

Unittest for smart_brain

February 9, 2023

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1 Test System Information

System Information	
Architecture	64bit
Machine	x86_64
Hostname	ahorn
Distribution	Linux Mint 21.1 (vera)
System	Linux
Kernel	5.15.0-60-generic (#66-Ubuntu SMP Fri Jan 20 14:29:49 UTC 2023)
Username	dirk
Path	/home/dirk/my_repositories/smarthome/smart_brain_test

2 Test Object Information

Test object Information	
Test Object Name	smart_brain
Test Object Vesion	1.0.1
GIT repository	https://git.mount-mockery.de/smarthome/smart_brain.git
GIT reference	0b74ff04c9f3cb8c2608c2bcc2ba7759195ea5f8

3 Summary

Number of tests	67
Number of successfull tests	67
Number of possibly failed tests	0
Number of failed tests	0

Executionlevel	Full Test (all defined tests)
Time consumption	84.730s

4 Testcases (Success)

4.1 Power On/Off test for device and virtual device: zigbee/ffe/diningroom/powerplug_floorlamp

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time:	2023-02-09 15:56:54,326
Finished-Time:	2023-02-09 15:56:55,536
Time-Consumption	1.210s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload on

Received message with topic __info__ and payload b'null'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'on'

Received message with topic __info__ and payload b'{"app_name": "smart_brain",
 ↪ "version": {"readable": "1.0.1", "major": 1, "minor": 0, "patch": 1}, "git":
 ↪ {"url": "https://git.mount-mockery.de/smarthome/smart_brain.git", "ref":
 ↪ "0b74ff04c9f3cb8c2608c2bcc2ba7759195ea5f8"}'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/diningroom/floorlamp/state and payload false

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload off

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'off'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload on

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'on'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/diningroom/floorlamp/state and payload false

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload off

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'off'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.2 Power On/Off test for device and virtual device: shellies/ffe/diningroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:56:55,537
 Finished-Time: 2023-02-09 15:56:56,745
 Time-Consumption 1.209s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

```

Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload on
Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
↳ b'on'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload on
Received message with topic videv/ffe/diningroom/main_light/state and payload b'true'
Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload b'on'
Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'true'
Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```

Result (Virtual device state): True (<class 'bool'>)
Expectation (Virtual device state): result = True (<class 'bool'>)

```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```

Result (Switching device state): True (<class 'bool'>)
Expectation (Switching device state): result = True (<class 'bool'>)

```

Info Changing virtual device state to 'False'

```

Sending message with topic videv/ffe/diningroom/main_light/state and payload false
Received message with topic videv/ffe/diningroom/main_light/state and payload b'false'
Received message with topic shellies/ffe/diningroom/main_light/relay/0/command and
↳ payload b'off'
Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload off
Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
↳ b'off'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload off
Received message with topic videv/ffe/diningroom/main_light/state and payload b'false'
Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload b'off'

```

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload on

Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload on

Received message with topic videv/ffe/diningroom/main_light/state and payload b'true'

Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'on'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/diningroom/main_light/state and payload false

```

Received message with topic videv/ffe/diningroom/main_light/state and payload b'false'
Received message with topic shellies/ffe/diningroom/main_light/relay/0/command and
↳ payload b'off'
Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload off
Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
↳ b'off'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload off
Received message with topic videv/ffe/diningroom/main_light/state and payload b'false'
Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
↳ payload b'off'
Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'
Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

4.3 Power On/Off synchronisation test: shellies/ffe/diningroom/main_light

Testsummary

This test was passed with the state: **Success**.

```

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (24)
Start-Time: 2023-02-09 15:56:56,746
Finished-Time: 2023-02-09 15:56:57,652
Time-Consumption 0.906s

```

Testresults:

```

Info Setting preconditions for master device 'False'
Info Changing master device state to 'True'
Success Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state is correct (Content True
and Type is <class 'bool'>).
Info Changing master device state to 'False'
Success Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state is correct (Content False
and Type is <class 'bool'>).

```

Testdetails

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload on

Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload on

Received message with topic videv/ffe/diningroom/main_light/state and payload b'true'

Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'on'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/diningroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state): True
 ↪ (<class 'bool'>)

Expectation (Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state):
 ↪ result = True (<class 'bool'>)

Info Changing master device state to 'False'

Sending message with topic shellies/ffe/diningroom/main_light/relay/0 and payload off

Received message with topic shellies/ffe/diningroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload off

Received message with topic videv/ffe/diningroom/main_light/state and payload b'false'

Received message with topic videv/ffe/diningroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp/state and
 ↪ payload b'off'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'false'

```
Received message with topic videv/ffe/diningroom/floorlamp/___info___ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state): False
↳ (<class 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/diningroom/powerplug_floorlamp) state):
↳ result = False (<class 'bool'>)
```

4.4 Power On/Off test for device and virtual device: shellies/ffe/floor/main_light

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time: 2023-02-09 15:56:57,652
Finished-Time: 2023-02-09 15:56:58,862
Time-Consumption 1.210s
```

Testresults:

```
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
```

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/ffe/floor/main_light/relay/0 and payload on
```

```
Received message with topic shellies/ffe/floor/main_light/relay/0 and payload b'on'
```

```
Received message with topic videv/ffe/floor/main_light/state and payload b'true'
```

Received message with topic videv/ffe/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/floor/main_light/state and payload false

Received message with topic videv/ffe/floor/main_light/state and payload b'false'

Received message with topic shellies/ffe/floor/main_light/relay/0/command and payload
 ↪ b'off'

Sending message with topic shellies/ffe/floor/main_light/relay/0 and payload off

Received message with topic shellies/ffe/floor/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/floor/main_light/state and payload b'false'

Received message with topic videv/ffe/floor/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/floor/main_light/relay/0 and payload on

Received message with topic shellies/ffe/floor/main_light/relay/0 and payload b'on'

Received message with topic videv/ffe/floor/main_light/state and payload b'true'

Received message with topic videv/ffe/floor/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/floor/main_light/state and payload false

Received message with topic videv/ffe/floor/main_light/state and payload b'false'

Received message with topic shellies/ffe/floor/main_light/relay/0/command and payload
 ↪ b'off'

Sending message with topic shellies/ffe/floor/main_light/relay/0 and payload off

Received message with topic shellies/ffe/floor/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/floor/main_light/state and payload b'false'

Received message with topic videv/ffe/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.5 Power On/Off test for device and virtual device: shellies/ffe/kitchen/circulation_pump

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:56:58,863
 Finished-Time: 2023-02-09 15:57:00,073
 Time-Consumption 1.211s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
↪ on

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
↪ b'on'

Received message with topic videv/ffe/kitchen/circulation_pump/timer and payload
↪ b'600'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display": true}, "timer": {"display": true}}'

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and
↪ payload b'toggle'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload on

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
↪ b'true'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display": true}, "timer": {"display": true}}'

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'on'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'true'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/kitchen/circulation_pump/state and payload false

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
↪ b'false'

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ off

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload off

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ b'off'

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/kitchen/circulation_pump/timer and payload b'0'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
 ↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}}'

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
 ↪ b'false'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
 ↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}}'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ on

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ b'on'

Received message with topic videv/ffe/kitchen/circulation_pump/timer and payload
 ↪ b'600'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
 ↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}}'

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'toggle'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload on

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
 ↪ b'true'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
 ↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}}'

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'on'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'true'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/kitchen/circulation_pump/state and payload false

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
 ↪ b'false'

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ off

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload off

Received message with topic shellies/ffe/kitchen/circulation_pump/relay/0 and payload
 ↪ b'off'

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/kitchen/circulation_pump/timer and payload b'0'

Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
 ↪ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}}'

Received message with topic videv/ffe/kitchen/circulation_pump/state and payload
 ↪ b'false'

```
Received message with topic videv/ffe/kitchen/circulation_pump/__info__ and payload
↳ b'{"__type__": "videv_switching_timer", "state": {"control": true, "display":
↳ true}, "timer": {"display": true}}'
```

```
Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'
```

```
Received message with topic videv/ffe/kitchen/main_light/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

4.6 Power On/Off test for device and virtual device: shellies/ffe/kitchen/main_light

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time: 2023-02-09 15:57:00,074
Finished-Time: 2023-02-09 15:57:01,284
Time-Consumption 1.210s
```

Testresults:

```
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
```

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload on
```

```
Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'on'
```

Received message with topic videv/ffe/kitchen/main_light/state and payload b'true'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/kitchen/main_light/state and payload false

Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and

↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload off

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload on

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'on'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'true'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/kitchen/main_light/state and payload false

Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'

Received message with topic shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffe/kitchen/main_light/relay/0 and payload off

Received message with topic shellies/ffe/kitchen/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/kitchen/main_light/state and payload b'false'

Received message with topic videv/ffe/kitchen/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.7 Brightness test for device and virtual device: zigbee/ffe/livingroom/floorlamp_1

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
 Start-Time: 2023-02-09 15:57:01,284
 Finished-Time: 2023-02-09 15:57:03,099
 Time-Consumption 1.815s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/livingroom/floorlamp/brightness and payload 50

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/livingroom/floorlamp/brightness and payload 50

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128.0}'

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
↳ b'50.0'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Light device brightness): 50 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 50 (<class 'int'>)
```

Info Resetting precondition (Power off)

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

4.8 Color temperature test for device and virtual device: zigbee/ffe/livingroom/floorlamp_1

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
Start-Time: 2023-02-09 15:57:03,100
Finished-Time: 2023-02-09 15:57:04,915
Time-Consumption 1.815s
```

Testresults:

```
Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
↪ b'8.0'
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```

Sending message with topic videv/ffe/livingroom/floorlamp/color_temp and payload 5
Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'5'
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↪ b'{"color_temp": 352.0}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↪ b'{"color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↪ b'{"color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↪ b'{"color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↪ b'{"color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↪ b'{"color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
↪ b'5.0'
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```

Result (Light device brightness): 5 (<class 'int'>)
Expectation (Light device brightness): result = 5 (<class 'int'>)

```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

```

Info Changing light device color temperature to '5'

```

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

```

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
 ↪ b'8.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffe/livingroom/floorlamp/color_temp and payload 5

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'5'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.9 Power On/Off test for device and virtual device: zigbee/ffe/livingroom/floorlamp_1

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:57:04,915
 Finished-Time: 2023-02-09 15:57:06,127
 Time-Consumption 1.211s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/livingroom/floorlamp/state and payload false

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/livingroom/floorlamp/state and payload false

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "off"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.10 Brightness test for device and virtual device: zigbee/ffe/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
Start-Time:	2023-02-09 15:57:06,127
Finished-Time:	2023-02-09 15:57:07,940
Time-Consumption	1.813s

Testresults:

Info	Setting preconditions (Power on)
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Resetting precondition (Power off)

Testdetails**Info** Setting preconditions (Power on)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/livingroom/main_light/brightness and payload 50

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffe/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/livingroom/main_light/brightness and payload 50

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffe/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "off"}'

```

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "off"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

4.11 Color temperature test for device and virtual device: zigbee/ffe/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
 Start-Time: 2023-02-09 15:57:07,941
 Finished-Time: 2023-02-09 15:57:09,755
 Time-Consumption 1.813s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "on"}'

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↪ b'{"state": "on"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↪ b'{"state": "on"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```
Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
↳ b'8.0'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```
Sending message with topic videv/ffe/livingroom/main_light/color_temp and payload 5
```

```
Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
↳ b'5'
```

```
Received message with topic zigbee/ffe/livingroom/main_light/set and payload
↳ b'{"color_temp": 352.0}'
```

```
Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
↳ b'5.0'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```
Result (Light device brightness): 5 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 5 (<class 'int'>)
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
 ↪ b'8.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffe/livingroom/main_light/color_temp and payload 5

Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
 ↪ b'5'

Received message with topic zigbee/ffe/livingroom/main_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

4.12 Power On/Off test for device and virtual device: shellies/ffe/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time:	2023-02-09 15:57:09,755
Finished-Time:	2023-02-09 15:57:10,967
Time-Consumption	1.212s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on
```

```
Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↪ b'on'
```

```

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

```
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
```

```
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/ffe/livingroom/main_light/state and payload false
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0/command and
↳ payload b'off'
```

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↳ b'off'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on
```

```
Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↳ b'on'
```

```

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "on"}'
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

```
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
```

```
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/ffe/livingroom/main_light/state and payload false
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0/command and
↳ payload b'off'
```

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↳ b'off'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

4.13 Brightness synchronisation test: videv/ffe/livingroom/floorlamp

Testsummary

This test was passed with the state: **Success**.

```

Caller:           /home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (42)
Start-Time:      2023-02-09 15:57:10,968
Finished-Time:   2023-02-09 15:57:12,180
Time-Consumption 1.213s

```

Testresults:

```

Info           Setting preconditions for master device 'True' (Power on)
Info           Changing master device brightness to '35'

```

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness is correct (Content 35 and Type is <class 'int'>).

Info Changing master device brightness to '50'

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness is correct (Content 50 and Type is <class 'int'>).

Info Resetting preconditions for master device 'False' (Power off)

Testdetails

Info Setting preconditions for master device 'True' (Power on)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Info Changing master device brightness to '35'

Sending message with topic videv/ffe/livingroom/floorlamp/brightness and payload 35

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'35'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 90.0}'

```

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"brightness": 90.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"brightness": 90.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"brightness": 90.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"brightness": 90.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"brightness": 90.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
↳ b'35.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness is correct (Content 35 and Type is <class 'int'>).

```

Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness): 35 (<class
↳ 'int'>)

```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness): result  
↪ = 35 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness): 35 (<class  
↪ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness): result  
↪ = 35 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness): 35 (<class  
↪ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness): result  
↪ = 35 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness): 35 (<class  
↪ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness): result  
↪ = 35 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness): 35 (<class  
↪ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness): result  
↪ = 35 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness): 35 (<class  
↪ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness): result  
↪ = 35 (<class 'int'>)
```

Info Changing master device brightness to '50'

```
Sending message with topic videv/ffe/livingroom/floorlamp/brightness and payload 50
```

```
Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload  
↪ b'50'
```

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) brightness): result
↳ = 50 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) brightness): result
↳ = 50 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) brightness): result
↳ = 50 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) brightness): result
↳ = 50 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) brightness): result
↳ = 50 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) brightness): result
↳ = 50 (<class 'int'>)
```

Info Resetting preconditions for master device 'False' (Power off)

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↳ b'off'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

4.14 Color temperature synchronisation test: videv/ffe/livingroom/floorlamp

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (67)
Start-Time:	2023-02-09 15:57:12,181
Finished-Time:	2023-02-09 15:57:13,393
Time-Consumption	1.212s

Testresults:

Info	Setting preconditions for master device 'True' (Power on)
Info	Changing master device color temperature to '2'
Success	Follower device (zigbee/ffe/livingroom/floorlamp.1) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.2) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.3) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.4) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.5) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.6) color temperature is correct (Content 2 and Type is <class 'int'>).
Info	Changing master device color temperature to '5'
Success	Follower device (zigbee/ffe/livingroom/floorlamp.1) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.2) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.3) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.4) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.5) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp.6) color temperature is correct (Content 5 and Type is <class 'int'>).
Info	Resetting preconditions for master device 'False' (Power off)

Testdetails

Info Setting preconditions for master device 'True' (Power on)

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Info Changing master device color temperature to '2'

Sending message with topic videv/ffe/livingroom/floorlamp/color_temp and payload 2

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'2'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
↳ b'2.0'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature is correct (Content 2 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature): 2
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature):
↳ result = 2 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature is correct (Content 2 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature): 2
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature):
↳ result = 2 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature is correct (Content 2 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature): 2
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature):
↳ result = 2 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature is correct (Content 2 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature): 2
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature):
↳ result = 2 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature is correct (Content 2 and Type is <class 'int'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature): 2
 ↪ (<class 'int'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature):
 ↪ result = 2 (<class 'int'>)

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature is correct (Content 2 and Type is <class 'int'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature): 2
 ↪ (<class 'int'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature):
 ↪ result = 2 (<class 'int'>)

Info Changing master device color temperature to '5'

Sending message with topic videv/ffe/livingroom/floorlamp/color_temp and payload 5

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'5'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload
↳ b'5.0'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) color temperature):
↳ result = 5 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) color temperature):
↳ result = 5 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) color temperature):
↳ result = 5 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) color temperature):
↳ result = 5 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) color temperature):
↳ result = 5 (<class 'int'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature): 5
↳ (<class 'int'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) color temperature):
↳ result = 5 (<class 'int'>)
```

Info Resetting preconditions for master device 'False' (Power off)

```
Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off
```

```
Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
↳ b'off'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "off"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "off"}'
```

```

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

4.15 Power On/Off synchronisation test: shellies/ffe/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (24)
Start-Time:	2023-02-09 15:57:13,393
Finished-Time:	2023-02-09 15:57:14,303
Time-Consumption	0.909s

Testresults:

Info	Setting preconditions for master device 'False'
Info	Changing master device state to 'True'
Success	Follower device (zigbee/ffe/livingroom/floorlamp_1) state is correct (Content True and Type is <class 'bool'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp_2) state is correct (Content True and Type is <class 'bool'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp_3) state is correct (Content True and Type is <class 'bool'>).
Success	Follower device (zigbee/ffe/livingroom/floorlamp_4) state is correct (Content True and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) state is correct (Content True and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) state is correct (Content True and Type is <class 'bool'>).

Info Changing master device state to 'False'

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) state is correct (Content False and Type is <class 'bool'>).

Testdetails

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffe/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "on"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"state": "on"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"state": "on"}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic videv/ffe/livingroom/main_light/state and payload b'true'
```

```
Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'true'
```

```
Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) state is correct (Content True and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) state): True (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) state): result =
↳ True (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) state is correct (Content True and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) state): True (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) state): result =
↳ True (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) state): True (<class 'bool'>)
 ↪ 'bool'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) state): result =
 ↪ True (<class 'bool'>)

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) state): True (<class 'bool'>)
 ↪ 'bool'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) state): result =
 ↪ True (<class 'bool'>)

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) state): True (<class 'bool'>)
 ↪ 'bool'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) state): result =
 ↪ True (<class 'bool'>)

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) state): True (<class 'bool'>)
 ↪ 'bool'>)

Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) state): result =
 ↪ True (<class 'bool'>)

Info Changing master device state to 'False'

Sending message with topic shellies/ffe/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffe/livingroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"state": "off"}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffe/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "off", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

Received message with topic videv/ffe/livingroom/floorlamp/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Follower device (zigbee/ffe/livingroom/floorlamp_1) state is correct (Content False and Type is <class 'bool'>).

Result (Follower device (zigbee/ffe/livingroom/floorlamp_1) state): False (<class
 ↪ 'bool'>)

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_1) state): result =
↳ False (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_2) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_2) state): False (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_2) state): result =
↳ False (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_3) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_3) state): False (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_3) state): result =
↳ False (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_4) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_4) state): False (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_4) state): result =
↳ False (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_5) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_5) state): False (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_5) state): result =
↳ False (<class 'bool'>)
```

Success Follower device (zigbee/ffe/livingroom/floorlamp_6) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/ffe/livingroom/floorlamp_6) state): False (<class
↳ 'bool'>)
```

```
Expectation (Follower device (zigbee/ffe/livingroom/floorlamp_6) state): result =
↳ False (<class 'bool'>)
```

4.16 Brightness test for device and virtual device: zigbee/ffe/sleep/bed_light_di

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
 Start-Time: 2023-02-09 15:57:14,303
 Finished-Time: 2023-02-09 15:57:16,119
 Time-Consumption 1.816s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
 ↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
 ↪ "on", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'true'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
 ↪ "brightness": 165.0, "__type__": "tradfri_light"}

```
Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 165.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload
↪ b'65.0'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'
```

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

```
Result (Virtual device brightness): 65 (<class 'int'>)
```

```
Expectation (Virtual device brightness): result = 65 (<class 'int'>)
```

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

```
Result (Light device brightness): 65 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 65 (<class 'int'>)
```

Info Changing virtual device brightness to '50'

```
Sending message with topic videv/ffe/sleep/bed_light_di/brightness and payload 50
```

```
Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'50'
```

```
Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload
↪ b'{"brightness": 128.0}'
```

```
Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 127.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload
↪ b'50.0'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Light device brightness): 50 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 50 (<class 'int'>)
```

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Virtual device brightness): 50 (<class 'int'>)
```

```
Expectation (Virtual device brightness): result = 50 (<class 'int'>)
```

Info Changing light device brightness to '65'

```
Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 165.0, "__type__": "tradfri_light"}
```

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
 ↪ "on", "brightness": 165.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/sleep/bed_light_di/brightness and payload 50

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'50'

Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload

↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",

↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":

↪ "on", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload

↪ b'50.0'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":

↪ true}, "brightness": {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "off",

↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":

↪ "off", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":

↪ true}, "brightness": {"control": true, "display": true}}'

4.17 Power On/Off test for device and virtual device: zigbee/ffe/sleep/bed_light_di

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time:	2023-02-09 15:57:16,120
Finished-Time:	2023-02-09 15:57:17,332
Time-Consumption	1.212s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'true'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/bed_light_di/state and payload false

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload b'{"state":
↪ "off"}'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "off",
↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "off", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'true'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/bed_light_di/state and payload false

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload b'{"state":
↪ "off"}'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "off",
↪ "brightness": 127.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "off", "brightness": 127.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

Received message with topic videv/ffe/sleep/bed_light_di/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.18 Power On/Off test for device and virtual device: zigbee/ffe/sleep/bed_light_ma

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:57:17,333
 Finished-Time: 2023-02-09 15:57:18,542
 Time-Consumption 1.210s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/sleep/bed_light_ma/state and payload on

Received message with topic zigbee/ffe/sleep/bed_light_ma/state and payload b'on'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'true'

Received message with topic videv/ffe/sleep/bed_light_ma/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/bed_light_ma/state and payload false

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

Received message with topic zigbee/ffe/sleep/bed_light_ma/set and payload b'{"state":
 ↪ "off"}'

Sending message with topic zigbee/ffe/sleep/bed_light_ma/state and payload off

Received message with topic zigbee/ffe/sleep/bed_light_ma/state and payload b'off'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

Received message with topic videv/ffe/sleep/bed_light_ma/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic zigbee/ffe/sleep/bed_light_ma/state and payload on

Received message with topic zigbee/ffe/sleep/bed_light_ma/state and payload b'on'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'true'

Received message with topic videv/ffe/sleep/bed_light_ma/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/bed_light_ma/state and payload false

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

Received message with topic zigbee/ffe/sleep/bed_light_ma/set and payload b'{"state":
↪ "off"}'

Sending message with topic zigbee/ffe/sleep/bed_light_ma/state and payload off

Received message with topic zigbee/ffe/sleep/bed_light_ma/state and payload b'off'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

Received message with topic videv/ffe/sleep/bed_light_ma/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.19 Away mode test: zigbee/ffe/sleep/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (101)
 Start-Time: 2023-02-09 15:57:18,543
 Finished-Time: 2023-02-09 15:57:19,452
 Time-Consumption 0.909s

Testresults:

Info Setting preconditions (Default setpoint)
Success Away mode is correct (Content False and Type is <class 'bool'>).
Info Activating away mode
Success Away mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 16.5 and Type is <class 'float'>).
Info Deactivating away mode
Success Away mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload b'true'

Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 21.5}'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content False and Type is <class 'bool'>).

```
Result (Away mode): False (<class 'bool'>)
```

```
Expectation (Away mode): result = False (<class 'bool'>)
```

Info Activating away mode

```
Sending message with topic videv/ffe/sleep/heating_valve/away_mode and payload true
```

```
Received message with topic videv/ffe/sleep/heating_valve/away_mode and payload
↳ b'true'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 16.5}'
```

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'16.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/away_mode and payload
↳ b'true'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content True and Type is <class 'bool'>).

```
Result (Away mode): True (<class 'bool'>)
```

```
Expectation (Away mode): result = True (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 16.5 and Type is <class 'float'>).

```
Result (Temperature setpoint): 16.5 (<class 'float'>)
```

```
Expectation (Temperature setpoint): result = 16.5 (<class 'float'>)
```

Info Deactivating away mode

```
Sending message with topic videv/ffe/sleep/heating_valve/away_mode and payload false
```

```
Received message with topic videv/ffe/sleep/heating_valve/away_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 21.5}'
```

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/away_mode and payload
↳ b'false'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content False and Type is <class 'bool'>).

```
Result (Away mode): False (<class 'bool'>)
```

```
Expectation (Away mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Temperature setpoint): 21.5 (<class 'float'>)
```

```
Expectation (Temperature setpoint): result = 21.5 (<class 'float'>)
```

4.20 Boost mode test: zigbee/ffe/sleep/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (128)
Start-Time: 2023-02-09 15:57:19,452
Finished-Time: 2023-02-09 15:57:20,360
Time-Consumption 0.908s
```

Testresults:

```
Info Setting preconditions (Default setpoint)
Success Boost timer is correct (Content 0 and Type is <class 'int'>).
Info Activating boost mode
Success Boost timer is greater expectation (Content 900 and Type is <class 'int'>).
Info Setting postconditions (Default setpoint)
Success Boost timer is correct (Content 0 and Type is <class 'int'>).
```

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload b'true'

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

Info Activating boost mode

Sending message with topic videv/ffe/sleep/heating_valve/start_boost and payload true

Received message with topic videv/ffe/sleep/heating_valve/start_boost and payload
 ↪ b'true'

Received message with topic videv/ffe/sleep/heating_valve/boost_timer and payload
 ↪ b'900'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 30}'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ {"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
 ↪ b'20.7'

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Boost timer is greater expectation (Content 900 and Type is <class 'int'>).

```
Result (Boost timer): 900 (<class 'int'>)
```

```
Expectation (Boost timer): result > 0 (<class 'int'>)
```

Info Setting postconditions (Default setpoint)

```
Sending message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
↳ payload b'true'
```

```
Received message with topic videv/ffe/sleep/heating_valve/boost_timer and payload b'0'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 21.5}'
```

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

4.21 Default temperature test for device and virtual device: zigbee/ffe/sleep/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (50)
Start-Time:	2023-02-09 15:57:20,361
Finished-Time:	2023-02-09 15:57:20,966
Time-Consumption	0.606s

Testresults:

Info	Setting preconditions (Valve setpoint to 16.5)
Success	Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).
Info	Triggering set to default temperature (21.5)
Success	Valve temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

Testdetails

Info Setting preconditions (Valve setpoint to 16.5)

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 16.5}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'16.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload b'16.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).

```
Result (Valve temperature setpoint (is not default temperature)): True (<class
↳ 'bool'>)
```

```
Expectation (Valve temperature setpoint (is not default temperature)): result = True
↳ (<class 'bool'>)
```

Info Triggering set to default temperature (21.5)

```
Sending message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
↳ payload b'true'
```

```
Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 21.5}'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 and payload b'21.5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

Result (Valve temperature setpoint): 21.5 (<class 'float'>)

Expectation (Valve temperature setpoint): result = 21.5 (<class 'float'>)

4.22 Summer mode test: zigbee/ffe/sleep/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (74)
Start-Time:	2023-02-09 15:57:20,967
Finished-Time:	2023-02-09 15:57:21,876
Time-Consumption	0.909s

Testresults:

Info	Setting preconditions (Default setpoint)
Success	Summer mode is correct (Content False and Type is <class 'bool'>).
Info	Activating summer mode

Success Summer mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).
Info Deactivating summer mode
Success Summer mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/ffe/sleep/heating_valve/set_default_temperature and
 ↪ payload b'true'

Success Summer mode is correct (Content False and Type is <class 'bool'>).

Result (Summer mode): False (<class 'bool'>)

Expectation (Summer mode): result = False (<class 'bool'>)

Info Activating summer mode

Sending message with topic videv/ffe/sleep/heating_valve/summer_mode and payload true

Received message with topic videv/ffe/sleep/heating_valve/summer_mode and payload
 ↪ b'true'

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 5}'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ {"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/ffe/sleep/heating_valve/summer_mode and payload
 ↪ b'true'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content True and Type is <class 'bool'>).

```
Result (Summer mode): True (<class 'bool'>)
```

```
Expectation (Summer mode): result = True (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).

```
Result (Temperature setpoint): 5 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 5 (<class 'int'>)
```

Info Deactivating summer mode

```
Sending message with topic videv/ffe/sleep/heating_valve/summer_mode and payload false
```

```
Received message with topic videv/ffe/sleep/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 21.5}'
```

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

```
Result (Summer mode): False (<class 'bool'>)
```

```
Expectation (Summer mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Temperature setpoint): 21.5 (<class 'float'>)
```

```
Expectation (Temperature setpoint): result = 21.5 (<class 'float'>)
```

4.23 User temperature setpoint test for device and virtual device: zigbee/ffe/sleep/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (22)
```

```
Start-Time: 2023-02-09 15:57:21,877
```

```
Finished-Time: 2023-02-09 15:57:23,087
```

```
Time-Consumption 1.211s
```

Testresults:

Info Changing valve temperature setpoint to '16.5'

Success Virtual device valve temperature is correct (Content 16.5 and Type is <class 'float'>).

Success Virtual device user temperature is correct (Content 16.5 and Type is <class 'float'>).

Info Changing videv user temperature setpoint to '21.5'

Success Valve device temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).
Success Virtual device valve temperature is correct (Content 21.5 and Type is <class 'float'>).
Info Changing valve temperature setpoint to '16.5'
Success Virtual device valve temperature is correct (Content 16.5 and Type is <class 'float'>).
Success Virtual device user temperature is correct (Content 16.5 and Type is <class 'float'>).
Info Changing videv user temperature setpoint to '21.5'
Success Valve device temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).
Success Virtual device valve temperature is correct (Content 21.5 and Type is <class 'float'>).

Testdetails

Info Changing valve temperature setpoint to '16.5'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload

```
↪ {"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":  
↪ "brennenstuhl_heating_valve"}
```

Received message with topic zigbee/ffe/sleep/heating_valve and payload

```
↪ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":  
↪ "brennenstuhl_heating_valve"}'
```

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload

```
↪ b'{"current_heating_setpoint": 16.5}'
```

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint

```
↪ and payload b'16.5'
```

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,  
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":  
↪ {"control": true, "display": true}, "start_boost": {"control": true},  
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":  
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":  
↪ true}}'
```

Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint

```
↪ and payload b'16.5'
```

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,  
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":  
↪ {"control": true, "display": true}, "start_boost": {"control": true},  
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":  
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":  
↪ true}}'
```

Received message with topic videv/ffe/sleep/heating_valve/temperature and payload

```
↪ b'20.7'
```

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,  
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":  
↪ {"control": true, "display": true}, "start_boost": {"control": true},  
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":  
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":  
↪ true}}'
```

Success Virtual device valve temperature is correct (Content 16.5 and Type is <class 'float'>).

Result (Virtual device valve temperature): 16.5 (<class 'float'>)

Expectation (Virtual device valve temperature): result = 16.5 (<class 'float'>)

Success Virtual device user temperature is correct (Content 16.5 and Type is <class 'float'>).

Result (Virtual device user temperature): 16.5 (<class 'float'>)

Expectation (Virtual device user temperature): result = 16.5 (<class 'float'>)

Info Changing videv user temperature setpoint to '21.5'

Sending message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
 ↪ and payload 21.5

Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 21.5}'

Sending message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
 ↪ b'20.7'

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve device temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Valve device temperature setpoint): 21.5 (<class 'float'>)
```

```
Expectation (Valve device temperature setpoint): result = 21.5 (<class 'float'>)
```

Success Virtual device valve temperature is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Virtual device valve temperature): 21.5 (<class 'float'>)
```

```
Expectation (Virtual device valve temperature): result = 21.5 (<class 'float'>)
```

Info Changing valve temperature setpoint to '16.5'

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 16.5}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'16.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload b'16.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Virtual device valve temperature is correct (Content 16.5 and Type is <class 'float'>).

```
Result (Virtual device valve temperature): 16.5 (<class 'float'>)
Expectation (Virtual device valve temperature): result = 16.5 (<class 'float'>)
```

Success Virtual device user temperature is correct (Content 16.5 and Type is <class 'float'>).

```
Result (Virtual device user temperature): 16.5 (<class 'float'>)
Expectation (Virtual device user temperature): result = 16.5 (<class 'float'>)
```

Info Changing videv user temperature setpoint to '21.5'

```
Sending message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload 21.5
```

```
Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 21.5}'
```

```
Sending message with topic zigbee/ffe/sleep/heating_valve and payload
↳ {"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/user_temperature_setpoint
↳ and payload b'21.5'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffe/sleep/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffe/sleep/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve device temperature setpoint is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Valve device temperature setpoint): 21.5 (<class 'float'>)
```

```
Expectation (Valve device temperature setpoint): result = 21.5 (<class 'float'>)
```

Success Virtual device valve temperature is correct (Content 21.5 and Type is <class 'float'>).

```
Result (Virtual device valve temperature): 21.5 (<class 'float'>)
```

```
Expectation (Virtual device valve temperature): result = 21.5 (<class 'float'>)
```

4.24 Brightness test for device and virtual device: zigbee/ffe/sleep/main_light

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
Start-Time: 2023-02-09 15:57:23,088
Finished-Time: 2023-02-09 15:57:24,906
Time-Consumption 1.818s
```

Testresults:

```
Info Setting preconditions (Power on)
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)
```

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/state and payload b'true'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'50.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'5.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'65.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/sleep/main_light/brightness and payload 50

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'50'

Received message with topic zigbee/ffe/sleep/main_light/set and payload

↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'50.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'65.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffe/sleep/main_light/brightness and payload 50

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'50'

Received message with topic zigbee/ffe/sleep/main_light/set and payload

↔ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",

↔ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",

↔ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'50.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↔ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↔ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↔ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↔ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↔ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↔ {"control": true, "display": true}}'

4.25 Color temperature test for device and virtual device: zigbee/ffe/sleep/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
 Start-Time: 2023-02-09 15:57:24,906
 Finished-Time: 2023-02-09 15:57:26,721
 Time-Consumption 1.815s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload on
Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'on'
Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffe/sleep/main_light/state and payload b'true'
Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

```

Info Changing light device color temperature to '5'

```

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

```

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'8.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffe/sleep/main_light/color_temp and payload 5

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'5'

Received message with topic zigbee/ffe/sleep/main_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'5.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Virtual device color temperature): 5 (<class 'int'>)

Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

Info Changing light device color temperature to '5'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'8.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffe/sleep/main_light/color_temp and payload 5

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'5'

Received message with topic zigbee/ffe/sleep/main_light/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'5.0'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.26 Power On/Off test for device and virtual device: shellies/ffe/sleep/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time:	2023-02-09 15:57:26,722
Finished-Time:	2023-02-09 15:57:27,934
Time-Consumption	1.212s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload on
```

```
Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'on'
```

```
Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffe/sleep/main_light/state and payload b'true'
```

```
Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/main_light/state and payload false

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic shellies/ffe/sleep/main_light/relay/0/command and payload
↪ b'off'

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload on

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffe/sleep/main_light/state and payload b'true'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffe/sleep/main_light/state and payload false

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic shellies/ffe/sleep/main_light/relay/0/command and payload
 ↪ b'off'

Sending message with topic shellies/ffe/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffe/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffe/sleep/main_light/state and payload b'false'

Received message with topic videv/ffe/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.27 Away mode test: zigbee/ffw/bath/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (101)
 Start-Time: 2023-02-09 15:57:27,935
 Finished-Time: 2023-02-09 15:57:28,844
 Time-Consumption 0.909s

Testresults:

Info Setting preconditions (Default setpoint)

Success Away mode is correct (Content False and Type is <class 'bool'>).

Info Activating away mode

Success Away mode is correct (Content True and Type is <class 'bool'>).

Success Temperature setpoint is correct (Content 18 and Type is <class 'int'>).
Info Deactivating away mode
Success Away mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/ffw/bath/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/ffw/bath/heating_valve/set_default_temperature and
 ↪ payload b'true'

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Away mode is correct (Content False and Type is <class 'bool'>).

Result (Away mode): False (<class 'bool'>)

Expectation (Away mode): result = False (<class 'bool'>)

Info Activating away mode

Sending message with topic videv/ffw/bath/heating_valve/away_mode and payload true

Received message with topic videv/ffw/bath/heating_valve/away_mode and payload b'true'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload

↳ b'{"current_heating_setpoint": 18}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload

↳ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint

↳ and payload b'18'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'

Received message with topic videv/ffw/bath/heating_valve/away_mode and payload b'true'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload

↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/temperature and payload

↳ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'

Success Away mode is correct (Content True and Type is <class 'bool'>).

Result (Away mode): True (<class 'bool'>)

Expectation (Away mode): result = True (<class 'bool'>)

Success Temperature setpoint is correct (Content 18 and Type is <class 'int'>).

Result (Temperature setpoint): 18 (<class 'int'>)

Expectation (Temperature setpoint): result = 18 (<class 'int'>)

Info Deactivating away mode

Sending message with topic videv/ffw/bath/heating_valve/away_mode and payload false

Received message with topic videv/ffw/bath/heating_valve/away_mode and payload

↪ b'false'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload

↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload

↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint

↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'

Received message with topic videv/ffw/bath/heating_valve/away_mode and payload

↪ b'false'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload

↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/temperature and payload

↪ b'20.7'

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content False and Type is <class 'bool'>).

Result (Away mode): False (<class 'bool'>)

Expectation (Away mode): result = False (<class 'bool'>)

Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Temperature setpoint): 23 (<class 'int'>)

Expectation (Temperature setpoint): result = 23 (<class 'int'>)

4.28 Boost mode test: zigbee/ffw/bath/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (128)
Start-Time:	2023-02-09 15:57:28,845
Finished-Time:	2023-02-09 15:57:29,752
Time-Consumption	0.908s

Testresults:

Info	Setting preconditions (Default setpoint)
Success	Boost timer is correct (Content 0 and Type is <class 'int'>).
Info	Activating boost mode
Success	Boost timer is greater expectation (Content 900 and Type is <class 'int'>).
Info	Setting postconditions (Default setpoint)
Success	Boost timer is correct (Content 0 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Default setpoint)

```
Sending message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload b'true'
```

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

Info Activating boost mode

Sending message with topic videv/ffw/bath/heating_valve/start_boost and payload true

Received message with topic videv/ffw/bath/heating_valve/start_boost and payload
 ↪ b'true'

Received message with topic videv/ffw/bath/heating_valve/boost_timer and payload
 ↪ b'900'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 30}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Boost timer is greater expectation (Content 900 and Type is <class 'int'>).

Result (Boost timer): 900 (<class 'int'>)

Expectation (Boost timer): result > 0 (<class 'int'>)

Info Setting postconditions (Default setpoint)

Sending message with topic videv/ffw/bath/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/ffw/bath/heating_valve/set_default_temperature and
 ↪ payload b'true'

Received message with topic videv/ffw/bath/heating_valve/boost_timer and payload b'0'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

4.29 Default temperature test for device and virtual device: zigbee/ffw/bath/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (50)
Start-Time:	2023-02-09 15:57:29,753
Finished-Time:	2023-02-09 15:57:30,359
Time-Consumption	0.606s

Testresults:

Info	Setting preconditions (Valve setpoint to 18.0)
Success	Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).
Info	Triggering set to default temperature (23.0)
Success	Valve temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Valve setpoint to 18.0)

```

Sending message with topic zigbee/ffw/bath/heating_valve and payload
↳ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
    
```

```

Received message with topic zigbee/ffw/bath/heating_valve and payload
↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
    
```

```

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 18}'
    
```

```

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
↳ and payload b'18'
    
```

```

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
    
```

```

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
↳ and payload b'18'
    
```

```

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
    
```

```
Received message with topic videv/ffw/bath/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).

```
Result (Valve temperature setpoint (is not default temperature)): True (<class
↳ 'bool'>)
```

```
Expectation (Valve temperature setpoint (is not default temperature)): result = True
↳ (<class 'bool'>)
```

Info Triggering set to default temperature (23.0)

```
Sending message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload b'true'
```

```
Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffw/bath/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 23}'
```

```
Sending message with topic zigbee/ffw/bath/heating_valve and payload
↳ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/ffw/bath/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/ffw/bath/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve temperature setpoint is correct (Content 23 and Type is <class 'int'>).

```
Result (Valve temperature setpoint): 23 (<class 'int'>)
```

```
Expectation (Valve temperature setpoint): result = 23 (<class 'int'>)
```

4.30 Summer mode test: zigbee/ffw/bath/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (74)
Start-Time: 2023-02-09 15:57:30,359
Finished-Time: 2023-02-09 15:57:31,267
Time-Consumption 0.908s
```

Testresults:

```
Info Setting preconditions (Default setpoint)
Success Summer mode is correct (Content False and Type is <class 'bool'>).
Info Activating summer mode
Success Summer mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).
Info Deactivating summer mode
Success Summer mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).
```

Testdetails

```
Info Setting preconditions (Default setpoint)
```

```
Sending message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/ffw/bath/heating_valve/set_default_temperature and
↳ payload b'true'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

Result (Summer mode): False (<class 'bool'>)

Expectation (Summer mode): result = False (<class 'bool'>)

Info Activating summer mode

Sending message with topic videv/ffw/bath/heating_valve/summer_mode and payload true

Received message with topic videv/ffw/bath/heating_valve/summer_mode and payload
 ↳ b'true'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↳ b'{"current_heating_setpoint": 5}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↳ {"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
 ↳ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↳ and payload b'5'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Received message with topic videv/ffw/bath/heating_valve/summer_mode and payload
 ↳ b'true'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↳ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
 ↳ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↳ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Success Summer mode is correct (Content True and Type is <class 'bool'>).

Result (Summer mode): True (<class 'bool'>)

Expectation (Summer mode): result = True (<class 'bool'>)

Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).

Result (Temperature setpoint): 5 (<class 'int'>)

Expectation (Temperature setpoint): result = 5 (<class 'int'>)

Info Deactivating summer mode

Sending message with topic videv/ffw/bath/heating_valve/summer_mode and payload false

Received message with topic videv/ffw/bath/heating_valve/summer_mode and payload
 ↪ b'false'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/ffw/bath/heating_valve/summer_mode and payload
 ↪ b'false'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

```
Result (Summer mode): False (<class 'bool'>)
```

```
Expectation (Summer mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).

```
Result (Temperature setpoint): 23 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 23 (<class 'int'>)
```

4.31 User temperature setpoint test for device and virtual device: zigbee/ffw/bath/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (22)
Start-Time: 2023-02-09 15:57:31,268
Finished-Time: 2023-02-09 15:57:32,480
Time-Consumption 1.212s
```

Testresults:

```
Info Changing valve temperature setpoint to '18.0'
Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).
Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).
Info Changing videv user temperature setpoint to '23.0'
Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).
Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).
Info Changing valve temperature setpoint to '18.0'
Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).
Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).
Info Changing videv user temperature setpoint to '23.0'
Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).
Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).
```

Testdetails

```
Info Changing valve temperature setpoint to '18.0'
```

```
Sending message with topic zigbee/ffw/bath/heating_valve and payload
↳ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic zigbee/ffw/bath/heating_valve and payload
↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic zigbee/ffw/bath/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 18}'
```

```
Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
↳ and payload b'18'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
↳ and payload b'18'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/ffw/bath/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).

```
Result (Virtual device valve temperature): 18 (<class 'int'>)
```

```
Expectation (Virtual device valve temperature): result = 18 (<class 'int'>)
```

Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).

```
Result (Virtual device user temperature): 18 (<class 'int'>)
```

```
Expectation (Virtual device user temperature): result = 18 (<class 'int'>)
```

Info Changing videv user temperature setpoint to '23.0'

Sending message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint and
 ↪ payload 23

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Valve device temperature setpoint): 23 (<class 'int'>)

Expectation (Valve device temperature setpoint): result = 23 (<class 'int'>)

Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).

Result (Virtual device valve temperature): 23 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 23 (<class 'int'>)

Info Changing valve temperature setpoint to '18.0'

Sending message with topic zigbee/ffw/bath/heating_valve and payload

```
↪ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}
```

Received message with topic zigbee/ffw/bath/heating_valve and payload

```
↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}'
```

Received message with topic zigbee/ffw/bath/heating_valve/set and payload

```
↪ b'{"current_heating_setpoint": 18}'
```

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint

```
↪ and payload b'18'
```

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'
```

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint

```
↪ and payload b'18'
```

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'
```

Received message with topic videv/ffw/bath/heating_valve/temperature and payload

```
↪ b'20.7'
```

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload

```
↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'
```

Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device valve temperature): 18 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 18 (<class 'int'>)

Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device user temperature): 18 (<class 'int'>)

Expectation (Virtual device user temperature): result = 18 (<class 'int'>)

Info Changing videv user temperature setpoint to '23.0'

Sending message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint and
 ↪ payload 23

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/ffw/bath/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/ffw/bath/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Valve device temperature setpoint): 23 (<class 'int'>)

Expectation (Valve device temperature setpoint): result = 23 (<class 'int'>)

Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).

Result (Virtual device valve temperature): 23 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 23 (<class 'int'>)

4.32 Brightness test for device and virtual device: zigbee/ffw/julian/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
Start-Time:	2023-02-09 15:57:32,481
Finished-Time:	2023-02-09 15:57:34,297
Time-Consumption	1.817s

Testresults:

Info	Setting preconditions (Power on)
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/julian/main_light/state and payload b'true'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffw/julian/main_light/brightness and payload b'50.0'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5.0'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/julian/main_light/brightness and payload b'65.0'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

```

Sending message with topic videv/ffw/julian/main_light/brightness and payload 50
Received message with topic videv/ffw/julian/main_light/brightness and payload b'50'
Received message with topic zigbee/ffw/julian/main_light/set and payload
↳ b'{"brightness": 128.0}'
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffw/julian/main_light/brightness and payload b'50.0'
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

```

Result (Light device brightness): 50 (<class 'int'>)
Expectation (Light device brightness): result = 50 (<class 'int'>)

```

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

```

Result (Virtual device brightness): 50 (<class 'int'>)
Expectation (Virtual device brightness): result = 50 (<class 'int'>)

```

Info Changing light device brightness to '65'

```

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↳ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↳ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffw/julian/main_light/brightness and payload b'65.0'
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

```

Result (Virtual device brightness): 65 (<class 'int'>)
Expectation (Virtual device brightness): result = 65 (<class 'int'>)

```

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffw/julian/main_light/brightness and payload 50

Received message with topic videv/ffw/julian/main_light/brightness and payload b'50'

Received message with topic zigbee/ffw/julian/main_light/set and payload

↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/julian/main_light/brightness and payload b'50.0'

Received message with topic videv/ffw/julian/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload off

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'off'

Received message with topic videv/ffw/julian/main_light/state and payload b'false'

Received message with topic videv/ffw/julian/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

4.33 Color temperature test for device and virtual device: zigbee/ffw/julian/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)

Start-Time: 2023-02-09 15:57:34,298

Finished-Time: 2023-02-09 15:57:36,115
 Time-Consumption 1.817s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload on
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'on'
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffw/julian/main_light/state and payload b'true'
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'8.0'
```

```
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```
Sending message with topic videv/ffw/julian/main_light/color_temp and payload 5
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5'
```

```
Received message with topic zigbee/ffw/julian/main_light/set and payload
```

```
↳ b'{"color_temp": 352.0}'
```

```
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
```

```
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
```

```
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5.0'
```

```
Received message with topic videv/ffw/julian/main_light/__info__ and payload
```

```
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
```

```
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
```

```
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```
Result (Light device brightness): 5 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 5 (<class 'int'>)
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
```

```
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'8.0'
```

```
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```
Sending message with topic videv/ffw/julian/main_light/color_temp and payload 5
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5'
```

```
Received message with topic zigbee/ffw/julian/main_light/set and payload
↪ b'{"color_temp": 352.0}'
```

```
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5.0'
```

```
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```
Result (Light device brightness): 5 (<class 'int'>)
Expectation (Light device brightness): result = 5 (<class 'int'>)
```

Info Resetting precondition (Power off)

```
Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload off
Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/ffw/julian/main_light/state and payload b'false'
```

```
Received message with topic videv/ffw/julian/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

4.34 Power On/Off test for device and virtual device: shellies/ffw/julian/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time:	2023-02-09 15:57:36,116
Finished-Time:	2023-02-09 15:57:37,326
Time-Consumption	1.210s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/julian/main_light/state and payload b'true'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffw/julian/main_light/state and payload false

Received message with topic videv/ffw/julian/main_light/state and payload b'false'

Received message with topic shellies/ffw/julian/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload off

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'off'

Received message with topic videv/ffw/julian/main_light/state and payload b'false'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/julian/main_light/state and payload b'true'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffw/julian/main_light/state and payload false

Received message with topic videv/ffw/julian/main_light/state and payload b'false'

Received message with topic shellies/ffw/julian/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffw/julian/main_light/relay/0 and payload off

Received message with topic shellies/ffw/julian/main_light/relay/0 and payload b'off'

Received message with topic videv/ffw/julian/main_light/state and payload b'false'

Received message with topic videv/ffw/julian/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.35 Brightness test for device and virtual device: zigbee/ffw/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
 Start-Time: 2023-02-09 15:57:37,326
 Finished-Time: 2023-02-09 15:57:39,139
 Time-Consumption 1.813s

Testresults:

Info Setting preconditions (Power on)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Info Changing light device brightness to '65'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffw/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffw/livingroom/main_light/brightness and payload 50

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'65.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffw/livingroom/main_light/brightness and payload 50

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'50'

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/brightness and payload
 ↪ b'50.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload

↪ b'off'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

4.36 Color temperature test for device and virtual device: zigbee/ffw/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
Start-Time:	2023-02-09 15:57:39,140
Finished-Time:	2023-02-09 15:57:40,954
Time-Consumption	1.814s

Testresults:

Info	Setting preconditions (Power on)
Success	Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info	Changing light device color temperature to '5'
Success	Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info	Changing virtual device color temperature to '5'
Success	Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success	Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info	Changing light device color temperature to '5'
Success	Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info	Changing virtual device color temperature to '5'
Success	Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info	Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
 ↪ b'on'

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Virtual device color temperature): 5 (<class 'int'>)

Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

Info Changing light device color temperature to '5'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'8.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffw/livingroom/main_light/color_temp and payload 5

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'5'

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Virtual device color temperature): 5 (<class 'int'>)

Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

Info Changing light device color temperature to '5'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'8.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/ffw/livingroom/main_light/color_temp and payload 5

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'5'

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
 ↪ b'5.0'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.37 Power On/Off test for device and virtual device: shellies/ffw/livingroom/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:57:40,955
 Finished-Time: 2023-02-09 15:57:42,165
 Time-Consumption 1.210s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
↪ b'on'

Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffw/livingroom/main_light/state and payload b'true'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

```

Sending message with topic videv/ffw/livingroom/main_light/state and payload false
Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'
Received message with topic shellies/ffw/livingroom/main_light/relay/0/command and
↪ payload b'off'
Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload off
Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
↪ b'off'
Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'
Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```

Result (Switching device state): False (<class 'bool'>)
Expectation (Switching device state): result = False (<class 'bool'>)

```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```

Result (Virtual device state): False (<class 'bool'>)
Expectation (Virtual device state): result = False (<class 'bool'>)

```

Info Changing switching device state to 'True'

```

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload on
Sending message with topic zigbee/ffw/livingroom/main_light and payload {"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
↪ b'on'
Received message with topic zigbee/ffw/livingroom/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/ffw/livingroom/main_light/state and payload b'true'
Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```

Result (Virtual device state): True (<class 'bool'>)

```

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffw/livingroom/main_light/state and payload false

Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'

Received message with topic shellies/ffw/livingroom/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/ffw/livingroom/main_light/relay/0 and payload off

Received message with topic shellies/ffw/livingroom/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'false'

Received message with topic videv/ffw/livingroom/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.38 Brightness test for device and virtual device: zigbee/ffw/sleep/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
 Start-Time: 2023-02-09 15:57:42,165
 Finished-Time: 2023-02-09 15:57:43,979
 Time-Consumption 1.814s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload on
 Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
 Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'on'
 Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
 Received message with topic videv/ffw/sleep/main_light/state and payload b'true'
 Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'
 Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50.0'
 Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)
 Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}
 Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
 Received message with topic videv/ffw/sleep/main_light/brightness and payload b'65.0'
 Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)
 Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffw/sleep/main_light/brightness and payload 50

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50'

Received message with topic zigbee/ffw/sleep/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50.0'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'65.0'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/ffw/sleep/main_light/brightness and payload 50

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50'

Received message with topic zigbee/ffw/sleep/main_light/set and payload

↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50.0'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display": true}, "brightness": {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffw/sleep/main_light/state and payload b'false'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display": true}, "brightness": {"control": true, "display": true}}'

4.39 Power On/Off test for device and virtual device: shellies/ffw/sleep/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:57:43,980
 Finished-Time: 2023-02-09 15:57:45,191
 Time-Consumption 1.211s

Testresults:

Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).
Success	Virtual device state is correct (Content False and Type is <class 'bool'>).
Info	Changing switching device state to 'True'
Success	Virtual device state is correct (Content True and Type is <class 'bool'>).
Success	Switching device state is correct (Content True and Type is <class 'bool'>).
Info	Changing virtual device state to 'False'
Success	Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffw/sleep/main_light/state and payload b'true'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffw/sleep/main_light/state and payload false

Received message with topic videv/ffw/sleep/main_light/state and payload b'false'

Received message with topic shellies/ffw/sleep/main_light/relay/0/command and payload
 ↪ b'off'

Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload off

Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'off'

Received message with topic videv/ffw/sleep/main_light/state and payload b'false'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload on

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'on'

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/ffw/sleep/main_light/state and payload b'true'

Received message with topic videv/ffw/sleep/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
 ↪ true}, "brightness": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/ffw/sleep/main_light/state and payload false

```

Received message with topic videv/ffw/sleep/main_light/state and payload b'false'
Received message with topic shellies/ffw/sleep/main_light/relay/0/command and payload
↳ b'off'
Sending message with topic shellies/ffw/sleep/main_light/relay/0 and payload off
Received message with topic shellies/ffw/sleep/main_light/relay/0 and payload b'off'
Received message with topic videv/ffw/sleep/main_light/state and payload b'false'
Received message with topic videv/ffw/sleep/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness", "state": {"control": true, "display":
↳ true}, "brightness": {"control": true, "display": true}}'

```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```

Result (Switching device state): False (<class 'bool'>)
Expectation (Switching device state): result = False (<class 'bool'>)

```

4.40 Power On/Off test for device and virtual device: my_apps/gfw/dirk/powerplug/output/1

Testsummary

This test was passed with the state: **Success**.

```

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time: 2023-02-09 15:57:45,191
Finished-Time: 2023-02-09 15:57:46,401
Time-Consumption 1.210s

```

Testresults:

```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

```

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```

Result (Virtual device state): False (<class 'bool'>)
Expectation (Virtual device state): result = False (<class 'bool'>)

```

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload true

Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/amplifier/state and payload false

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload

↪ b'false'

Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload false

Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload true

```
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/gfw/dirk/amplifier/state and payload false
Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'
Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↪ b'false'
Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload false
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
Expectation (Switching device state): result = False (<class 'bool'>)
```

4.41 Power On/Off test for device and virtual device: my_apps/gfw/dirk/powerplug/output/3

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
Start-Time: 2023-02-09 15:57:46,401
Finished-Time: 2023-02-09 15:57:47,613
Time-Consumption 1.211s
```

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload true

Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'true'

Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
 ↪ b'true'

Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload true

Received message with topic videv/gfw/dirk/cd_player/state and payload b'true'

Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/cd_player/state and payload false

```

Received message with topic videv/gfw/dirk/cd_player/state and payload b'false'
Received message with topic my_apps/gfw/dirk/powerplug/output/3/set and payload
↳ b'false'
Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload false
Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'false'
Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↳ b'false'
Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload false
Received message with topic videv/gfw/dirk/cd_player/state and payload b'false'
Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```

Result (Switching device state): False (<class 'bool'>)
Expectation (Switching device state): result = False (<class 'bool'>)

```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```

Result (Virtual device state): False (<class 'bool'>)
Expectation (Virtual device state): result = False (<class 'bool'>)

```

Info Changing switching device state to 'True'

```

Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload true
Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'true'
Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↳ b'true'
Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload true
Received message with topic videv/gfw/dirk/cd_player/state and payload b'true'
Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```

Result (Virtual device state): True (<class 'bool'>)

```

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/cd_player/state and payload false

Received message with topic videv/gfw/dirk/cd_player/state and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/3/set and payload
↪ b'false'

Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload false

Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↪ b'false'

Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload false

Received message with topic videv/gfw/dirk/cd_player/state and payload b'false'

Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.42 Power On/Off synchronisation test: my_apps/gfw/dirk/powerplug/output/3

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (24)
 Start-Time: 2023-02-09 15:57:47,613
 Finished-Time: 2023-02-09 15:57:48,519
 Time-Consumption 0.906s

Testresults:

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

Success Follower device (my_apps/gfw/dirk/powerplug/output/1) state is correct (Content True and Type is <class 'bool'>).

Info Changing master device state to 'False'

Success Follower device (my_apps/gfw/dirk/powerplug/output/1) state is correct (Content False and

Testdetails

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

```

Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload true
Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'true'
Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↳ b'true'
Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload true
Received message with topic videv/gfw/dirk/cd_player/state and payload b'true'
Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'true'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
    
```

Success Follower device (my_apps/gfw/dirk/powerplug/output/1) state is correct (Content True and Type is <class 'bool'>).

```

Result (Follower device (my_apps/gfw/dirk/powerplug/output/1) state): True (<class
↳ 'bool'>)
Expectation (Follower device (my_apps/gfw/dirk/powerplug/output/1) state): result =
↳ True (<class 'bool'>)
    
```

Info Changing master device state to 'False'

```

Sending message with topic my_apps/gfw/dirk/powerplug/output/3 and payload false
Received message with topic my_apps/gfw/dirk/powerplug/output/3 and payload b'false'
Received message with topic my_apps/gfw/dirk/powerplug/output/1/set and payload
↳ b'false'
Sending message with topic my_apps/gfw/dirk/powerplug/output/1 and payload false
Received message with topic videv/gfw/dirk/cd_player/state and payload b'false'
Received message with topic videv/gfw/dirk/cd_player/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
Received message with topic my_apps/gfw/dirk/powerplug/output/1 and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'
Received message with topic videv/gfw/dirk/amplifier/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
    
```

Success Follower device (my_apps/gfw/dirk/powerplug/output/1) state is correct (Content False and Type is <class 'bool'>).

```

Result (Follower device (my_apps/gfw/dirk/powerplug/output/1) state): False (<class
↳ 'bool'>)
Expectation (Follower device (my_apps/gfw/dirk/powerplug/output/1) state): result =
↳ False (<class 'bool'>)
    
```

4.43 Brightness test for device and virtual device: zigbee/gfw/dirk/desk_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
Start-Time:	2023-02-09 15:57:48,520
Finished-Time:	2023-02-09 15:57:50,334
Time-Consumption	1.814s

Testresults:

Info	Setting preconditions (Power on)
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success	Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Changing light device brightness to '65'
Success	Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success	Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info	Changing virtual device brightness to '50'
Success	Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info	Resetting precondition (Power off)

Testdetails

Info	Setting preconditions (Power on)
-------------	----------------------------------

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload true	
Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on", ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}	
Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'true'	
Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on", ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}	
Received message with topic videv/gfw/dirk/desk_light/state and payload b'true'	
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true, ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp": ↪ {"control": true, "display": true}}'	
Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50.0'	
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true, ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp": ↪ {"control": true, "display": true}}'	
Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5.0'	

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Virtual device brightness): 50 (<class 'int'>)
```

```
Expectation (Virtual device brightness): result = 50 (<class 'int'>)
```

Info Changing light device brightness to '65'

```
Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↳ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↳ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'65.0'
```

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

```
Result (Virtual device brightness): 65 (<class 'int'>)
```

```
Expectation (Virtual device brightness): result = 65 (<class 'int'>)
```

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

```
Result (Light device brightness): 65 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 65 (<class 'int'>)
```

Info Changing virtual device brightness to '50'

```
Sending message with topic videv/gfw/dirk/desk_light/brightness and payload 50
```

```
Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50'
```

```
Received message with topic zigbee/gfw/dirk/desk_light/set and payload
↳ b'{"brightness": 128.0}'
```

```
Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50.0'
```

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'65.0'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/gfw/dirk/desk_light/brightness and payload 50

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50'

Received message with topic zigbee/gfw/dirk/desk_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50.0'

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Light device brightness): 50 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 50 (<class 'int'>)
```

Info Resetting precondition (Power off)

```
Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload false
```

```
Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'false'
```

```
Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'
```

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

4.44 Color temperature test for device and virtual device: zigbee/gfw/dirk/desk.light

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
Start-Time: 2023-02-09 15:57:50,334
Finished-Time: 2023-02-09 15:57:52,148
Time-Consumption 1.814s
```

Testresults:

```
Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)
```

Testdetails

Info Setting preconditions (Power on)

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload true

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'true'

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'true'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Virtual device color temperature): 5 (<class 'int'>)

Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

Info Changing light device color temperature to '5'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'8.0'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/gfw/dirk/desk_light/color_temp and payload 5

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5'

```
Received message with topic zigbee/gfw/dirk/desk_light/set and payload
↳ b'{"color_temp": 352.0}'
```

```
Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5.0'
```

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```
Result (Light device brightness): 5 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 5 (<class 'int'>)
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```
Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'8.0'
```

```
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```
Sending message with topic videv/gfw/dirk/desk_light/color_temp and payload 5
```

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5'

Received message with topic zigbee/gfw/dirk/desk_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5.0'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload false

Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'false'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.45 Power On/Off test for device and virtual device: my_apps/gfw/dirk/powerplug/output/2

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:57:52,149
 Finished-Time: 2023-02-09 15:57:53,360
 Time-Consumption 1.211s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload true

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'true'

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/gfw/dirk/desk_light/state and payload b'true'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/desk_light/state and payload false

Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/2/set and payload
 ↪ b'false'

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload false

Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'false'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload true

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'true'

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'true'

Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/desk_light/state and payload false

Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/2/set and payload
 ↪ b'false'

```

Sending message with topic my_apps/gfw/dirk/powerplug/output/2 and payload false
Received message with topic my_apps/gfw/dirk/powerplug/output/2 and payload b'false'
Received message with topic videv/gfw/dirk/desk_light/state and payload b'false'
Received message with topic videv/gfw/dirk/desk_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
    
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.46 Away mode test: zigbee/gfw/dirk/heating_valve

Testsummary

This test was passed with the state: **Success**.

```

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (101)
Start-Time: 2023-02-09 15:57:53,361
Finished-Time: 2023-02-09 15:57:54,268
Time-Consumption 0.907s
    
```

Testresults:

```

Info Setting preconditions (Default setpoint)
Success Away mode is correct (Content False and Type is <class 'bool'>).
Info Activating away mode
Success Away mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 20 and Type is <class 'int'>).
Info Deactivating away mode
Success Away mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 25 and Type is <class 'int'>).
    
```

Testdetails

Info Setting preconditions (Default setpoint)

```

Sending message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload true
    
```

```

Received message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload b'true'
    
```

```

Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
    
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content False and Type is <class 'bool'>).

```
Result (Away mode): False (<class 'bool'>)
```

```
Expectation (Away mode): result = False (<class 'bool'>)
```

Info Activating away mode

```
Sending message with topic videv/gfw/dirk/heating_valve/away_mode and payload true
```

```
Received message with topic videv/gfw/dirk/heating_valve/away_mode and payload b'true'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
```

```
↳ b'{"current_heating_setpoint": 20}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'20'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/away_mode and payload b'true'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content True and Type is <class 'bool'>).

```
Result (Away mode): True (<class 'bool'>)
```

```
Expectation (Away mode): result = True (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 20 and Type is <class 'int'>).

```
Result (Temperature setpoint): 20 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 20 (<class 'int'>)
```

Info Deactivating away mode

```
Sending message with topic videv/gfw/dirk/heating_valve/away_mode and payload false
```

```
Received message with topic videv/gfw/dirk/heating_valve/away_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/away_mode and payload
↳ b'false'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content False and Type is <class 'bool'>).

```
Result (Away mode): False (<class 'bool'>)
```

```
Expectation (Away mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 25 and Type is <class 'int'>).

```
Result (Temperature setpoint): 25 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 25 (<class 'int'>)
```

4.47 Boost mode test: zigbee/gfw/dirk/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (128)
Start-Time:	2023-02-09 15:57:54,269
Finished-Time:	2023-02-09 15:57:55,176
Time-Consumption	0.907s

Testresults:

Info	Setting preconditions (Default setpoint)
Success	Boost timer is correct (Content 0 and Type is <class 'int'>).
Info	Activating boost mode
Success	Boost timer is greater expectation (Content 900 and Type is <class 'int'>).
Info	Setting postconditions (Default setpoint)
Success	Boost timer is correct (Content 0 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
 ↪ payload b'true'

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

Info Activating boost mode

Sending message with topic videv/gfw/dirk/heating_valve/start_boost and payload true

Received message with topic videv/gfw/dirk/heating_valve/start_boost and payload
 ↪ b'true'

Received message with topic videv/gfw/dirk/heating_valve/boost_timer and payload
 ↪ b'900'

Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 30}'

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'30'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Boost timer is greater expectation (Content 900 and Type is <class 'int'>).

```
Result (Boost timer): 900 (<class 'int'>)
```

```
Expectation (Boost timer): result > 0 (<class 'int'>)
```

Info Setting postconditions (Default setpoint)

```
Sending message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload b'true'
```

```
Received message with topic videv/gfw/dirk/heating_valve/boost_timer and payload b'0'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

```
Result (Boost timer): 0 (<class 'int'>)
```

```
Expectation (Boost timer): result = 0 (<class 'int'>)
```

4.48 Default temperature test for device and virtual device: zigbee/gfw/dirk/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (50)
Start-Time: 2023-02-09 15:57:55,176
Finished-Time: 2023-02-09 15:57:55,781
Time-Consumption 0.605s
```

Testresults:

```
Info Setting preconditions (Valve setpoint to 20.0)
Success Valve temperature setpoint (is not default temperature) is correct (Content True and Type is
<class 'bool'>).
Info Triggering set to default temperature (25.0)
Success Valve temperature setpoint is correct (Content 25 and Type is <class 'int'>).
```

Testdetails

Info Setting preconditions (Valve setpoint to 20.0)

Sending message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ {"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 20}'

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
 ↪ and payload b'20'

Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
 ↪ and payload b'20'

Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).

Result (Valve temperature setpoint (is not default temperature)): True (<class
 ↪ 'bool'>)

Expectation (Valve temperature setpoint (is not default temperature)): result = True
 ↪ (<class 'bool'>)

Info Triggering set to default temperature (25.0)

```

Sending message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload true
Received message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload b'true'
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'

```

Success Valve temperature setpoint is correct (Content 25 and Type is <class 'int'>).

```

Result (Valve temperature setpoint): 25 (<class 'int'>)
Expectation (Valve temperature setpoint): result = 25 (<class 'int'>)

```

4.49 Summer mode test: zigbee/gfw/dirk/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (74)
Start-Time:	2023-02-09 15:57:55,782
Finished-Time:	2023-02-09 15:57:56,689
Time-Consumption	0.907s

Testresults:

Info	Setting preconditions (Default setpoint)
Success	Summer mode is correct (Content False and Type is <class 'bool'>).
Info	Activating summer mode
Success	Summer mode is correct (Content True and Type is <class 'bool'>).
Success	Temperature setpoint is correct (Content 5 and Type is <class 'int'>).
Info	Deactivating summer mode
Success	Summer mode is correct (Content False and Type is <class 'bool'>).
Success	Temperature setpoint is correct (Content 25 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Default setpoint)

```
Sending message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/gfw/dirk/heating_valve/set_default_temperature and
↳ payload b'true'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

```
Result (Summer mode): False (<class 'bool'>)
```

```
Expectation (Summer mode): result = False (<class 'bool'>)
```

Info Activating summer mode

```
Sending message with topic videv/gfw/dirk/heating_valve/summer_mode and payload true
```

```
Received message with topic videv/gfw/dirk/heating_valve/summer_mode and payload
↳ b'true'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 5}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'5'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/summer_mode and payload
↳ b'true'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content True and Type is <class 'bool'>).

```
Result (Summer mode): True (<class 'bool'>)
```

```
Expectation (Summer mode): result = True (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).

```
Result (Temperature setpoint): 5 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 5 (<class 'int'>)
```

Info Deactivating summer mode

```
Sending message with topic videv/gfw/dirk/heating_valve/summer_mode and payload false
```

```
Received message with topic videv/gfw/dirk/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

```
Result (Summer mode): False (<class 'bool'>)
```

```
Expectation (Summer mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 25 and Type is <class 'int'>).

```
Result (Temperature setpoint): 25 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 25 (<class 'int'>)
```

4.50 User temperature setpoint test for device and virtual device: zigbee/gfw/dirk/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (22)
Start-Time:	2023-02-09 15:57:56,690
Finished-Time:	2023-02-09 15:57:57,899
Time-Consumption	1.210s

Testresults:

Info	Changing valve temperature setpoint to '20.0'
Success	Virtual device valve temperature is correct (Content 20 and Type is <class 'int'>).
Success	Virtual device user temperature is correct (Content 20 and Type is <class 'int'>).
Info	Changing videv user temperature setpoint to '25.0'
Success	Valve device temperature setpoint is correct (Content 25 and Type is <class 'int'>).
Success	Virtual device valve temperature is correct (Content 25 and Type is <class 'int'>).
Info	Changing valve temperature setpoint to '20.0'
Success	Virtual device valve temperature is correct (Content 20 and Type is <class 'int'>).
Success	Virtual device user temperature is correct (Content 20 and Type is <class 'int'>).
Info	Changing videv user temperature setpoint to '25.0'
Success	Valve device temperature setpoint is correct (Content 25 and Type is <class 'int'>).
Success	Virtual device valve temperature is correct (Content 25 and Type is <class 'int'>).

Testdetails

Info	Changing valve temperature setpoint to '20.0'
-------------	---

Sending message with topic zigbee/gfw/dirk/heating_valve and payload	
↪	{"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__": "brennenstuhl_heating_valve"}

Received message with topic zigbee/gfw/dirk/heating_valve and payload	
↪	b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__": "brennenstuhl_heating_valve"}'

Received message with topic zigbee/gfw/dirk/heating_valve/set and payload	
↪	b'{"current_heating_setpoint": 20}'

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint and payload b'20'	
---	--

Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload	
↪	b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true, "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode": {"control": true, "display": true}, "start_boost": {"control": true, "display": true}, "set_default_temperature": {"control": true, "display": true}, "valve_temperature_setpoint": {"control": true, "display": true}, "boost_timer": {"control": true, "display": true}, "temperature": {"control": true, "display": true}}'

Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint and payload b'20'	
--	--

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Virtual device valve temperature is correct (Content 20 and Type is <class 'int'>).

```
Result (Virtual device valve temperature): 20 (<class 'int'>)
```

```
Expectation (Virtual device valve temperature): result = 20 (<class 'int'>)
```

Success Virtual device user temperature is correct (Content 20 and Type is <class 'int'>).

```
Result (Virtual device user temperature): 20 (<class 'int'>)
```

```
Expectation (Virtual device user temperature): result = 20 (<class 'int'>)
```

Info Changing videv user temperature setpoint to '25.0'

```
Sending message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint and
↳ payload 25
```

```
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve device temperature setpoint is correct (Content 25 and Type is <class 'int'>).

```
Result (Valve device temperature setpoint): 25 (<class 'int'>)
```

```
Expectation (Valve device temperature setpoint): result = 25 (<class 'int'>)
```

Success Virtual device valve temperature is correct (Content 25 and Type is <class 'int'>).

```
Result (Virtual device valve temperature): 25 (<class 'int'>)
```

```
Expectation (Virtual device valve temperature): result = 25 (<class 'int'>)
```

Info Changing valve temperature setpoint to '20.0'

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 20}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'20'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'20'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Virtual device valve temperature is correct (Content 20 and Type is <class 'int'>).

```
Result (Virtual device valve temperature): 20 (<class 'int'>)
```

```
Expectation (Virtual device valve temperature): result = 20 (<class 'int'>)
```

Success Virtual device user temperature is correct (Content 20 and Type is <class 'int'>).

```
Result (Virtual device user temperature): 20 (<class 'int'>)
```

```
Expectation (Virtual device user temperature): result = 20 (<class 'int'>)
```

Info Changing videv user temperature setpoint to '25.0'

```
Sending message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint and
↳ payload 25
```

```
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 25}'
```

```
Sending message with topic zigbee/gfw/dirk/heating_valve and payload
↳ {"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/dirk/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/dirk/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve device temperature setpoint is correct (Content 25 and Type is <class 'int'>).

```
Result (Valve device temperature setpoint): 25 (<class 'int'>)
```

```
Expectation (Valve device temperature setpoint): result = 25 (<class 'int'>)
```

Success Virtual device valve temperature is correct (Content 25 and Type is <class 'int'>).

```
Result (Virtual device valve temperature): 25 (<class 'int'>)
```

```
Expectation (Virtual device valve temperature): result = 25 (<class 'int'>)
```

4.51 Brightness test for device and virtual device: zigbee/gfw/dirk/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)
 Start-Time: 2023-02-09 15:57:57,900
 Finished-Time: 2023-02-09 15:57:59,715
 Time-Consumption 1.816s

Testresults:

Info Setting preconditions (Power on)
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload on
Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'on'
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/gfw/dirk/main_light/state and payload b'true'
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50.0'
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5.0'
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
  
```

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'65.0'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/gfw/dirk/main_light/brightness and payload 50

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50'

Received message with topic zigbee/gfw/dirk/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50.0'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'65.0'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/gfw/dirk/main_light/brightness and payload 50

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50'

Received message with topic zigbee/gfw/dirk/main_light/set and payload
 ↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50.0'

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

```
Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload off
```

```
Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/gfw/dirk/main_light/state and payload b'false'
```

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

4.52 Color temperature test for device and virtual device: zigbee/gfw/dirk/main_light

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)
Start-Time: 2023-02-09 15:57:59,716
Finished-Time: 2023-02-09 15:58:01,529
Time-Consumption 1.813s
```

Testresults:

```
Info Setting preconditions (Power on)
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).
Info Changing light device color temperature to '5'
Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).
Success Light device brightness is correct (Content 8 and Type is <class 'int'>).
Info Changing virtual device color temperature to '5'
Success Light device brightness is correct (Content 5 and Type is <class 'int'>).
Info Resetting precondition (Power off)
```

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload on
Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'on'
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/gfw/dirk/main_light/state and payload b'true'
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
    
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
    
```

Info Changing light device color temperature to '5'

```

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'8.0'
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
    
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 8 (<class 'int'>)
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
    
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```

Result (Light device brightness): 8 (<class 'int'>)
Expectation (Light device brightness): result = 8 (<class 'int'>)
    
```

Info Changing virtual device color temperature to '5'

```

Sending message with topic videv/gfw/dirk/main_light/color_temp and payload 5
Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5'
    
```

```
Received message with topic zigbee/gfw/dirk/main_light/set and payload
↳ b'{"color_temp": 352.0}'
```

```
Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5.0'
```

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

```
Result (Light device brightness): 5 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 5 (<class 'int'>)
```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 5 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)
```

Info Changing light device color temperature to '5'

```
Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'8.0'
```

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```
Result (Virtual device color temperature): 8 (<class 'int'>)
```

```
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)
```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```
Result (Light device brightness): 8 (<class 'int'>)
```

```
Expectation (Light device brightness): result = 8 (<class 'int'>)
```

Info Changing virtual device color temperature to '5'

```
Sending message with topic videv/gfw/dirk/main_light/color_temp and payload 5
```

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5'

Received message with topic zigbee/gfw/dirk/main_light/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5.0'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload off

Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/dirk/main_light/state and payload b'false'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.53 Power On/Off test for device and virtual device: shellies/gfw/dirk/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:58:01,530
 Finished-Time: 2023-02-09 15:58:02,741
 Time-Consumption 1.212s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload on

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'on'

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/dirk/main_light/state and payload b'true'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/main_light/state and payload false

Received message with topic videv/gfw/dirk/main_light/state and payload b'false'

Received message with topic shellies/gfw/dirk/main_light/relay/0/command and payload
↪ b'off'

Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload off

Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/dirk/main_light/state and payload b'false'

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload on
```

```
Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'on'
```

```
Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/dirk/main_light/state and payload b'true'
```

```
Received message with topic videv/gfw/dirk/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

```
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
```

```
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/gfw/dirk/main_light/state and payload false
```

```
Received message with topic videv/gfw/dirk/main_light/state and payload b'false'
```

```
Received message with topic shellies/gfw/dirk/main_light/relay/0/command and payload
↳ b'off'
```

```
Sending message with topic shellies/gfw/dirk/main_light/relay/0 and payload off
```

Received message with topic shellies/gfw/dirk/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/dirk/main_light/state and payload b'false'

Received message with topic videv/gfw/dirk/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.54 Power On/Off test for device and virtual device: my_apps/gfw/dirk/powerplug/output/4

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:58:02,742
 Finished-Time: 2023-02-09 15:58:03,952
 Time-Consumption 1.210s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic my_apps/gfw/dirk/powerplug/output/4 and payload true

```
Received message with topic my_apps/gfw/dirk/powerplug/output/4 and payload b'true'
Received message with topic videv/gfw/dirk/pc_dock/state and payload b'true'
Received message with topic videv/gfw/dirk/pc_dock/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/gfw/dirk/pc_dock/state and payload false
Received message with topic videv/gfw/dirk/pc_dock/state and payload b'false'
Received message with topic my_apps/gfw/dirk/powerplug/output/4/set and payload
↳ b'false'
Sending message with topic my_apps/gfw/dirk/powerplug/output/4 and payload false
Received message with topic my_apps/gfw/dirk/powerplug/output/4 and payload b'false'
Received message with topic videv/gfw/dirk/pc_dock/state and payload b'false'
Received message with topic videv/gfw/dirk/pc_dock/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
Expectation (Switching device state): result = False (<class 'bool'>)
```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic my_apps/gfw/dirk/powerplug/output/4 and payload true
Received message with topic my_apps/gfw/dirk/powerplug/output/4 and payload b'true'
Received message with topic videv/gfw/dirk/pc_dock/state and payload b'true'
Received message with topic videv/gfw/dirk/pc_dock/__info__ and payload
↳ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/dirk/pc_dock/state and payload false

Received message with topic videv/gfw/dirk/pc_dock/state and payload b'false'

Received message with topic my_apps/gfw/dirk/powerplug/output/4/set and payload
↪ b'false'

Sending message with topic my_apps/gfw/dirk/powerplug/output/4 and payload false

Received message with topic my_apps/gfw/dirk/powerplug/output/4 and payload b'false'

Received message with topic videv/gfw/dirk/pc_dock/state and payload b'false'

Received message with topic videv/gfw/dirk/pc_dock/__info__ and payload
↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.55 Brightness test for device and virtual device: zigbee/gfw/floor/main_light_1

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (50)

Start-Time: 2023-02-09 15:58:03,953

Finished-Time: 2023-02-09 15:58:05,768

Time-Consumption 1.815s

Testresults:

Info Setting preconditions (Power on)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Info Changing light device brightness to '65'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Info Changing virtual device brightness to '50'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).
Info Changing light device brightness to '65'
Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).
Success Light device brightness is correct (Content 65 and Type is <class 'int'>).
Info Changing virtual device brightness to '50'
Success Light device brightness is correct (Content 50 and Type is <class 'int'>).
Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'
Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
↪ ""}'
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
↪ ""}'
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50.0'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5.0'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

```

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'65.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/gfw/floor/main_light/brightness and payload 50

Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↪ b'{"brightness": 128.0}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'50.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Success Virtual device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Virtual device brightness): 50 (<class 'int'>)

Expectation (Virtual device brightness): result = 50 (<class 'int'>)

Info Changing light device brightness to '65'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 165.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'65.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Virtual device brightness): 65 (<class 'int'>)

Expectation (Virtual device brightness): result = 65 (<class 'int'>)

Success Light device brightness is correct (Content 65 and Type is <class 'int'>).

Result (Light device brightness): 65 (<class 'int'>)

Expectation (Light device brightness): result = 65 (<class 'int'>)

Info Changing virtual device brightness to '50'

Sending message with topic videv/gfw/floor/main_light/brightness and payload 50

Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"brightness": 128.0}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↪ b'{"brightness": 128.0}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'50.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 50 and Type is <class 'int'>).

Result (Light device brightness): 50 (<class 'int'>)

Expectation (Light device brightness): result = 50 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off

Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/floor/main_light/state and payload b'false'

Received message with topic videv/gfw/floor/main_light/__info__ and payload

```
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

4.56 Color temperature test for device and virtual device: zigbee/gfw/floor/main_light_1

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (81)

Start-Time: 2023-02-09 15:58:05,768

Finished-Time: 2023-02-09 15:58:07,583

Time-Consumption 1.815s

Testresults:

Info Setting preconditions (Power on)

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Info Changing light device color temperature to '5'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Info Changing virtual device color temperature to '5'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Info Changing light device color temperature to '5'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Info Changing virtual device color temperature to '5'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Info Resetting precondition (Power off)

Testdetails

Info Setting preconditions (Power on)

```

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'
Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
↳ ""}'
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
↳ ""}'
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

```

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 5 (<class 'int'>)
Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

```

Info Changing light device color temperature to '5'

```

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'
Received message with topic videv/gfw/floor/main_light/color_temp and payload b'8.0'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'

```

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

```

Result (Virtual device color temperature): 8 (<class 'int'>)
Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

```

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

```

Result (Light device brightness): 8 (<class 'int'>)

```

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/gfw/floor/main_light/color_temp and payload 5

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

Received message with topic zigbee/gfw/floor/main_light_1/set and payload

↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload

↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Success Virtual device color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Virtual device color temperature): 5 (<class 'int'>)

Expectation (Virtual device color temperature): result = 5 (<class 'int'>)

Info Changing light device color temperature to '5'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":

↪ "on", "brightness": 127.0, "color_temp": 413.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'8.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload

↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Success Virtual device color temperature is correct (Content 8 and Type is <class 'int'>).

Result (Virtual device color temperature): 8 (<class 'int'>)

Expectation (Virtual device color temperature): result = 8 (<class 'int'>)

Success Light device brightness is correct (Content 8 and Type is <class 'int'>).

Result (Light device brightness): 8 (<class 'int'>)

Expectation (Light device brightness): result = 8 (<class 'int'>)

Info Changing virtual device color temperature to '5'

Sending message with topic videv/gfw/floor/main_light/color_temp and payload 5

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"color_temp": 352.0}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Light device brightness is correct (Content 5 and Type is <class 'int'>).

Result (Light device brightness): 5 (<class 'int'>)

Expectation (Light device brightness): result = 5 (<class 'int'>)

Info Resetting precondition (Power off)

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off

Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/floor/main_light/state and payload b'false'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.57 Power On/Off test for device and virtual device: shellies/gfw/floor/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:58:07,584
 Finished-Time: 2023-02-09 15:58:08,795
 Time-Consumption 1.211s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on

Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'

Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
 ↪ ""}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
 ↪ ""}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/gfw/floor/main_light/state and payload b'true'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

```
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
```

```
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/gfw/floor/main_light/state and payload false
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0/command and payload
↪ b'off'
```

```
Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

```
Result (Virtual device state): False (<class 'bool'>)
```

```
Expectation (Virtual device state): result = False (<class 'bool'>)
```

Info Changing switching device state to 'True'

```
Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'
```

```
Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
↪ ""}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
↪ ""}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

```
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

```
Result (Virtual device state): True (<class 'bool'>)
```

```
Expectation (Virtual device state): result = True (<class 'bool'>)
```

Success Switching device state is correct (Content True and Type is <class 'bool'>).

```
Result (Switching device state): True (<class 'bool'>)
```

```
Expectation (Switching device state): result = True (<class 'bool'>)
```

Info Changing virtual device state to 'False'

```
Sending message with topic videv/gfw/floor/main_light/state and payload false
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0/command and payload
↪ b'off'
```

```
Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
```

Success Switching device state is correct (Content False and Type is <class 'bool'>).

```
Result (Switching device state): False (<class 'bool'>)
```

```
Expectation (Switching device state): result = False (<class 'bool'>)
```

4.58 Brightness synchronisation test: videv/gfw/floor/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (42)
 Start-Time: 2023-02-09 15:58:08,795
 Finished-Time: 2023-02-09 15:58:10,004
 Time-Consumption 1.208s

Testresults:

Info Setting preconditions for master device 'True' (Power on)

Info Changing master device brightness to '35'

Success Follower device (zigbee/gfw/floor/main_light_1) brightness is correct (Content 35 and Type is <class 'int'>).

Success Follower device (zigbee/gfw/floor/main_light_2) brightness is correct (Content 35 and Type is <class 'int'>).

Info Changing master device brightness to '50'

Success Follower device (zigbee/gfw/floor/main_light_1) brightness is correct (Content 50 and Type is <class 'int'>).

Success Follower device (zigbee/gfw/floor/main_light_2) brightness is correct (Content 50 and Type is <class 'int'>).

Info Resetting preconditions for master device 'False' (Power off)

Testdetails

Info Setting preconditions for master device 'True' (Power on)

```

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'
Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
↪ ""}'
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
↪ ""}'
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
  
```

Info Changing master device brightness to '35'

```

Sending message with topic videv/gfw/floor/main_light/brightness and payload 35
Received message with topic videv/gfw/floor/main_light/brightness and payload b'35'
  
```

```
Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↳ b'{"brightness": 90.0}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↳ "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↳ b'{"brightness": 90.0}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↳ "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'35.0'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/gfw/floor/main_light.1) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_1) brightness): 35 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_1) brightness): result = 35
↳ (<class 'int'>)
```

Success Follower device (zigbee/gfw/floor/main_light.2) brightness is correct (Content 35 and Type is <class 'int'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_2) brightness): 35 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_2) brightness): result = 35
↳ (<class 'int'>)
```

Info Changing master device brightness to '50'

```
Sending message with topic videv/gfw/floor/main_light/brightness and payload 50
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'
```

```
Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↳ b'{"brightness": 128.0}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↳ b'{"brightness": 128.0}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
```

```
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50.0'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/gfw/floor/main_light_1) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_1) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_1) brightness): result = 50
↳ (<class 'int'>)
```

Success Follower device (zigbee/gfw/floor/main_light_2) brightness is correct (Content 50 and Type is <class 'int'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_2) brightness): 50 (<class
↳ 'int'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_2) brightness): result = 50
↳ (<class 'int'>)
```

Info Resetting preconditions for master device 'False' (Power off)

```
Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

4.59 Color temperature synchronisation test: videv/gfw/floor/main_light

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (67)
Start-Time:	2023-02-09 15:58:10,004
Finished-Time:	2023-02-09 15:58:11,214
Time-Consumption	1.209s

Testresults:

Info	Setting preconditions for master device 'True' (Power on)
Info	Changing master device color temperature to '2'
Success	Follower device (zigbee/gfw/floor/main_light.1) color temperature is correct (Content 2 and Type is <class 'int'>).
Success	Follower device (zigbee/gfw/floor/main_light.2) color temperature is correct (Content 2 and Type is <class 'int'>).
Info	Changing master device color temperature to '5'
Success	Follower device (zigbee/gfw/floor/main_light.1) color temperature is correct (Content 5 and Type is <class 'int'>).
Success	Follower device (zigbee/gfw/floor/main_light.2) color temperature is correct (Content 5 and Type is <class 'int'>).
Info	Resetting preconditions for master device 'False' (Power off)

Testdetails

Info	Setting preconditions for master device 'True' (Power on)
	Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on
	Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'
	Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state": ↪ ""}'
	Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on", ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
	Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state": ↪ ""}'
	Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on", ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}
	Received message with topic videv/gfw/floor/main_light/state and payload b'true'
	Received message with topic videv/gfw/floor/main_light/__info__ and payload ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true, ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp": ↪ {"control": true, "display": true}}'
	Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state": ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
	Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state": ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'
Info	Changing master device color temperature to '2'
	Sending message with topic videv/gfw/floor/main_light/color_temp and payload 2
	Received message with topic videv/gfw/floor/main_light/color_temp and payload b'2'
	Received message with topic zigbee/gfw/floor/main_light_1/set and payload ↪ b'{"color_temp": 291.0}'
	Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on", ↪ "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"color_temp": 291.0}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'2.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Follower device (zigbee/gfw/floor/main_light_1) color temperature is correct (Content 2 and Type is <class 'int'>).

Result (Follower device (zigbee/gfw/floor/main_light_1) color temperature): 2 (<class
 ↪ 'int'>)

Expectation (Follower device (zigbee/gfw/floor/main_light_1) color temperature):
 ↪ result = 2 (<class 'int'>)

Success Follower device (zigbee/gfw/floor/main_light_2) color temperature is correct (Content 2 and Type is <class 'int'>).

Result (Follower device (zigbee/gfw/floor/main_light_2) color temperature): 2 (<class
 ↪ 'int'>)

Expectation (Follower device (zigbee/gfw/floor/main_light_2) color temperature):
 ↪ result = 2 (<class 'int'>)

Info Changing master device color temperature to '5'

Sending message with topic videv/gfw/floor/main_light/color_temp and payload 5

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"color_temp": 352.0}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5.0'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

Success Follower device (zigbee/gfw/floor/main_light_1) color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Follower device (zigbee/gfw/floor/main_light_1) color temperature): 5 (<class
 ↪ 'int'>)

Expectation (Follower device (zigbee/gfw/floor/main_light_1) color temperature):
 ↪ result = 5 (<class 'int'>)

Success Follower device (zigbee/gfw/floor/main_light_2) color temperature is correct (Content 5 and Type is <class 'int'>).

Result (Follower device (zigbee/gfw/floor/main_light_2) color temperature): 5 (<class
 ↪ 'int'>)

Expectation (Follower device (zigbee/gfw/floor/main_light_2) color temperature):
 ↪ result = 5 (<class 'int'>)

Info Resetting preconditions for master device 'False' (Power off)

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off

Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/floor/main_light/state and payload b'false'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
 ↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
 ↪ {"control": true, "display": true}}'

4.60 Power On/Off synchronisation test: shellies/gfw/floor/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/synchronisation.py (24)
 Start-Time: 2023-02-09 15:58:11,214
 Finished-Time: 2023-02-09 15:58:12,121
 Time-Consumption 0.907s

Testresults:

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

Success Follower device (zigbee/gfw/floor/main_light_1) state is correct (Content True and Type is <class 'bool'>).

Success Follower device (zigbee/gfw/floor/main_light.2) state is correct (Content True and Type is <class 'bool'>).

Info Changing master device state to 'False'

Success Follower device (zigbee/gfw/floor/main_light.1) state is correct (Content False and Type is <class 'bool'>).

Success Follower device (zigbee/gfw/floor/main_light.2) state is correct (Content False and Type is <class 'bool'>).

Testdetails

Info Setting preconditions for master device 'False'

Info Changing master device state to 'True'

Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload on

Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'on'

Received message with topic zigbee/gfw/floor/main_light_1/get and payload b'{"state":
↪ ""}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic zigbee/gfw/floor/main_light_2/get and payload b'{"state":
↪ ""}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}

Received message with topic videv/gfw/floor/main_light/state and payload b'true'

Received message with topic videv/gfw/floor/main_light/__info__ and payload
↪ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↪ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↪ {"control": true, "display": true}}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0, "__type__": "tradfri_light"}'

Success Follower device (zigbee/gfw/floor/main_light.1) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/gfw/floor/main_light.1) state): True (<class 'bool'>)

Expectation (Follower device (zigbee/gfw/floor/main_light.1) state): result = True
↪ (<class 'bool'>)

Success Follower device (zigbee/gfw/floor/main_light.2) state is correct (Content True and Type is <class 'bool'>).

Result (Follower device (zigbee/gfw/floor/main_light.2) state): True (<class 'bool'>)

```
Expectation (Follower device (zigbee/gfw/floor/main_light_2) state): result = True
↳ (<class 'bool'>)
```

Info Changing master device state to 'False'

```
Sending message with topic shellies/gfw/floor/main_light/relay/0 and payload off
```

```
Received message with topic shellies/gfw/floor/main_light/relay/0 and payload b'off'
```

```
Received message with topic videv/gfw/floor/main_light/state and payload b'false'
```

```
Received message with topic videv/gfw/floor/main_light/__info__ and payload
```

```
↳ b'{"__type__": "videv_switch_brightness_color_temp", "state": {"control": true,
↳ "display": true}, "brightness": {"control": true, "display": true}, "color_temp":
↳ {"control": true, "display": true}}'
```

Success Follower device (zigbee/gfw/floor/main_light_1) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_1) state): False (<class 'bool'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_1) state): result = False
↳ (<class 'bool'>)
```

Success Follower device (zigbee/gfw/floor/main_light_2) state is correct (Content False and Type is <class 'bool'>).

```
Result (Follower device (zigbee/gfw/floor/main_light_2) state): False (<class 'bool'>)
```

```
Expectation (Follower device (zigbee/gfw/floor/main_light_2) state): result = False
↳ (<class 'bool'>)
```

4.61 Away mode test: zigbee/gfw/marion/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (101)
Start-Time: 2023-02-09 15:58:12,122
Finished-Time: 2023-02-09 15:58:13,031
Time-Consumption 0.909s
```

Testresults:

```
Info Setting preconditions (Default setpoint)
Success Away mode is correct (Content False and Type is <class 'bool'>).
Info Activating away mode
Success Away mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 18 and Type is <class 'int'>).
Info Deactivating away mode
Success Away mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).
```

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/gfw/marion/heating_valve/set_default_temperature
 ↪ and payload b'true'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Away mode is correct (Content False and Type is <class 'bool'>).

Result (Away mode): False (<class 'bool'>)

```
Expectation (Away mode): result = False (<class 'bool'>)
```

Info Activating away mode

```
Sending message with topic videv/gfw/marion/heating_valve/away_mode and payload true
```

```
Received message with topic videv/gfw/marion/heating_valve/away_mode and payload
↳ b'true'
```

```
Received message with topic zigbee/gfw/marion/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 18}'
```

```
Sending message with topic zigbee/gfw/marion/heating_valve and payload
↳ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
↳ and payload b'18'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/marion/heating_valve/away_mode and payload
↳ b'true'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/marion/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Away mode is correct (Content True and Type is <class 'bool'>).

```
Result (Away mode): True (<class 'bool'>)
```

Expectation (Away mode): result = True (<class 'bool'>)

Success Temperature setpoint is correct (Content 18 and Type is <class 'int'>).

Result (Temperature setpoint): 18 (<class 'int'>)

Expectation (Temperature setpoint): result = 18 (<class 'int'>)

Info Deactivating away mode

Sending message with topic videv/gfw/marion/heating_valve/away_mode and payload false

Received message with topic videv/gfw/marion/heating_valve/away_mode and payload
 ↳ b'false'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↳ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↳ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↳ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↳ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Received message with topic videv/gfw/marion/heating_valve/away_mode and payload
 ↳ b'false'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↳ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↳ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↳ {"control": true, "display": true}, "start_boost": {"control": true},
 ↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↳ true}}'

Success Away mode is correct (Content False and Type is <class 'bool'>).

Result (Away mode): False (<class 'bool'>)

Expectation (Away mode): result = False (<class 'bool'>)

Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Temperature setpoint): 23 (<class 'int'>)

Expectation (Temperature setpoint): result = 23 (<class 'int'>)

4.62 Boost mode test: zigbee/gfw/marion/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (128)
 Start-Time: 2023-02-09 15:58:13,031
 Finished-Time: 2023-02-09 15:58:13,940
 Time-Consumption 0.909s

Testresults:

Info Setting preconditions (Default setpoint)
Success Boost timer is correct (Content 0 and Type is <class 'int'>).
Info Activating boost mode
Success Boost timer is greater expectation (Content 899 and Type is <class 'int'>).
Info Setting postconditions (Default setpoint)
Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/gfw/marion/heating_valve/set_default_temperature
 ↪ and payload b'true'

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

Info Activating boost mode

Sending message with topic videv/gfw/marion/heating_valve/start_boost and payload true

Received message with topic videv/gfw/marion/heating_valve/start_boost and payload
 ↪ b'true'

Received message with topic videv/gfw/marion/heating_valve/boost_timer and payload
 ↪ b'900'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 30}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/boost_timer and payload
 ↪ b'899'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Boost timer is greater expectation (Content 899 and Type is <class 'int'>).

```
Result (Boost timer): 899 (<class 'int'>)
Expectation (Boost timer): result > 0 (<class 'int'>)
```

Info Setting postconditions (Default setpoint)

```
Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/gfw/marion/heating_valve/set_default_temperature
↳ and payload b'true'
```

```
Received message with topic videv/gfw/marion/heating_valve/boost_timer and payload
↳ b'0'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 23}'
```

```
Sending message with topic zigbee/gfw/marion/heating_valve and payload
↳ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/marion/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Boost timer is correct (Content 0 and Type is <class 'int'>).

Result (Boost timer): 0 (<class 'int'>)

Expectation (Boost timer): result = 0 (<class 'int'>)

4.63 Default temperature test for device and virtual device: zigbee/gfw/marion/heating_valve

Testsummary

This test was passed with the state: **Success**.

Caller:	/home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (50)
Start-Time:	2023-02-09 15:58:13,940
Finished-Time:	2023-02-09 15:58:14,545
Time-Consumption	0.605s

Testresults:

Info	Setting preconditions (Valve setpoint to 18.0)
Success	Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).
Info	Triggering set to default temperature (23.0)
Success	Valve temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Testdetails

Info Setting preconditions (Valve setpoint to 18.0)

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 18}'

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'18'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'18'

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/marion/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve temperature setpoint (is not default temperature) is correct (Content True and Type is <class 'bool'>).

```
Result (Valve temperature setpoint (is not default temperature)): True (<class
↳ 'bool'>)
```

```
Expectation (Valve temperature setpoint (is not default temperature)): result = True
↳ (<class 'bool'>)
```

Info Triggering set to default temperature (23.0)

```
Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature and
↳ payload true
```

```
Received message with topic videv/gfw/marion/heating_valve/set_default_temperature
↳ and payload b'true'
```

```
Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 23}'
```

```
Sending message with topic zigbee/gfw/marion/heating_valve and payload
↳ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/marion/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Valve temperature setpoint is correct (Content 23 and Type is <class 'int'>).

```
Result (Valve temperature setpoint): 23 (<class 'int'>)
```

```
Expectation (Valve temperature setpoint): result = 23 (<class 'int'>)
```

4.64 Summer mode test: zigbee/gfw/marion/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (74)
Start-Time: 2023-02-09 15:58:14,546
Finished-Time: 2023-02-09 15:58:15,455
Time-Consumption 0.910s
```

Testresults:

```
Info Setting preconditions (Default setpoint)
Success Summer mode is correct (Content False and Type is <class 'bool'>).
Info Activating summer mode
Success Summer mode is correct (Content True and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).
Info Deactivating summer mode
Success Summer mode is correct (Content False and Type is <class 'bool'>).
Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).
```

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature and
 ↪ payload true

Received message with topic videv/gfw/marion/heating_valve/set_default_temperature
 ↪ and payload b'true'

Success Summer mode is correct (Content False and Type is <class 'bool'>).

Result (Summer mode): False (<class 'bool'>)

Expectation (Summer mode): result = False (<class 'bool'>)

Info Activating summer mode

Sending message with topic videv/gfw/marion/heating_valve/summer_mode and payload true

Received message with topic videv/gfw/marion/heating_valve/summer_mode and payload
 ↪ b'true'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 5}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'5'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/summer_mode and payload
 ↪ b'true'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content True and Type is <class 'bool'>).

```
Result (Summer mode): True (<class 'bool'>)
```

```
Expectation (Summer mode): result = True (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 5 and Type is <class 'int'>).

```
Result (Temperature setpoint): 5 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 5 (<class 'int'>)
```

Info Deactivating summer mode

```
Sending message with topic videv/gfw/marion/heating_valve/summer_mode and payload
↳ false
```

```
Received message with topic videv/gfw/marion/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/gfw/marion/heating_valve/set and payload
↳ b'{"current_heating_setpoint": 23}'
```

```
Sending message with topic zigbee/gfw/marion/heating_valve and payload
↳ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}
```

```
Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
↳ and payload b'23'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic videv/gfw/marion/heating_valve/summer_mode and payload
↳ b'false'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
↳ "brennenstuhl_heating_valve"}'
```

```
Received message with topic videv/gfw/marion/heating_valve/temperature and payload
↳ b'20.7'
```

```
Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
↳ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↳ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↳ {"control": true, "display": true}, "start_boost": {"control": true},
↳ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↳ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↳ true}}'
```

Success Summer mode is correct (Content False and Type is <class 'bool'>).

```
Result (Summer mode): False (<class 'bool'>)
```

```
Expectation (Summer mode): result = False (<class 'bool'>)
```

Success Temperature setpoint is correct (Content 23 and Type is <class 'int'>).

```
Result (Temperature setpoint): 23 (<class 'int'>)
```

```
Expectation (Temperature setpoint): result = 23 (<class 'int'>)
```

4.65 User temperature setpoint test for device and virtual device: zigbee/gfw/marion/heating_valve

Testsummary

This test was passed with the state: **Success**.

```
Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/heating.py (22)
Start-Time: 2023-02-09 15:58:15,456
Finished-Time: 2023-02-09 15:58:16,668
Time-Consumption 1.212s
```

Testresults:

```
Info Changing valve temperature setpoint to '18.0'
Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).
Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).
Info Changing videv user temperature setpoint to '23.0'
Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).
Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).
Info Changing valve temperature setpoint to '18.0'
Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).
Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).
Info Changing videv user temperature setpoint to '23.0'
Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).
Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).
```

Testdetails

Info Changing valve temperature setpoint to '18.0'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 18}'

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'18'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'18'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device valve temperature): 18 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 18 (<class 'int'>)

Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device user temperature): 18 (<class 'int'>)

Expectation (Virtual device user temperature): result = 18 (<class 'int'>)

Info Changing videv user temperature setpoint to '23.0'

Sending message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload 23

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Valve device temperature setpoint): 23 (<class 'int'>)

Expectation (Valve device temperature setpoint): result = 23 (<class 'int'>)

Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).

Result (Virtual device valve temperature): 23 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 23 (<class 'int'>)

Info Changing valve temperature setpoint to '18.0'

Sending message with topic zigbee/gfw/marion/heating_valve and payload

↪ {"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}

Received message with topic zigbee/gfw/marion/heating_valve and payload

↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "__type__":
↪ "brennenstuhl_heating_valve"}'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload

↪ b'{"current_heating_setpoint": 18}'

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint

↪ and payload b'18'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload

↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint

↪ and payload b'18'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload

↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/temperature and payload

↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload

↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
↪ {"control": true, "display": true}, "start_boost": {"control": true},
↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
↪ true}}'

Success Virtual device valve temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device valve temperature): 18 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 18 (<class 'int'>)

Success Virtual device user temperature is correct (Content 18 and Type is <class 'int'>).

Result (Virtual device user temperature): 18 (<class 'int'>)

Expectation (Virtual device user temperature): result = 18 (<class 'int'>)

Info Changing videv user temperature setpoint to '23.0'

Sending message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload 23

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve/set and payload
 ↪ b'{"current_heating_setpoint": 23}'

Sending message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ {"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic videv/gfw/marion/heating_valve/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "__type__":
 ↪ "brennenstuhl_heating_valve"}

Received message with topic videv/gfw/marion/heating_valve/temperature and payload
 ↪ b'20.7'

Received message with topic videv/gfw/marion/heating_valve/__info__ and payload
 ↪ b'{"__type__": "videv_heating", "user_temperature_setpoint": {"control": true,
 ↪ "display": true}, "away_mode": {"control": true, "display": true}, "summer_mode":
 ↪ {"control": true, "display": true}, "start_boost": {"control": true},
 ↪ "set_default_temperature": {"control": true}, "valve_temperature_setpoint":
 ↪ {"display": true}, "boost_timer": {"display": true}, "temperature": {"display":
 ↪ true}}'

Success Valve device temperature setpoint is correct (Content 23 and Type is <class 'int'>).

Result (Valve device temperature setpoint): 23 (<class 'int'>)

Expectation (Valve device temperature setpoint): result = 23 (<class 'int'>)

Success Virtual device valve temperature is correct (Content 23 and Type is <class 'int'>).

Result (Virtual device valve temperature): 23 (<class 'int'>)

Expectation (Virtual device valve temperature): result = 23 (<class 'int'>)

4.66 Power On/Off test for device and virtual device: shellies/gfw/marion/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)

Start-Time: 2023-02-09 15:58:16,668

Finished-Time: 2023-02-09 15:58:17,881

Time-Consumption 1.213s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Info Changing switching device state to 'True'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Info Changing virtual device state to 'False'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Info Changing switching device state to 'True'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Info Changing virtual device state to 'False'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/gfw/marion/main_light/relay/0 and payload on

Received message with topic shellies/gfw/marion/main_light/relay/0 and payload b'on'

Received message with topic videv/gfw/marion/main_light/state and payload b'true'

Received message with topic videv/gfw/marion/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/marion/main_light/state and payload false

Received message with topic videv/gfw/marion/main_light/state and payload b'false'

Received message with topic shellies/gfw/marion/main_light/relay/0/command and

↪ payload b'off'

Sending message with topic shellies/gfw/marion/main_light/relay/0 and payload off

Received message with topic shellies/gfw/marion/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/marion/main_light/state and payload b'false'

Received message with topic videv/gfw/marion/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/gfw/marion/main_light/relay/0 and payload on

Received message with topic shellies/gfw/marion/main_light/relay/0 and payload b'on'

Received message with topic videv/gfw/marion/main_light/state and payload b'true'

Received message with topic videv/gfw/marion/main_light/__info__ and payload

↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/gfw/marion/main_light/state and payload false

Received message with topic videv/gfw/marion/main_light/state and payload b'false'

Received message with topic shellies/gfw/marion/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/gfw/marion/main_light/relay/0 and payload off

Received message with topic shellies/gfw/marion/main_light/relay/0 and payload b'off'

Received message with topic videv/gfw/marion/main_light/state and payload b'false'

Received message with topic videv/gfw/marion/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching", "state": {"control": true, "display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

4.67 Power On/Off test for device and virtual device: shellies/stw/stairway/main_light

Testsummary

This test was passed with the state: **Success**.

Caller: /home/dirk/my_repositories/smarthome/smart_brain_test/tests/light.py (27)
 Start-Time: 2023-02-09 15:58:17,882
 Finished-Time: 2023-02-09 15:58:19,093
 Time-Consumption 1.211s

Testresults:

Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).
Success Virtual device state is correct (Content False and Type is <class 'bool'>).
Info Changing switching device state to 'True'
Success Virtual device state is correct (Content True and Type is <class 'bool'>).
Success Switching device state is correct (Content True and Type is <class 'bool'>).
Info Changing virtual device state to 'False'
Success Switching device state is correct (Content False and Type is <class 'bool'>).

Testdetails

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/stw/stairway/main_light/relay/0 and payload on

Received message with topic shellies/stw/stairway/main_light/relay/0 and payload b'on'

Received message with topic videv/stw/stairway/main_light/timer and payload b'100'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Received message with topic videv/stw/stairway/main_light/state and payload b'true'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/stw/stairway/main_light/state and payload false

Received message with topic videv/stw/stairway/main_light/state and payload b'false'

Received message with topic shellies/stw/stairway/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/stw/stairway/main_light/relay/0 and payload off

Received message with topic shellies/stw/stairway/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic shellies/stw/stairway/main_light/relay/0/command and
 ↪ payload b'off'

Received message with topic videv/stw/stairway/main_light/timer and payload b'0'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Received message with topic videv/stw/stairway/main_light/state and payload b'false'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)

Success Virtual device state is correct (Content False and Type is <class 'bool'>).

Result (Virtual device state): False (<class 'bool'>)

Expectation (Virtual device state): result = False (<class 'bool'>)

Info Changing switching device state to 'True'

Sending message with topic shellies/stw/stairway/main_light/relay/0 and payload on

Received message with topic shellies/stw/stairway/main_light/relay/0 and payload b'on'

Received message with topic videv/stw/stairway/main_light/timer and payload b'100'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Received message with topic videv/stw/stairway/main_light/state and payload b'true'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Received message with topic videv/stw/stairway/main_light/timer and payload b'99'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Success Virtual device state is correct (Content True and Type is <class 'bool'>).

Result (Virtual device state): True (<class 'bool'>)

Expectation (Virtual device state): result = True (<class 'bool'>)

Success Switching device state is correct (Content True and Type is <class 'bool'>).

Result (Switching device state): True (<class 'bool'>)

Expectation (Switching device state): result = True (<class 'bool'>)

Info Changing virtual device state to 'False'

Sending message with topic videv/stw/stairway/main_light/state and payload false

Received message with topic videv/stw/stairway/main_light/state and payload b'false'

Received message with topic shellies/stw/stairway/main_light/relay/0/command and
 ↪ payload b'off'

Sending message with topic shellies/stw/stairway/main_light/relay/0 and payload off

Received message with topic shellies/stw/stairway/main_light/relay/0 and payload
 ↪ b'off'

Received message with topic shellies/stw/stairway/main_light/relay/0/command and
 ↪ payload b'off'

Received message with topic videv/stw/stairway/main_light/timer and payload b'0'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Received message with topic videv/stw/stairway/main_light/state and payload b'false'

Received message with topic videv/stw/stairway/main_light/__info__ and payload
 ↪ b'{"__type__": "videv_switching_motion", "state": {"control": true, "display":
 ↪ true}, "timer": {"display": true}, "motion_0": {"display": true}, "motion_1":
 ↪ {"display": true}}'

Success Switching device state is correct (Content False and Type is <class 'bool'>).

Result (Switching device state): False (<class 'bool'>)

Expectation (Switching device state): result = False (<class 'bool'>)