



S SERIES
TOUCH BUTTON THERMOSTAT



SETUP GUIDE

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Getting Started

Your S Series thermostat is an advanced programmable thermostat, meaning you can set when your thermostat turns on and off based on your lifestyle.

With the scheduling function, you are able to choose at what times the heating will turn on during the day (and week) and what temperature the thermostat should reach. The thermostat will then automate this schedule so you don't have to touch it.

The best practice when using this thermostat is to find a low temperature (e.g. 18°C) and turn it up by 1°C each day until the temperature is comfortable. This method also helps to save energy and money.

Please note that this thermostat has an in-built air sensor to detect the ambient temperature of the room. Putting the thermostat behind curtains, blocked by furniture or near appliances that generate heat could cause the thermostat to malfunction.

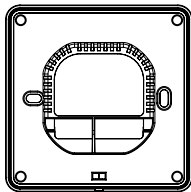
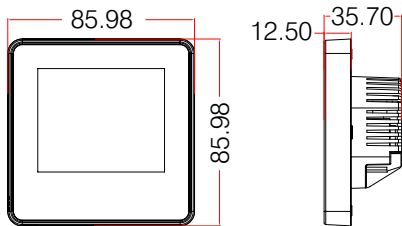
Installation

For best results, make sure your thermostat is:

- Installed between 1.2 - 1.5 metres high
- Not near a direct heat source (as it will affect sensor functionality)
- Not in direct sunlight (to prevent false temperature readings)

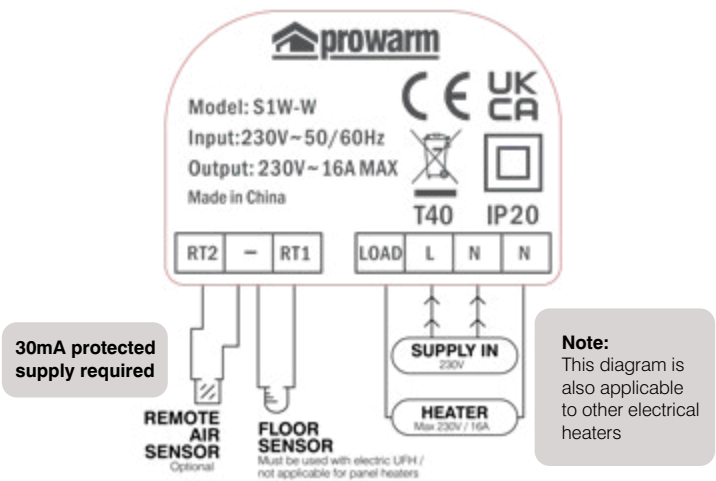
Please note the S Series thermostat is designed to be flush mounted and requires a back box depth of 35mm (minimum) to be sunk into the wall prior to installation.

Thermostat Dimensions



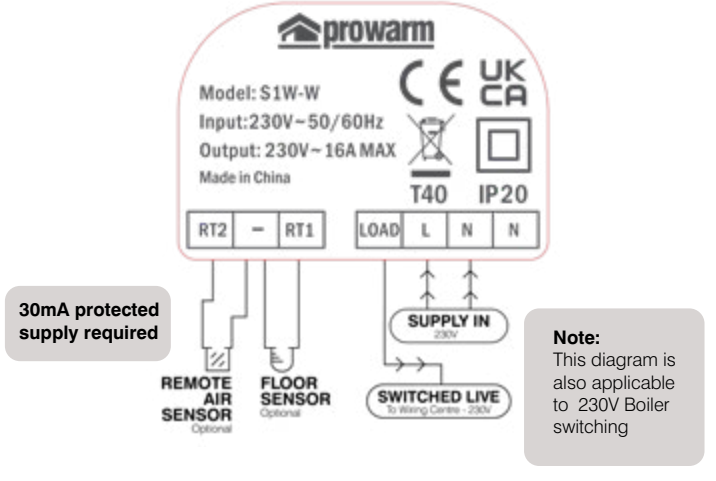
Wiring Diagrams

Electric Underfloor Heating / Electric panel heaters



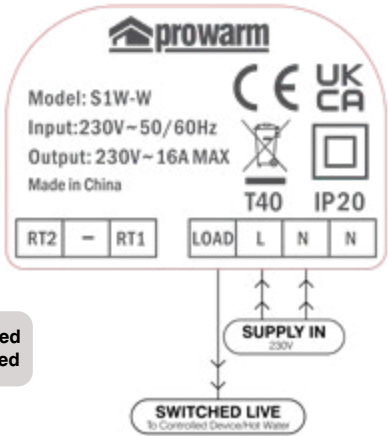
Wiring Diagrams

Water Underfloor Heating / Radiators



Wiring Diagrams

Time Clock



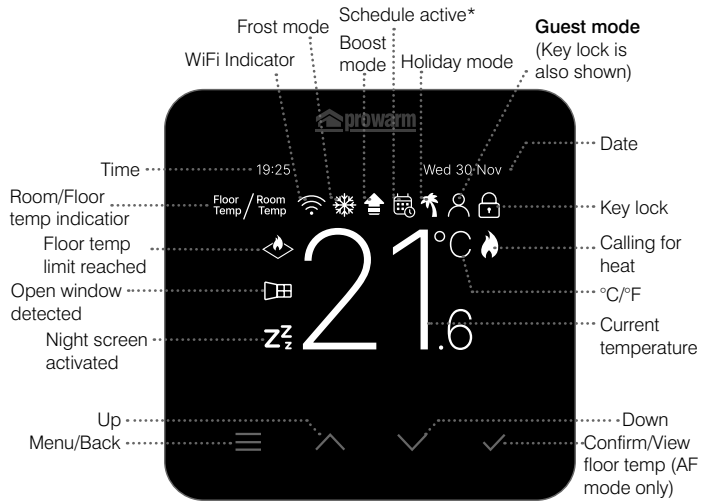
30mA protected supply required

Note:
To control hot water, you must connect via a cylinder stat.

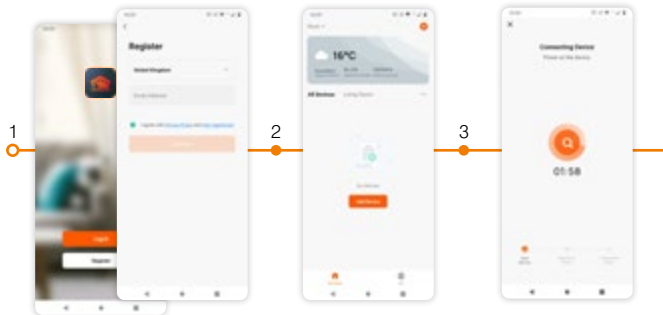
This device can also be used to control an immersion heater.

Thermostat Symbols

*Manual mode active:



Connect to Prowarm App (Pairing Mode 1)



Scan the QR code on the back of this booklet or on the box.

Register and log in with mobile number/email address in the APP.

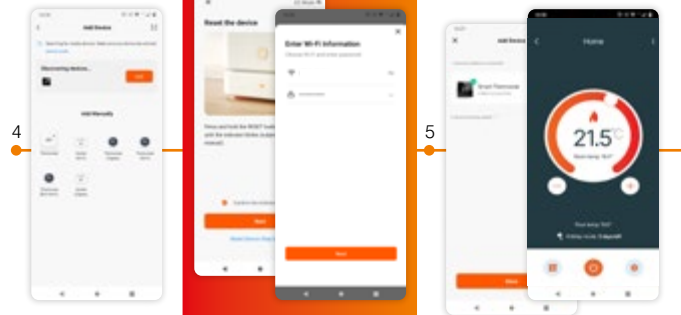
Attention: Please read and agree 'Privacy Policy and Service agreement' before registration.

Click 'Add Device' or '+' on the top right to add device.

During setup, please allow the app access to location permissions on your phone.

The app will scan and attempt to find your device. Ensure thermostat is in **Pairing Mode 1** and bluetooth is enabled on your phone.

*Follow steps on **page 31** to enter the pairing mode settings for the thermostat.*



When device is found, press **Add** and follow step 5. If device is not found, click 'Thermostat (WiFi)' from the 'Add Manually' list and follow the **Adding Manually** step.

Adding Manually

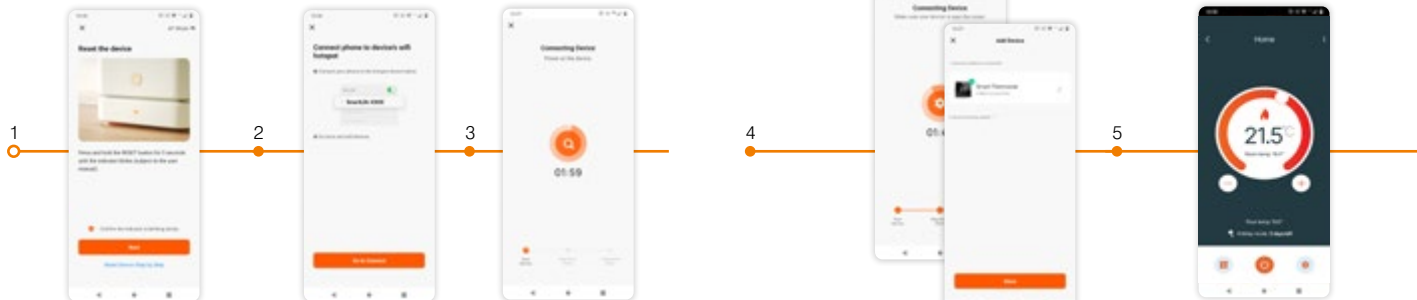
Ensure the app is in 'EZ Mode' (top right of screen). Ensure wifi symbol is **flashing rapidly in Pairing Mode 1**. Once connected, select your WiFi and enter your password.

Once connected, the 'Added successfully' screen will appear and you now have access to the thermostat through the app.

Trouble connecting?

Ensure your WiFi is connected to the '2.4Ghz band'. If this doesn't help, use 'AP Mode' on the next page.

Connect to Prowarm App (Pairing Mode 2)



Reset the thermostat and put the app into WiFi mode 2 in Settings > WiFi (refer to **page 31** for more information).

Connect your phone to the thermostat hotspot.
(SmartLife-XXXX)
Please note your mobile device will have no internet while pairing.

The app will scan and attempt to find your device. Ensure thermostat is in **Pairing Mode 2** and bluetooth is enabled on your phone. Ensure thermostat is **blinking slowly**.

When device is found, press **Done** and follow step 5.

Once connected, the 'Added successfully' screen will appear and you now have access to the thermostat through the app.
Trouble connecting?
Let us help getting your device connected. Call our dedicated technical team on **01268 567019**.





Set the Time & Date

Setting the Time

When connecting to WiFi, the date and time set automatically

Note: default clock is 24 hour. To change see page 17.

1. Press .
2. Using \wedge & \vee select  **Time & Date**. Confirm with \checkmark .
3. Select **Set Time** using the arrow keys and press \checkmark to confirm.
4. Set hours using the arrow keys and press \checkmark to confirm.
5. Set minutes using the arrow keys and press \checkmark to confirm. Once confirmed, you will return to the previous menu.

Setting the Date

1. Select **Set Date** using the arrow keys and press \checkmark to confirm.
 2. Set day using the arrow keys and press \checkmark to confirm.
 3. Set month using the arrow keys and press \checkmark to confirm.
 4. Set year using the arrow keys and press \checkmark to confirm.
- Once confirmed, you will return to the previous menu.

12/24 hour clock

Select **12/24 hour clock** using the arrow keys and press \checkmark to confirm.

Select desired clock setting, 12 or 24 hour clock and press \checkmark to confirm.


Press \equiv to return to home menu.



Schedule


Setting up a schedule

1. Press \equiv .
2. Using \wedge & \vee select  **Schedule**. Confirm with \checkmark .

The schedules allow you to automate your heating habits 7 days a week. Press  Settings to choose your schedule mode. There are 5 modes available:

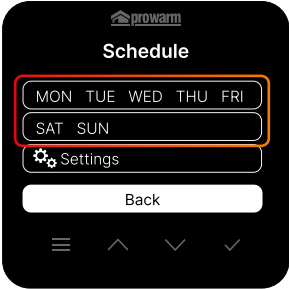
1. MTWTF+SS (Weekdays & Weekends)
2. MTWTF+S+S (Weekdays, Saturdays & Sundays)
3. M+T+W+T+F+S+S (Separate schedule every day)
4. MTWTFSS (All days the same)

Modes 1-4 will show a Schedule mode  icon on the home screen.

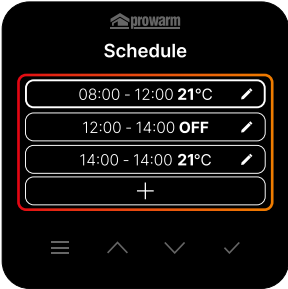
5. Manual Mode (Operate the temperature manually from the home screen with \wedge & \vee arrows). The Manual mode  icon will be visible on the home screen .

Editing a schedule

(Based on MTWTF+SS)



1. Select one of the day groups with ^, v & ✓.



2. Select a schedule block with ^, v & ✓ or add a new group by selecting + (Maximum 6).



3. Change the times and temperatures with ^, v & ✓. Time changes in intervals of 15 minutes.

If there's a time that the heating should be off, choose **OFF** on the block settings (press v until off).

Tip: For off-peak periods, it may be more efficient to turn your heating down instead of turning it off.




4. Once you're happy with your schedule blocks, press back or ≡ and move onto the next day group.

Note: the start and end times of each schedule block will always match up to create a 24/7 schedule, if you choose an end time after the next schedule starts, the start time will move to match.




Boost

Using Boost allows you to temporarily override the target temperature of a schedule to a warmer temperature. The duration can be customised.

1. Press \equiv .
2. Using \wedge & \vee select  **Boost**. Confirm with \checkmark .
3. Use \wedge & \vee to select "On". Confirm with \checkmark .
4. Use \wedge & \vee to change the set temp and press \checkmark to confirm.
5. Use \wedge & \vee to change the hours and press \checkmark to change minutes. Press \checkmark to confirm.

Once confirmed, you will return to the home screen.

The Boost  icon will then be visible on the home page. The duration of the boost is visible in the bottom right corner.

Override


Whilst the thermostat has a schedule active, you can temporarily adjust the temperature which will remain in effect until the next schedule time or until cancelled.

Using \wedge & \vee , set the override time and press \checkmark to confirm. To cancel, press the \equiv and confirm with \checkmark .



Energy Monitor

When using an electric heating source, you can keep track of your energy usage from the thermostat. When using a water heating source, you can view the running time from the thermostat.

1. Press \equiv .
2. Using \wedge & \vee select  **Energy Monitor**. Confirm with \checkmark .
3. Select System settings first and choose **Electric** or **Water** based on your heating type.

Electric

If using electric heating, select **Electric** with \checkmark . Then select **Update Energy Costs** with \checkmark . Input your cost of electric per Kilowatt hour using \wedge , \vee & \checkmark . *You can find this from your electricity provider, either directly, from their app or from a smart meter if equipped with one.* This will return you to the previous menu.

Once done, select **System Power** with \wedge , \vee & \checkmark and enter the total wattage of the electric heaters controlled from this thermostat. *You can find this from the supplier of your heater. If using a ProWarm™ electric underfloor heating system, you can find this from your installation certificate or phone us if unsure on **01268 567019**.* This will return you to the previous menu.

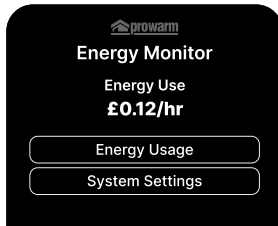
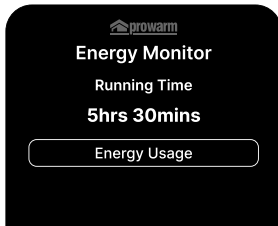
Once the electric data is inputted, select **Energy Usage** with ✓. This will display the energy usage per Kw/h in intervals of 30 days, 7 days and 24 hours to give you an accurate breakdown of your heating costs. Please bear in mind this will take a few days to gather the most accurate data from your schedule.

Water

If using water heating, select **Water** with ✓. Then select **Energy Usage** with ✓. This will display the running time in intervals of 30 days, 7 days and 24 hours to give you an accurate breakdown of heating usage.

Energy Usage

You can see an hourly overview (electric) and current running time (water) from the Energy Monitor screen.



Holiday Mode

Holiday mode leaves your heating running on a reduced temperature for a specified duration whilst your home is empty to stop it getting too cold.

1. Press ≡.
2. Using ^ & v select 🌴 **Holiday Mode**. Confirm with ✓.
3. Turn Holiday Mode on or off with ^, v & ✓.
4. Set the temperature on the next screen using ^, v & ✓. After, confirm days required with ^ & v. Press ✓ to confirm.

Once confirmed, you will return to the home screen.

The Holiday 🌴 icon will then be visible on the home page. The amount of holiday left is visible in the bottom right corner.





Frost Protection

Frost Mode sets a minimum temperature (max 16°C) that turns on the thermostat to avoid pipes freezing in colder temperatures. When frost mode is active, it overrides other modes.

- 1. Press ≡.
- 2. Using ^ & v select ❄ **Frost Protection**. Confirm with ✓.
- 3. Turn Frost Mode on or off with ^, v & ✓.
- 4. Set the temperature on the next screen using ^ & v. Press ✓ to confirm.


Once confirmed, you will return to the previous menu. A snowflake symbol will be present on the thermostat when activated.



Settings

To access the settings menu:

- 1. Press ≡.
- 2. Using ^ & v select ⚙ Settings. Press ✓ to confirm.



Setup

Setup includes all the options when the thermostat is first installed. It is recommended an installer carries this out first before the thermostat is used to heat the room. Within the setup menu, you will find System

type, Sensors, °C / °F options and Night Screen. Navigate through these menus using ^, v & ✓. To leave these menus or to go back one screen, press ≡.

System Type

Choose what system type is right for the use of this thermostat. The thermostat will then change the sensor type and where applicable a max floor temperature limit.

Electric Underfloor Heating	Electric underfloor heating systems such as Sticky Mats, Loose Cables, Foil Mats etc.
Water Underfloor Heating	For all water-based underfloor heating systems.
Radiator	For conventional radiators.
Wall Panel Heating	For wall mounted heaters such as electric heaters, electric radiators, skirting board heating etc.
Hot Water/Time Clock (Refer to page 35 for a more detailed guide on this)	Converts the thermostat into a Time clock for multiple uses. Normally used to turn hot water tank on and off but can be used as a time clock/switch for other appliances. (read manufacturer's guide before installing this way).

Floor Type (Underfloor heating only)

If using electric or water underfloor heating, choose the floor covering that is used with your system.

Tiles	Sensor changed to Air & Floor. Floor temp limit of 30°C.
Wood / Laminate	Sensor changed to Air & Floor. Floor temp limit of 27°C.
LVT / Vinyl	Sensor changed to Air & Floor. Floor temp limit of 27°C.
Carpet	Sensor changed to Air & Floor. Floor temp limit of 30°C.
Other <i>Unsure? Call Prowarm on 01268 567019</i>	Manually set sensor type and floor temp limit in the advanced settings menu. Go to Settings > Advanced Settings. Calibrate your sensors and set floor temp limit based on the floor.

Sensors

If you want to add/change sensors, you can do this here. Choose between the following options:

Air & Floor	Uses the in-built air sensor and floor probe to read the room temperature and the floor temperature (for underfloor heating).
Air only	For use with any heating system that isn't electric underfloor heating.
Floor only	For underfloor heating only. Must use floor probe provided (No room temperature reading).
Remote Air only	Uses a remote air sensor (not included) to record the temperature of other areas (e.g. bathrooms).
Remote Air & Floor	Uses a remote air sensor and floor sensor (not included) to record the temperature of other areas (e.g. bathrooms).



°C / °F

Use this feature to switch temperature units from Degrees Celcius (°C) to Degrees Farenheit (°F).

Night Screen

This feature stops screen glare at night by reducing the brightness of the display at specified times.

SLEEP: Sets the time the display will reduce brightness.

WAKE: Sets the time the display will revert back to the brightness already set on the device.

BRIGHTNESS: Sets the brightness of the display between the **SLEEP** & **WAKE** time period.

This function will not interfere with the screen timeout settings.

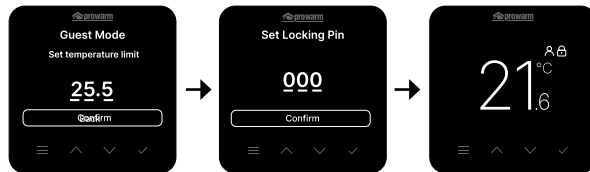
Between the **SLEEP** & **WAKE** time periods, the brightness function in Settings > Display will be overruled by Night Screen.



Key Lock

There are 2 types of lock functions on the thermostat. Type 1 is **FULL LOCK** that locks all thermostat functionality. Holding down \wedge & \vee for 10 seconds will unlock the thermostat. (Holding down these will also lock the thermostat if unlocked).

Type 2 is **GUEST MODE**. This allows you to set an upper temperature limit preventing guests from using the system inefficiently. A 3 digit pin code is then set to prevent guests from accessing the menu options. (**Note:** If you forget your pin, call Prowarm technical team for support).



Display


In display settings, you can change the screen brightness and screen timeout settings. Screen timeout affects the length of time the screen will remain on for when inactive.













Note: The screen brightness will be affected by NIGHT SCREEN, but will revert to the brightness set here when NIGHT SCREEN ends (for more information on Night Screen, go to page 28).



WiFi

The ProWarm app can connect to the thermostat for seamless control of your heating from anywhere. Make sure the Prowarm app is installed from the QR code on the box or the QR code found in the thermostat WiFi menu under "Download App Info".

You can also search in your app store for Prowarm .

1. Press .
2. Using  &  select  **Settings**. Confirm with .
3. Using  & , navigate to  **WiFi** & confirm with .
3. Using  & , choose **Enter pairing mode** & confirm with .

Make sure **Pairing mode 1** is selected and follow the steps found on page 12 & 13. If this fails try **Pairing mode 2** and follow the steps on page 14 & 15.



Factory Reset

Factory Reset will reset your thermostat back to factory settings, which includes all settings and schedules. Please note this action cannot be undone.



Advanced Settings

These settings change how the thermostat works and should only be changed by a professional, or with help from the ProWarm team if you are not 100% sure what to change.

Built-in Air Sensor Calibration

The built in sensor can be adjusted to + or - 3°C if the temperature needs to be adjusted for a more accurate measurement.

Floor Sensor Calibration

The floor sensor can be adjusted to + or - 3°C if the temperature needs to be adjusted for a more accurate measurement.

Remote Air Sensor Calibration

The air sensor can be adjusted to + or - 3°C if the temperature needs to be adjusted for a more accurate measurement.

Floor Protection Temp

When using **Air and Floor temp** or **Remote Air and Floor temp**, a floor temperature limit needs to be set to cut off the heating and protect the floor from overheating. When using an Air and Floor setup, the thermostat will operate on air temperature but will have a maximum floor temperature cut off.

Output Delay

Setting an output delay can help with rapid switching that can happen when the desired temperature is reached. Set a delay to allow for a pause before the temperature turns on again once it drops.


Switching Differential

This determines how accurate the temperature control is. Choose between 0.5°C, 1.0°C, 1.5°C & 2.0°C to determine how far the temperature can differ either side of the target temperature before the thermostat switches on/off.

Open Window Detection

If the thermostat detects a sudden drop in temperature, (e.g. if a window was left open) the thermostat will pause heating for 15 minutes to help save energy. Turn this mode off to constantly heat no matter the conditions.



Learning Mode

The thermostat will learn the scheduling on/off times and will turn on early to reach the desired temperature at the specified time, to create a more stable heat through your schedule. When calling for heat, the flame symbol will be replaced with  to show it is heating early. **Note:** it will not turn off early if next temperature in the schedule is lower.

Menu Timeout

This setting determines how long the thermostat remains on the Menu or sub-menu screens before automatically returning to the home screen after a period of inactivity. This function is designed to prevent accidental changes, reduce energy consumption, and ensure the thermostat returns to its main display. *Note: the screen timeout function counts down after the menu timeout has finished.*

Power Off Thermostat

To power off your thermostat, either hold down  &  for 5 seconds or use the ProWarm app. This can be found at the bottom of the main screen.

Troubleshooting

Need some more help with your thermostat? Scan the QR Code below to view our installation guides and manuals for extra support. Contact us if you are still unsure for expert help.



Scan here for install guides and manuals

Error Codes

If the thermostat encounters errors with sensors, it will display a number of codes related to the issue for debugging purposes. **Refer to page 27 to ensure your sensor selection is correct.** Failing that, speak to your installer or engineer to check for sensor connection issues.

Still stuck? Call us on 01268 567019

E1: Internal temperature sensor short circuit

E2: Internal temperature sensor open or not connected

E3: Remote Air temperature sensor short circuit

E4: Remote Air temperature sensor open or not connected

E5: Floor temperature sensor short circuit

E6: Floor temperature sensor open or not connected

Hot Water / Time Clock Mode

Refer to page 10 on how to wire up the thermostat in Time Clock Mode.

Time Clock mode changes the functionality of the thermostat to be an on/off switch function. This mode is ideally suited for controlling your hot water tank, but can also be programmed as a smart switch for any household electrical items that require a timer or switch (e.g. outdoor lighting or spa). The thermostat switches to a simplified layout with less menu options.

Time & Date functionality stays the same.

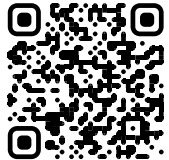
Schedule stays the same, except the temperature reading is replaced with “on” and “off”. Refer to pages 17-19 for instructions on how to set up your schedule.

Boost functionality acts as an extension of time, not the temperature.

All settings stay the same. If you wish to revert back to standard thermostat mode, go to **Settings > Setup > System Type** and choose the system type relevant to your heating system.



Get the **prowarm** app and unlock the *full potential* of *smart heating*.



Get in touch



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