Renova - Connected Thermostat Room/Floor 16 A

Wiser Home Device User Guide

Information about features and functionality of the device.

05/2025

www.se.com

Legal Information

The information provided in this document contains general descriptions, technical characteristics and/or recommendations related to products/solutions.

This document is not intended as a substitute for a detailed study or operational and site-specific development or schematic plan. It is not to be used for determining suitability or reliability of the products/solutions for specific user applications. It is the duty of any such user to perform or have any professional expert of its choice (integrator, specifier or the like) perform the appropriate and comprehensive risk analysis, evaluation and testing of the products/solutions with respect to the relevant specific application or use thereof.

The Schneider Electric brand and any trademarks of Schneider Electric SE and its subsidiaries referred to in this document are the property of Schneider Electric SE or its subsidiaries. All other brands may be trademarks of their respective owner.

Schneider Electric does not grant any right or license for commercial use of the document or its content, except for a non-exclusive and personal license to consult it on an "as is" basis.

Schneider Electric reserves the right to make changes or updates with respect to or in the content of this document or the format thereof, at any time without notice.

To the extent permitted by applicable law, no responsibility or liability is assumed by Schneider Electric and its subsidiaries for any errors or omissions in the informational content of this document, as well as any non-intended use or misuse of the content thereof.

Table of Contents

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

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

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

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

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.
- Boost mode for ease and comfort.
- Child lock.
- Valve protection.
- Measure energy consumption.
- Smart schedule and control through Wiser app.

Operating elements

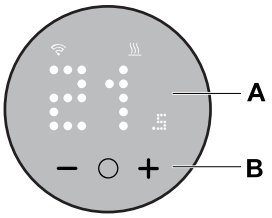
A. **Dot-matrix display**

- 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
- **O**: function button



Installing the device

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

Setting 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 12

Floor calibration setting, page 12

Max guard temp. setting, page 12

Boost mode, page 30

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

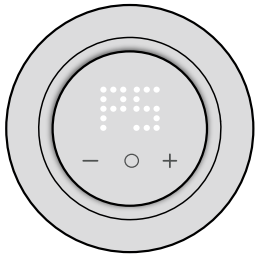
You can choose one preset configuration:

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)

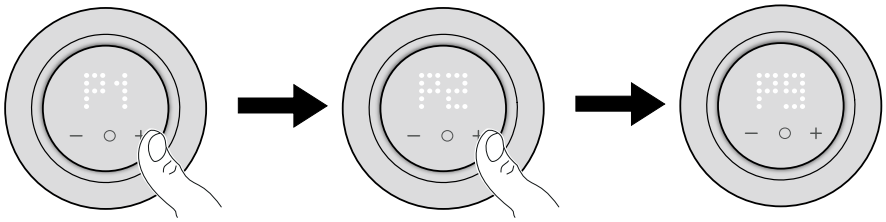
When the thermostat is first powered on or immediately after a factory reset, by default “**P5**” flashes on the matrix LED’s if there is no external sensor connected, or “**P8**” if there is any external sensor connected.



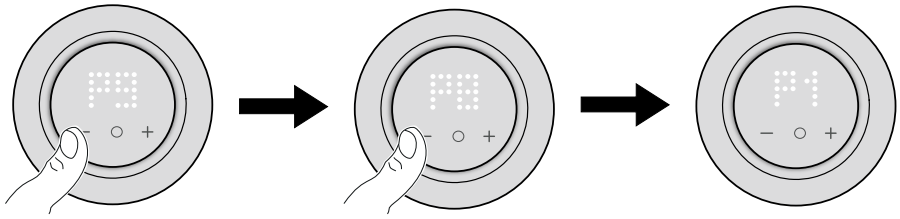
Modifying the preset value

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.

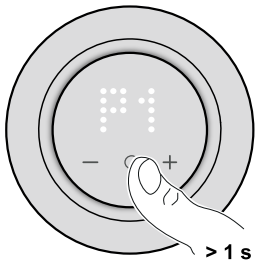


Similarly, when **–** button is pressed, preset P9 changes to P8, continue to press the **–** button, preset changes to P7, P6...P1.



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.

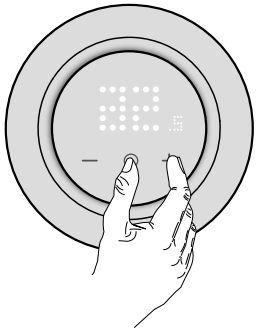
For **example**, P1 is confirmed.



- 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 12.

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 9

Selecting floor sensor type

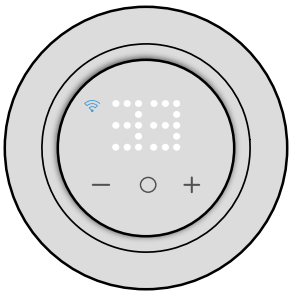
After preset, you will enter floor sensor selection menu where you can manually select the sensor type connected to the thermostat after setting the preset; this allows the thermostat to convert and display the temperature accurately.

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.

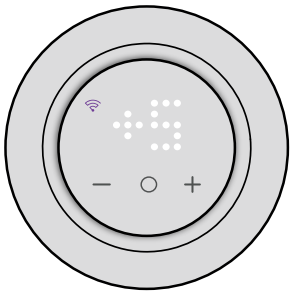
To set temperature calibration:

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 appWiser Home app.

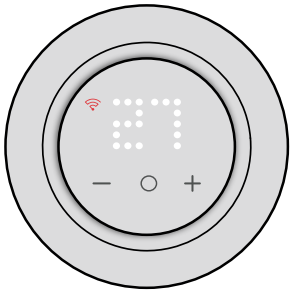
To set maximum guard temperature:

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:

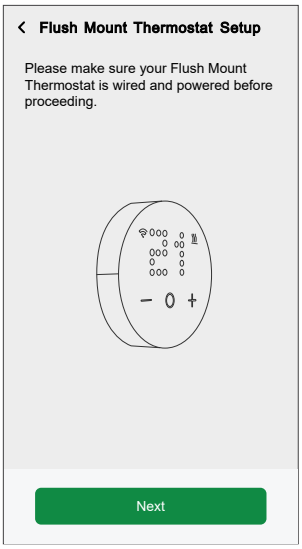
- If you want to update the sensor settings manually after setting up the device, Press **O** and **+** button simultaneously to enter preset selection and press **O** to confirm preset and enter sensor setting.
- You can also perform a factory reset to remove all settings and configure the thermostat newly. Refer resetting the device, page 48.
- It is possible to modify or update sensor settings without resetting the thermostat with the Wiser appWiser Home app. Refer app settings

Pairing the device with the Wiser hub

Using the Wiser Home app, you can pair your thermostat with the **Wiser Hub** to access and control the thermostat.
To pair the thermostat:

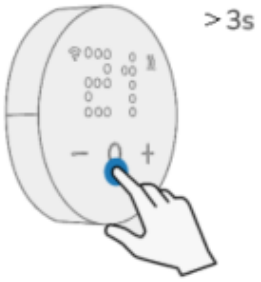
1. On the **Home** page, tap .
2. Tap **Devices >** **>Climate** tab.

   TIP: You can also navigate by tapping **Control** tab > > **Climate** tab.
3. Tap **Flush Mount Thermostat** and select the thermostat you want to pair.
4. Tap **Next**
   The next screen shows the thermostat joining process.



5. On thermostat press and hold the **O** touch button simultaneously (> 3 s) until **Jn** appears on the device.

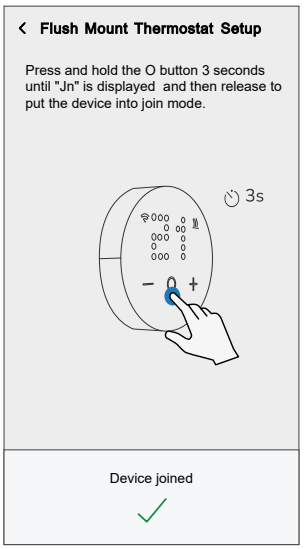
   The wireless LED blinks amber when joining.



6. Wait for a few seconds until the wireless LED on the thermostat turns green.

   NOTE: The wireless LED on the thermostat turns red if it is unable to connect.

   Upon successful pairing, the app displays the device joining status.



7. Add a name for the thermostat and tap **Next**
8. Assign a thermostat to the room and then tap **Submit**.

Configuring UFH actuator

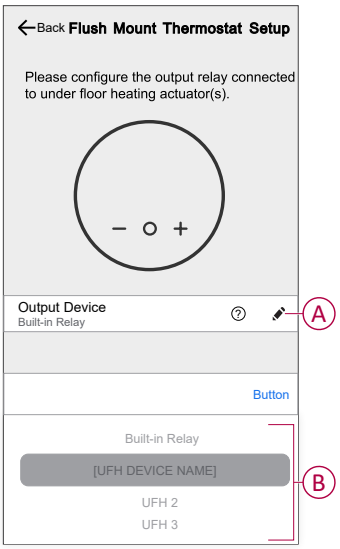
When thermostat's preset is set to P3 (Hydronic Underfloor) and it is connected with Wiser under floor heating (UFH) actuator, pairing process continues to configure UFH system. Thermostat will use UFH to control room temperature.

The thermostat can also be used as a temperature sensor and a temperature set point selector for other heating devices like 16A Relay or iTRV's.

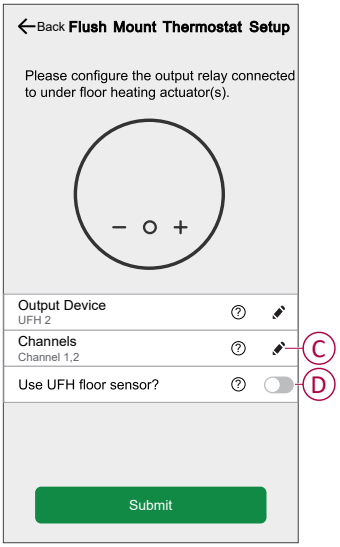
NOTE: Refer, pairing the device, page 14.

1. Assign a room to the thermostat once it has been paired and then tap **Next** to configure UFH.
2. Tap **Output Device** (A) for slide up menu and select the UFH (B) from the list which is connected to the thermostat.

   NOTE: Built-in relay is selected by default as the output device, there are no other settings for it.



3. Tap on **Channels** (C) and select the channel which controls the room where thermostat is located.
4. Enable toggle switch (D), if you want monitor the floor temperature using UFH floor sensor.



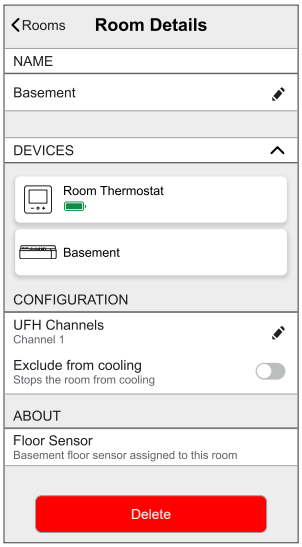
NOTE:

- To change the UFH channel room refer Assigning a channel to the room.
- Only one UFH floor sensor can be assigned to a room if you want to update refer Setting Floor Sensor Location.

5. Tap **Submit**.

   The thermostat is now listed on the **Control** tab under the **All** and the specific room tabs.

   IMPORTANT: If cooling input is enabled in UFH make sure in **Room Setting > Excluded From Cooling** toggle switch is On. This can be useful if there are areas in a building that do not require cooling, such as storage rooms or unoccupied spaces. Refer UFH Cooling input.



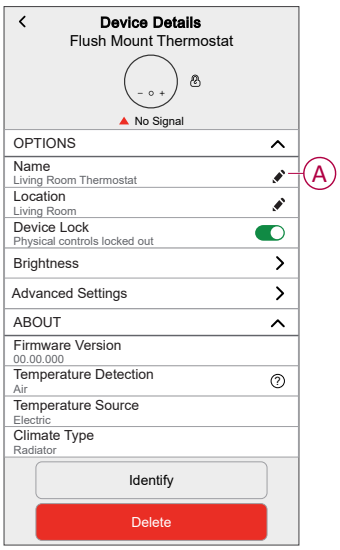
Configuring the device

Renaming the device

Using the Wiser Home app, you can change the thermostat name.
To change the thermostat name:

1. On the **Home** page, tap ⚙.
2. Tap **Devices > Flush Mount Thermostat > Room settings > Name** (A) to update the thermostat name.

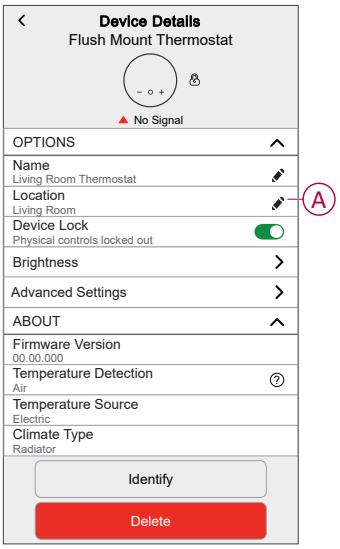
   TIP: You can also select a device from the list in the **Control** tab, tap ⋮ > **Device Settings**.



Changing the device location

Using the Wiser Home app, you can change the thermostat location.
To change the thermostat location:

1. On the **Home** page, tap  .
2. Tap **Devices > Flush Mount Thermostat > Room settings > Location** (A).

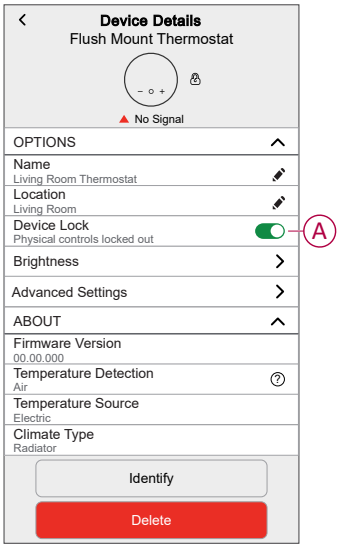


Locking user interface

Using the Wiser Home app, you can lock the thermostat controls . This will prevent children from changing the temperatures in your room by playing with it.

1. On the **Home** screen, tap .
2. Tap **Devices > Flush Mount Thermostat > Room settings > Device Lock** (A) to lock or unlock the thermostat control.

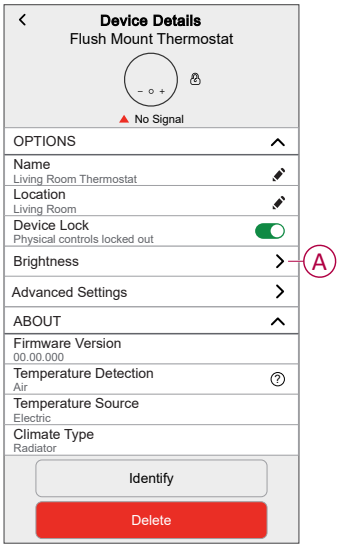
TIP: When the thermostat lock is active, a will appear next to the thermostat.



Setting the display brightness

Using the Wiser Home app, you can set the thermostat display brightness such as active (brightness during interaction) and inactive (brightness after 60 seconds of inactivity).
To set the thermostat display brightness:

1. On the **Home** screen, tap .
2. Tap **Devices > Flush Mount Thermostat > Room settings > Brightness** (A).

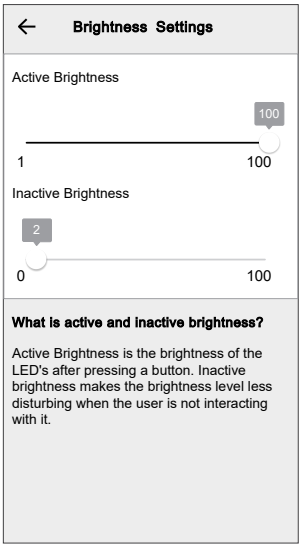


3. Set the active and inactive brightness using the sliding bars.

   NOTE:

   - Default active screen brightness is 100%. Range from 1%~100%, and the setting accuracy is 1%.
   - Default inactive screen brightness is 0% range is 0%~100%, the setting accuracy is 1%, and it must be <= active brightness.

   For example:
   Allowed: Both active and inactive brightness can be set to 50%.
   Not allowed: Inactive brightness set to 60 % and active brightness set to 50 %.



Advanced device settings

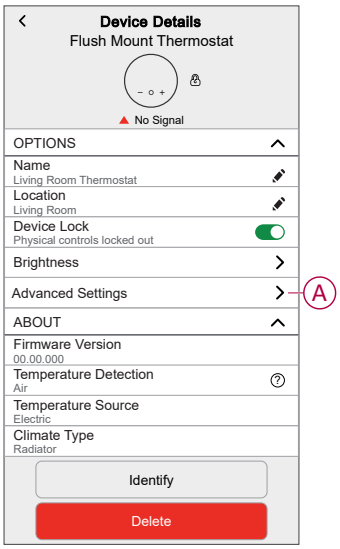
The Wiser Home app offers advanced settings for the thermostat. These settings include toggle switches that let you enable or disable valve protection, enable cooling input and output relay, and set cycle time and universal input.

NOTE: Making changes to advanced settings can severely impact your system, so be sure to understand its impact before applying any changes to the advanced settings.

To do advanced settings:

1. On the **Home** screen, tap .
2. Tap **Devices > Flush Mount Thermostat > Room settings > Advanced Settings** (A).

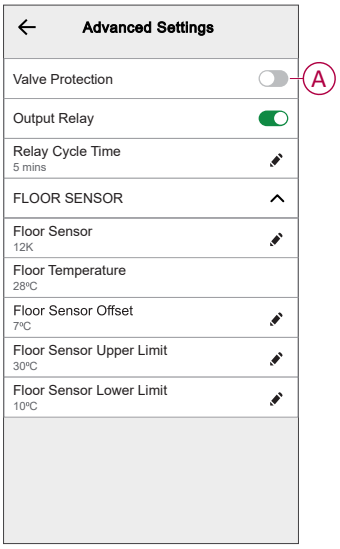
3. Read the caution and tap **OK**.



Valve Protection

Activate output every two weeks to prevent valve calcification.

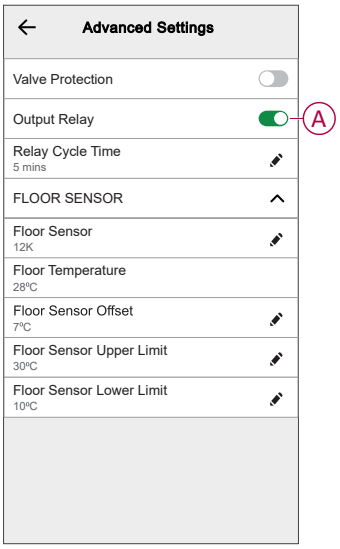
You can activate the valve protection by tapping on the toggle switch (A).



Output Relay

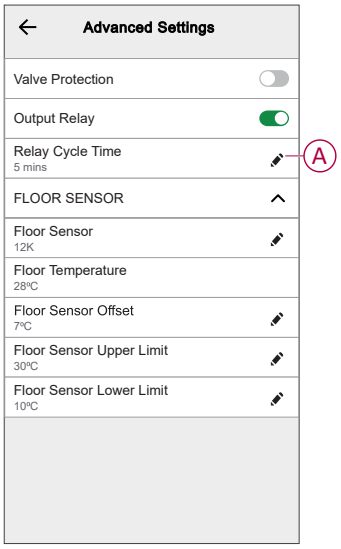
This option is to turn on/off the relay, if used as a temperature measurement device.

You can turn on/off the relay by tapping on the toggle switch (A).



Relay Cycle Time

In advanced settings, you can choose **Relay Cycle Time** (A). This setting determines the length of each on/off cycle of the output relay. The percentage of time within that cycle time that the relay is on is varied based on demand. 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.



For example, 20 mins = three cycle per hour.

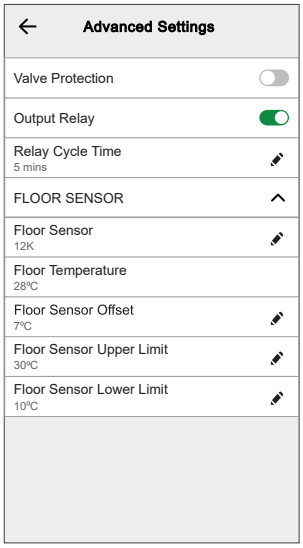
NOTE: A relay cycle time can be viewed only when the output relay is on.

Tap **Relay Cycle Time**:

- 5 mins
- 10 mins
- 20 mins
- 30 mins

Floor sensors settings

Wiser Home app allows you to update the floor sensor settings that were set during initial configuration.



Floor sensor

To select the floor sensor:

1. Tap **Floor Sensor** for slide up menu.

2. Select the sensor type (kOhm) form the following list.
   - **10K**
   - **12K**
   - **15K**
   - **33K**
   - **47K**
   - **Not fitted**

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

Floor sensor offset

To set the offset temperature:

1. Tap **Floor Sensor Offset** for a slide-up menu.
2. Drag the sliding bar to set the offset temperature.

   NOTE: The offset temperature ranges from -9°C to +9°C and can be adjusted in 0.1°C increments.
3. Tap **Save**.

Floor sensor limit

To set the upper and lower temperature limit:

- On setting page, tap **Floor Sensor Upper Limit** to set upper temperature limit of the floor sensor and then tap **Save**.

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

- Tap **Floor Sensor Lower Limit** to set lower temperature limit of the floor sensor and then tap **Save**.

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

Room setting

You can set channel, occupancy and window detection in the room settings.

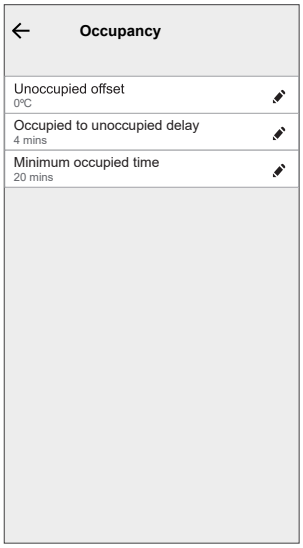
1. On the **Control** tab, select the thermostat for which you want to change room setting.
2. On device control screen of thermostat, tap **Room setting** to open room details.

Channel settings

If the thermostat and under floor heating device are in same room you can change channel which is assigned to same room as thermostat by tapping on **Channel** in room details and select the channel.

Occupancy

You can change the occupancy settings according to user requirement by tapping **Occupancy** in room details.



- **Unoccupied Offset**: You set the setpoint when room is unoccupied.
  This helps to save energy by allowing the temperature to drift from the normal setpoint to a less comfortable but more energy-efficient level when the space is not in use.

- **Occupied to Unoccupied Delay**: You can set the time delay between a room being occupied and then transitioning to an unoccupied state.
  This delay ensures that the system doesn't immediately switch to an unoccupied mode when a room becomes vacant, preventing unnecessary fluctuations and providing a grace period in case the room becomes occupied again shortly after being unoccupied. This delay helps to optimize energy efficiency and maintain comfort within the building.

- **Minimum Occupied Time**: You can set the minimum duration for which the thermostat detects occupancy before it takes certain actions, such as adjusting temperature settings to unoccupied setpoint. This feature helps prevent the system from reacting to short-term movements or presence, ensuring that it responds to sustained occupancy, thereby optimizing energy usage and maintaining comfort effectively.

Open window detection

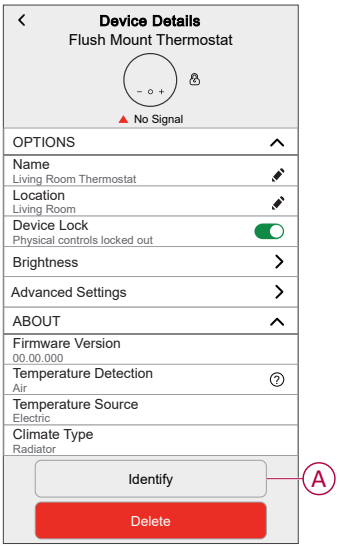
Windows open detection in a thermostat is a feature that utilizes sensors to detect when windows or doors are open in the vicinity. When an open window or door is detected, the thermostat can adjust the heating system to conserve energy. This helps improve energy efficiency and can contribute to cost savings by ensuring that the system operates more intelligently in response to changes in the indoor environment.
Switch the toggle to enable open window detection.

Identifying the device

Using the Wiser Home app, you can identify the thermostat from the other available devices in the room.

1. On the **Home** screen, tap .
2. Tap **Devices > Flush Mount Thermostat > Room settings > Identify** (A).

   NOTE: The thermostat LEDs on the dot-matrix display flash white while the wireless connectivity LED flashes green at the same until you tap **Ok**.

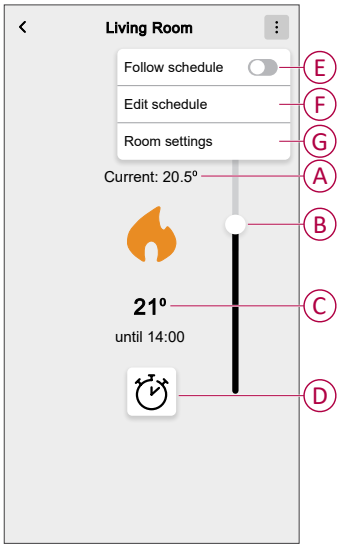


Using the device

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

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

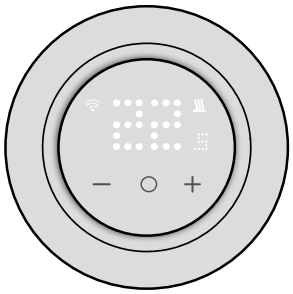
- The current temperature value (A)
- The sliding bar to adjust the temperature (B)
- The set-point temperature value (C)
- Boost mode (D) - To increase the room temperature by 2° C over the set-point temperature.
- Follow schedule (E) - Turning the toggle switch ON activates the selected schedule.
- Edit schedule (F) - Allows you to edit an existing schedule.
- Room settings (G) - Allows you to update the room details (name, location etc.).



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 the app

Using the Wiser Home app, you can adjust the room temperature.
To adjust the room temperature:

1. On the **Control** tab, tap **All** devices or a room tab where the thermostat is located.
2. To select a thermostat, tap .

3. Use the slider control and set the room temperature for heating.

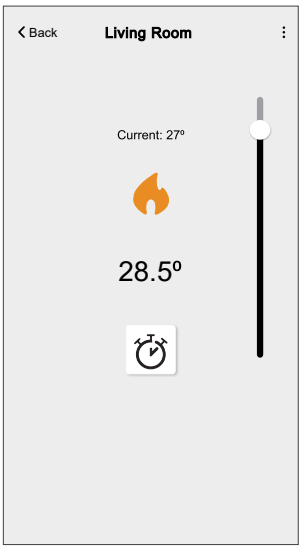
   NOTE:

   - 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.

   TIP: You can also adjust the set-point temperature:

   - By tapping or of the heating section on the **Control** tab.
   - When you add it to your **Favourites**. To know more about **Favourites**, refer to the **Managing Favorites** topic in the respective System User Guide.

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



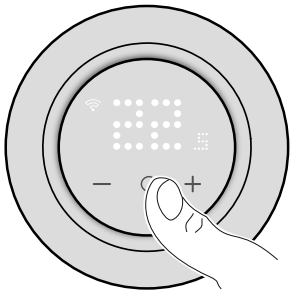
IMPORTANT: Once the boost time is set, the set-point temperature automatically increases by 2° C for the set boost time. After the boost time is over, the set-point temperature returns to the current scheduled event or to the previous set-point temperature.

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 current temperature.

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**.

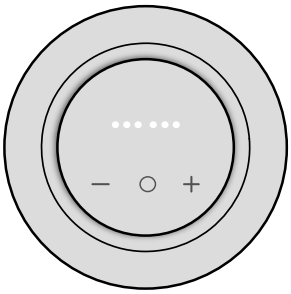
   After selecting the boost hours, thermostat will save and exit boost mode if there is no interaction within 5 s.

For example:
If the ambient temperature is 20° C and the set point is 18° C, there is no heat demand. If you want to increase the set point temperature for a short while you can boost heating. When boosted, the set point becomes 22° C (20 +2) for the desired boost duration. Once that duration ends, the set point goes back to its initial value, 18° C, or to the scheduled value if scheduling is enabled.

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.

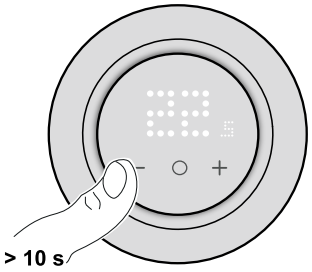


Turning on/off the device manually

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.

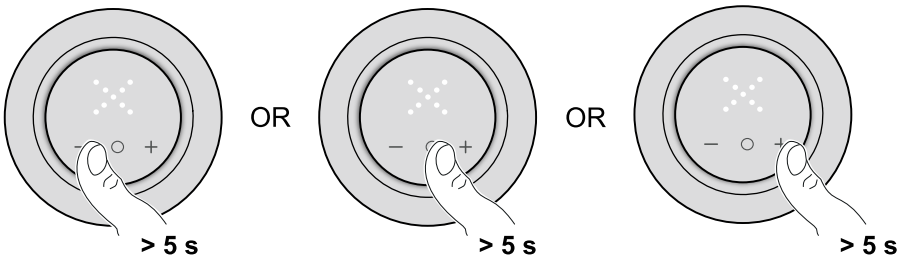
Press **–** for > 10 s to turn off.



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.

NOTE: When the thermostat is turned on/off manually, its status is not displayed in the Wiser Home app.

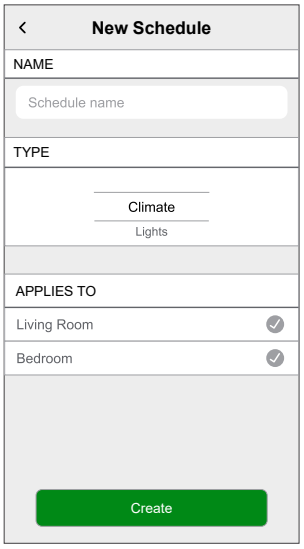
IMPORTANT: If your thermostat is OFF, your home is not protected against frost. Using the current version of the Wiser Home app, you can not switch back a thermostat ON. It can only be turned ON manually.
Hence, if you leave for holidays, it is recommended to lower the set point to the minimum, in frost protection level, instead of turning the thermostat OFF.

Creating a Schedule/Event

The device can be fully controlled and triggered by a 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 the schedule/event:

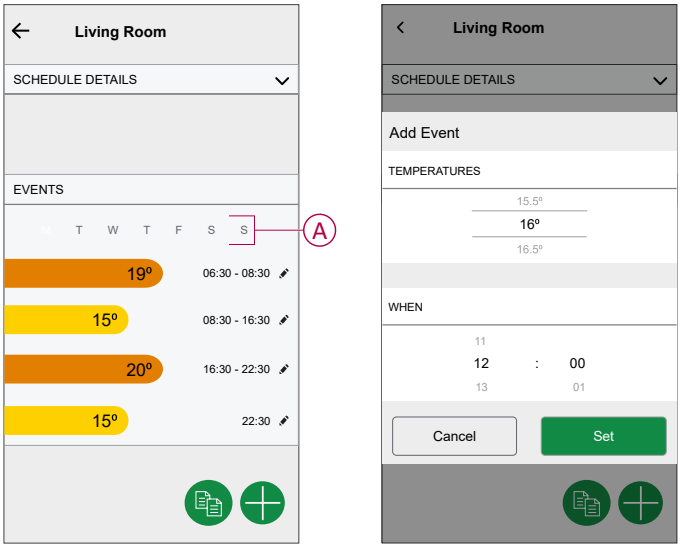
1. On the **Home** screen, tap .
2. Tap on the **Schedules** tab > .
3. On the **New Schedule** page, enter the **Schedule name**, select **Type**, and select room.
4. Tap **Create**.



5. Select any day (A) and tap for add event:
   - Select temperature (for example 16 °C).
   - Set time (for example 12:00).

   NOTE: A maximum of 8 events can be created per day.

   You can tap to copy the schedule from one day to other days or copy the entire schedule to a new schedule or to an existing one.

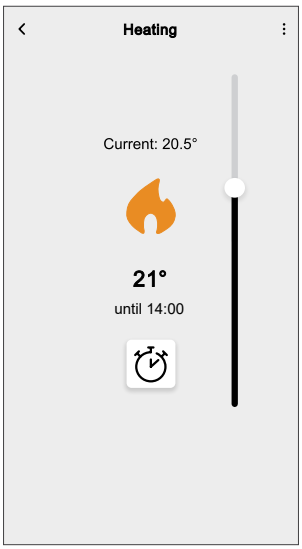


6. Tap **Set**.

7. On the top right corner of the screen, tap ⋮ and select **Follow schedule** toggle switch to turn on/off the schedule.

When your system is following a schedule:
The new set point will continue to be active until the next scheduled event.

You can see the until time on the **Control** tab under the device name. The until time shows the time till which the schedule is set to ON.

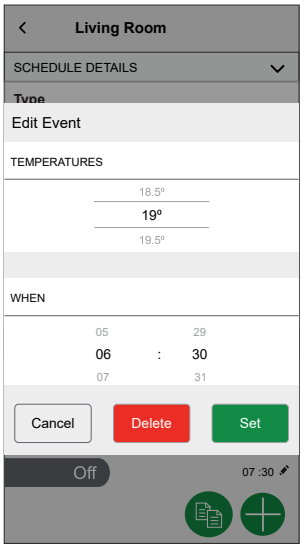


When your system is not following a schedule:
Any set-point changes made with the slider will continue to be active until the next time the slider is used.
The until time disappears from the screen.

Editing Schedule/Event

To edit the schedule:

1. On the **Home** screen, tap .
2. Tap **Schedules** tab and select the Schedule that you want to modify.
3. Tap **SCHEDULE DETAILS** to do any of the following:
   - To rename the device
   - To change the device location
   - To delete Schedule
4. To edit the **EVENTS**, select a day, and tap to change the time and temperature.



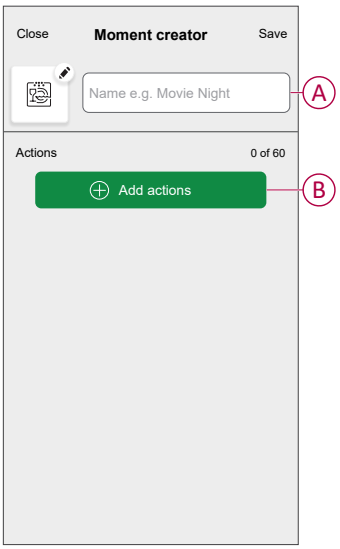
Creating a moment

A Moment allows you to group multiple actions that are usually performed together. By using the Wiser Home app, you can create moments based on your needs.
To create a moment:

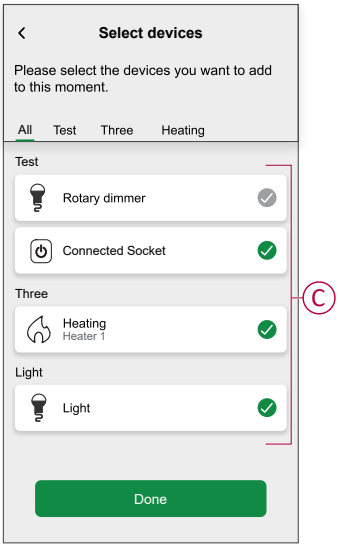
1. On the **Home** screen, tap .
2. Go to **Moments** > to create a moment.
3. Enter the name of the moment (A).

   TIP: You can choose the cover image that best represents your moment by tapping .

4. Tap **Add actions** (B) to select the list of devices.

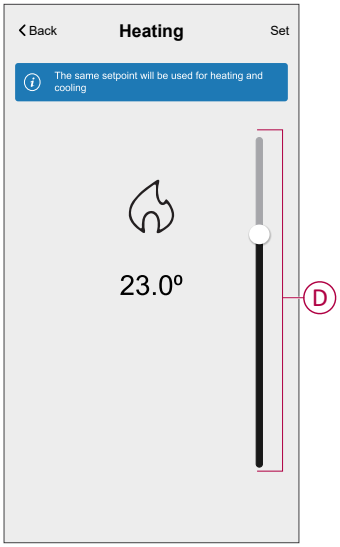


5. In the **Add actions** menu, you can select the devices (C).



6. Once all the device are selected, tap **Done**.

7. On the **Moment creator** page, tap the device to set the condition. For example, select heating.
   – Set the required temperature using sliding bar (D).



   When the desired condition is set, tap **Set**.
8. Once all conditions are set, tap **Save**.

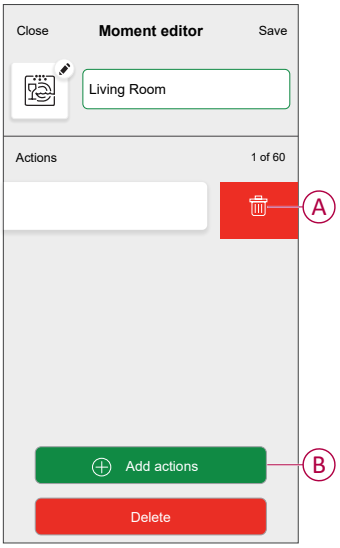
Once the moment is saved, it is visible on the **Moments** tab. You can tap on the moment to enable it.

TIP:

- If you want to see the created moments on the **Home** screen, go to **Home** > > **Home** screen > **Moments**. Enable the toggle button to view moments on the **Home** screen.
- You can also rearrange the moments by tapping **Edit** from the **Moments** tab on the **Home** screen, or by tapping **Automation** > **Moments** > **Reorder**.

Editing a moment

1. On the **Home** screen, tap **Automations**.
2. Go to **Moments**, locate the moment you want to edit and tap .
3. On the **Moment editor** screen, you can perform following changes:
   - Change the icon .
   - Rename the moment.
   - Tap each action to change the settings.
     - To remove an action, slide the action to the left and then tap (A) to delete it.
     - Tap ⊕ **Add actions** (B) to add new action.

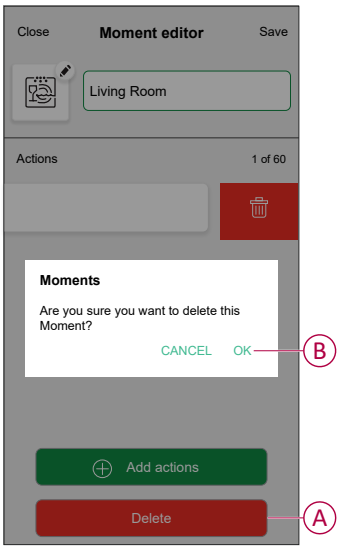


4. Tap **Save** to save the changes.

Deleting a moment

1. On the **Home** screen, tap **Automations**.
2. Go to **Moments**, locate the moment you want to delete and tap .

3. On the **Moment editor** screen, tap **Delete** (A) and then tap **OK** (B).

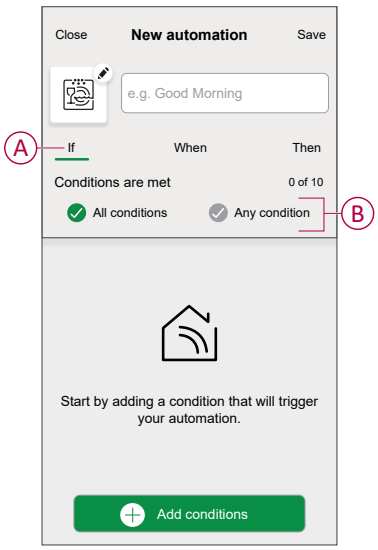


Creating an automation

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

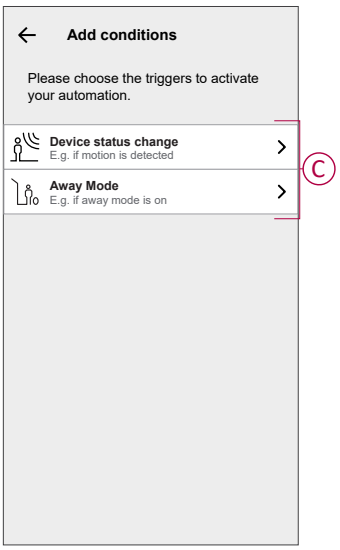
1. On the **Home** screen, tap .
2. Go to **Automation** > + to create an automation.

   NOTE: Maximum 10 automations can be added.
3. Tap **If** (A) and select any of the following conditions (B):
   - **All conditions**: This triggers an action only when all conditions are met.
   - **Any condition**: This triggers an action when at least one condition is met.

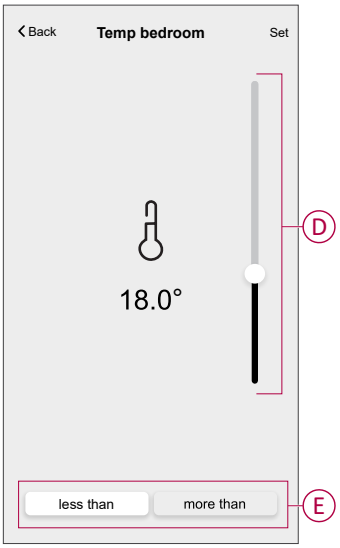


4. Tap **Add conditions** and select any of the following (C):
   - **Device status change**: Select a device to enable automation.
   - **Away Mode**: Enable/Disable away mode to trigger an action.

     TIP: Away mode can also be used as a trigger to turn off the lights, dimmer or closing the shutter etc. For more information about **Away Mode**, refer to the system user guide.



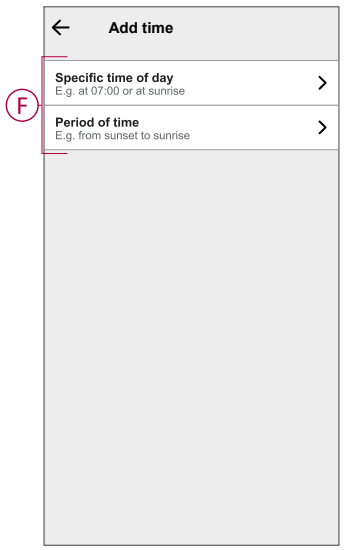
5. Tap **Device status change** > . Set the temperature using sliding bar (D) and select the condition (E) (less than / more than), then tap **Set**.



NOTE:

- Maximum 10 conditions can be added.
- To remove an added condition, swipe left and tap .

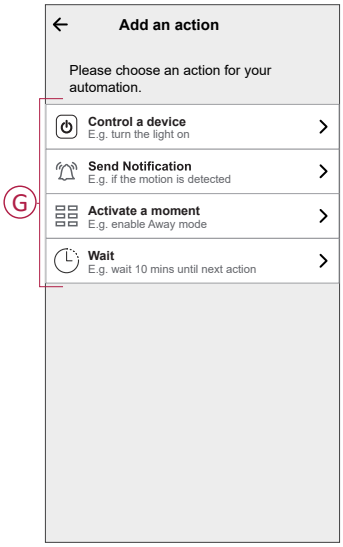
6. To set a specific time for your automation, tap **When** > **Add time** and select any of the following (F):
   - **Specific time of the day: Sunrise, Sunset, Custom.**
   - **Period of time: Daytime, Night time, Custom.**



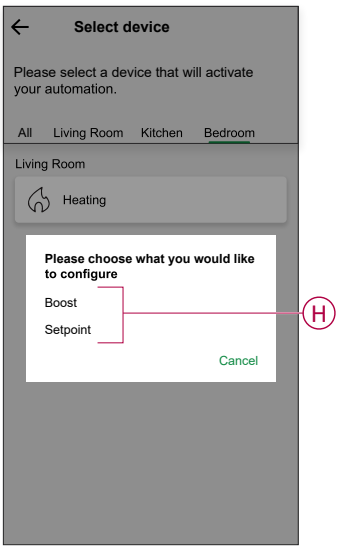
NOTE:

- Maximum 10 entries can be added
- To remove a specific time, swipe left and tap  .

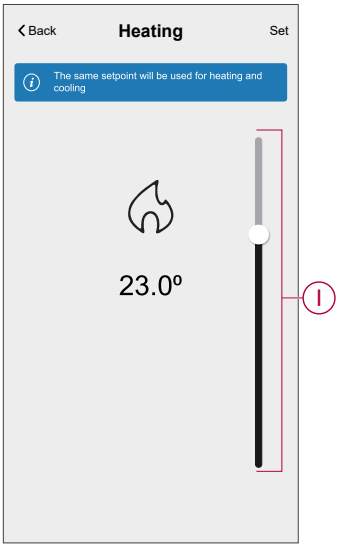
7. To add an action, tap **Then** > **Add an action** and select any of the following (G):
   - **Control a device**: Select a devices that you want to trigger.
   - **Send notification**: Turn on the notification for the automation.
   - **Activate a moment**: Select the moment that you want to trigger.
   - **Wait**: This option allows you to add a delay in an automation sequence. You can set the wait time in increments of 1 hour and 1 minute, up to a maximum of 24 hours. This feature is useful for delaying actions within an automation.



8. Tap **Control a device** > **Heating** and select any of the following (H):
   - **Boost**: Set the duration to increase the temperature by 2° C.
   - **Setpoint**: Set the desired temperature.



9. Tap **Setpoint**, set the required temperature using vertical sliding bar (I), then tap **Set**.

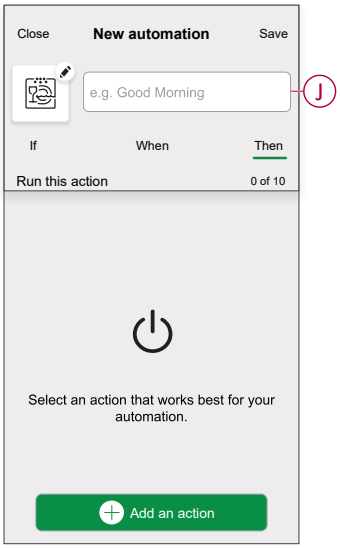


NOTE:

- Maximum 10 actions can be added.
- To remove an action, swipe it left on the action and then tap  .

10. Enter the automation name (J).

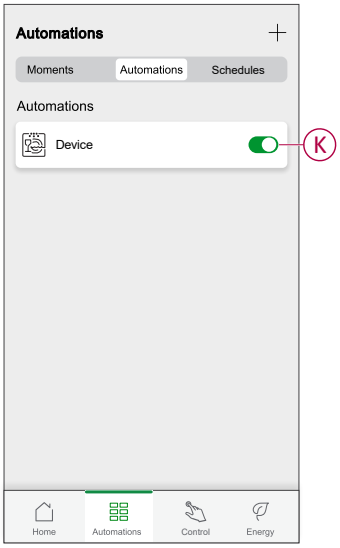
    You can choose the cover image that represents your automation by tapping  .



11. Tap **Save**.

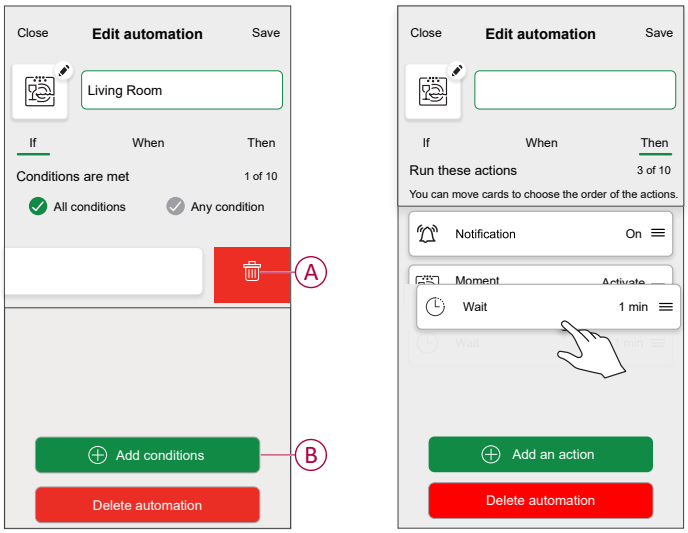
    Once the automation is saved, it is visible on the **Automation** tab.

    Using the (K) you can enable and disable the automation.



Editing an automation

1. On the **Home** screen, tap **Automations**.
2. Go to **Automation**, tap the automation you want to edit.
3. On the **Edit automation** screen, you can perform the following changes:
   - Change the icon.
   - Rename the automation.
   - Tap each condition to change the settings.
     - To remove a condition, slide the condition towards left and then tap (A) to delete it.
     - Tap ⊕ **Add conditions** (B) to add new condition.
   - To change the order of actions, tap the **Then** option, and hold an action, then drag and drop to the desired position.

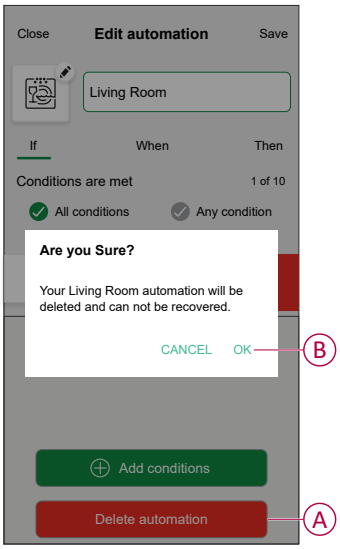


4. Tap **Save** to save the changes.

Deleting an automation

1. On the **Home** screen, tap **Automations**.
2. Go to **Automation**, tap the automation you want to delete.

3. On the **Edit automation** screen, tap **Delete automation** (A) and read the confirmation message and then tap **OK** (B).

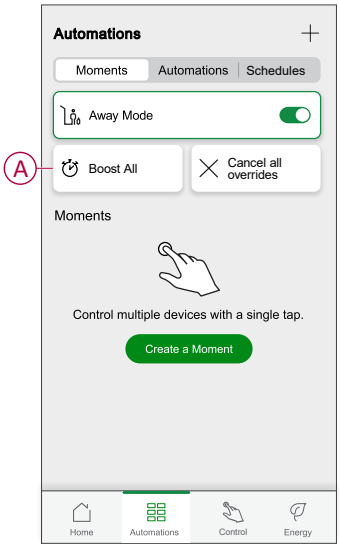


Built in Automation

There are three built in Automation such as Boost All, Cancel all overrides and Away mode.

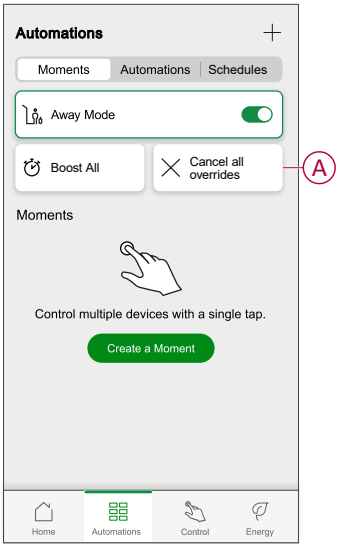
Boost All

You can apply a boost of +2 °C for 1 hour to every room in the system. It won't affect hot water in any way. As this is a "one-time action", you can find Boost All (A) in the "Automation" menu by clicking the "Automation" tab at the bottom of the **Home** screen.



Cancel all overrides

The Cancel all overrides (A) will put all the heating back under 'system control' meaning that if you've selected Boost All or even if you've boosted or manually overridden a room setpoint individually, this will cancel the override and put all the rooms back to their scheduled set points. You can find it in the "Automation" menu by tapping the "Automation" tab at the bottom of the **Home** screen.



Away Mode

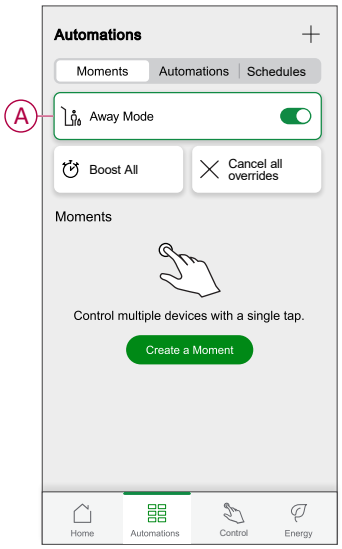
When Away Mode (A) is activated, all rooms will be set to the Away temperature (default 16 °C). It will show a checkmark in the “Automation” page when active. You can find it in the “Automation” menu by tapping the “Automation” tab at the bottom of the **Home** screen.

When Away mode is active, only rooms that have set point temperatures higher than the Away mode temperature will be affected. For example, if a given room is set to 5 °C, Away mode will not force it to the Away temperature.

While Away Mode overrides Boost and rooms that are and aren’t following a schedule, it is still possible to manually change the set-point temperature and boost individual rooms after activating Away Mode. It is also possible to boost or manually turn the hot water ON.

All rooms and hot water will display their Away mode values. The hot water will be turned OFF if you have activated this option on the Away Mode screen.

NOTE: The current temperature will not be displayed when away mode is activated.

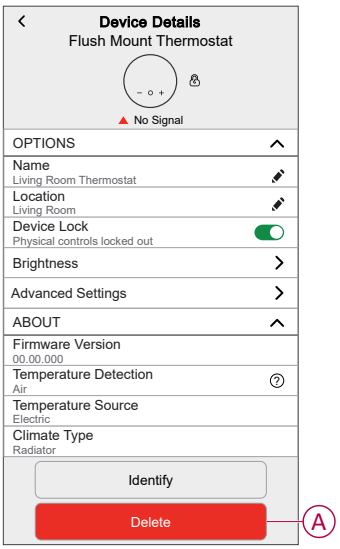


Removing the device

Using the Wiser Home app, you can remove the thermostat from the Wiser system.
To remove the thermostat from the Wiser system:

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

2. Tap **Devices > Flush Mount Thermostat > Room settings > Delete** (A).



3. Read the confirmation message and tap **Ok** to remove the thermostat from the Wiser system.

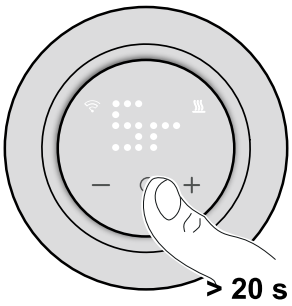
   NOTE: By removing the thermostat, you will reset the thermostat. If you still have a problem with the reset, then refer to resetting the device, page 48.

Resetting the device

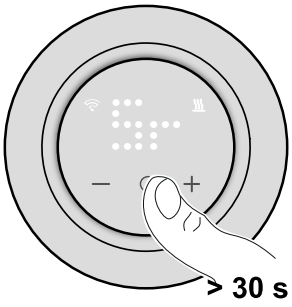
You can manually reset the thermostat to factory settings or soft reset.

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 rest.



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.

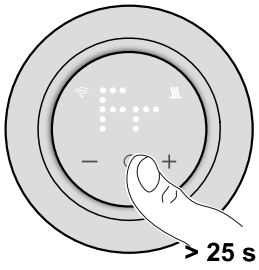


A soft reset will:

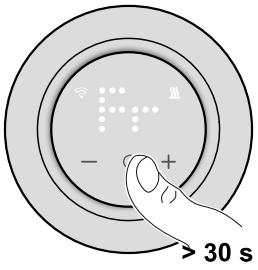
- Delete all Zigbee connection details.
- Delete all cloud and account details maintained by the device to allow re-registration.
- Revert to the default setpoint in manual control.
- Maintain all Factory settings e.g. MAC address.
- Maintain the installer configuration of the device to ensure proper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

Factory reset

In reset selection, press and hold the **O** touch button >25 seconds 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 9.



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 Zigbee connection details.
- 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.

Voice control

Using Amazon Alexa® or Google Home, you can control the thermostat with your voice.

Google Home

Google Home is a brand of smart speakers that works like Alexa. You can use Google Assistant to request information or perform an action using a variety of commands."

Common Wiser commands for Google Home:

- Inquiry: "OK, Google, is the hot water on?"
- Hot Water Command: "OK, Google, turn on/off the hot water.
- Room Temperature: "OK, Google, how warm is (room name)?"
- Set Temperature: "OK, Google, set (room name) to XX degrees."
- Increase Temperature: "OK, Google, increase the setpoint by XX degrees."
- Set Temperature: "OK, Google, set (room name) to XX degree."

Changes made with Google Home

All changes are made using a voice command related to the thermostat, valid for one hour or until the next scheduled event. The user cannot change this action. This also applies to boosts initiated from the radiator thermostat.

Amazon Alexa™

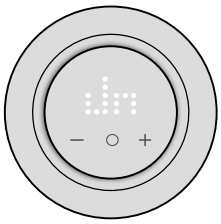
Amazon Alexa™ (Alexa) is an intelligent personal assistant developed by Amazon™, and is capable of voice interaction.

Common Wiser commands for Alexa

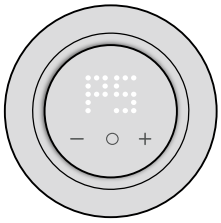
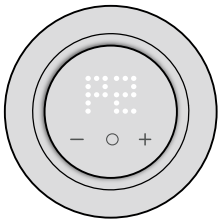
- Discover Devices: "Alexa, discover devices"
- Reduce Temperature: "Alexa, decrease the temperature upstairs by 4 degrees"
- Increase Temperature: "Alexa, increase the temperature upstairs by 3 degrees"
- Set Temperature: "Alexa, set the upstairs to 20 degrees"
- Get Temperature: "Alexa, what is the upstairs temperature?
- Get the Set Point: "Alexa, what is the upstairs set to?"

LED Indications

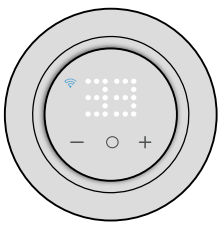
Pairing the device

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.

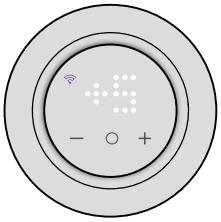
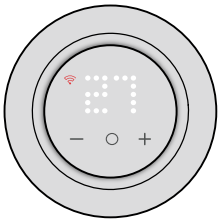
Presetting the device

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 9.

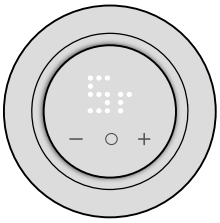
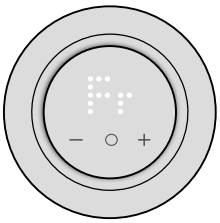
Setting a sensor type

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

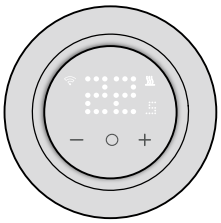
Setting a sensor type (Continued)

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.

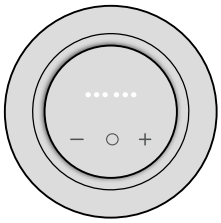
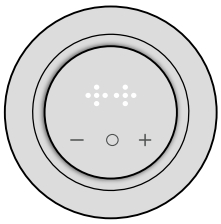
Resetting the device

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 48.
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 48.

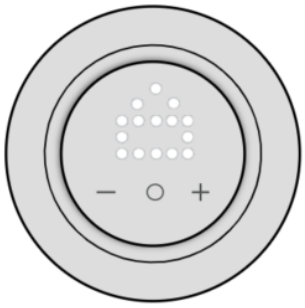
Showing demand - temperature control modes

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

Temperature display

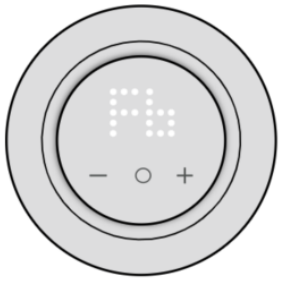
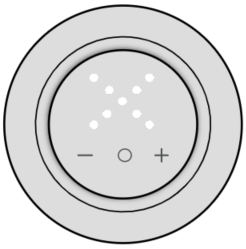
Status	User Interaction	Description
Temperature below minimum display value **OR** Temperature reading error.		**Note**: The thermostat matrix displays temperature limits -9 °C to 99 °C. The thermostat matrix display flashes “**--**” When the temperature is below -9 degrees. **OR** The thermostat matrix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

Away mode

Status	User Interaction	Description
Away mode is set in Wiser Home app.		A dot-matrix display glows, indicates that the thermostat is in away mode.

Troubleshooting

Symptom	Possible cause	Solution
Thermostat temperature measurement is not accurate.	Check the installation location for possible air flow in conduit box or installation tube.	Make sure there is proper sealing of the conduit box or installation tube, to prevent airflow from affecting sensor performance.
The thermostat has gone offline.	• The thermostat is not On. • The thermostat is no longer in signal range of the Hub.	• Turn the thermostat Off and On. • Move the Wiser Hub closer to the thermostat. **NOTE:** If the problem persists, tap **Help & Support** to visit Wiser Support pages.
Unable to join to the Wiser Hub (blinking red LED)	Poor signal between the Wiser Hub and thermostat. The devices have no power (Thermostat/ Wiser Hub/Wi-Fi® network).	• Rejoin the thermostat in the app. • Turn on the devices' power (Thermostat/ Wiser Hub/Wi-Fi® network).
Status	**User Interaction**	**Description**
Unable to set the room temperature by the app.	Wiser Hub signal is weak or not connected to the Wi-Fi® network.	Check for a Wi-Fi® signal.
Find and Bind		When the user press and holds the rotary push-button for >8s, "Fb" LED is displayed on the thermostat matrix display.

Symptom	Possible cause	Solution
		It is a Zigbee function, can be ignored.
“X” mark is displayed on LED matrix 	Device is lock and LED matrix displays “X”	
is displayed along the device on the **Control** screen.	• The floor sensor is reporting a fault. • The thermostat is reporting a fault. • The room temperature is detected by the floor sensor, while other sensors are available in the room. • The room contains multiple flush mount thermostats that are configured differently.	• If the floor sensor is reporting a fault, replace the floor sensor. **NOTE:** You can not control the temperature in the concerned room using the Wiser Home app, until you replace the floor sensor. • If the thermostat is reporting a fault, contact your installer. • If the room temperature is detected by the floor sensor, while other sensors are available in the room, remove all other sensors from the room. • If the room contains multiple flush mount thermostats that are configured differently, reassign the thermostats to other rooms.

Technical Data

Nominal voltage:	AC 230 V ~, 50 Hz
Nominal power:	2 A
Standby:	max 0.4 W
Connecting terminals:	Terminals for max. 2.5 mm², 0.5 Nm
Neutral conductor:	Required
Ambient temperature:	0 to 45 °C
Relative humidity:	max. 90% non-condensing
Temperature accuracy:	max. ±0.5 °C (across the range of 4 to 30 °C)
Temperature measurement resolution:	0.5 °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
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

Product Environmental Data

Find and download comprehensive environmental data about your products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP), End-of-Life instructions (EOLI) and much more.

https://www.se.com/myschneider

General information about Schneider Environmental Data Program

Click the link below to read about Schneider Electric’s Environmental Data Program.

https://www.se.com/ww/en/about-us/sustainability/environmental-data-program/

Declaration of Conformity

Hereby, Schneider Electric Industries SAS, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO EQUIPMENT DIRECTIVE 2014/53/EU.

Declaration of conformity can be downloaded on:

- https://www.go2se.com/ref=WDE011680

Trademarks

This guide makes reference to system and brand names that are trademarks of their relevant owners.

- Zigbee® is a registered trademark of the Connectivity Standards Alliance.
- Apple® and App Store® are brand names or registered trademarks of Apple Inc.
- Google Play™ Store and Android™ are brand names or registered trademarks of Google Inc.
- Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
- Wiser™ is a trademark and the property of Schneider Electric, its subsidiaries and affiliated companies.
- Amazon Alexa™ is a trademark of AMAZON TECHNOLOGIES, INC.
- Google Home™ is a trademark of Google INC.

Other brands and registered trademarks are the property of their respective owners.

Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00

www.se.com

DUG_Renova - ZB Thermostat 16 A_WH-00