

Renova - Connected Thermostat Room/Floor 16 A

Device User Guide

Information about features and functionality of the device.

09/2023



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Safety information

Important information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Renova - Connected Thermostat Room/Floor 16 A



WDE011680



WDE011682

For your safety

⚡⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks.
- Connecting several electrical devices.
- Laying electric cables.
- Safety standards, local wiring rules and regulations.

Failure to follow these instructions will result in death or serious injury.

⚡⚠ DANGER

RISK OF FATAL INJURY FROM ELECTRIC SHOCK

The output may carry electric current even when the load is switched off.

- Disconnect the device from the supply by means of the fuse in the incoming circuit before working on the device.

Failure to follow these instructions will result in death or serious injury.

⚡⚠ DANGER

RISK OF FATAL INJURY FROM ELECTRIC SHOCK

The device is not a Safety Extra Low Voltage (SELV) device. The sensor lines are on mains (AC 230 V) line.

- Only use sensors with double insulated cables.

Failure to follow these instructions will result in death or serious injury.

About the device

The Connected Thermostat Room/Floor 16 A (hereinafter referred to as cFMT/thermostat) is mainly used for electric underfloor heating or electric radiators, but could also be used to control mains powered motorized valves or circulating pumps for water-based heating.

Thermostat features

- Measure & control the room temperature.
- Dot-matrix displays.
- Heat/cool changeover.
- Boost mode for ease and comfort.
- Child lock.
- Valve protection.
- Live control, normally open or normally closed.
- Rated power input, smart schedule and control through Wiser app.

Operating elements

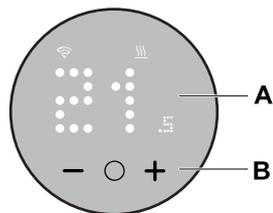
A. Dot-matrix display

- Wireless connectivity LED (📶)
- Heat demand LED (🔥)

TIP: All LED indications are explained in the LED behavior chapter.

B. Touch buttons

- +/-: to increase / decrease the value
- ○: function button



Installing the device

Refer to the installation instruction supplied with this product.
See Connected Thermostat Room/Floor 16 A.

Setting and operating the device manually

As a standalone thermostat, you can set the following settings and operating parameters.

Preset	Configuration	Sensor type selection	Floor calibration setting	Max guard temp. setting	Boost mode
P1	Heat Pump/Oil Boiler	x	x	x	✓
P2	Hydronic Radiator/Gas Boiler	x	x	x	✓
P3	Hydronic Underfloor	x	x	x	✓
P4	Electrical Radiator	x	x	x	✓
P5	Electrical Underfloor (Without floor limits)	x	x	x	✓
P6	Electrical Underfloor (With floor limits)	✓	✓	✓	✓
P7	Hydronic Underfloor	✓	✓	✓	✓
P8	Electrical Underfloor	✓	✓	✓	✓
P9	Regulator Mode (output displayed is based on percentage)	x	x	x	✓

Sensor type selection, page 11

Floor calibration setting, page 11

Max guard temp. setting, page 11

Boost mode, page 13

Device presetting

You can preset the thermostat on the first power-on or immediately after a factory reset. The thermostat will require the selection of a preset to pre-configure settings depending on what the thermostat is directly controlling, which allows the thermostat to function correctly for the intended use case. Preset selection is a manual process and all preset uses a PI* control algorithm which provides highly stable results.

*PI (Proportional and Integral) controller is a commonly used method in control systems to correct for error between the commanded setpoint and the actual value based on some type of feedback

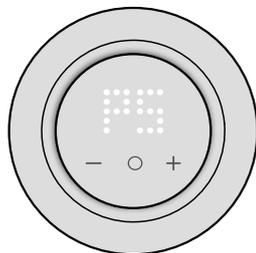
You can choose one preset configuration:

Preset	Configuration	Control type / Set point range	Cycle time* (min)
P1	Heat Pump/Oil Boiler	Room Control 4°C ~ 30°C	20
P2	Hydronic Radiator/Gas Boiler		10
P3	Hydronic Underfloor		10
P4	Electrical Radiator		10
P5	Electrical Underfloor (Without floor limits)		10
P6	Electrical Underfloor (With floor limits)		10
P7	Hydronic Underfloor	Floor Control 10°C ~ 40°C	10
P8	Electrical Underfloor		10
P9	Regulator Mode (output displayed is based on percentage)	Floor Control 0 ~ 10 (0% ~ 100%)	30

****Cycle time:** This setting determines the length of each on/off cycle of the output relay. In a cycle time, the time interval between relay cycle is based on the demand setpoint. A longer cycle time may be more appropriate for slow heating surfaces, such as a concrete floor. A short cycle time is more appropriate for faster heating surfaces, such as an electric panel heater.

Initial preset configuration (by default)

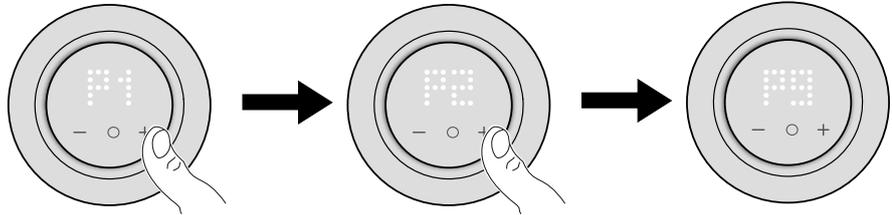
When the thermostat is first powered on or immediately after a factory reset, by default **"P5"** flashes on the matrix LED's if there is no external sensor connected, or **"P8"** if there is any external sensor connected.



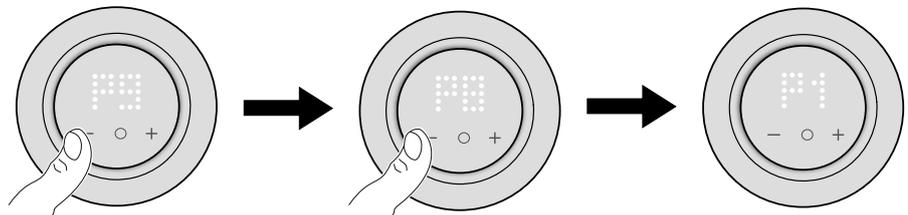
Modifying the preset value

To modify the preset from default value, simultaneously press "O" and "+" for 10 s to enter advanced settings menu. Then press + button on the thermostat, it increases the preset value by 1 and when – button is pressed, it decreases the preset value by 1.

For example, when + button is pressed, preset P1 becomes P2, continue to press the + button, and the preset changes to P3, P4...P9.



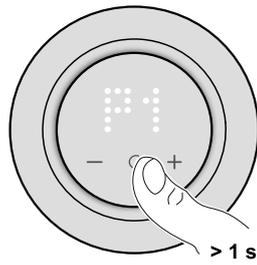
Similarly, when – button is pressed, preset P9 changes to P8, continue to press the – button, preset changes to P7, P6...P1.



Confirming the preset

Select the preset that meets your needs using the +/- buttons, and then hold the **O** for > 1 s to confirm the selection.

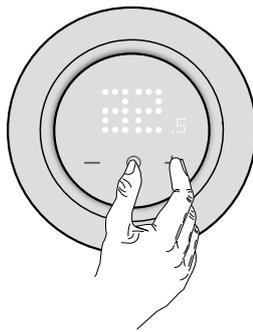
For **example**, P1 is confirmed.



- Cycle Time : 20 mins
- Valve Protection : Off

If the preset value of P6, P7 or P8 is set and the thermostat is connected with an external floor sensor then you need to set the sensor type. Refer manual sensor settings, page 11.

NOTE: After configuring the thermostat, if you want to change or modify the preset or sensor setting, press **O** and **+** button simultaneously to enter preset selection and continue the process.



Manual sensor settings

A thermostat with a preset value of **P6** to **P8** can be connected with an external floor sensor to increase the user's experience in regulating the temperature.

NOTE: Once the preset is chosen, press **O** button for 1 second to confirm. Then the device continues to the sensor setting in the below sequence. For more info on preset, refer device presetting, page 8

Selecting floor sensor type

After preset, you will enter floor sensor selection menu where you can manually select the sensor type connected to the thermostat after setting the preset; this allows the thermostat to convert and display the temperature accurately.

To select the floor sensor type:

1. Once you enter the selection menu, "10" will be displayed on the thermostat dot matrix. Press **+** or **-** touch button on the device to switch between the sensor types.

Following are the available sensor type:

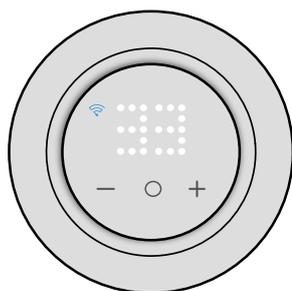
- **10** kOhm
- **12** kOhm
- **15** kOhm
- **33** kOhm
- **47** kOhm

TIP: When **+** button is pressed, sensor type 10 becomes 12, continue to press the **+** button, and the type changes to 15, 33, and 47.

When **-** button is pressed, sensor type 47 becomes 33, continue to press the **-** button, and the type changes to 15, 12, and 10.

2. Select the sensor type which is installed and then press the **O** touch button for > 1 s to confirm the selection.

The thermostat dot-matrix display the sensor type and  LED flashes blue.



Setting temperature calibration

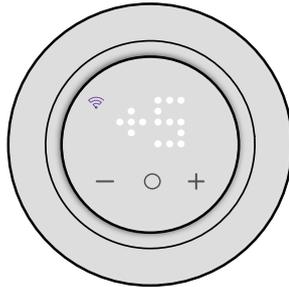
After selecting the floor sensor type, you must set the calibration value (offset value) of the sensor in order to minimize any variation in temperature measurement.

To set temperature calibration:

1. Press **+** or **-** touch button on the device to set the calibration value between.

NOTE: The temperature calibration ranges from **-9°C** to **+9°C** and can be adjusted in 0.5°C increments.
2. Set the calibration value, press the **O** touch button for > 1 s to confirm the selection.

The thermostat dot-matrix display calibration value and  LED flashes purple.



Setting maximum guard temperature

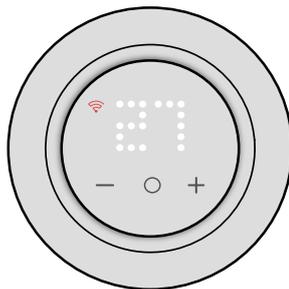
After setting temperature calibration, you must set the maximum guard temperature. It is upper limit of the floor sensor. Minimum guard temperature can only be set through Wiser app.

To set maximum guard temperature:

1. Press **+** or **-** touch button on the device to set the maximum limit.

NOTE: The temperature limit ranges from **11°C** to **40°C**.
2. Set the value, press the **O** touch button for > 1 s to confirm the selection.

The thermostat dot-matrix display calibration value and  LED flashes red.



IMPORTANT:

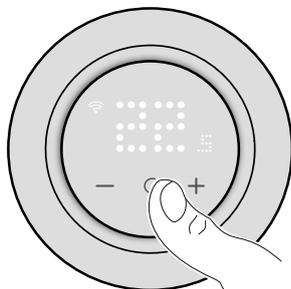
- If you want to update the sensor settings manually after setting up the device, Press **O** and **+** button simultaneously to enter preset selection and press **O** to confirm preset and enter sensor setting.
- You can also perform a factory reset to remove all settings and configure the thermostat newly. Refer [resetting the device](#), page 46.
- It is possible to modify or update sensor settings without resetting the thermostat with the Wiser app. Refer [app settings](#), page 21

Setting boost mode manually

You can enable and disable boost mode manually.
When enabled the temperature increases by 2° C for temperature control modes (P1 to P8) and by +2 for regulator mode (P9) over the setpoint.

To enable boost mode:

1. Press **O** button once to enter boost menu.



+1 flashes on thermostat matrix.

2. Use +/- button to navigate between the boost hours from **+1** to **+3**.

After selecting the boost hours, thermostat will save and exit boost mode if there is no interaction within 5 s.

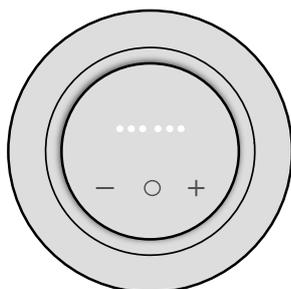
For example:

If current setpoint is 12° C and you enable boost mode by selecting +3. The boost mode will set the setpoint temperature to 14° C for next 3 hours. After 3 hours setpoint will return to 12° C.

To disable boost mode:

1. Press **O** button once.
+1 flashes on thermostat matrix.
2. Press **+** button for thermostat to display **--** (boost cancel).

After selecting the boost cancel, thermostat will save and exit boost mode if there is no interaction within 5 s.

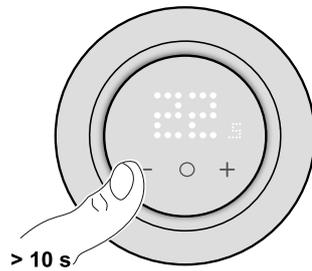


Turning on/off the device manually

When thermostat is not in use, you can turn on/off the device manually

NOTE: Make sure to disable childlock before turning off the device.

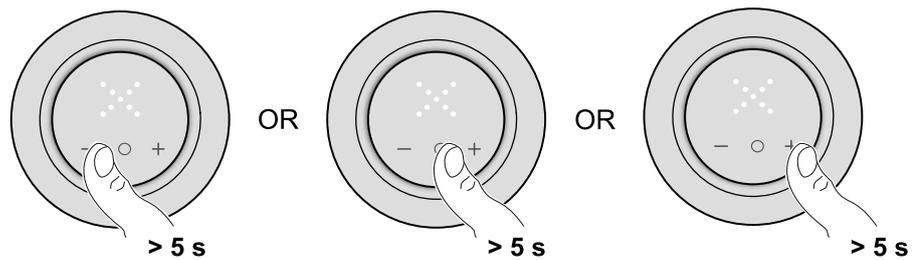
Press **-** for > 10 s to turn off.



When thermostat is fully off:

- LED displays no room temperature
- Does not control room temperature
- Outputs remain off
- On initial interaction, the device shows an "X" on the display to show that it is off.

Wake the thermostat by pressing **-/O/+** once, thermostat matrix display **X** and then press **-/O/+** button for > 5 s to turn.



When the thermostat is turned on, it returns to its last state.

Pairing the device

Using the Wiser app, pair your thermostat with the **Gateway/Hub** to access and control it. You can either pair the device manually or do an auto-scan.

Pairing device manually

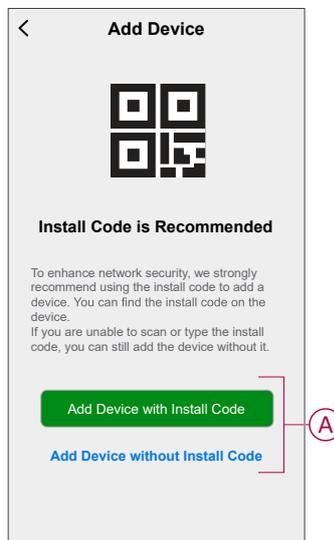
The device can be paired manually by scanning the installed code or entering it manually during pairing.

1. On the **Home** page, tap **+**.

2. Tap  and select the required **Wiser HUB** on the slide-up menu.

3. Select an option to add the device (A):

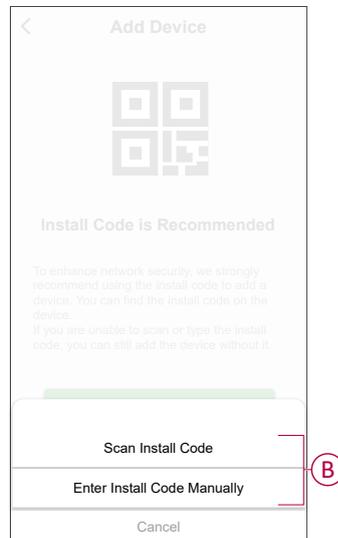
- **Add Device with Install Code**
- **Add Device without Install Code**



TIP: It is highly recommended to add the device with Install code.

4. To pair the device with an install code, tap **Add Device with Install Code** to display the slide-up menu. Select any one of the options (B):
 - **Scan Install Code** - you can scan the device for the install code.
 - **Enter Install Code Manually** - you can manually enter the install code from the device.

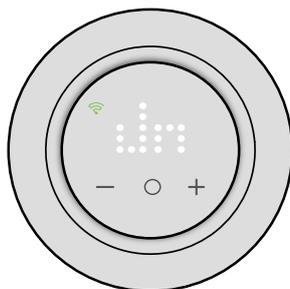
After pairing the device with install code, proceed to **Step 6**.



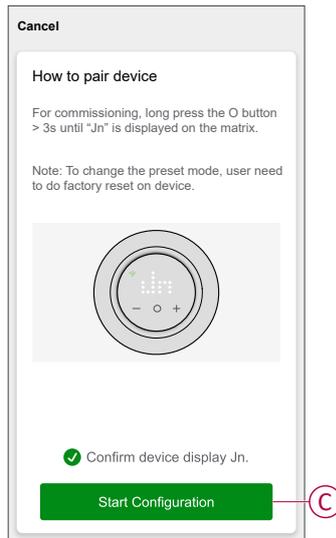
5. To pair the device without install code, tap **Add Device without Install Code**.
6. Long press the **O** button until **Jn** is displayed and then release the button to initiate joining.

NOTE: If you have already paired your thermostat, and want to change the preset mode during the current pairing process, you will need to perform a factory reset. Otherwise, the thermostat will be paired with the previous preset mode. Refer [resetting the device](#), page 46.

"Jn" will flash on the matrix.



7. In the app, tap **Confirm device display Jn** and then tap **Start Configuration** (C).



8. Wait for a few seconds until the wireless  LED on the thermostat turns green.
9. After the device is added in the app, assign a room to enable settings and then tap **Done**.

NOTE:

- Assigning a room, creates a group to control the thermostats, refer using the device.
- Refer changing the device location to assign a room to the thermostat, if you did not assign the room at **Step 9**.

Pairing device with auto scan

Pairing the device with auto scan automatically discovers the device when it is powered on.

1. On the **Home** page, tap **+**.
2. Tap **Auto scan > Confirm**.
3. Enable permissions to **Access location** and **Wi-Fi** for scanning device and tap **Start scanning**.

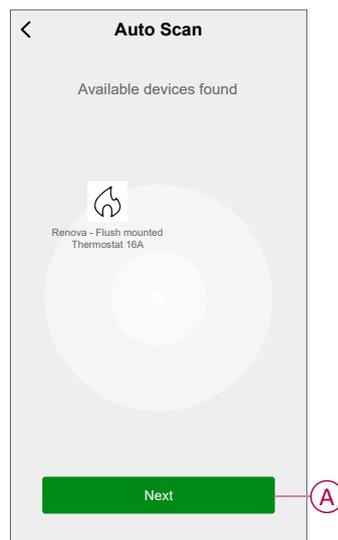
NOTE: If you have multiple hubs, do Step 4 or proceed to Step 5.

4. Tap **Select hub** and select the **Wiser HUB** from the slide-up menu.
5. Long press the **O** button until 'Jn' is displayed and then release the button to initiate joining.

NOTE: If you have already paired your thermostat, and want to change the preset mode during the current pairing process, you will need to perform a factory reset. Otherwise, the thermostat will be paired with the previous preset mode. Refer [resetting the device](#), page 46.

TIP: If you want to pair multiple devices at once, perform step 5 on each device and wait for a few seconds.

6. Wait for a few seconds until the device search is complete, than tap **Next (A)** and select **Thermostat 16 A**.



7. Once the device is paired successfully, assign a room to enable settings and than tap **Done**.

NOTE:

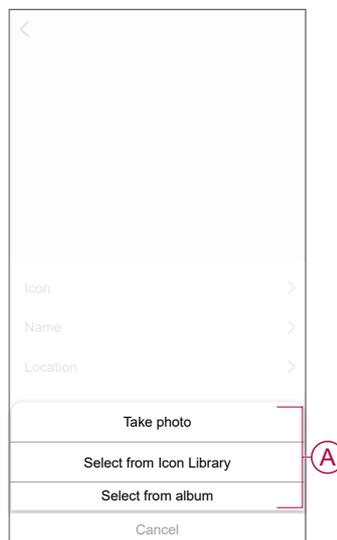
- Assigning a room, creates a group to control the thermostats, refer using the device.
- Refer [changing the device location](#) to assign a room to the thermostat, if you did not assign the room at **Step 7**.

Configuring the device

Changing the device icon

You can change the device icon using the Wiser app.

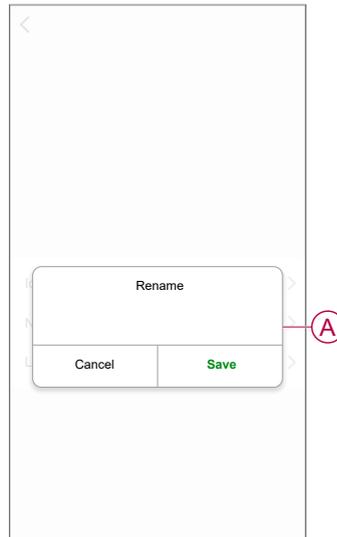
1. On the **Home** page, select the device for which you wish to change the icon.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Icon** to view the menu.
5. In the slide-up menu, select any one of the following (A) to change the device icon:
 - **Take photo** - allows you to take a photo with your device camera.
 - **Select from Icon Library** - allows you to select an icon from the app library.
 - **Select from Album** - allows you to select a photo from the mobile gallery.



Renaming the device

You can rename the device using the Wiser app.

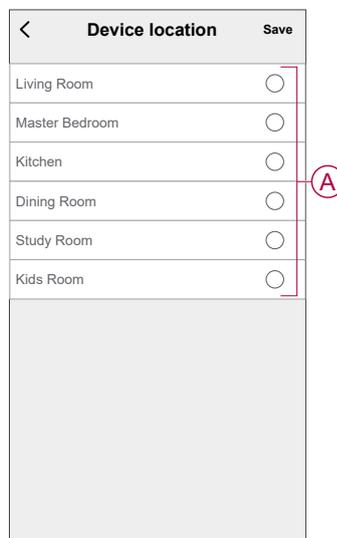
1. On the **Home** page, select the device for which you wish to rename.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Name**, enter the new name (A) and then tap **Save**.



Changing the device location

You can change the device location using the Wiser app.

1. On the **Home** page, select the device for which you wish to change the location.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Location**.
5. Select the desired location from the list (A) and then tap **Save**.



Managing device settings using Wiser app

Using the Wiser app, you can manage the thermostat settings.

To access the settings:

1. On the **Home** page, tap **All devices > Thermostat**.
2. On the device control panel page, tap **Settings**.

All setting option in the Wiser app is based on the preset value set during pairing process.

Pre-set	Valve protection	Air calibration setting	Sensor type selection	Floor calibration setting	Max/Min guard temp. setting	Child lock	Rated power value	Screen brightness settings
P1	✓	✓	x	x	x	✓	x	✓
P2	✓	✓	x	x	x	✓	x	✓
P3	✓	✓	✓	✓	✓	✓	x	✓
P4	x	✓	x	x	x	✓	✓	✓
P5	x	✓	✓	✓	✓	✓	✓	✓
P6	x	✓	✓	✓	✓	✓	✓	✓
P7	✓	x	✓	✓	✓	✓	x	✓
P8	x	x	✓	✓	✓	✓	✓	✓
P9	x	x	x	x	x	✓	✓	✓

Valve protection, page 24

Air calibration setting, page 23

Sensor type selection, page 23

Floor calibration setting, page 23

Max/Min guard temp. setting, page 23

Child lock, page 26

Rated power value, page 25

Screen brightness settings, page 27

Below are the setting interface based on preset:

P1 and P2

Settings	
Sensors Settings	
Temperature Detection	Air Temperature
Temperature Calibration	+0.1 °C
Valve Protection Settings	
Valve Protection	<input type="checkbox"/>
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

P3

Settings	
Sensors Settings	
Temperature Detection	Air Temperature
Temperature Calibration	-9.0 °C
Temperature Detection	
Temperature Detection	Floor Temperature
Floor Sensor Type	- K
Temperature Calibration	0.0 °C
Max Guard Temperature	30°C
Min Guard Temperature	10°C
Valve Protection Settings	
Valve Protection	<input type="checkbox"/>
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

P4

Settings	
Sensors Settings	
Temperature Detection	Air Temperature
Temperature Calibration	+0.1 °C
Rated Power Settings	
Rated Power Value	0 W
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

P5 and P6

Settings	
Sensors Settings	
Temperature Detection	Air Temperature
Temperature Calibration	-9.0 °C
Temperature Detection	
Temperature Detection	Floor Temperature
Floor Sensor Type	- K
Temperature Calibration	0.0 °C
Max Guard Temperature	30°C
Min Guard Temperature	10°C
Rated Power Settings	
Rated Power Value	0 W
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

P7

Settings	
Sensors Settings	
Temperature Detection	Floor Temperature
Floor Sensor Type	10K
Temperature Calibration	0.0 °C
Max Guard Temperature	40°C
Min Guard Temperature	10°C
Valve Protection Settings	
Valve Protection	<input type="checkbox"/>
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

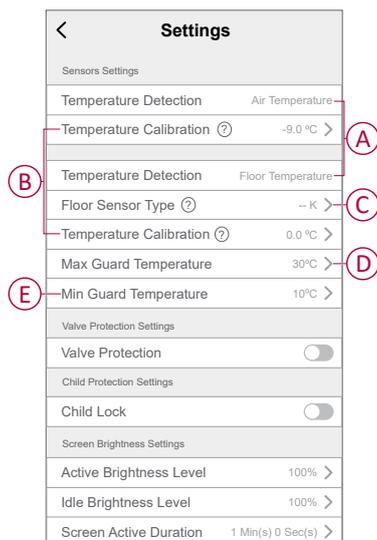
P8

Settings	
Sensors Settings	
Temperature Detection	Floor Temperature
Floor Sensor Type	10K
Temperature Calibration	0.0 °C
Max Guard Temperature	40°C
Min Guard Temperature	10°C
Rated Power Settings	
Rated Power Value	0 W
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	100%
Idle Brightness Level	100%
Screen Active Duration	1 Min(s) 0 Sec(s)

P9

Settings	
Rated Power Settings	
Rated Power Value	0 W
Child Protection Settings	
Child Lock	<input type="checkbox"/>
Screen Brightness Settings	
Active Brightness Level	0%
Idle Brightness Level	0%
Screen Active Duration	0 Min(s) 5 Sec(s)

Sensors settings



Temperature detection

You can check the sensor type (A) under temperature detection, based on your preset.

Air Temperature: for preset P1 to P6.

Floor Temperature: for preset P7 to P8.

NOTE: Sensor settings are not available for regulator mode (P9).

Temperature calibration

To set the temperature calibration:

1. Tap **Temperature Calibration** (B) for a slide-up menu.
2. Drag the sliding bar or use **-/+** button to set the temperature calibration.

NOTE: The temperature calibration ranges from -9°C to +9°C and can be adjusted in 0.1°C increments.

3. Tap **Save**.

Floor sensor type

To select the floor sensor type:

1. Tap **Floor Sensor Type** (C) for slide up menu.
2. Select the sensor type (kOhm) from the following list.

- **10K**
- **12K**
- **15K**
- **33K**
- **47K**

NOTE: Select correct floor sensor type which is installed and then you can set calibration and guard temperature.

Guard temperature

To set the maximum and minimum guard temperature:

- On setting page, tap **Max Guard Temperature** (D) to set upper temperature limit of the floor sensor and then tap **Save**.

NOTE: The temperature ranges form 21°C to 40°C and maximum guard temperature should be higher than minimum guard temperature

- Tap **Min Guard Temperature** (E) to set lower temperature limit of the floor sensor and then tap **Save**.

NOTE: The temperature ranges form 5°C to 19°C and minimum guard temperature should be lower than maximum guard temperature

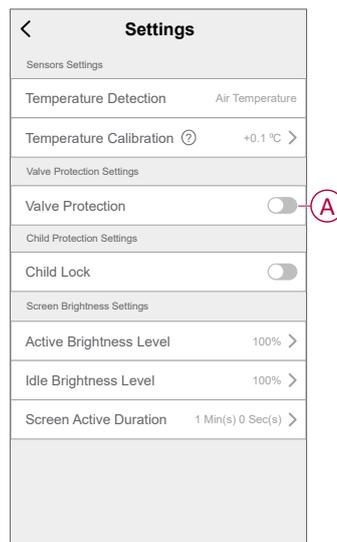
Valve protection settings

Hydronic underfloor heating and boiler connections require valves and protection, while electric underfloor heating does not use valves. This feature can only be used in hydronic applications.

Valve protection

The valve protection can be enabled or disabled by tapping the toggle switch (A) on the valve protection setting.

NOTE: Activate output every two weeks to prevent valve calcification. It only supports Enable/Disable feature.



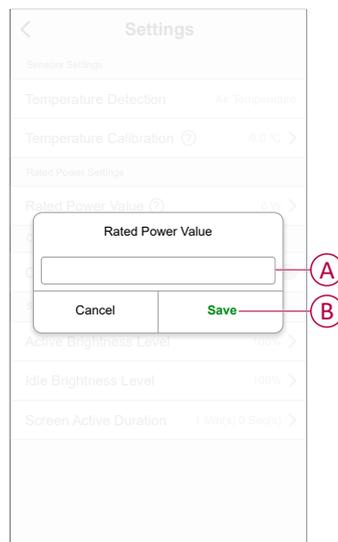
Rated power settings

The thermostat does not include any hardware to monitor the power output of the heating load. To provide power monitoring functionality, the rated power value (W) of the connected heating load needs to be entered in the app. You can view the power consumption (W) on the app.

Rated power value

To monitor instant power value information in the app:

- Tap **Rated Power Value**
- On the pop-up menu enter the rated power value (A) and then tap **Save** (B).

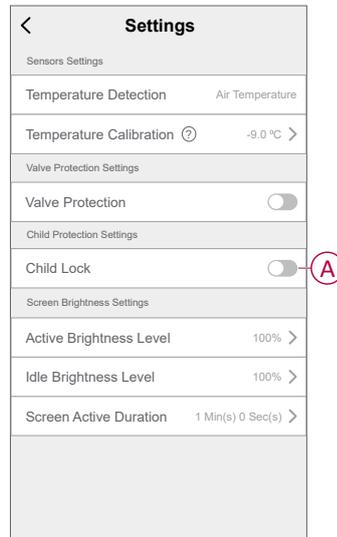


Child lock settings

The child lock helps to prevent children from operating the thermostat. When the Child Lock is enabled, thermostat can be operated only using the app.

To enable/disable the child lock:

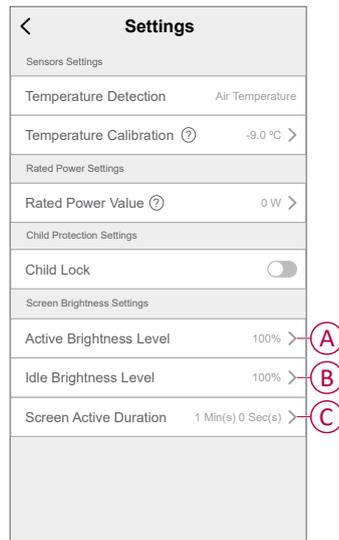
1. On the **Home** page, tap **All devices** > **Thermostat**.
2. Tap **Settings**.
3. Tap the **toggle switch (A)** to enable/disable the **Child Lock** settings.



NOTE: By enabling the child lock, thermostat can only be controlled using the app and not change the temperature setpoint value using physical device.

Screen brightness settings

You can increase/decrease the LED brightness on the thermostat using the app.



Active brightness level

You can configure the brightness of the LEDs when the thermostat is active (during interaction):

1. Tap **Active Brightness Level (A)**.
2. On the slide up menu, adjust the desired brightness level then tap **Save**.

NOTE:

- Default active screen brightness is 100%
- The screen brightness range is 1%~100%, and the setting accuracy is 1%.

Idle brightness level

You can configure the brightness of the LEDs when thermostat is inactive (after time-out of screen active brightness).

1. Tap **Idle Brightness Level (B)**.
2. On the slide up menu, adjust the desired brightness level then tap **Save**.

NOTE:

- Default idle screen brightness is 0%
- The screen brightness range is 0%~100% and it should not be more than active brightness level.

Screen active duration

The thermostat can be configured to set a timeout for the LED when it is active.

1. Tap **Screen Active Duration (C)**.
2. On the slide up menu, select required active duration:
 - **5 Secs**
 - **10 Secs**
 - **30 Secs**
 - **45 Secs**
 - **Customized Duration**: use +/- or drag the sliding bar to change the **Active Duration**, which ranges from 1 minute to 60 minutes.

NOTE: Default screen active duration is 60 s.

NOTE: In the event that the thermostat is removed from the system, the brightness setting will be retain.

Using the device

The control panel of the thermostat(s) allows you to view and adjust the temperature and access various settings.

When a thermostat is commissioned and assigned to a room, an individual group called **Thermostat** is automatically created in the home page.

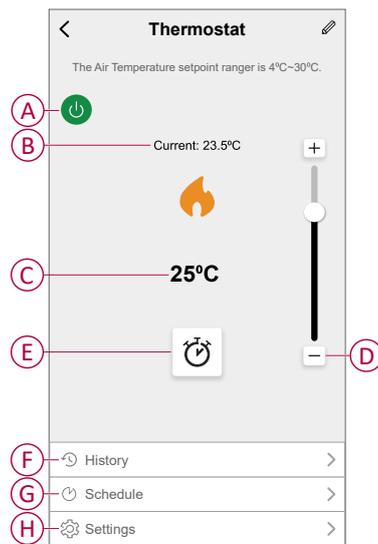
NOTE:

- Single room can be assign to multiple thermostat group. Refer changing device location, page 20.
- By default, individual thermostat will not appear on the home page. To change this setting, refer to individual thermostat visibility on home page, page 31.

Thermostat control panel

On the group thermostat control panel page, you can see the following:

- Power button (A)
- The current temperature value (B)
- The setpoint temperature value (C)
- The sliding bar to adjust the temperature (D)
- Boost mode, page 34 (E)
- History, page 35 (F)
- Schedule, page 36 (G)
- Settings (H)

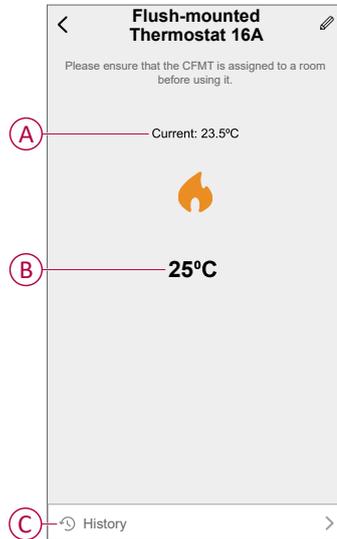


Individual Thermostat control panel

On the individual thermostat control panel page, you can see the following:

NOTE: This control panel will not have the slider bar as you cannot control the temperature of the thermostats individually. To adjust the setpoint, check the group thermostat control panel.

- The current temperature value (A)
- The setpoint temperature value (B)
- History, page 35 (C)



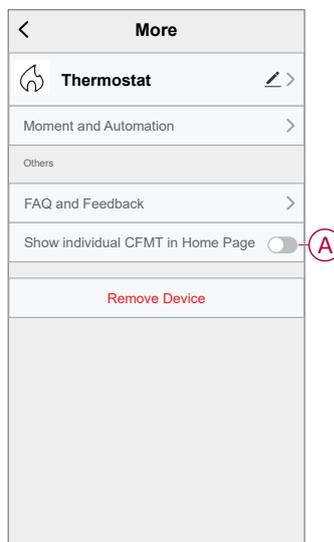
Enabling individual thermostat visibility on home page

The individual thermostats will not appear on the home page by default. Using the app, you can change the default settings to adjust the visibility according to your preferences.

1. On the **Home** page, tap **All devices > Thermostat**.
2. Tap  to display more details.
3. Tap the **toggle switch (A)** to enable or disable the **Show Individual CFMT in Home Page** option.

NOTE:

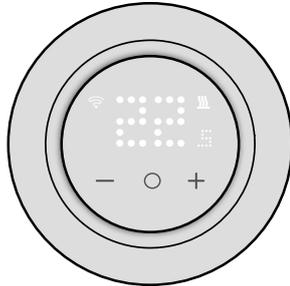
- By enabling, individual thermostat is shown in the home page and disabling it hides the individual thermostat in home page.
- Tapping  for more menu in the individual thermostat control panel, allows you to update firmware and remove the device from the system.



Setting the room temperature manually

The room temperature can be increased/decreased manually by pressing the touch button of the thermostat.

- Press the “+” button to increase the temperature setpoint.
- Press the “-” button to decrease the temperature setpoint.



In P3, P5, P6, if floor sensor is fitted, device will be in room temperature with floor limits mode.

When the room temperature is at or above the current setpoint, the floor temperature is below the lower floor temperature limit (min. guard), the demand is generated and the room is heated to warm the floor, and the demand LED flashes white at 1 Hz.

When the room temperature is below the current setpoint, the floor temperature is above the upper floor temperature limit (max. guard), the demand should be 0 and control output should be prevented, the demand LED flashes white at 1 Hz.

Setting the room temperature using app

By using the Wiser app, you can control the room temperature.

To control the room temperature:

NOTE: You can only adjust the room temperature through the control panel of the group thermostat.

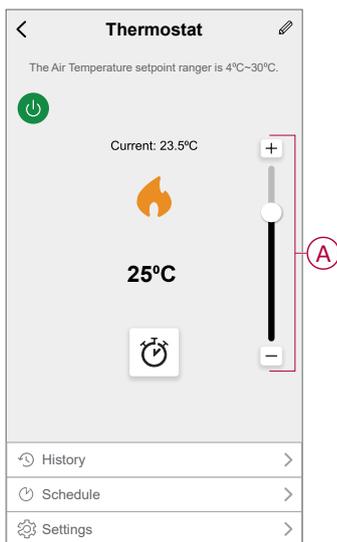
1. On the **Home** page, tap **All devices > Thermostat**.
2. On the control panel page, you can do either of the following to adjust the temperature (A):
 - Tap “+” or “-” sign to set the temperature setpoint.
 - Drag the sliding bar up/down to set the temperature setpoint.

NOTE:

- The thermostat setpoint temperature ranges from 4 °C~ 30 °C for preset P1 – P6 and 10 °C ~ 40 °C for preset P7 – P8.
- Each “+/-” tapping will increase or decrease the setpoint temperature by 0.5 °C.

TIP: Tapping  you can set the boost time and turns it off.

Heating mode: When the thermostat is in heating mode, flame icon is displayed in the Wiser app.



NOTE:

- The  indicates that the room temperature is below the desired temperature (set point), so the heating is on.
- The  indicates that the room temperature is above the desired temperature (set point), so the heating is off.

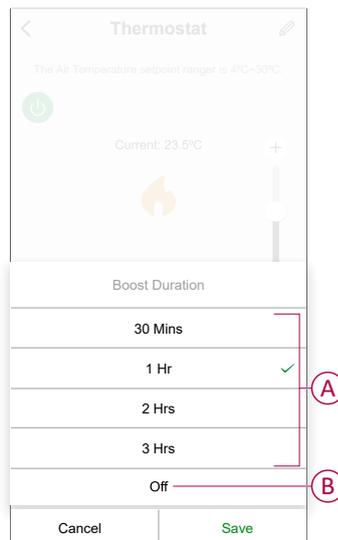
Using the boost mode

Using the boost mode, the setpoint is increased by 2 °C from the current room temperature setpoint.

1. On the **Home** page, tap **All devices > Thermostat**.
2. On the device control panel page, tap .
3. In the slide-up menu, select the **Boost Duration (A)** and then tap **Save**.

NOTE:

- The boost duration is set to 1 hour by default.
 - Changing setpoint using during boost mode will cancel boost mode on the app
 - The boost mode will stop automatically when the boost duration is completed.
 - If the current temperature is 28.5 °C - 29.5 °C (for P1–P6) or 38.5 °C - 39.5 °C (for P7–P8), then the boost mode will set the temperature to the maximum temperature
4. To turn off the boost mode manually, go back to the control panel page and tap .
 5. In the slide-up menu, tap **Off (B)** and then tap **Save**.



NOTE: By the end of the time counting down, the boost will be stopped automatically. If the boost feature has been turned on, and in this period there are one or more Schedule or Moment/Automation actions, the system will stop the current Boost action immediately, and perform the new actions (the new action always has a higher priority than the current action).

Schedule actions within boost period

When boost mode is enabled during this period, the system will temporarily stop the scheduled actions and only perform the boost operation until the boost duration is over.

The new action always has a higher priority than the current action. As a result, boost mode will be activated even when the scheduled action is in progress and the system will stop the schedule.

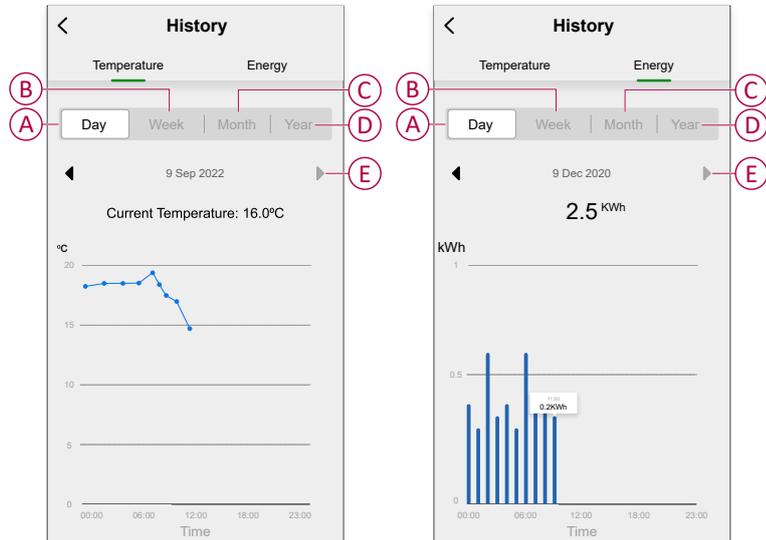
To view the temperature changes during the boost operation, go to [Checking the device history](#), page 35.

Checking the device history

Using the app, you can monitor the temperature changes by accessing the device history.

To see the device history of the group thermostats:

1. On the **Home** page, tap **All devices > Thermostat**.
2. On the device control panel page, tap **History**.
3. In the **History** page, you can see the changes in Day (A), Week (B), Month (C), or Year (D) view.



NOTE: Temperature and energy tabs are available for preset P4,P5,P6, and P8.

For preset P1,P2,P3, and P7 only temperature tab is visible and for P9 only energy tab is visible.

NOTE: You can adjust the date, week, month, or year using “◀ ▶” (E).

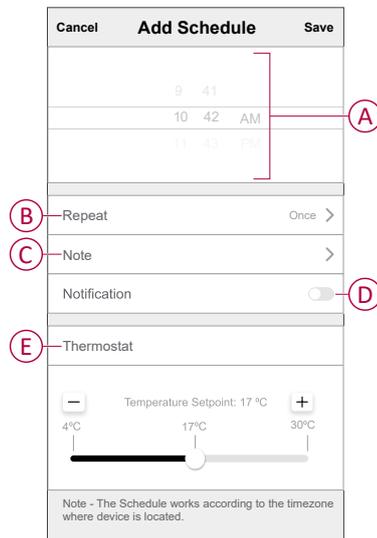
Alternatively, navigate to **Home > All devices > Thermostat > History** to check the device history of the individual Thermostats.

Creating a schedule

The heating system is fully controlled and triggered by your schedule. Once the schedule is set, your system will follow the active schedule. You can create or modify the schedules at any time.

To create a schedule:

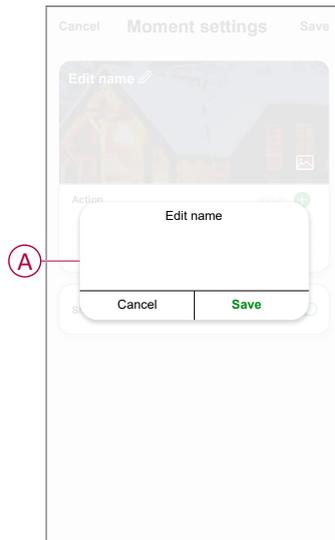
1. On the **Home** page, tap **All devices > Thermostat**.
2. Tap **Schedule > Add Schedule** to add a schedule.
3. Set the time (A).
4. Tap **Repeat** (B), select the days you want to set the schedule.
5. Tap **Note** (C), enter the note and tap **Confirm**.
6. Tap the toggle switch (D) to turn on the **Notification** for the schedule. The app will send a notification that the scheduled task is executed at the time of schedule.
7. In the **Thermostat** section, you can adjust the temperature (E) for the scheduled time.
8. Tap **Save**.



Creating a moment

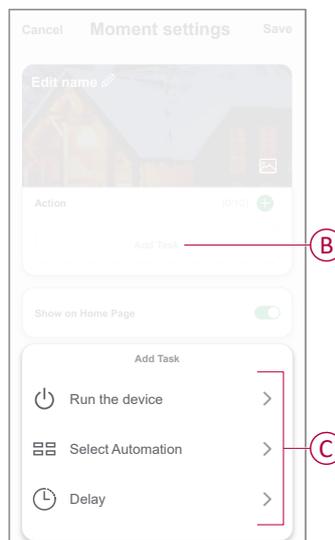
A Moment allows you to group multiple actions that are usually done together. Using the Wiser app, you can create moments based on your needs.

1. On the **Home** page, tap .
2. Go to **Moment** > **+** to create a moment.
3. Tap **Edit name**  to enter the name of moment (A) and tap **Save**.
TIP: You can choose the cover image that represents your moment by tapping .

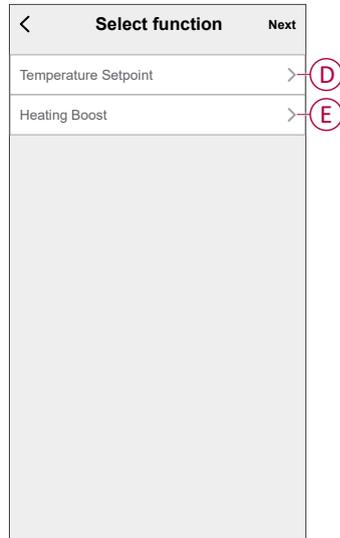


4. In the **Action** section, tap **Add task** (B) to open the slide-up menu.
5. In the **Add task** menu, you can do either or all of the following actions (C):
 - **Run the device** - Select the devices that you want in a moment
 - **Select Automation** - Select the automation that you want to enable or disable
 - **Delay** - Set the delay time

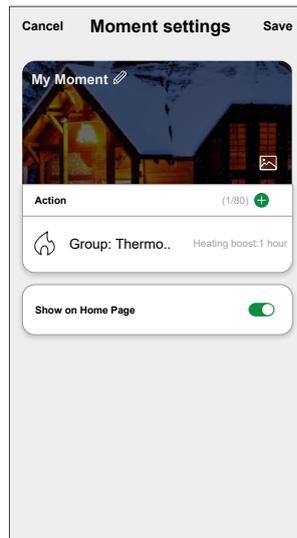
NOTE: You can add one or more actions using .



6. Tap **Run the device > Thermostat** to select one or more functions to add in the moment:
- **Temperature Setpoint:** Increase the thermostat's temperature according to your requirement (D).
 - **Heating Boost:** Increase the temperature by setting the boost duration (E).



7. Once all the actions are set, tap **Save**.



Editing a moment

1. On the **Moment** tab, locate the moment you want to edit and tap ●●●.
2. On the **Edit** page, you can tap each item (such as dimmer, shutter, delay, temperature, etc.) to change the settings.

TIP:

- You can add one or more actions using .
- To delete an existing action, slide each item towards left and tap **Delete**.

Deleting a moment

To delete a moment:

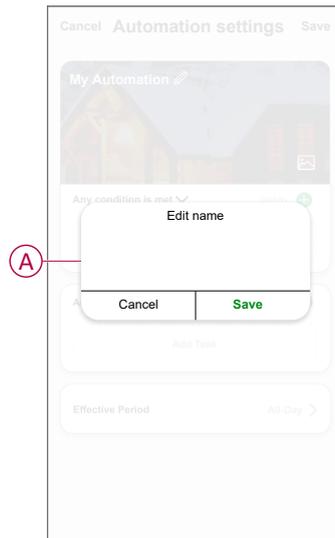
1. On the **Moment** tab, locate the moment that you want to delete and then tap ●●●.
2. Tap **Delete** and then tap **Ok**.

NOTE: After deleting a moment, the device action can no longer be triggered.

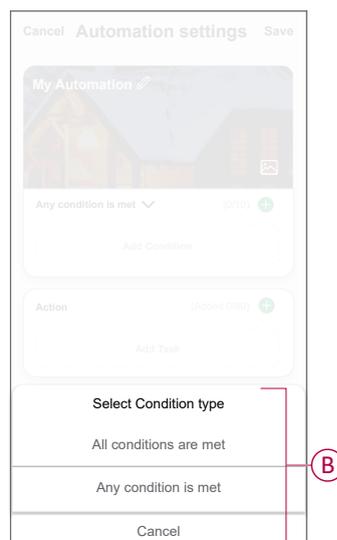
Creating an automation

An automation allows you to group multiple actions that are usually done together, triggered automatically or at scheduled times. By using the Wiser app, you can create automations based on your needs.

1. On the **Home** page, tap .
2. Go to **Automation** > **+** to create an automation.
3. Tap **Edit name**  to enter the name of automation (A) and tap **Save**.
TIP: You can choose the cover image that represents your automation by tapping .



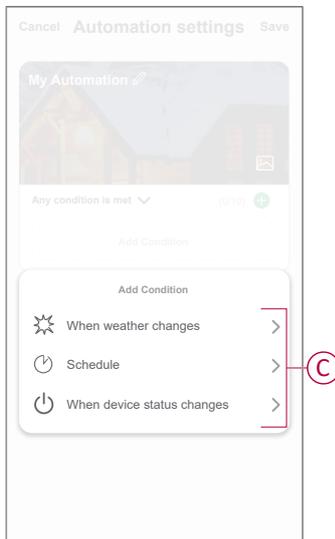
4. Tap **Any condition is met** to select any one of the condition type (B):
 - **All conditions are met** - The automation is triggered when all the conditions are met
 - **Any condition is met** - The automation is triggered when at least one condition is met



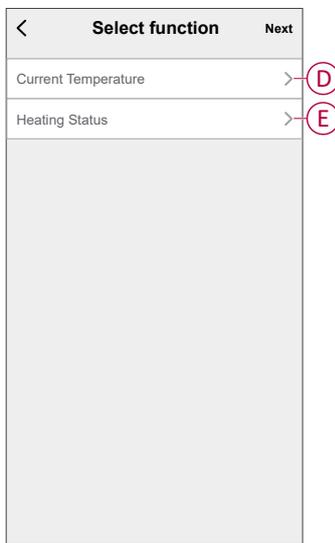
5. Tap **Add Condition** to open the slide-up menu.

6. In the **Add Condition** menu, you can do either or all of the following options (C):
- **When weather changes** - Select the various weather settings.
 - **Schedule** - Set the time and day.
 - **When device status changes** - Select the device and it's function.

Note: You can add one or more conditions using .



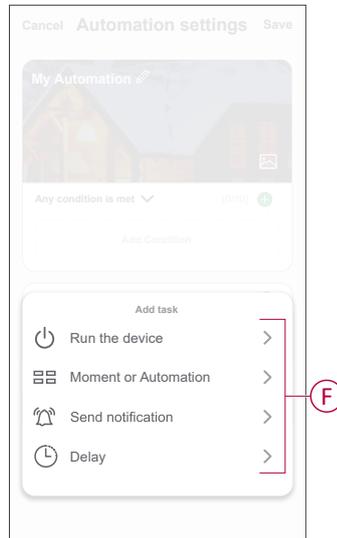
7. Tap **When device status changes > Thermostats** and select one or more action.
- **Current Temperature** – Select the temperature (D).
 - **Heating Status** – Select thermostat status, **On** or **Off** (E).



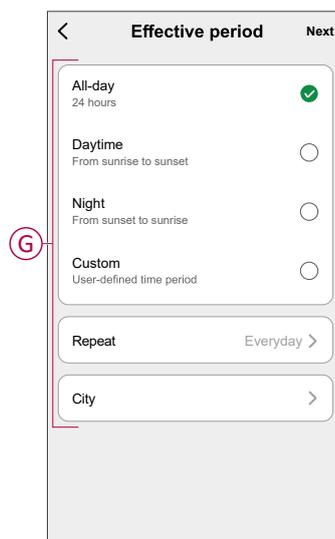
8. Tap **Add task** to open the slide-up menu.

9. In the **Add task** menu, you can do either or all of the following options (F):
- **Run the device** - Select the devices that you want to be triggered.
 - **Moment or Automation** - Select the moment which you want to trigger or select the automation that you want to enable or disable.
 - **Send notification** - Turn On notification for the automation.
 - **Delay** - Set the delay time.

NOTE: You can add one or more actions using .



10. Tap on **Effective period** to set the time range for the automation. You can select any one of the following (G) and tap **Next**:
- **All-day** - 24 hours.
 - **Daytime** - From sunrise to sunset.
 - **Night** - From sunset to sunrise.
 - **Custom** - User defined time period.



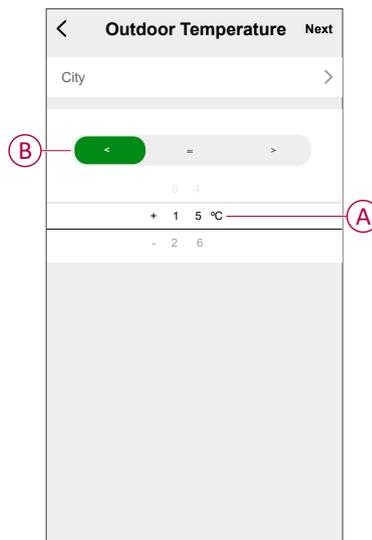
11. Once all the actions and conditions are set, tap **Save**.

Once the automation is saved, it is visible on the **Automation** tab. You can tap the toggle switch on the automation to enable it.

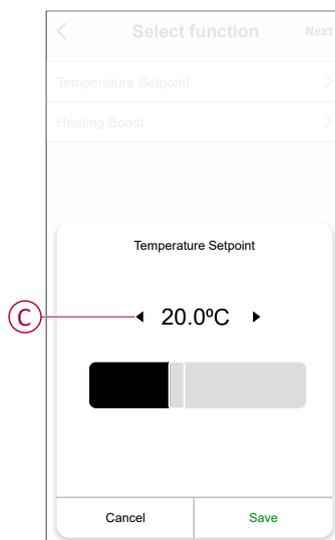
Example of an automation

This demonstration shows you how to create an automation to turn on the thermostat setpoint to 20 °C when the outdoor temperature is less than 15 °C .

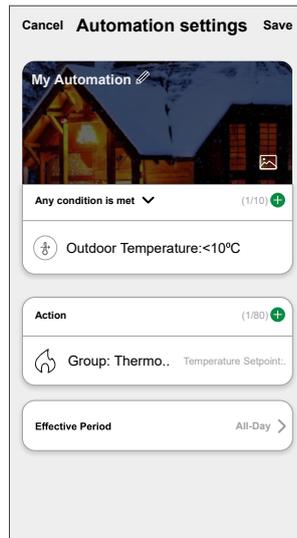
1. Go to **Automation** > **+** to create an automation.
2. Tap **Edit name**  , enter the name of the automation and tap **Save**.
TIP: You can choose the cover image that represents your automation by tapping .
3. Tap **Add Condition** > **When weather changes** > **Outdoor Temperature**.
4. Select the outdoor temperature value (A), the condition (B) and tap **Next**.
TIP: You can set the outdoor temperature value as 15 °C and the condition as < (less than).



5. Tap **Add task** > **Run the device** and select **Thermostats**.
6. Tap **Thermostat Set Point** and set the temperature as 20 °C (C).



- In the **Automation Settings** page, tap **Save**.



Once the automation is saved, it is visible on the **Automation** tab. You can tap the toggle switch on the automation to enable it.

Editing an automation

- On the **Automation** tab, locate the automation you want to edit and tap ●●●.
- On the **Edit** page, you can tap each item (such as dimmer, shutter, delay, temperature, etc.) to change the settings.

TIP:

- You can add one or more condition or actions using .
- To delete an existing condition or action, slide each item towards left and tap **Delete**.

Deleting an automation

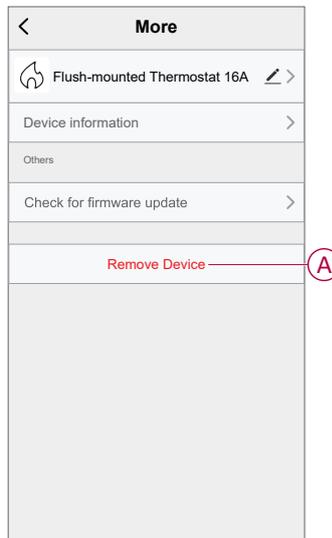
- On the **Automation** tab, locate the automation that you want to delete and then tap ●●●.
- Tap **Delete** and then tap **Ok**.

NOTE: After deleting an automation, the device action can no longer be triggered.

Removing the device from Wiser system

You can remove a device from the device list using the Wiser app.

1. On the **Home** page, tap **All devices** and select the individual **Thermostat** which needs to be removed.
2. Tap  to display more details.
3. Tap **Remove Device (A)** and tap **Confirm**.



NOTE: Setting parameters will be retained when the thermostat is removed from the Wiser system.

TIP:

- On the home page, you can tap and hold the individual thermostat to remove the device.
- In group thermostat, tap  for more information and then tap **Remove Device** to remove the device.

Resetting the device

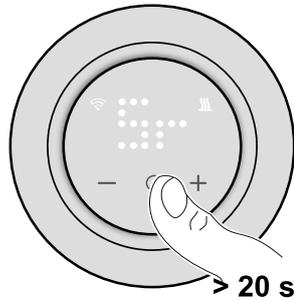
You can manually reset the thermostat to factory settings or soft reset.

Soft reset

Press and hold the **O** touch button > 20 s.

The thermostat flashes “**Sr**”, indicating soft reset, and it is selected when the button is released.

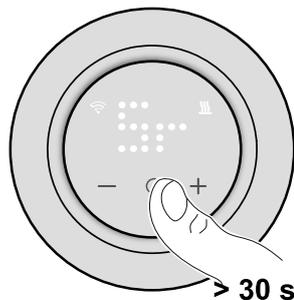
The ‘**Sr**’ will flash to confirm the soft reset.



NOTE: To cancel the soft reset, press and hold the **O** button for > 30 s. This reverts the thermostat's UI back to its previous state before the touch button is pressed, with no change in a functional state.

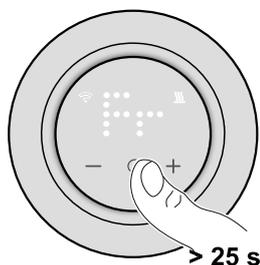
A soft reset will:

-
- Delete all cloud and account details maintained by the device to allow re-registration.
- Revert to the default setpoint in manual control.
- Maintain all Factory settings e.g. MAC address.
- Maintain the installer configuration of the device to ensure proper functioning until and after rejoining/re-registration.

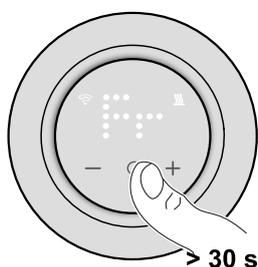


Factory reset

In reset selection, press and hold the **O** touch button until thermostat flashes “Fr”, indicating factory reset, and it is selected when the button is released. The ‘Fr’ will flash on the matrix display to confirm the factory reset and the thermostat resets to factory defaults and after 5 s it returns to preset, page 8.



NOTE: To cancel the factory reset, press and hold the **O** button for > 30 s. This reverts the thermostat's UI back to its previous state before the touch button is pressed, with no change in a functional state.



A factory reset will:

-
- Delete all configuration data.
- Delete all schedules information.
- Revert to the default setpoint in manual control.
- Maintain all Factory settings e.g. MAC address.

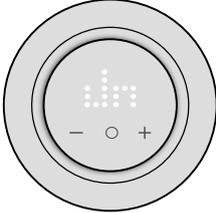
Cleaning

The external housing should be kept clean. Wipe the surface with a damp cloth.

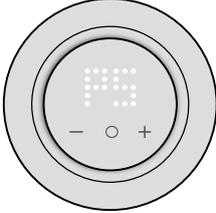
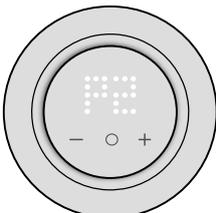
NOTICE
EQUIPMENT CLEANING INSTRUCTIONS
Do not use any cleaning agent, especially alcohol.
Failure to follow these instructions can result in equipment damage.

LED Indications

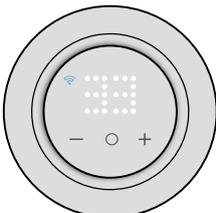
Pairing the device

Status	User Interaction	Description
Pairing in progress		The thermostat matrix display flashes "Jn" to indicate joining is initiated when the thermostat O touch button is pressed and held for > 3 s.
Successful joining network		The thermostat matrix display flashes a green  LED when the thermostat successfully joins a network.
Fails to join the network		The thermostat matrix display flashes a red  LED when the thermostat fails to join the network.

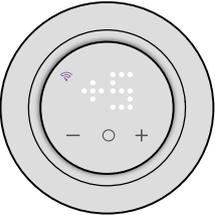
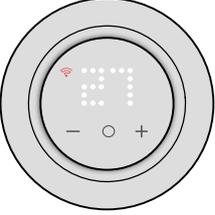
Presetting the device

Status	User Interaction	Description
Enter preset selection		By default, thermostat matrix display flashes "P5" if there is no external sensor connected, or "P8" if there is any external sensor connected when the thermostat is first powered on or after a factory reset.
Modify preset selection		The default preset value can be modified by simultaneously pressing "O" and "+" for 2 s to enter advanced settings menu In advance setting menu the thermostat matrix display flashes "P1" or "P2...P9" when +/- button is pressed. Note: When + button is pressed, preset increases by one; similarly, the preset decreases by one when the - button is pressed. For more information, refer to the section presetting the device, page 8.

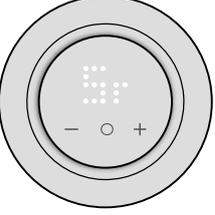
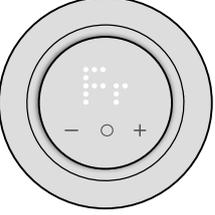
Setting a sensor type

Status	User Interaction	Description
Floor sensor type selection		The thermostat matrix display the floor sensor type and  LED flashes blue.

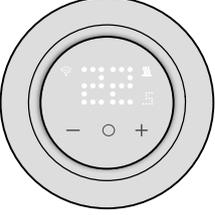
Setting a sensor type (Continued)

Floor sensor calibration.		The thermostat matrix display calibration value and  LED flashes purple.
Floor temperature maximum limit		The thermostat matrix display maximum temperature limit and  LED flashes red.

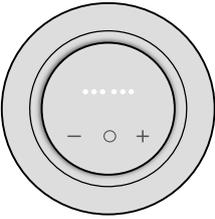
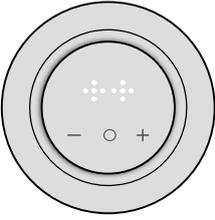
Resetting the device

Status	User Interaction	Description
Soft reset		A solid "Sr" LED is displayed on the thermostat matrix display until the user releases the O button, then "Sr" flashes. For more information, refer to the section Resetting the device, page 46.
Factory reset		A solid "Fr" LED is displayed on the thermostat matrix display until the user releases the O button, then "Fr" flashes. For more information, refer to the section Resetting the device, page 46.

Showing demand - temperature control modes

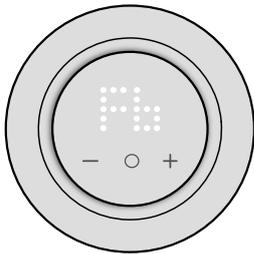
Status	User Interaction	Description
Heating demand		The  LED flashes white at 1hz during heating demand.

Temperature display

Status	User Interaction	Description
Temperature below minimum display value OR Temperature reading error.		<p>Note: The thermostat matrix displays temperature limits -9 °C to 99 °C.</p> <p>The thermostat matrix display flashes "--" When the temperature is below -9 degrees.</p> <p>OR</p> <p>The thermostat matrix display flashes "--" when the thermostat cannot determine the temperature due to an error.</p>
Temperature above maximum display value		<p>Note: The thermostat matrix displays temperature limits -9 °C to 99 °C.</p> <p>The thermostat matrix display flashes "+ +" when the temperature is above 99 degrees.</p>

Troubleshooting

Symptom	Possible cause	Solution
The thermostat has gone offline.	<ul style="list-style-type: none"> The thermostat is not On. The thermostat is no longer in signal range of the Hub. 	<ul style="list-style-type: none"> Turn the thermostat On and Off. Move the Wiser Gateway/Hub closer to the thermostat.
Unable to join to the Wiser Gateway/Hub (blinking red LED)	<p>Poor signal between the Wiser Gateway/Hub and thermostat.</p> <p>The devices have no power (Thermostat/Wiser Gateway/Hub/ Wi-Fi® network).</p>	<ul style="list-style-type: none"> Rejoin the thermostat in the app. Turn on the devices power (Thermostat/Wiser Gateway/Hub/ Wi-Fi® network).
Unable to set the room temperature by the app.	Wiser Gateway/Hub signal is weak or not connected to the Wi-Fi® network.	Check for a Wi-Fi® signal.

Status	User Interaction	Description
Find and Blind		<p>When the user press and hold "O" button for > 8 s, "Fb" LED is displayed on the thermostat matrix display.</p> <p>It is a Zigbee function, can be ignored.</p>

Technical Data

Nominal voltage:	AC 230 V ~, 50 Hz
Maximum current rating	max. 16 A
Standby:	max 0.4 W
Connecting terminals:	Screw terminals for max. 2.5 mm ² , 0.5 Nm
Neutral conductor:	Required
Ambient temperature:	0 to 40 °C
Relative humidity:	max. 90% non-condensing
Temperature accuracy:	max. ±0.5 °C (accross the range of 4 to 30 °C)
Temperature measurement resolution:	max. 0.1 °C
Display:	7x5 dot matrix, 3 additional LEDs
Operating frequency:	2.405 GHz to 2.48 GHz
Max. radio-frequency power transmitted:	< 10 mW
Communication protocol:	Zigbee 3.0 certified
Floor sensor types:	10, 12, 15, 33, 47 (Thermistor resistance values in kOhm. Nominal value at 25 °C)
Protection Class:	II
Working voltage:	230 V
Over-voltage category:	III
Rated impulse voltage:	4 kV
Pollution degree:	2
CTI rating of insulation components:	175 V
Material group:	IIIa (based on CTI value)
Disconnection type:	1.B

Compliance

Compliance information for Green Premium products

Find and download comprehensive information about Green Premium products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP) and End-of-Life instructions (EOLI).

<https://checkaproduct.se.com/>



General information about Green Premium products

Click the link below to read about Schneider Electric's Green Premium product strategy.

<https://www.schneider-electric.com/en/work/support/green-premium/>



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Printed in:
Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison - France
+ 33 (0) 1 41 29 70 00

Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00

www.se.com

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