H128-T

Wireless Zigbee thermostat for H128-CC zone control

Installation guide

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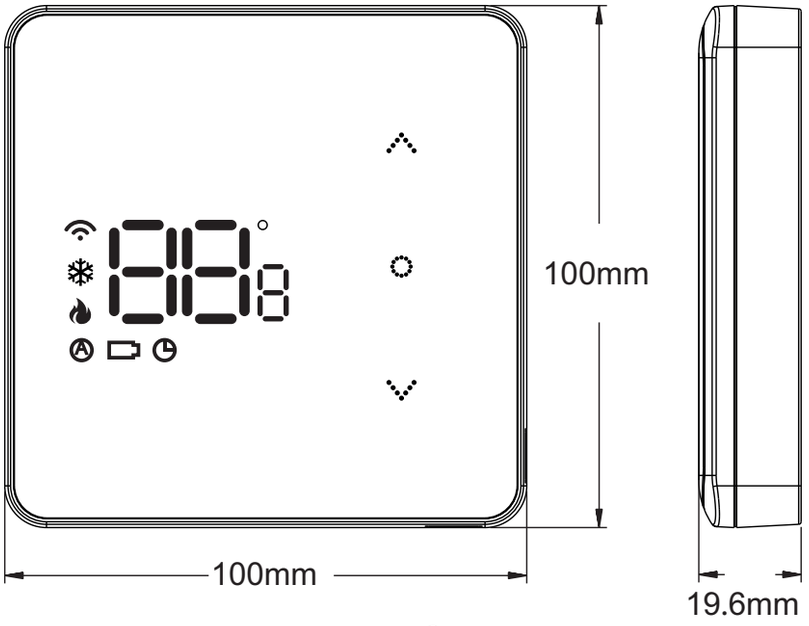
Technical details

Power supply: 2x1.5V AA alkaline batteries (LR6)
Battery life: 1 year
Temperature display: 0~50°C
Temperature setting range: 5~30°C
Accuracy of temperature display: 0.1°
CRF wireless transmission range: 100m outdoors
Zigbee wireless transmission range: 30m outdoors
Dimensions: 100*100*19. 6mm
Storage temp. and humidity : 10~60°C, 25~90% RH (without condensation)
Operating temp. and humidity: 0~50°C, 25~90% RH (without condensation)



Explanation of symbols

(1) Wireless icon. Always on when paired with gateway.
Flashing means disconnection from gateway.

(2) Cooling mode: Flashing means the cooling demand function is active.

(3) Heating mode: Flashing means the heat demand function is active.

(4) Auto-mode

(5) Battery low

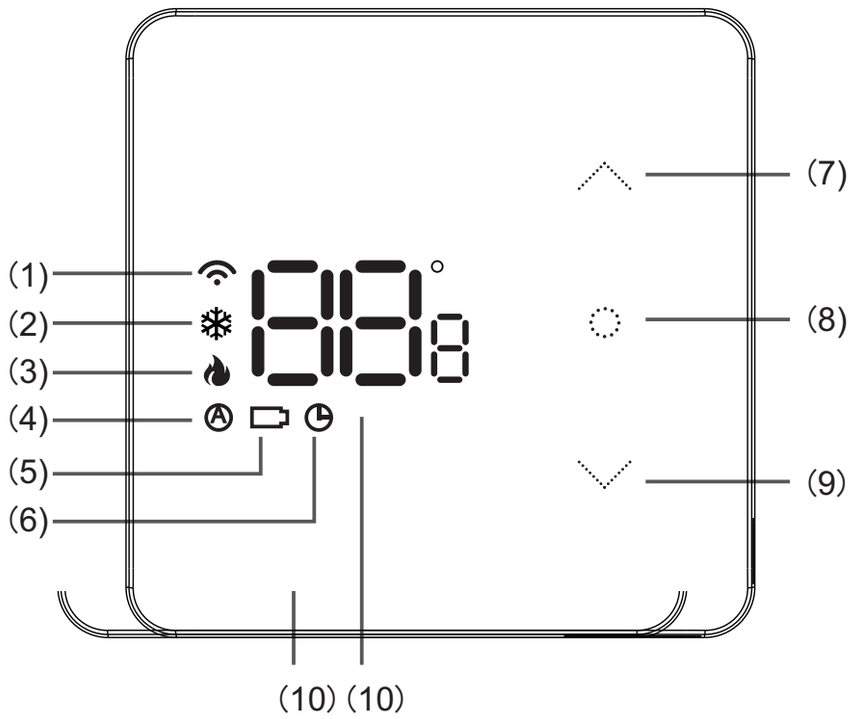
(6) Programme

(7) Up key

(8) On/Off key

(9) Down key

(10) Temperature display



Features

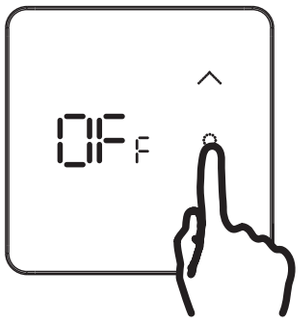
On/Off Function

Press ◌ to take the thermostat out of standby mode.
Press and hold ◌ until the display shows OFF.
Blinking OFF press ◌ again to turn off.

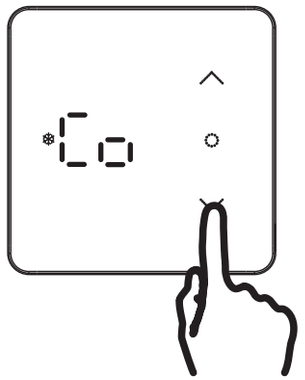
Select mode (only in Thermostat control ON mode)

Only on the master thermostat, mode can be set using the method below. On the slave thermostat, this cannot be done.

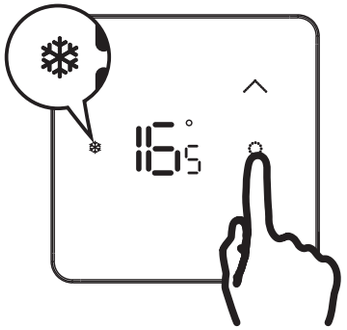
1. Press and hold ◌ until the display shows OFF and flashes.



2. Press ^ or v to select the mode.



3. Press ◌ briefly to confirm the mode (Symbol of selected mode is visible).



Cool mode

Auto mode

Heat mode

ON/OFF button

* If set to 'thermostat control' off, all thermostats are slave thermostats.

Auto changeover (only in Thermostat control ON mode)

Master thermostat automatically adjusts heating/cooling mode based on the set changeover temperature and transfers the mode to the slave thermostats.
Zone 1 on first CC is the Master thermostat. (auto deadband/changeover temperature).

Operation Auto changeover

If switchover/auto deadband is set to 3 and Auto mode temperature to 21 degrees this means:
If the temperature is equal or below 21 degrees then auto heating mode is switched on.
If the temperature is above or equal to 24 degrees then auto cooling mode is switched on.

Key lock

In the main display interface, hold ∧ and ∨ to activate or deactivate the key lock. When activated, the display shows LC.

Frost protection

The thermostat switches the heating on when the room temperature drops to 5°C and switches the heating off when the temperature rises to 8°C. This function can only be activated in heating mode.

Geofencing feature

When no one is at home, the thermostat will turn off the heating to save energy. This function can only be activated via the App.

Holiday mode

Via App, press the 'Away' button to activate when you leave the house for an extended period.

OTA Updates

"Over The Air" software updates.

Low-power alarm

If the thermostat battery is low, the battery symbol is displayed.

NTC function

RO - Room temperature (default setting)
If no floor sensor is present, the unit is controlled by the internal sensor and displayed as room temperature.

FL - Floor temperature control
The thermostat controls via external sensor and displays as room temperature. If the mode is set to Auto mode, it is not recommended to set it to floor temperature control.

All - Dual temperature control
The thermostat checks based on the actual room temperature detected by the internal sensor and compares the floor sensor limit set by parameter 7 (see page 9, 10). If the floor temperature exceeds the limit, the thermostat stops heating. If the floor sensor is not connected in r-F mode, it will display message E2.

Programme settings

1. Turn the thermostat ON.

2. Press ◌ to switch to Auto Program mode. This is possible only if the thermostat is paired with APP/ internet and programme is set.

Auto Programme: Clock symbol on. The thermostat follows the preset schedule.

Temporary Mode: Clock symbol flashes. Auto mode is manually interrupted and switches to Auto mode at the next switching time according to the set schedule.

Manual Mode: Clock symbol is off. Thermostat is set manually.

Standard schedule in cooling mode:

☼											
Morming		Leaving		Back home		Aleaving home		Back home		Night	
6:00	25°C	8:00	28°C	11:00	25°C	14:00	28°C	18:00	25°C	22:00	28°C

Default schedule in heating mode:

☼											
Morming		Leaving		Back home		Leaving home		Back home		Night	
6:00	20°C	8:00	16°C	11:00	20°C	14:00	16°C	18:00	20°C	22:00	16°C

Error messages

Notification	Meaning
E 1	Internal sensor defective.
E2	External sensor defective.
E3	No connection between the thermostat and the Central Controller.

Advanced settings

1. Turn off the thermostat and long press ◌ until CL1 is displayed.
2. Use ∧ or ∨ to select a particular setting.
3. Press ◌ to confirm.
4. Use ∧ or ∨ to adjust the setting.
5. Long press ◌ to save and return to Settings or long press ◌ to return to OFF.
6. If no selection is made within 10 seconds, the thermostat will return to OFF mode.

Factory settings:

1. Turn off the thermostat and long press ◌ until CL1 is displayed.
2. Simultaneously press ∧ and ∨ until DEF is displayed.

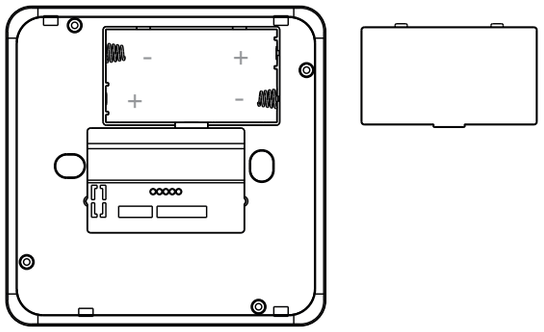
Step	Code	Factory setting	∧ or ∨	Description
1	CL 1	0°C	-6°C — +6°C	Temperature calibration.
2	AH2	35°C	20°C — 50°C	Select the maximum setting temperature range.
3	AL 3	5°C	5°C — 20°C	Select the minimum setting temperature range.

Step	Code	Factory setting	^ or v	Description
4	cHy4	0.5°C	0.3°C — 3°C	**Starting conditions for heating/cooling:** **Heating:** When set temperature ≥ room temperature +0.5°C: Heat demand active.When room temperature ≥ set temperature +0.5°C: No heat demand. **Cooling:** When room temperature ≥ set temperature +0.5°C: Cooling demand active.When set temperature ≥ room temperature +0.5: No cooling demand.
5	AS 5	ON	ON/OFF	Protection against jamming of pump/actuators.
6	SE 6	RO	RO/FL/All	**RO:** Room sensor. **FL:** Floor sensor (Not advised in Auto mode!). **All:** Dual temperature control (Room sensor with floor limit).
7	FH 7	40°C	25 — 70°C	Maximum floor temperature.
8	FA 8	nC	nC / nO	Actuator type: nC : Nomally Closed. nO: Nomally Open.
9	Hd 9	3°C	2°C — 8°C	Changeover temperature (auto deadband) (Master thermostat only).
10	HL 10	22°C	15°C — 25°C	Auto-mode temperature settings (Master thermostat only).

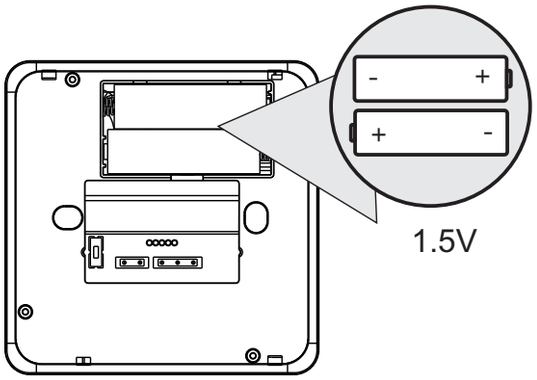
Thermostat installation

Inserting batteries

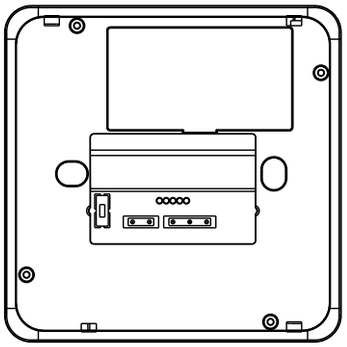
NOTE: Ensure that the batteries are inserted correctly, with the positive (+) and negative (-) polarities matching the indicated symbols.



Remove lid.



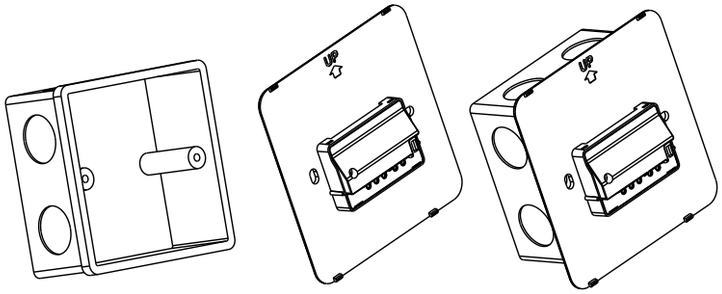
Insert 2x AA batteries.



Replace the lid.

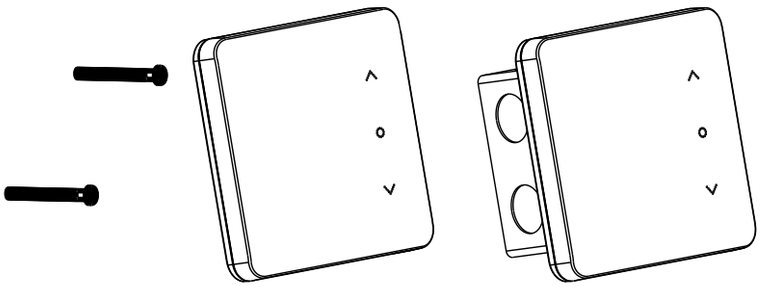
Thermostat mounting

The back plate can be easily fixed to the wall. The thermostat can then be clicked onto the backplate. Alternatively (e.g. when using a floor sensor), the thermostat can also be installed in a flush-mounted box.



1 Mount backplate on wall or recessed box.

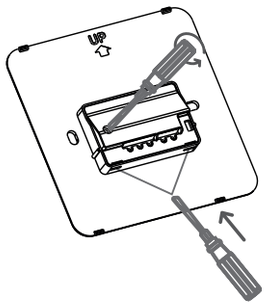
2 Firmly screw down.



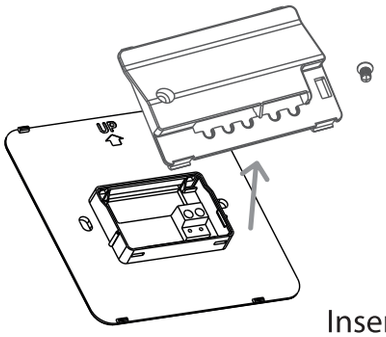
3 Thermostat placement.

Connecting external sensor

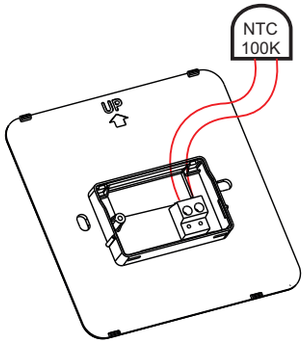
1. Unscrew the cover and snap the cover out of the frame with a screwdriver.



2. Remove the lid.

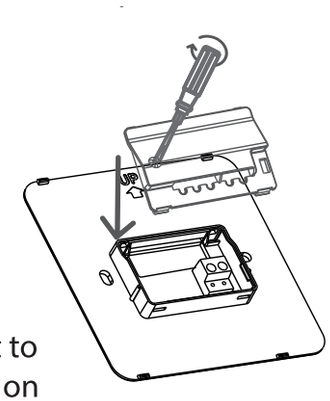


3. Floor sensor installation:



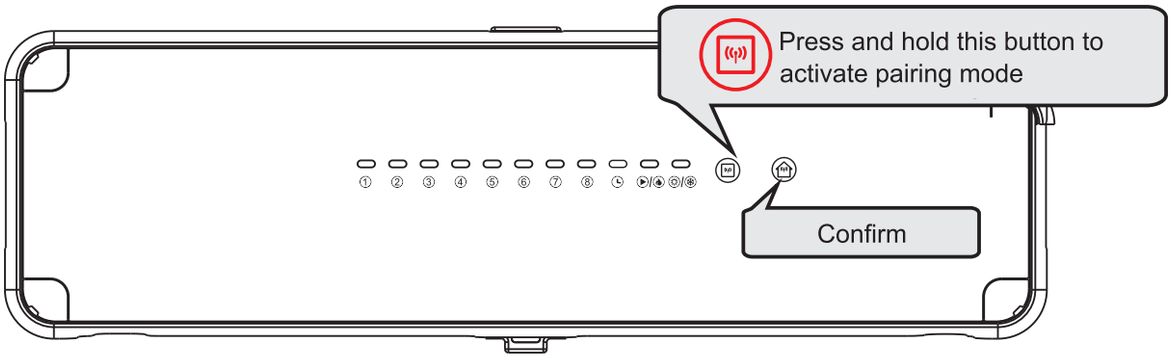
Insert along the top and connect to terminal block. This can be done on any colour. Sensor type: NTC 100K

4. Replace the lid and screw tight.

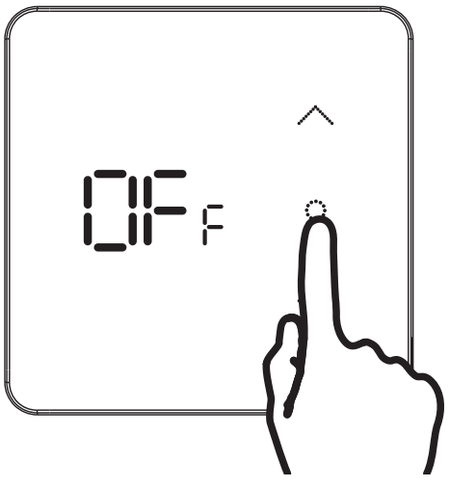


Linking thermostat to Control Center

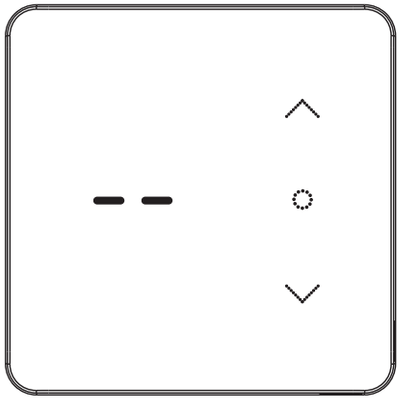
1. Press and hold for 5 sec to start pairing mode. Zone 1 flashes blue.
Press to start pairing, selected zone flashes magenta.
Pairing mode remains active for 5 minutes.To exit pairing mode: press and hold for 5 sec.



2. Put the thermostat in OFF mode.
Press and hold until the display shows OFF.
If OFF is flashing press to confirm.

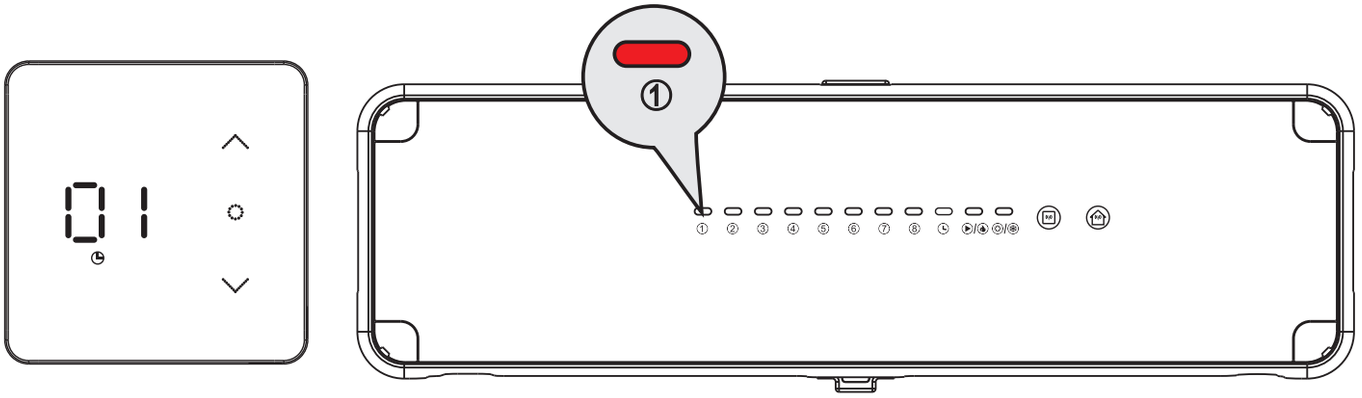


3. Press ⌄ and hold ◌ and until the display shows - -.



4. Make sure the Control centre (CC) is in pairing mode. If not see step 1. After the thermostat is paired, it displays correct zone number. The LED of paired zone turns red.

Linking multiple thermostats: Select zone by pressing , confirm by pressing .
Repeat steps 2 and 3. Is the CC out of pairing mode? Then follow steps 1 to 4.



App for Apple and Android devices

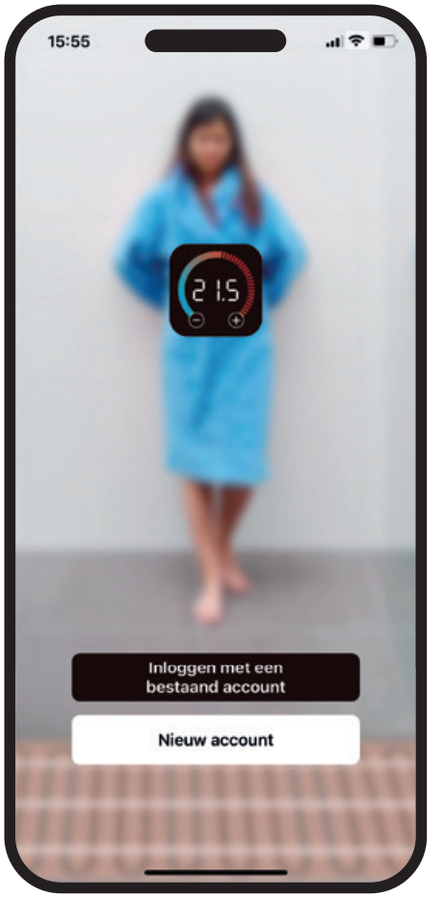
Download the App
Search the App "**HeatLink**" in the App store or Scan the QR code below:

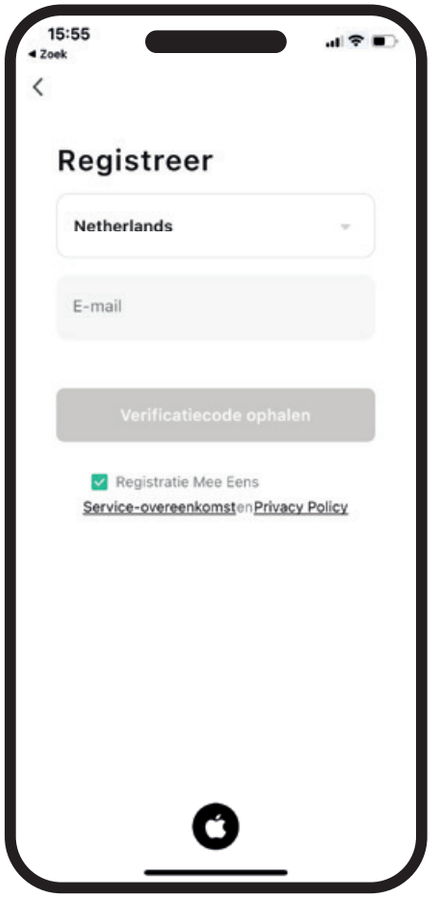
You can also use this system on another already registered Smart Life or Tuya App.

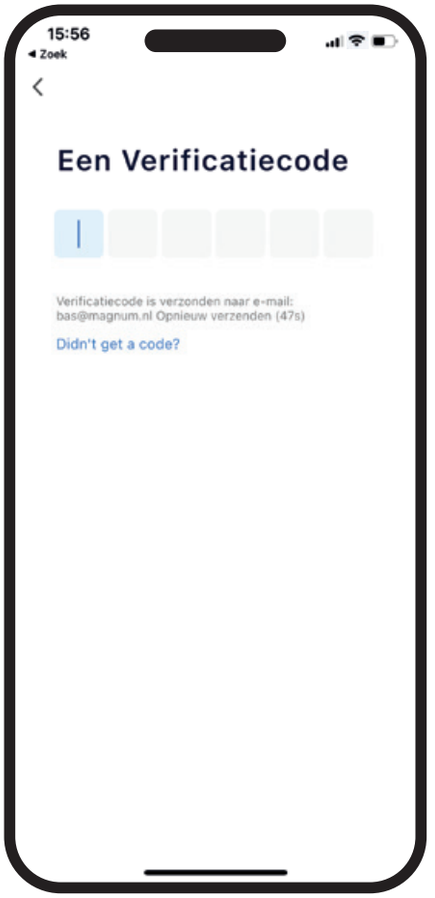
NOTE: This system only works on a **2.4 Ghz** frequency.

Register

After installation, log in with an existing account or create a new account.Select the country and enter your e-mail address. Then click on '**get verification code**'.

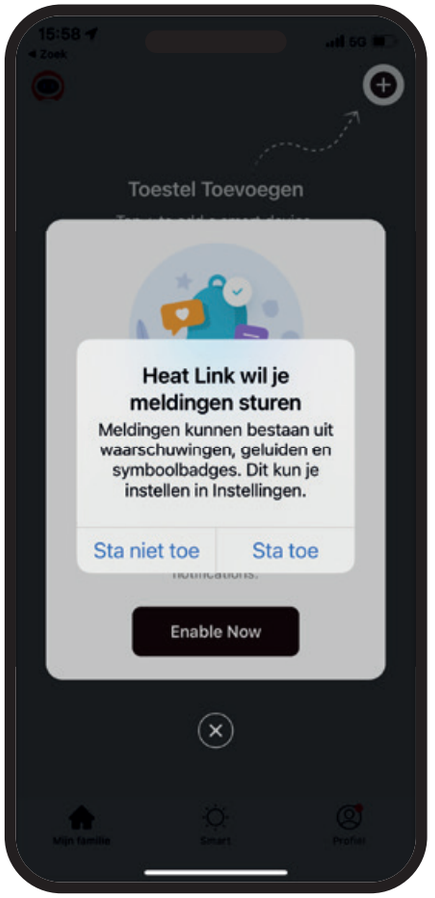






Login

Check your e-mail (including spam folder) and then enter the code. After that, you can set a password. For the system to work properly (for e.g. local weather forecasting and Geofencing options): Allow ‘location data’ and turn on ‘Notifications’.



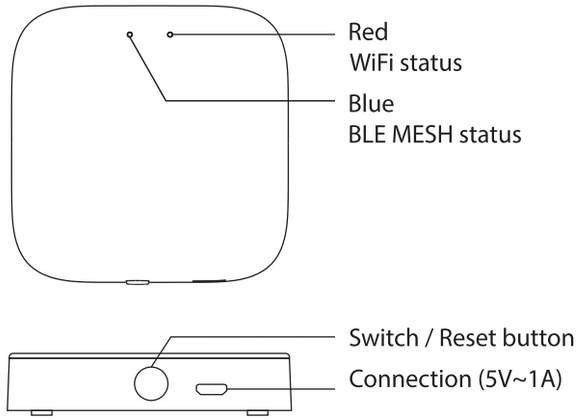
Add gateway

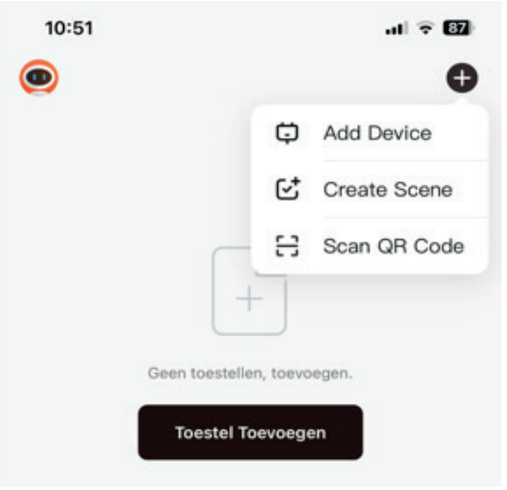
1. Turn on the gateway, check that the red indicators are blinking rapidly. If not, long press the Switch/Reset button to change this.

Note: Your mobile phone must be connected to the same WiFi network as the gateway you are logging into.

2. Go to the app's 'HOME' interface, click the '+' in the top right corner, click Add device.

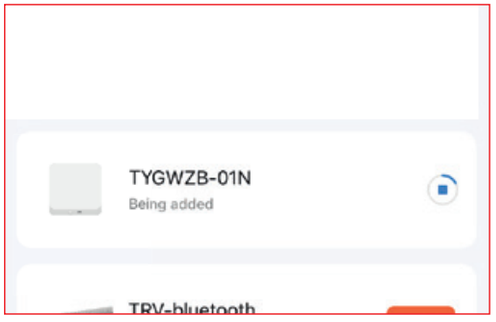
3. Enable your mobile phone's Bluetooth to automatically search for a device. Don't get a pop-up? Then search for gateway control in the list and select 'Multimode Gateway' (BLE+Zigbee) in the right-hand device list.

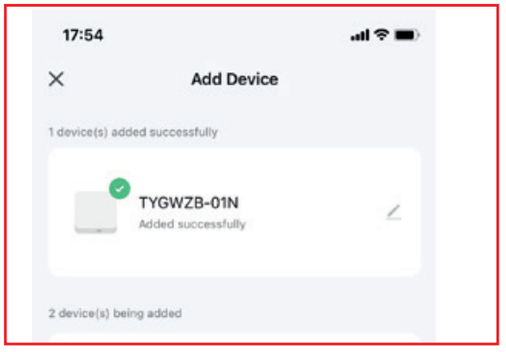




4. Click gateway and enter your WiFi name and password and click ' Confirm ' (Does not support 5G network).

5. After linking, click 'Done'. This means the gateway has been successfully added.



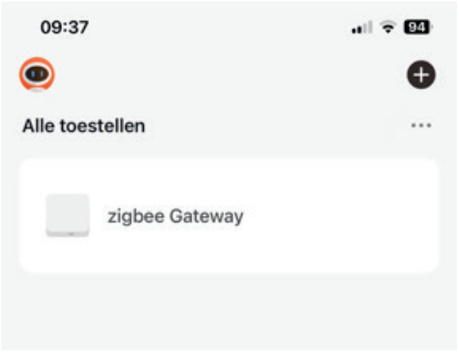


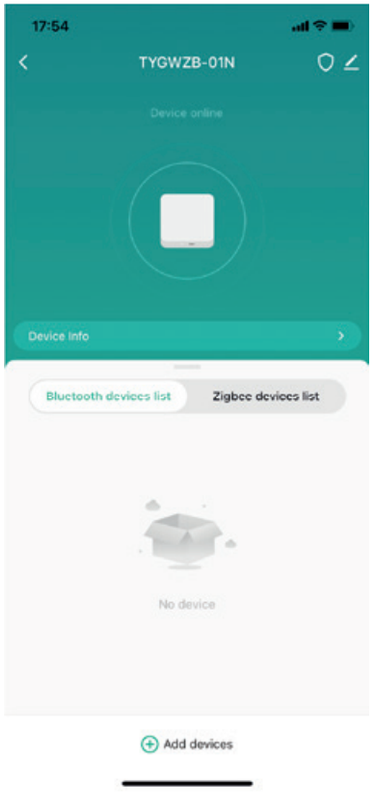
Add thermostat

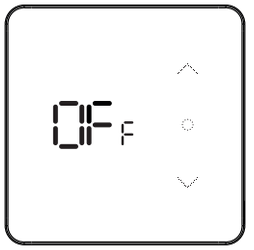
1. Click Gateway to open the settings interface.

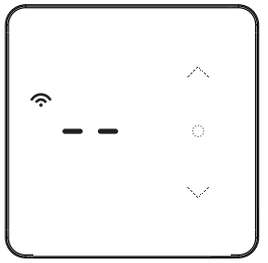
2. Press '+ Add Sub-Device' to add Sub-devices.

3. Make sure the thermostat is in OFF mode.
Press and hold ^ and ◌ until the display shows - - -.







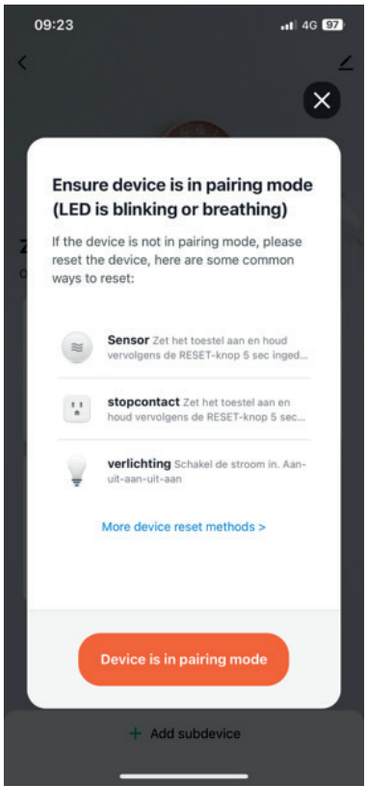


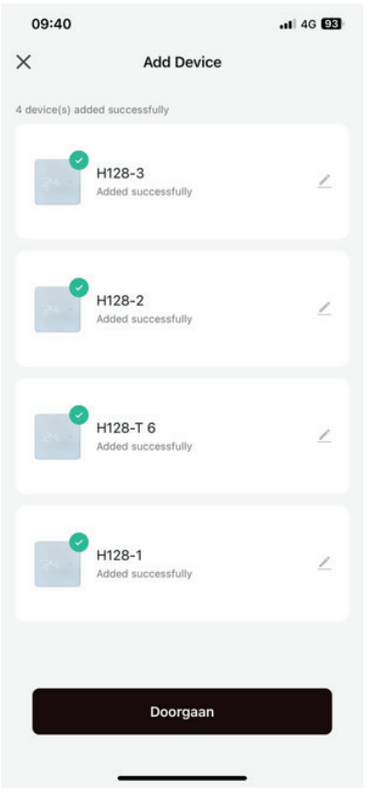
4. Check that the thermostat is in pairing mode and click pair.

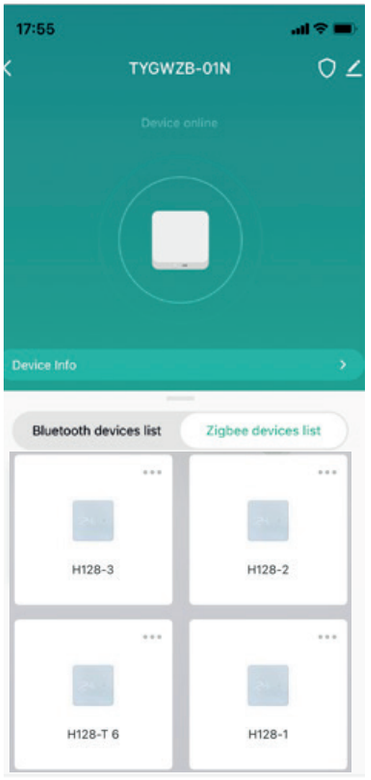
5. Wait for thermostat icon to appear andClick 'done' to complete the process.

NOTE: If you have multiple thermostats, you can continue until all thermostats are paired and then click 'done'.

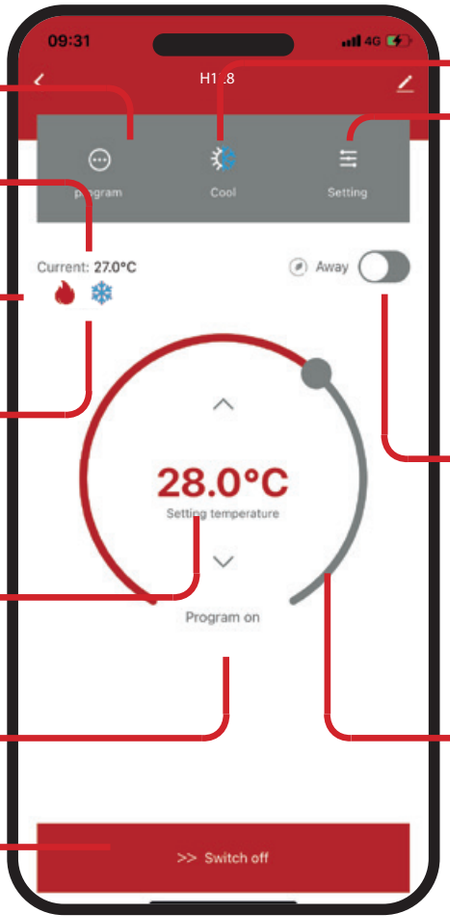
6. Pairing of thermostats has succeeded. Wireless icon will become visible on the thermostat. Now click on 'Continue'. In the Home screen, you will now see all thermostats/ rooms in one overview.







Explanation of symbols (App)



Programming

Current temperature

Grey: In heating mode
Red: Heating up

Grey: In cooling mode
Blue: Cooling mode

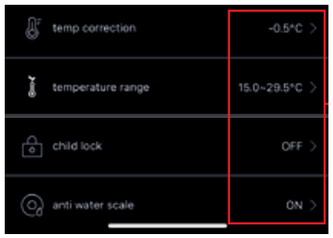
Requested temperature

Selected programme

Slide to turn on or off.

Mode display
(On master thermostat only)

Change settings

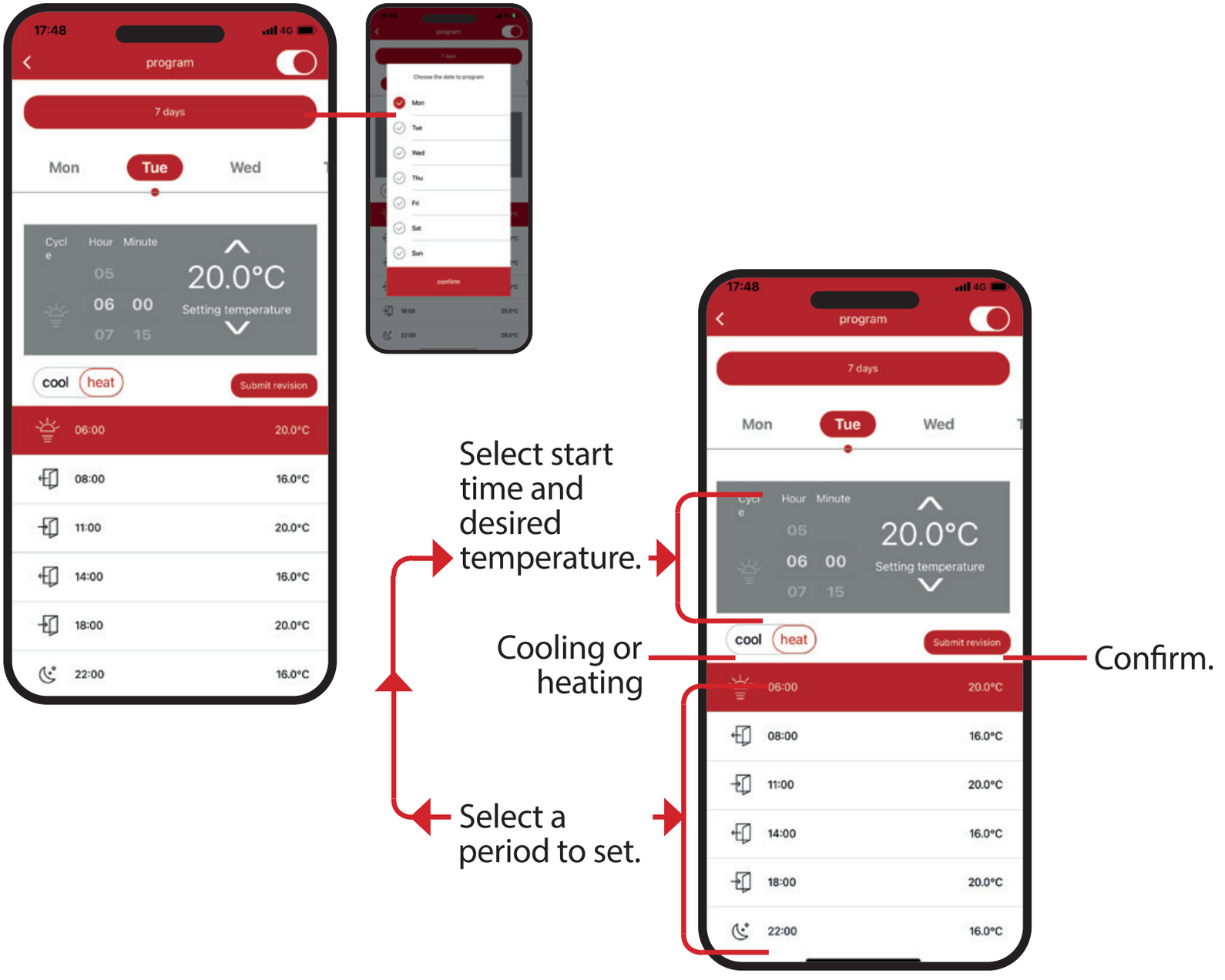


Activate energy-saving mode when temporarily absent (icon turns green). Temperature will remain at 16°C in heating mode and 28°C in cooling mode.

Change temperature: Via the disc or press the arrows.

Set programme

Press ‘7 days’ and select the days where you want to set the same programme. Then choose a switching time first and set the start time and temperature from it. Repeat until all switching times are entered and press ‘Submit revision’.



Holiday mode

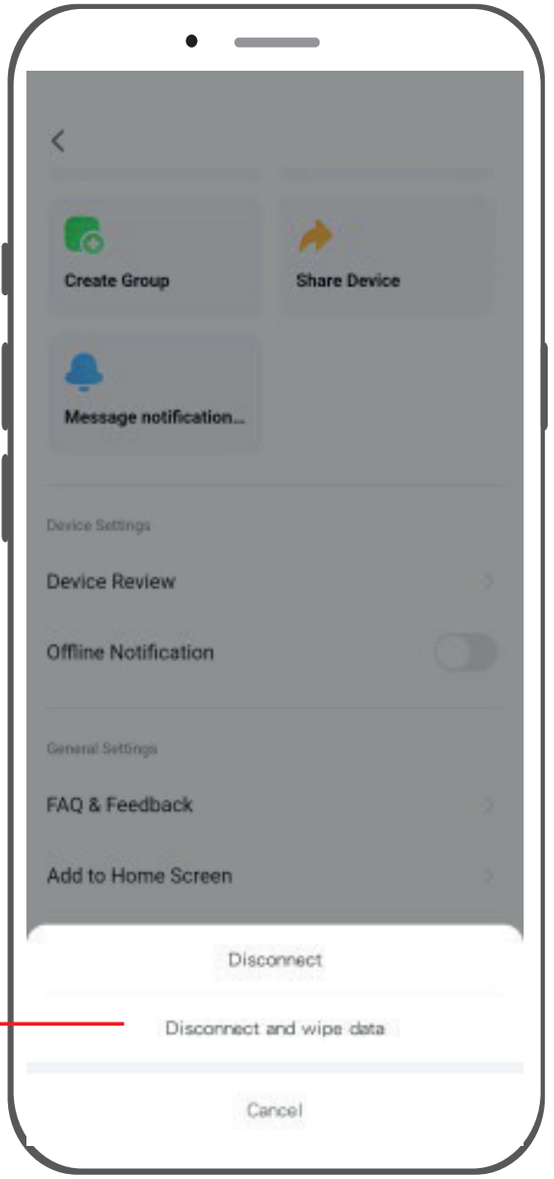
If you are away for longer, click the away button, the temperature will remain at 16°C in heating mode and 28°C in cooling mode, the energy-saving icon will turn green and be on. After returning home, click the button again to restore the previous temperature setting.

Remove thermostat

1. Press the 'edit' icon in the top right corner.

2. Then press: 'Delete device'.

3. Then press: ' Disconnect and delete data'.

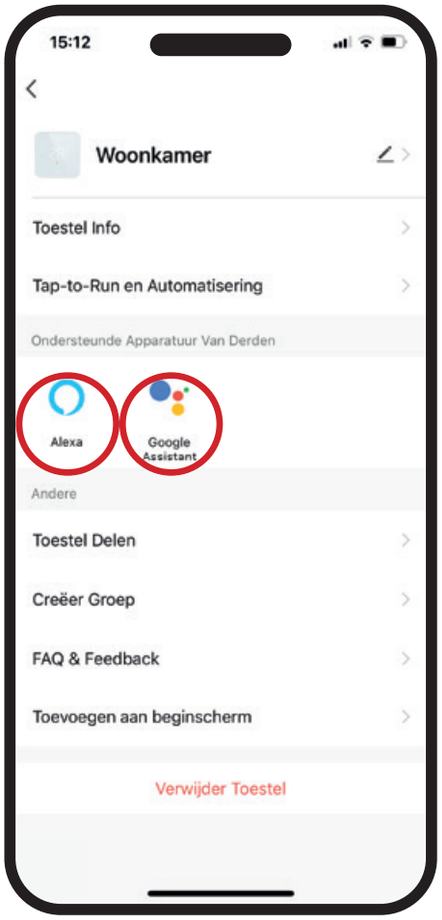


Voice assistant

This system also works with Amazon and Google's voice assistants.

To activate: Press the pencil icon at the top right of the screen.

Choose the relevant system and follow the instructions in the app.



When you turn on the speaker, you can perform the following actions: You can change <name device> itself. The unit of temperature measurement of the thermostat and the speaker must be the same.

Amazon Alexa

- Alexa, open <name device>.
- Alexa, close <name device>.
- Alexa, set <name device> to 16 degrees.
- Alexa, what is the temperature of <name device>?

JUST ASK amazon alexa

Google Assistant

- Hey Google, turn on <name device>.
- Hey Google, turn off <name device>.
- Hey Google, set <name device> to 16 degrees.
- Hey Google, what is the temperature of <name device>?

works with the Google Assistant

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