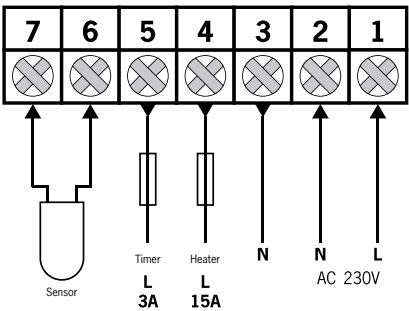


Installing the Dual Thermostat and Towel Rail Timer

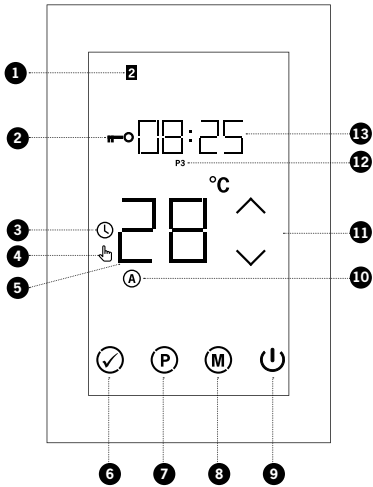
Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat. Carefully unplug the cable connector which is plugged into the front half of the thermostat. Place the thermostat front half somewhere safe. Follow the wiring diagram to connect the floor heating cold leads, remote temperature sensor, heated towel rail and electrical supply to the appropriate terminals. Screw the thermostat back plate on to the electrical mounting plate. Re-connect the thermostat cable and clip the two halves together.



Technical Data

Supply voltage	220 - 240VAC
Maximum load	18A(15A + 3A)
IP Rating	IP20
Warranty	2 Years
Width	80mm
Height	120mm
Depth	45mm (27mm in wall)
Temperature Range	5°C - 35°C
Floor Sensor Resistance at 25°C	10Ω
Orientation	Portrait

User Interface



- 1. Day indicator
- 2. Key lock icon
- 3. Schedule mode icon
- 4. Manual mode icon
- 5. Temperature indicator
- 6. Confirm settings
- 7. Program button
- 8. Mode button
- 9. Power button
- 10. Air/Floor sensing mode
- 11. Up & down arrows
- 12. Program period
- 13. Time

Setting the date and time

Press and the time will begin to flash. Use to select the correct time. Press until the day begins to flash (Note: Monday is Day 1). Use to select the correct day. Press to save the settings.

Heating Modes

When the unit is on, press to switch between manual and schedule modes.

Manual Mode

In the manual mode press the to set the desired temperature in the thermostat setting or ON/OFF in the towel rail timer setting.

Schedule Mode

In the schedule mode the unit will follow the heating schedule that is set. By pressing the arrows it will override the current programmed temperature until the next programmed period.

Alternating between the thermostat and towel rail timer settings

When the unit is turned on press and hold for about 5 seconds to switch between the underfloor heating thermostat (with temperature displaying) and the towel rail timer (with ON or OF displaying).

Advanced Settings

To access the advanced settings, turn the unit off by pressing Press to display setting 01. Use the to adjust the settings Press to cycle between setting 01 to 04. Press to save the settings

Menu	Description	Range	Default
01	Sensor Mode	A=Air Sensing Only F=Floor Sensing AF=Air & Floor Sensing	A= Air Sensing Only
02	Max Floor Temp Limit	20°C - 40°C	40°C by default
03	5+2 or 7 day Programming	01= 5+2 day program 02 = 7 day program	01 = 5+2 day program
04	Screen saver	ON = activated OF = not activated	OF= not activated

Key Lock

To lock the key pad, press and hold the for 5 seconds or until the displays. To unlock press and hold the until the disappears.

## Set up your heating schedule (For 5+2 Day Program)

Turn the unit on by pressing **⏻**

To set up the heating schedule for Monday to Friday press **Ⓢ**

The time for P1 will flash. This is the first ON period for the day.

Use the **^** **∨** to adjust the time to when the underfloor heating will turn on in the morning.

Press **Ⓢ** and the temperature will flash.

Using the **^** **∨** select the desired heating temperature for P1 (Recommended between 22-28°C).

Press **Ⓢ** to set period 2, which is when the underfloor heating will turn off. Use the **^** **∨** to adjust the time.

Press **Ⓢ** and the temperature will flash. Using the **^** **∨** select the off temperature for P2 (Recommended between 15-18°C).

Repeat above steps for P3 and P4 and then press **Ⓢ**

(Note: P3 is turning the underfloor heating on in the evening and P4 is turning it off in the evening)

If the underfloor heating is only required to be on once a day set a lower temperature for both P3 and P4 and ensure that the times set for P3 and P4 is after the time set for P2.

When Monday-Friday has been set press **Ⓢ** to go onto the Saturday and Sunday schedule.

The time for P1 will flash. This is the first ON period for Saturday and Sunday.

Use the **^** **∨** to adjust the time to when the underfloor heating will turn on in the morning.

Press **Ⓢ** and the temperature will flash.

Using the **^** **∨** select the desired heating temperature for P1 (Recommended between 22-28°C).

Press **Ⓢ** to set period 2, which is when the underfloor heating will turn off. Use the **^** **∨** to adjust the time.

Press **Ⓢ** and the temperature will flash. Using the **^** **∨** select the off temperature for P2 (Recommended between 15-18°C).

Repeat above steps for P3 and P4 and then press **Ⓢ**

For Saturday and Sunday if you want to clear the time period of P2 and P3, press **Ⓢ** during programming. Press **Ⓢ** again to cancel.

## Set up your heating schedule (For 7 Day Program)

Change the advanced menu option 03 to setting 02 (7 Day Program) as per instructions in the advanced settings section.

The 7day program option means that all 7 days can be programmed to the same schedule or all 7 days can be programmed individually.

Press **Ⓢ** until the day display flashes. If programming all 7 days individually use the **^** **∨** to select the day to program first.

If programming all 7 days to the same schedule, press and hold the **∨** button for about 5 seconds to select all 7 days.

To set up the heating schedule press **Ⓢ**

The time for P1 will flash. This is the first ON period for the day.

Use the **^** **∨** to adjust the time the underfloor heating will turn on in the morning. Press **Ⓢ** and the temperature will flash.

Using the **^** **∨** select the desired heating temperature for P1 (Recommended between 22-28°C).

Press **Ⓢ** to set period 2, which is when the underfloor heating will turn off. Use the **^** **∨** to adjust the time.

Press **Ⓢ** and the temperature will flash. Using the **^** **∨** select the off temperature for P2 (Recommended between 15-18°C).

Repeat above steps for P3 and P4 and then press **Ⓢ**

(Note: P3 is turning the underfloor heating on in the evening and P4 is turning it off in the evening)

If programming all 7 days to the same schedule, the program is now set up.

If programming all 7 days individually, press **Ⓢ** and use the **^** **∨** to select the next day to program.

## Setting up your towel rail timer schedule

To set up the towel rail timer schedule alternate to the timer mode (ON/OFF display) by pressing and holding the **Ⓢ** button for approx. 5 seconds. The towel rail timer schedule is set up in the same way as the thermostat so follow the above procedure. However instead of setting a temperature the towel rail timer mode just has ON/OFF status to set.

## Temporary override

Turning the timer onto temporary override will allow the unit to be operated on manual until the next programmed period.

In schedule mode, press **^** **∨** and the temperature display will flash. Use **^** **∨** to adjust the desired temperature and press **Ⓢ** to confirm. **TEMPORARY** will be displayed below the temperature display. The thermostat will maintain the newest temperature until the next programmed period. To cancel the override setting press **Ⓢ**.

## Factory Reset

Press **⏻** to turn the timer off

Press and hold **Ⓢ** until 05 is displayed.

Press and hold **∨** for approx. 5 seconds. **FES** will display on the screen and then the timer has been reset. Turn the timer back on to setup the program.