

Unittest for smart_brain

February 15, 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 Version | 1.2.0 |
| GIT repository | https://git.mount-mockery.de/smarthome/smart_brain.git |
| GIT reference | f3ed72974e5fd3bf932ab78acdf0a1d6154dd733 |

3 Summary

| | |
|---------------------------------|-----------|
| Number of tests | 67 |
| Number of successful tests | 67 |
| Number of possibly failed tests | 0 |
| Number of failed tests | 0 |

| | |
|------------------|-------------------------------|
| Executionlevel | Full Test (all defined tests) |
| Time consumption | 84.664s |

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: | 2023-02-15 07:13:23,206 |
| Finished-Time: | 2023-02-15 07:13:24,415 |
| 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 zigbee/ffe/diningroom/powerplug_floorlamp and payload
 ↪ {"state": "on"}

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 videv/ffe/livingroom/main_light/state and payload b'false'

Received message with topic videv/stw/stairway/main_light/state and payload b'false'

Received message with topic __info__ and payload b'null'

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

Received message with topic __info__ and payload b'{"app_name": "smart_brain",
 ↪ "version": {"readable": "1.2.0", "major": 1, "minor": 2, "patch": 0}, "git":
 ↪ {"url": "https://git.mount-mockery.de/smarthome/smart_brain.git", "ref":
 ↪ "f3ed72974e5fd3bf932ab78acdf0a1d6154dd733"}'

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

↔ {"state": "off"}

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp and payload

↔ b'{"state": "off"}'

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

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 and payload

↔ {"state": "on"}

Received message with topic zigbee/ffe/diningroom/powerplug_floorlamp and payload

↔ b'{"state": "on"}'

Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'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/set and payload 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 and payload
↔ {"state": "off"}

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

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

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: 2023-02-15 07:13:24,416
 Finished-Time: 2023-02-15 07:13:25,627
 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/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 and payload
 ↪ {"state": "on"}

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

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

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

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

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

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

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 and payload
↪ {"state": "on"}

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

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

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

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

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

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

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: 2023-02-15 07:13:25,627
Finished-Time: 2023-02-15 07:13:26,532
Time-Consumption 0.905s
```

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 and payload
↳ {"state": "on"}
```

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

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

```
Received message with topic videv/ffe/diningroom/floorlamp/state and payload b'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 and payload
 ↪ {"state": "off"}

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

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

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

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: | 2023-02-15 07:13:26,533 |
| Finished-Time: | 2023-02-15 07:13:27,743 |
| 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'

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/set and payload 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'

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'

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/set and payload 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'

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: 2023-02-15 07:13:27,744

Finished-Time: 2023-02-15 07:13:28,953

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/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 shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'on'

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 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'

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/set and payload
 ↪ 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/state and payload
 ↪ b'false'

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

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 shellies/ffe/kitchen/main_light/relay/0/command and
 ↪ payload b'on'

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 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'

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/set and payload
↪ 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 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 videv/ffe/kitchen/main_light/state and payload b'false'

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

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: 2023-02-15 07:13:28,954
Finished-Time: 2023-02-15 07:13:30,164

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'

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/set and payload 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'

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'

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/set and payload 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'

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: 2023-02-15 07:13:30,165
 Finished-Time: 2023-02-15 07:13:31,978
 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 zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "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}'
```

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

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

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

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}
```

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

```
Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
↪ b'65'
```

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/set and payload
 ↪ 50

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128}'

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

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}

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

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'65'

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/set and payload
 ↪ 50

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128}'

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

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

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}

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

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

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: 2023-02-15 07:13:31,979
Finished-Time: 2023-02-15 07:13:33,792
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 zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
↪ "on", "brightness": 127.0, "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}'

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

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

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"color_temp": 352}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"color_temp": 352}'

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

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

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}

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

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↪ b'{"color_temp": 352}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↪ b'{"color_temp": 352}'

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

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

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}

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

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

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: 2023-02-15 07:13:33,793
 Finished-Time: 2023-02-15 07:13:35,004
 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}
```

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

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

```
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}'
```

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

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}

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

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

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}'

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

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: | 2023-02-15 07:13:35,005 |
| Finished-Time: | 2023-02-15 07:13:36,817 |
| Time-Consumption | 1.812s |

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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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

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

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}

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

```
Received message with topic videv/ffe/livingroom/main_light/brightness and payload  
↪ b'65'
```

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/set and payload  
↪ 50
```

```
Received message with topic zigbee/ffe/livingroom/main_light/set and payload  
↪ b'{"brightness": 128}'
```

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

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

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

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}
```

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

```
Received message with topic videv/ffe/livingroom/main_light/brightness and payload  
↪ b'65'
```

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/set and payload
 ↪ 50

Received message with topic zigbee/ffe/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128}'

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

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

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

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

```

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: | 2023-02-15 07:13:36,818 |
| Finished-Time: | 2023-02-15 07:13:38,632 |
| 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/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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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

Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
↪ b'8'

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/set and payload
↪ 5

Received message with topic zigbee/ffe/livingroom/main_light/set and payload
↪ b'{"color_temp": 352}'

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

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

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

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}
```

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

```
Received message with topic videv/ffe/livingroom/main_light/color_temp and payload
↪ b'8'
```

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/set and payload
↪ 5
```

```
Received message with topic zigbee/ffe/livingroom/main_light/set and payload
↪ b'{"color_temp": 352}'
```

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

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

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

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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: | 2023-02-15 07:13:38,632 |
| Finished-Time: | 2023-02-15 07:13:39,843 |
| 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/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}
```

```
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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

```

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}
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}
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}
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}
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}
Received message with topic videv/ffe/livingroom/main_light/state and payload b'false'
Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "off", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic videv/ffe/livingroom/floorlamp/state and payload b'false'

```

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: 2023-02-15 07:13:39,844
 Finished-Time: 2023-02-15 07:13:41,055
 Time-Consumption 1.211s

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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

Info Changing master device brightness to '35'

Sending message with topic videv/ffe/livingroom/floorlamp/brightness/set and payload
 ↪ 35

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 90}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
 ↪ "on", "brightness": 90.0, "color_temp": 352.0}'

Received message with topic videv/ffe/livingroom/floorlamp/brightness and payload
 ↪ b'35'

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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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/set and payload
 ↪ 50

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
 ↪ b'{"brightness": 128}'

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

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
 ↪ b'{"brightness": 128}'

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

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

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

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

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

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

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

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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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'>)
 ↪ '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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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: 2023-02-15 07:13:41,056
 Finished-Time: 2023-02-15 07:13:42,266
 Time-Consumption 1.210s

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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

Info Changing master device color temperature to '2'

Sending message with topic videv/ffe/livingroom/floorlamp/color_temp/set and payload 2

Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
 ↪ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_1 and payload {"state":
 ↪ "on", "brightness": 127.0, "color_temp": 291.0}

```

Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_2 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_3 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_4 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_5 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"color_temp": 291}'

Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/ffe/livingroom/floorlamp_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_3 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_4 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_5 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/ffe/livingroom/floorlamp_6 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic videv/ffe/livingroom/floorlamp/color_temp and payload b'2'

```

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/set and payload 5
```

```
Received message with topic zigbee/ffe/livingroom/floorlamp_1/set and payload
↳ b'{"color_temp": 352}'
```

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

```
Received message with topic zigbee/ffe/livingroom/floorlamp_2/set and payload
↳ b'{"color_temp": 352}'
```

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

```
Received message with topic zigbee/ffe/livingroom/floorlamp_3/set and payload
↳ b'{"color_temp": 352}'
```

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

```
Received message with topic zigbee/ffe/livingroom/floorlamp_4/set and payload
↳ b'{"color_temp": 352}'
```

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

```
Received message with topic zigbee/ffe/livingroom/floorlamp_5/set and payload
↳ b'{"color_temp": 352}'
```

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

```
Received message with topic zigbee/ffe/livingroom/floorlamp_6/set and payload
↳ b'{"color_temp": 352}'
```

```
Sending message with topic zigbee/ffe/livingroom/floorlamp_6 and payload {"state":
↳ "on", "brightness": 127.0, "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}'
```

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

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

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

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

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

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

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}

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}


```

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}

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}

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}

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}

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

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

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

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

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

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

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

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

```

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: | 2023-02-15 07:13:42,267 |
| Finished-Time: | 2023-02-15 07:13:43,177 |
| Time-Consumption | 0.910s |

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}

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}'

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}

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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

```
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'>)
```

```
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'>)
```

```
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'>)
```

```
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}
```

```
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}

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}

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}

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}

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}

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

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

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

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

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

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

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

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

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: 2023-02-15 07:13:43,177
Finished-Time: 2023-02-15 07:13:44,990
Time-Consumption 1.812s
```

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}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
 ↪ "on", "brightness": 127.0}'

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/brightness and payload b'50'

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}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
 ↪ "on", "brightness": 165.0}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload

↪ b'{"brightness": 128}'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",

↪ "brightness": 127.0}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":

↪ "on", "brightness": 127.0}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'50'

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}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":

↪ "on", "brightness": 165.0}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffe/sleep/bed_light_di/set and payload

↪ b'{"brightness": 128}'

Sending message with topic zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 127.0}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0}'

Received message with topic videv/ffe/sleep/bed_light_di/brightness and payload b'50'

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}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "off", "brightness": 127.0}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

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: | 2023-02-15 07:13:44,990 |
| Finished-Time: | 2023-02-15 07:13:46,199 |
| 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 zigbee/ffe/sleep/bed_light_di and payload {"state": "on",
↪ "brightness": 127.0}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'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/set and payload 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}

Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "off", "brightness": 127.0}'

Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'

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}

```
Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "on", "brightness": 127.0}'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'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/set and payload 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}
```

```
Received message with topic zigbee/ffe/sleep/bed_light_di and payload b'{"state":
↪ "off", "brightness": 127.0}'
```

```
Received message with topic videv/ffe/sleep/bed_light_di/state and payload b'false'
```

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: 2023-02-15 07:13:46,200
Finished-Time: 2023-02-15 07:13:47,410
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 and payload {"state": "on"}

Received message with topic zigbee/ffe/sleep/bed_light_ma and payload b'{"state":
 ↪ "on"}'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'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/set and payload 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 and payload {"state": "off"}

Received message with topic zigbee/ffe/sleep/bed_light_ma and payload b'{"state":
 ↪ "off"}'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

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 and payload {"state": "on"}

Received message with topic zigbee/ffe/sleep/bed_light_ma and payload b'{"state":
↪ "on"}'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'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/set and payload 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 and payload {"state": "off"}

Received message with topic zigbee/ffe/sleep/bed_light_ma and payload b'{"state":
↪ "off"}'

Received message with topic videv/ffe/sleep/bed_light_ma/state and payload b'false'

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: 2023-02-15 07:13:47,411
 Finished-Time: 2023-02-15 07:13:48,318
 Time-Consumption 0.908s

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/set
 ↳ and payload null

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, "battery": 97}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↳ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↳ 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, "battery": 97}

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/away_mode and payload
 ↪ b'true'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}

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/away_mode and payload
 ↪ b'false'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:48,319
 Finished-Time: 2023-02-15 07:13:49,225
 Time-Consumption 0.906s

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/set
 ↪ and payload null

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/set and payload
 ↪ true

Received message with topic videv/ffe/sleep/heating_valve/boost_timer and payload
 ↪ b'900'

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, "battery": 97}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "battery": 97}'

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/set
 ↪ and payload true

Received message with topic videv/ffe/sleep/heating_valve/boost_timer and payload b'0'

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, "battery": 97}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:49,225
 Finished-Time: 2023-02-15 07:13:49,830
 Time-Consumption 0.604s

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, "battery": 97}

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'16.5'

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/set
 ↪ and payload null

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, "battery": 97}

Received message with topic videv/ffe/sleep/heating_valve/valve_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:49,830
 Finished-Time: 2023-02-15 07:13:50,738
 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 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/set
 ↪ and payload null

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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'true'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'false'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:50,738

Finished-Time: 2023-02-15 07:13:51,949

Time-Consumption 1.210s

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, "battery": 97}

Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
↳ and payload b'16.5'
    
```

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/set and payload 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, "battery": 97}

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/user_temperature_setpoint
↳ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
↳ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'
    
```

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, "battery": 97}

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 16.5, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'16.5'

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/set and payload 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, "battery": 97}

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/user_temperature_setpoint
 ↪ and payload b'21.5'

Received message with topic zigbee/ffe/sleep/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 21.5, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:51,949
 Finished-Time: 2023-02-15 07:13:53,764
 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/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}

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}'

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

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

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

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}

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

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffe/sleep/main_light/set and payload
↪ b'{"brightness": 128}'

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

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

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

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}

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

Received message with topic videv/ffe/sleep/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffe/sleep/main_light/set and payload
↪ b'{"brightness": 128}'

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

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

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

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'

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: | 2023-02-15 07:13:53,764 |
| Finished-Time: | 2023-02-15 07:13:55,578 |
| 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/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}

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}'

Received message with topic videv/ffe/sleep/main_light/state and payload b'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}

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

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/ffe/sleep/main_light/set and payload
↪ b'{"color_temp": 352}'

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

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

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

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}

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

Received message with topic videv/ffe/sleep/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/ffe/sleep/main_light/set and payload

↪ b'{"color_temp": 352}'

Sending message with topic zigbee/ffe/sleep/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/ffe/sleep/main_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}'

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

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'

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: 2023-02-15 07:13:55,579

Finished-Time: 2023-02-15 07:13:56,789

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/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}

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}'

Received message with topic videv/ffe/sleep/main_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/ffe/sleep/main_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:13:56,790
 Finished-Time: 2023-02-15 07:13:57,697
 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 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/set
 ↳ and payload null

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, "battery": 97}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↳ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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/set and payload 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, "battery": 97}

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/away_mode and payload b'true'

Received message with topic zigbee/ffw/bath/heating_valve and payload

↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

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/set and payload

↪ 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, "battery": 97}

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/away_mode and payload

↪ b'false'

Received message with topic zigbee/ffw/bath/heating_valve and payload

↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:57,698
 Finished-Time: 2023-02-15 07:13:58,604
 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/ffw/bath/heating_valve/set_default_temperature/set
 ↪ and payload null

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/set and payload
 ↪ true

Received message with topic videv/ffw/bath/heating_valve/boost_timer and payload
 ↪ b'900'

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, "battery": 97}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "battery": 97}'

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/set
 ↪ and payload true

Received message with topic videv/ffw/bath/heating_valve/boost_timer and payload b'0'

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, "battery": 97}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:13:58,605
 Finished-Time: 2023-02-15 07:13:59,209
 Time-Consumption 0.604s

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, "battery": 97}

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'18'

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/set
 ↪ and payload null

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, "battery": 97}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: | 2023-02-15 07:13:59,210 |
| Finished-Time: | 2023-02-15 07:14:00,116 |
| Time-Consumption | 0.906s |

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/set
 ↪ and payload null

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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'true'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'false'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:14:00,116

Finished-Time: 2023-02-15 07:14:01,327

Time-Consumption 1.211s

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, "battery": 97}

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'18'

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/set
 ↪ and payload 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, "battery": 97}

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/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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, "battery": 97}

Received message with topic zigbee/ffw/bath/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'18'

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/set
 ↪ and payload 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, "battery": 97}

Received message with topic videv/ffw/bath/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

```
Received message with topic zigbee/ffw/bath/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'
```

```
Received message with topic videv/ffw/bath/heating_valve/user_temperature_setpoint
↳ and payload b'23'
```

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: 2023-02-15 07:14:01,327
Finished-Time: 2023-02-15 07:14:03,140
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/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}
```

```
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}'
```

```
Received message with topic videv/ffw/julian/main_light/state and payload b'true'
```

```
Received message with topic videv/ffw/julian/main_light/brightness and payload b'50'
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5'
```

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}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":  
↪ "on", "brightness": 165.0, "color_temp": 352.0}'
```

```
Received message with topic videv/ffw/julian/main_light/brightness and payload b'65'
```

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/set and payload 50
```

```
Received message with topic zigbee/ffw/julian/main_light/set and payload  
↪ b'{"brightness": 128}'
```

```
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",  
↪ "brightness": 127.0, "color_temp": 352.0}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":  
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
```

```
Received message with topic videv/ffw/julian/main_light/brightness and payload b'50'
```

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}

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↪ "on", "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/ffw/julian/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffw/julian/main_light/set and payload
↪ b'{"brightness": 128}'

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/ffw/julian/main_light/brightness and payload b'50'

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'

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: | 2023-02-15 07:14:03,141 |
| Finished-Time: | 2023-02-15 07:14:04,956 |
| 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/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}

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}'

Received message with topic videv/ffw/julian/main_light/state and payload b'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}

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

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'8'
```

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/set and payload 5
```

```
Received message with topic zigbee/ffw/julian/main_light/set and payload  
↪ b'{"color_temp": 352}'
```

```
Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",  
↪ "brightness": 127.0, "color_temp": 352.0}
```

```
Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":  
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
```

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5'
```

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}
```

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

```
Received message with topic videv/ffw/julian/main_light/color_temp and payload b'8'
```

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/set and payload 5

Received message with topic zigbee/ffw/julian/main_light/set and payload

↪ b'{"color_temp": 352}'

Sending message with topic zigbee/ffw/julian/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/ffw/julian/main_light and payload b'{"state":

↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/ffw/julian/main_light/color_temp and payload b'5'

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'

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: 2023-02-15 07:14:04,956

Finished-Time: 2023-02-15 07:14:06,165

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/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}

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}'

Received message with topic videv/ffw/julian/main_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/ffw/julian/main_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:14:06,166
 Finished-Time: 2023-02-15 07:14:07,980
 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/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}

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}'

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

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

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

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}


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

```
Received message with topic videv/ffw/livingroom/main_light/brightness and payload  
↪ b'65'
```

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/set and payload  
↪ 50
```

```
Received message with topic zigbee/ffw/livingroom/main_light/set and payload  
↪ b '{"brightness": 128}'
```

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

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

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

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}
```

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

```
Received message with topic videv/ffw/livingroom/main_light/brightness and payload  
↪ b'65'
```

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/set and payload
 ↪ 50

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
 ↪ b'{"brightness": 128}'

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

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

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

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'

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: 2023-02-15 07:14:07,980

Finished-Time: 2023-02-15 07:14:09,794

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/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}

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}'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'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}

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

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
↪ b'8'

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/set and payload
↪ 5

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
↪ b'{"color_temp": 352}'

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

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

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

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}

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

Received message with topic videv/ffw/livingroom/main_light/color_temp and payload
↪ b'8'

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/set and payload
↪ 5

Received message with topic zigbee/ffw/livingroom/main_light/set and payload
↪ b'{"color_temp": 352}'

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

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

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

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'

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: 2023-02-15 07:14:09,794
Finished-Time: 2023-02-15 07:14:11,003
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}

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}'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/ffw/livingroom/main_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:14:11,004
 Finished-Time: 2023-02-15 07:14:12,817
 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}

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}'

Received message with topic videv/ffw/sleep/main_light/state and payload b'true'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50'

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}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffw/sleep/main_light/set and payload

↪ b'{"brightness": 128}'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50'

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}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/ffw/sleep/main_light/set and payload

↔ b'{"brightness": 128}'

Sending message with topic zigbee/ffw/sleep/main_light and payload {"state": "on",

↔ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/ffw/sleep/main_light and payload b'{"state": "on",

↔ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/ffw/sleep/main_light/brightness and payload b'50'

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'

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: 2023-02-15 07:14:12,818

Finished-Time: 2023-02-15 07:14:14,029

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}

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}'

Received message with topic videv/ffw/sleep/main_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/ffw/sleep/main_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:14:14,030
 Finished-Time: 2023-02-15 07:14:15,240
 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'

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/set and payload 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'
```

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'
```

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/set and payload 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'
```

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: 2023-02-15 07:14:15,240
 Finished-Time: 2023-02-15 07:14:16,448
 Time-Consumption 1.207s

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 my_apps/gfw/dirk/powerplug/output/1 and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'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/set and payload 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 my_apps/gfw/dirk/powerplug/output/1 and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

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 my_apps/gfw/dirk/powerplug/output/1 and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'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/set and payload 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 my_apps/gfw/dirk/powerplug/output/1 and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

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: 2023-02-15 07:14:16,448
 Finished-Time: 2023-02-15 07:14:17,354
 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 Type is <class 'bool'>).

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 my_apps/gfw/dirk/powerplug/output/1 and payload b'true'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'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 my_apps/gfw/dirk/powerplug/output/1 and payload b'false'

Received message with topic videv/gfw/dirk/amplifier/state and payload b'false'

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: | 2023-02-15 07:14:17,354 |
| Finished-Time: | 2023-02-15 07:14:19,168 |
| 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}

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}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'true'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5'

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}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/gfw/dirk/desk_light/set and payload

↪ b'{"brightness": 128}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",

↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50'

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}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",

↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/gfw/dirk/desk_light/set and payload
 ↪ b'{"brightness": 128}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/brightness and payload b'50'

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'

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: 2023-02-15 07:14:19,169

Finished-Time: 2023-02-15 07:14:20,983

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}

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}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'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}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/dirk/desk_light/set and payload
 ↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5'

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}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/dirk/desk_light/set and payload
↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/dirk/desk_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/desk_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/desk_light/color_temp and payload b'5'

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'

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: 2023-02-15 07:14:20,984
 Finished-Time: 2023-02-15 07:14:22,195
 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}

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}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/gfw/dirk/desk_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:14:22,196
 Finished-Time: 2023-02-15 07:14:23,102
 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/set
 ↪ and payload null

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, "battery": 97}

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
 ↪ and payload b'25'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'

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/set and payload 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, "battery": 97}

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/away_mode and payload b'true'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}
```

```
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/away_mode and payload
↳ b'false'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'
```

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: 2023-02-15 07:14:23,103
Finished-Time: 2023-02-15 07:14:24,009
Time-Consumption 0.906s
```

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/dirk/heating_valve/set_default_temperature/set
↳ and payload null
```

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/set and payload
 ↪ true

Received message with topic videv/gfw/dirk/heating_valve/boost_timer and payload
 ↪ b'900'

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, "battery": 97}

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "battery": 97}'

Received message with topic videv/gfw/dirk/heating_valve/boost_timer and payload
 ↪ b'899'

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/dirk/heating_valve/set_default_temperature/set
 ↪ and payload true

Received message with topic videv/gfw/dirk/heating_valve/boost_timer and payload b'0'

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, "battery": 97}

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
 ↪ and payload b'25'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'

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: | 2023-02-15 07:14:24,010 |
| Finished-Time: | 2023-02-15 07:14:24,613 |
| Time-Consumption | 0.603s |

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, "battery": 97}
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "battery": 97}'
```

```
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/user_temperature_setpoint
↳ and payload b'20'
```

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/set
↳ and payload null
```

```
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, "battery": 97}
```

```
Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
↳ and payload b'25'
```

```
Received message with topic zigbee/gfw/dirk/heating_valve and payload
↳ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'
```

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: | 2023-02-15 07:14:24,613 |
| Finished-Time: | 2023-02-15 07:14:25,520 |
| 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/set
↳ and payload null
```

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/set and payload
↳ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'true'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'false'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:14:25,521
 Finished-Time: 2023-02-15 07:14:26,730
 Time-Consumption 1.209s

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, "battery": 97}

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'20'

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/set
 ↪ and payload 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, "battery": 97}

Received message with topic videv/gfw/dirk/heating_valve/valve_temperature_setpoint
 ↪ and payload b'25'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'

Received message with topic videv/gfw/dirk/heating_valve/user_temperature_setpoint
 ↪ and payload b'25'

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, "battery": 97}

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 20, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'20'

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/set
 ↪ and payload 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, "battery": 97}

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/user_temperature_setpoint
 ↪ and payload b'25'

Received message with topic zigbee/gfw/dirk/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 25, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:14:26,730
 Finished-Time: 2023-02-15 07:14:28,545
 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/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}

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}'

Received message with topic videv/gfw/dirk/main_light/state and payload b'true'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5'

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}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/gfw/dirk/main_light/set and payload
 ↪ b'{"brightness": 128}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50'

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}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
 ↪ "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/gfw/dirk/main_light/set and payload
 ↪ b'{"brightness": 128}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/brightness and payload b'50'

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'

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: | 2023-02-15 07:14:28,545 |
| Finished-Time: | 2023-02-15 07:14:30,359 |
| 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/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}

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}'

Received message with topic videv/gfw/dirk/main_light/state and payload b'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}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/dirk/main_light/set and payload
↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5'

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}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/dirk/main_light/set and payload
↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/dirk/main_light and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/dirk/main_light and payload b'{"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/dirk/main_light/color_temp and payload b'5'

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'

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: | 2023-02-15 07:14:30,360 |
| Finished-Time: | 2023-02-15 07:14:31,571 |
| 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/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}

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}'

Received message with topic videv/gfw/dirk/main_light/state and payload b'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/set and payload 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'

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}

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}'

Received message with topic videv/gfw/dirk/main_light/state and payload b'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/set and payload 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'

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: 2023-02-15 07:14:31,571
 Finished-Time: 2023-02-15 07:14:32,782
 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/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'

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/set and payload 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'

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'

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/set and payload 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'

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: 2023-02-15 07:14:32,783

Finished-Time: 2023-02-15 07:14:34,596

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/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}
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}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'
Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

```

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}
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 165.0, "color_temp": 352.0}'
Received message with topic videv/gfw/floor/main_light/brightness and payload b'65'

```

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/set and payload 50
Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"brightness": 128}'

```

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"brightness": 128}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'

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}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
 ↪ "on", "brightness": 165.0, "color_temp": 352.0}'

Received message with topic videv/gfw/floor/main_light/brightness and payload b'65'

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/set and payload 50

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
 ↪ b'{"brightness": 128}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"brightness": 128}'

```
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'
```

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'
```

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: 2023-02-15 07:14:34,597
Finished-Time: 2023-02-15 07:14:36,410
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/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}

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}

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

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

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}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

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}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 413.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'8'

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/set and payload 5

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↪ b'{"color_temp": 352}'

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

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'

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: 2023-02-15 07:14:36,411

Finished-Time: 2023-02-15 07:14:37,621

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}

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}

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

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

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/set and payload 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'

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}
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}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0}'

```

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/set and payload 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'

```

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: 2023-02-15 07:14:37,622
 Finished-Time: 2023-02-15 07:14:38,830
 Time-Consumption 1.209s

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}
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}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'
  
```

Info Changing master device brightness to '35'

```

Sending message with topic videv/gfw/floor/main_light/brightness/set and payload 35
Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"brightness": 90}'
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 90.0, "color_temp": 352.0}
  
```

```
Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↳ b'{"brightness": 90}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↳ "brightness": 90.0, "color_temp": 352.0}
```

```
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0}'
```

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 90.0, "color_temp": 352.0}'
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'35'
```

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/set and payload 50
```

```
Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↳ b'{"brightness": 128}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↳ "brightness": 127.0, "color_temp": 352.0}
```

```
Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↳ b'{"brightness": 128}'
```

```
Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↳ "brightness": 127.0, "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}'
```

```
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0}'
```

```
Received message with topic videv/gfw/floor/main_light/brightness and payload b'50'
```

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'
```

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: 2023-02-15 07:14:38,831
Finished-Time: 2023-02-15 07:14:40,040
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}

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}

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

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Info Changing master device color temperature to '2'

Sending message with topic videv/gfw/floor/main_light/color_temp/set and payload 2

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
↪ b'{"color_temp": 291}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
↪ b'{"color_temp": 291}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
↪ "brightness": 127.0, "color_temp": 291.0}

Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↪ "on", "brightness": 127.0, "color_temp": 291.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'2'

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/set and payload 5

Received message with topic zigbee/gfw/floor/main_light_1/set and payload
 ↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/floor/main_light_1 and payload {"state": "on",
 ↪ "brightness": 127.0, "color_temp": 352.0}

Received message with topic zigbee/gfw/floor/main_light_2/set and payload
 ↪ b'{"color_temp": 352}'

Sending message with topic zigbee/gfw/floor/main_light_2 and payload {"state": "on",
 ↪ "brightness": 127.0, "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}'

Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
 ↪ "on", "brightness": 127.0, "color_temp": 352.0}'

Received message with topic videv/gfw/floor/main_light/color_temp and payload b'5'

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'

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: 2023-02-15 07:14:40,040
 Finished-Time: 2023-02-15 07:14:40,947
 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}
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}
Received message with topic videv/gfw/floor/main_light/state and payload b'true'
Received message with topic zigbee/gfw/floor/main_light_1 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0}'
Received message with topic zigbee/gfw/floor/main_light_2 and payload b'{"state":
↳ "on", "brightness": 127.0, "color_temp": 352.0}'
  
```

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'

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: 2023-02-15 07:14:40,948

Finished-Time: 2023-02-15 07:14:41,855

Time-Consumption 0.908s

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/set
 ↪ and payload null

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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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/set and payload
 ↪ 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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'18'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

Received message with topic videv/gfw/marion/heating_valve/away_mode and payload
 ↪ b'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/set and payload
 ↪ 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, "battery": 97}

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/away_mode and payload
 ↪ b'false'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: 2023-02-15 07:14:41,856

Finished-Time: 2023-02-15 07:14:42,762

Time-Consumption 0.906s

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/marion/heating_valve/set_default_temperature/set
 ↪ and payload null

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/set and payload
 ↪ true

Received message with topic videv/gfw/marion/heating_valve/boost_timer and payload
 ↪ b'900'

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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'30'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 30, "local_temperature": 20.7, "battery": 97}'

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/marion/heating_valve/set_default_temperature/set
 ↪ and payload true

Received message with topic videv/gfw/marion/heating_valve/boost_timer and payload
 ↪ b'0'

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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: | 2023-02-15 07:14:42,763 |
| Finished-Time: | 2023-02-15 07:14:43,367 |
| Time-Consumption | 0.604s |

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, "battery": 97}

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'

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/user_temperature_setpoint
 ↪ and payload b'18'

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'>)
 ↪ '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/set
 ↪ and payload null

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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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: | 2023-02-15 07:14:43,368 |
| Finished-Time: | 2023-02-15 07:14:44,275 |
| 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 23 and Type is <class 'int'>). |

Testdetails

Info Setting preconditions (Default setpoint)

Sending message with topic videv/gfw/marion/heating_valve/set_default_temperature/set
 ↪ and payload null

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/set and payload
 ↪ 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, "battery": 97}

Received message with topic videv/gfw/marion/heating_valve/valve_temperature_setpoint
 ↪ and payload b'5'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 5, "local_temperature": 20.7, "battery": 97}'

Received message with topic videv/gfw/marion/heating_valve/summer_mode and payload
 ↪ b'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/set and payload
 ↪ 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, "battery": 97}

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/summer_mode and payload
 ↪ b'false'

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'
```

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: 2023-02-15 07:14:44,275
Finished-Time: 2023-02-15 07:14:45,486
Time-Consumption 1.211s
```

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, "battery": 97}
```

```
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'
```

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/user_temperature_setpoint
 ↪ and payload b'18'

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/set and payload 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, "battery": 97}

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/user_temperature_setpoint
 ↪ and payload b'23'

Received message with topic zigbee/gfw/marion/heating_valve and payload
 ↪ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

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, "battery": 97}

```

Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 18, "local_temperature": 20.7, "battery": 97}'
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/user_temperature_setpoint
↳ and payload b'18'

```

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/set and payload 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, "battery": 97}
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/user_temperature_setpoint
↳ and payload b'23'
Received message with topic zigbee/gfw/marion/heating_valve and payload
↳ b'{"current_heating_setpoint": 23, "local_temperature": 20.7, "battery": 97}'

```

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: 2023-02-15 07:14:45,487
 Finished-Time: 2023-02-15 07:14:46,698
 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/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'

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/set and payload 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'
```

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'
```

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/set and payload 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'
```

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: 2023-02-15 07:14:46,698
 Finished-Time: 2023-02-15 07:14:47,909
 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/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/state and payload b'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/set and payload 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/state and payload b'false'

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/state and payload b'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/set and payload 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/state and payload b'false'
```

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'>)
```