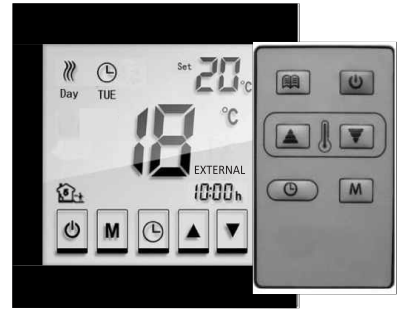


UNDERFLOOR HEATING TIMERSTAT

TSTAT - B (Black) TSTAT - WW (White)

Installation and User Instructions



- * 6 daily time periods
- * Manual override
- * 16amp capacity/23sqm@150w
- * Heating ON/OFF function
- * External floor probe - 10k Ohms
- * Illuminated screen
- * Frost Protection

I : Turns the timerstat ON or OFF

M : Switch between timed and manual modes

C : Clock Set Button - Firstly set the Day/Hour/Minute

Turn the timerstat **off** with the **I** button. Then press the **C** button for 3 seconds and the day will appear. Set correct day with **▲▼** then press **C** to set hours and again to set minutes. Will time-out after 5 sec and retain settings.

To set the timed program -

The timerstat has 6 time periods each day and setting each time period once will set MON - SUN in one go. Look at the table to see where the default time periods are and their respective default temperatures.

Turn the timerstat **on** with the **I** button. Then press the **C** button for 3 seconds and MON TUE WED THU FRI SAT SUN will appear. Then press **C** and **06** will appear, this is the start time hour for period 1. Press **C** again and the minutes **00** for period 1 are displayed, press **C** again and **20c** will be displayed. Any of the parameters can be altered by using **▲▼**. Similarly continue through the subsequent time periods.

After period 6 temperature has been set, press **C** and the timerstat will revert to a normal screen and the settings will be saved. Remember, if you want a time period on, put the allotted temperature up (bathroom 26c - 30c, kitchen 24c - 28c If you want a time period off, reduce the allotted temperature to 10c - 15c and the heating will not switch on unless it becomes very cold.

🔒 : Anti-Tamper Lock -

Press **▲▼** at the same time and hold for 5 seconds until **🔒** appears - settings cannot be accessed. To reverse the process, simply press and hold **▲▼** until **🔒** disappears. *******

: Advanced Parameter Settings -

Turn the timerstat **off** with the **I** button, then hold down together **M** and **C** for 5 seconds to enter parameter settings. (There is a 5 sec time out just repeat if timed out).

NB - press M button to access next parameter

Dimension: 86 * 86 * 14 mm

Power self-consumption: <1.5W

Power voltage: 220VAC 50/60HZ

Temperature control range: 5°C-35°C

Temperature accuracy: ±1°C

[Display and Function Description]

I : Manual Mode

C : Timed mode

🔥 : Heat Symbol

🔒 : Anti Tamper Lock

E1 : Floor Temperature Sensor damaged or unconnected

E0 : Internal Temperature Sensor damaged

1 : Getting up in the morning, the first period

2 : Going out in the morning, the second period

3 : Back home at noon, the third period

4 : Going out at noon, the fourth period

5 : Back home in the evening, the fifth period

6 : Sleeping at night, the sixth period

| Period Display | Monday - Sunday | |
|----------------|------------------|-------------|
| | Time | Temperature |
| 1 | 06:00 getting up | 20°C |
| 2 | 08:00 working | 15°C |
| 3 | 11:30 noon break | 15°C |
| 4 | 13:30 working | 15°C |
| 5 | 17:00 off work | 22°C |
| 6 | 22:00 rest | 15°C |

| Display Number. | Selection Content | ↕ button or ▲ button |
|-----------------|---|--|
| 1 | Temperature compensation for inbuilt sensor | -9°C to +9°C |
| 2 | Setup of low-temperature protection | Display F3 - F9 Default is 5C. If the floor temperature goes below the set temperature, the heating will come on and heat to 9C to prevent frost. '↕' turns this function off. |
| 3 | The starting temperature difference | Display H1 - H5 Default is 3C. The heating will exceed the set temperature by the temperature differential before switching off. Similarly, the temperature will go below the set temperature before switching on again. |

| | | |
|---|--------------------------------------|---|
| 4 | Setup of high-temperature protection | Display '↕' 35C - 70C The maximum recommended temperature is 35C. Please do not increase this or disable the '↕' the function. |
| 5 | Selection of sensor type | Display S1 S2 S3 S1: Air temperature sensor in the timerstat. (Not suitable for accurate control of floor temperature). S2: floor sensor - for underfloor heating S3: Both (Not suitable for accurate control of floor temperature). |

Factory Reset:

In 'OFF' mode, press & hold the power button and 'M' button until the screen shows all the icons - then release the buttons.

Anti Tamper Lock - If this is on when power is cut for a prolonged period - when the stat is powered up, the screen will be blue but no lock symbol and nothing can be accessed. Hold the up and down arrows for 5 seconds, then press the on-screen power button to return to main screen.

Installation: requires 38mm deep electrical back box



1. Insert small flat screwdriver into slots to unclip screen release lugs.



2. Carefully remove screen and front circuit board.

Note: the timerstat should be ideally situated at light switch height or where it is easily accessed. Do not install in a bathroom or in areas subject to steam as this can affect the electronics.



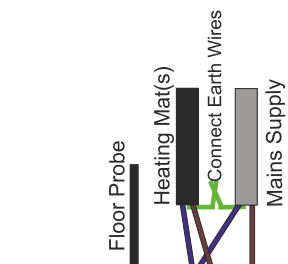
5. The screen can be put to one side for re-connection later. The body of the stat can now be wired and fixed back into the wall box.



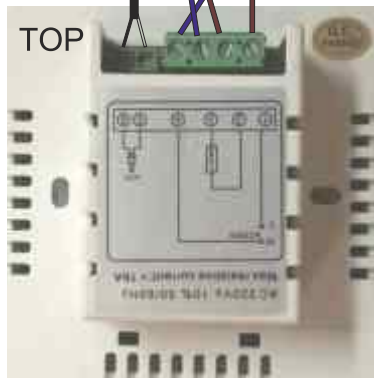
3. Front and rear circuit boards are connected with the control wire.



4. Carefully unplug control wire from front circuit board



- Max recommended load 23sqm mat@150w/sqm.
- Mains supply via suitably fused switched spur on RCD protected circuit. All in accordance with IEE requirements.



Infrared Remote



- ⏻---Power on/off
- M---Mode
- 🕒---7-day programmable
- 🕒---Clock function
- ▲--- Temperature setup "+"
- ▼--- Temperature setup "-"



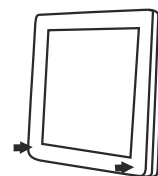
Fix back using screws provided.



Re attach control wire to screen.



Assemble screen from top.



Press in to engage fixing lugs.

Please Note: - Error Codes.

- E1 : Floor Temperature Sensor damaged or unconnected.
- E0 : Internal Temperature Sensor damaged.