

CONTROL | TOUCH SINGLE WIRELESS



Excellence in heating solutions.

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Compatibility

This thermostat is compatible with ThermoSphere NTC 10K floor sensor probes.

NTC 10kΩ @ 25°C

If you have an existing floor probe from another thermostat that is not compatible, set your thermostat to ambient temperature sensing mode.

(Not advisable for timber or other temperature sensitive floors).

Replacing an existing thermostat? Contact the manufacturer's technical department and ask for the rating of the floor sensor at 25°C.

What's in the box?

Check you've got everything:

- Programmable thermostat
- Floor sensor probe (3m)
- Floor sensor conduit (2m)
- Fixing screws
- Installation guide and warranty information
- Portrait mounting plate (AU only)

You will also need:

- Electrical screwdriver
- Deep electrical back box (UK only)
- Electrical test meter

Before you start

Your thermostat should be:

- Installed 1.2 1.5m from the floor
- On an internal wall
- Outside any wet zones (IP30)
- Installed on an RCD protected circuit
- Away from drafts or heat influences
- Installed so that the floor sensor probe can be laid in a heated area of the floor
- Installed by a professional, in line with current electrical regulations and relevant local standards

1. Switch off mains power

You will be installing your thermostat as part of a high voltage mains electrical circuit. To ensure your safety and to protect the thermostat, switch off the mains power and remove fuse from the spur before you start the installation.



OFF ON ON ON ON ON



Fuse Box

Fused Switch

2. Installation location

At this stage it its likely that an RCD protected electric underfloor heating system has been installed and a back box is already in place.

The underfloor heating cold tail should be pulled up through the back box, and the sensor probe installed (in the conduit provided) within the wall cavity or pre chased channel in a solid wall.

3. Maximum distances

Your thermostat can be installed up to 50m away from the underfloor heating system it is controlling, provided that the floor sensor is used to control the temperature.

Underfloor heating cold tails and floor sensor probes can be extended up to 50m.

Connect multiple heaters in parallel.



4. Release mounting plate (UK)

Use a flat screwdriver to press is the catch and push the fascia down as shown to release the clips holding the back plate and the thermostat fascia together. Disconnect the white ribbon cable.







Do not try to force the back plate off without first pushing the fascia down to release the clips!

5. Wiring diagram

Connect the Thermostat to the underfloor heating (UFH) cold tail, power supply and floor temperature sensor.

The floor temperature sensor is not polarity sensitive.



6. Fix mounting plate in position (UK)

Use a cross-head screwdriver to fix the mounting plate to the back box in the wall. Now you can connect the white ribbon cable to the fascia.



7. Fix thermostat fascia in place (UK)

Locate the thermostat onto the mounting plate and push down to clip in place.



8. Fix mounting plate (AU)

If you are installing the AU version the wiring diagram is the same, but the fixing plate works differently. Release the mounting plate from the case and use a cross-head screwdriver to fix the mounting plate to the wall. Pull UFH cold tail, mains and sensor cables through and connect cables as shown on p10.



9. Fix thermostat in place (AU)

Clip the plastic mounting plate over the mounting plate and locate the thermostat onto the mounting clips. Push down to secure the thermostat in place.



10. Switching on your system

It is important that all adhesives and grouting is dry and fully cured before you switch on your underfloor heating.

Most adhesives take between 7 to 10 days to cure. Follow manufacturer guidelines.

The temperature of your underfloor heating should be increased gradually to avoid thermal shock in the floor. Start at 15°C and work up to your desired temperature 2-3°C per day.

Observe any maximum temperature guidelines from your floor manufacturer.



User interface



- Day indicators 1.
- 2 Time
- 3. Measured temperature 8. Down arrow
- Heating on icon 4.
- 5. Lock icon

- Mode button 6.
- Up arrow 7.
- 9. Power button
- 10. Event icons

- 11. Set temperature
- 12. Manual mode icon
- 13. Schedule mode icon
- 14. Network icon

Setup

Setting the day and time

Switch the unit on by pressing \bigcirc .

Press and hold 🗘 for 7 seconds until the time begins to flash.

Use Δ and ∇ to select the correct minute.

Press $\ref{eq:press}$ to switch to hours and use Δ and ∇ to select the correct hour.

Press O again to edit the day and use \triangle and ∇ to select the correct day. 1 = Monday & 7 = Sunday.

Press $^{(\!\!\!)}$ to save your settings.

NOTE: The thermostat will switch off after 30 seconds of inactivity and any unsaved settings may be lost

Heating modes

When your thermostat is on you can tap \bigcirc to switch between Manual and Schedule heating modes.

Manual mode



Your thermostat will simply maintain the temperature you set manually until you ask it to do something else!

Schedule mode

Your thermostat will follow a heating schedule that you can set by following the instructions on page 20.

Temperature override

Temperature override

When the thermostat is in Schedule mode, running your heating timer settings, it is possible to manually override the temperature without adjusting the schedule or switching to manual mode.

You can adjust the temperature with the $\ \Delta$ and $\ \nabla$ arrows.

If you override the temperature while the thermostat is running the heating schedule, the new override temperature will be maintained until the next scheduled temperature change.

The thermostat will then revert to the preset heating schedule.

Set up your heating schedule

- 1. Turn the thermostat on by pressing \bigcirc .
- 1. Press O to switch to O mode before you start.
- 2. Press \bigcirc to switch the unit off.
- Press and hold for 7 seconds to edit your schedule. If you have already set the clock press x3 to skip it.
- 4. Use ∆ and ∇ to adjust the start time for event 1 and press ♀ to save. Now use ∆ and ∇ to select the desired Comfort (or "On") temperature between 20 28°C Event 1 Wake Up
- 5. Press O to advance to event 2 and use \triangle and ∇ to select the desired time to switch to a lower temperature.
 - Event 2 Out
- 6. Press O to save. Now use \triangle and ∇ to select the desired Eco (or "Off") temperature between 16 20°C.
- 7. Press \heartsuit to advance to event 3 and use \triangle and ∇ to select the desired time to switch to a higher temperature.

Event 3 Home

Set up your heating schedule



TIP! If you don,t want to use all of the available heating events you can skip one by setting the same temperature as the previous event.

Advanced settings

Adjusting the advanced settings

To access the settings, switch the unit off by pressing \bigcirc .

Press and hold O and O together for 7 seconds.

Press 🗘 to cycle between settings 01 to 13.

Use \triangle and ∇ to adjust the settings.

Switch the unit on by pressing \bigcirc to save your settings.

Advanced settings

MENU	DESCRIPTION	RANGE	DEFAULT
01	Temperature calibration	-8°C ~ 8°C	0°C
02	Maximum set point	5°C ~ 80°C	35°C
03	Minimum set point	5°C ~ 80°C	5°C
04	Sensor mode	IN (Ambient), OUT (Floor), ALL (Ambient with floor limit)	OUT
05	Frost protection	5°C ~ 15°C or Off	5°C
06	Floor temperature display	(ALL sensor mode only)	
07	Temperature limit	10°C ~ 80°C (ALL mode only)	35°C
09	Power failure recovery mode	LA: On as before, OF: Off	LA
10	Factory reset	Re (yes)	
11	Backlight timer	10 secs - 300 secs (5mins)	20s
12	Backlight brightness level	1 (min), 2, 3, 4 (max)	4
13	Adaptive start	1 (on),) (off)	0
14	Open window detection	1 (on),) (off)	0
15	OWD detect time	2 - 30 mins	15 mins
16	Temperature drop limit	2, 3 or 4°C	2°C
17	OWD off time	10 - 60 mins	30 mins

Wireless connection

You will need a ThermoSphere Wireless Hub to set up and control your thermostat(s) via your wireless network.

Refer to the instructions that come with your hub for guidance on pairing the Hub with your wireless router and app.





Search for "MyThermotouch" to download the free app

Wireless connection

- 1. Make sure your thermostats are connected to the electricity and switched on.
- 2. Use the tool to press the connect button on the hub twice (in quite quick succession). The device connection LED will start flashing if you've done it right and the hub will look for connections for 2 minutes.
- 3. Switch off the thermostat by pressing the 'Power' button.
- 4. Now press and hold the 'Settings' button for 5 seconds. A code will appear on the screen of the Thermostat (it's just the RF ID Code)
- 5. Tap the 'Up' button and the code will flash for a while until the thermostat finishes connecting to the hub.
- 6. When the code stops flashing go back to your app, refresh the page (drag down and release), tap your hub icon and you will see the ID code listed. Congratulations! That's a successful connection!
- 7. Now you've connected the first Thermostat you can press and hold it on the app to change the name.
- 8. At first, after a connection, the thermostat may be OFF so you may need to switch it on by tapping the Thermostat Name in the app, press the 'Menu' icon on the top right corner and turn the 'Floor heating' switch 'On'.
- 9. That's it! You can repeat the process to set up a maximum of 32 thermostats per hub and up to 2 hubs per app.

Technical data

Supply voltage	230V/240V 50/60Hz
Maximum load	16A
Backup storage	EEPROM (approx. 1 year backup)
Temperature range	5 ~ 80°C (0.5°C increments)
Accuracy	±0.5°C
Sensor rating	NTC 10kΩ @ 25°C
Consumption	2W
Warranty	3 years
IP rating	IP30
Width	85mm
Height	85mm
Depth	46mm (31mm in wall)

Factory reset & key lock

Locking the keys

To lock the keys press and hold Δ and ∇ together for 7 seconds.

The icon will appear when the keys are locked and the keys will not function.

To unlock the keys press and hold Δ and ∇ together for 7 seconds.

Factory reset

Find menu item 10 in the advanced settings (page 23).

Press \triangle so that the screen displays YE and then press \bigcirc .

The thermostat will switch off and reset to factory settings after 10 seconds. This will totally erase the time, date, heating program and any adjusted settings.

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Excellence in heating solutions.