



Heatwell Under Floor Ltd
0800 392 853

HT4tz



HT4 Symbols

	Power On / Off
	Manual Mode
	Program Mode
	Confirm Setting
	Increase
	Decrease
	Auto Mode
	Manual Mode
	Lock
	Heating is on
FT	Floor Temperature
RT	Room Temperature

The HT4tz is a dual thermostat that can operate underfloor heating and heated towel rails.

Heated towel rail heating can be programmed independently of floor heating

Zones

Zone 1 is the underfloor heating

Zone 2 is the heated towel rail(s)

To change the zone you must hold your finger on the check (tick) button

HT4tz 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 *HT4tz Programming*.

HT4tz Underfloor Heating Programming

The unit must be showing Zone 1. If the unit is not showing Zone 1, hold your finger on the check (tick) until the Zone changes. To program the underfloor heating 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 26°C

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 18°C

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)



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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

HT4tz Heated Towel Rail Programming

The unit must be showing Zone 2. If the unit is not showing Zone 2, hold your finger on the check (tick) until the Zone changes. To program the underfloor heating the unit must be Off. If the unit is On please press the power button.

Press the **P** button

01 Setting the time

Please note the time may already be set during heated floor setup
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 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

03 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

04 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

05 Setting the start time for the 2nd programmable period.

Will only appear if 2 programmable periods have been selected in 02.



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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 2nd programmable period.*

*Will only appear if 2 programmable periods have been selected in **02**.*

Press the up or down buttons to adjust.

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

Locking the HT4tz Thermostat

To lock the HT4tz, hold your finger on the power button until the key symbol appears

To unlock the HT4tz, hold your finger on the power button until the key symbol disappears.

NB The HT4tz can be locked when the unit is On or Off.



HT4tz Operational Programming

NB Only to be set during the installation of the HT4tz. ***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 HT4tz 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 HT4tz 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



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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 HT4tz 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

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(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 HT4tz 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

