HT4t

HT4 Symbols

(Power symbol) Power On / Off

(M) Manual Mode

(P) Program Mode

(✓) Confirm Setting

(▲) Increase

(▼) Decrease

(Clock symbol) Auto Mode

(Hand symbol) Manual Mode

(Key symbol) Lock

(Heating symbol) Heating is on

FT Floor Temperature

RT Room Temperature

The HT4t is a duel thermostat that can operate underfloor heating and heated towel rails.

Heated towel rails do not have independent programming options.

HT4t Operating

Turn the unit on using the power button.

Press the **M** if you want to use Manual Mode. Manual mode will allow you to operate anytime during the day.

Press the **P** if you want to use Program Mode. Program mode will only operate during time periods you have set in the *HT4t Programming*.

HT4t Programming

The unit must be Off. If the unit is On please press the power button.

Press the **P** button

01   *Setting the time*
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

02   *Setting the heating temperature*
Press the up or down buttons to adjust. We recommend 26ºC
Press **P** to go to the next setting or press the tick button to save

03   *Setting the background temperature.* This is the heat the floor will stay at until the next heating period. We recommend 18ºC
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

04   *Setting the number of Programmable periods.*
Either 1 or 2 programmable periods can be set. Most people will have 2 periods (morning and evening)
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

05   *Setting the start time for the 1st programmable period.*
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

06   *Setting the finish time for the 1st programmable period.*
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

07   *Setting the start time for the 2nd programmable period.*
Will only appear if 2 programmable periods have been selected in 04.
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

08   *Setting the finish time for the 2nd programmable period.*

Will only appear if 2 programmable periods have been selected in 04.
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

Heatwell Under Floor Ltd
0800 392 853

HT4t

Locking the HT4t Thermostat

To lock the HT4t, hold your finger on the power button until the key symbol appears

To unlock the HT4t, hold your finger on the power button until the key symbol disappears.

NB The HT4t can be locked when the unit is On or Off.

HT4t Operational Programming

NB *Only to be set during the installation of the HT4t.* **This menu should never be accessed during daily operation**.

The unit must be Off. If the unit is On please press the power button.

Hold your finger on the **P** button until **10** appears

10   **Selecting Thermostat operating mode.**
The HT4t can use either a floor probe or sense the air for temperature.

*If floor probes have been installed, select **F***
*If there is no floor probe, or the floor probe is faulty, select **A***
Press the up or down buttons to adjust.

Press **P** to go to the next setting or press the tick button to save

11   **Selecting ohms setting for the floor probe.**

*Will only appear if **F** has been selected in **10**.*
Options (kOhms) include 3 / 10 / 15 / 25 / 50 / 100. Test the resistance of the floor probe and select the closest option. Most modern floor probes are 10 kOhms.
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

12   **Setting temperature differential**
*Only change if you have proof the **RT** or **FT** are different from actual temperature.*
May have to be adjusted if the Ohms of the floor probe does not match one of the HT4t *settings in **11**.*
Press the up or down buttons to adjust.
Press **P** to go to the next setting or press the tick button to save

Technical Information

Supply Voltage	230 ~ 240 VAC
Thermostat Voltage	5V
Maximum Capacity	16 Amps
Temperature Range	5°C ~ 35°C
Floor Sensor	Not included
IP Rating	30
Dimensions (cm)	12 x 8 x 1.8

Installation

The HT4t comes in 3 separate parts. The thermostat, the base plate, and the electrical block.
The electrical block is easily removed from the base plate. The base plate is easily removed from the thermostat

For wiring in the electrical block, please refer to the wiring diagram below. Place the electrical block into the electrical flush box.
Connect the electrical block to the back of the base plate (it is not necessary to reattach)
Using screws supplied, attach the base plate to the flush box.
Re-attach the electrical ribbon to the back of the thermostat
Re-attach the thermostat to the base plate

Please note that the wiring for the HT4t is significantly different than any of the other thermostats in the Heatwell range. Please look at the wiring diagram closely. Slot 5 is for the heated towel rail