

Thermotouch 4.3iC

Colour Programmable Thermostat

thermotouch
UNDERFLOOR HEATING CONTROLS

Introduction

Thermotouch 4.3iC[®] thermostat

Thermotouch 4.3iC[®] is a digital thermostat, which is designed for electric floor heating systems with a maximum load of up to 16A (3600W). Thermotouch 4.3iC[®] features a 4.3" Intelligent Control Truetouch colour display and 4 languages.

! IMPORTANT SAFETY REGULATIONS !

ALL WIRING MUST CONFORM TO IEE 17TH EDITION PART P REGULATIONS. THIS PRODUCT IS RATED:

IP30

Thermotouch 4.3iC[®] is IP30 rated and suitable for safe installation in bathrooms outside of special locations such as wet zones. All electrical circuits in bathrooms must be protected by a 30mA RCD. The instructions we supply include as much information as possible to ensure that all installations comply with current electrical regulations. Please call our freephone customer care line if in any doubt on **0800 019 5899**.

DO

- ✓ Install a conduit for your sensor probe before thermostat installation.

DO NOT

- ✗ Ignore electrical regulations.
- ✗ Install this thermostat in a wet zone.

Before you begin

A sensor conduit and deep back box must be installed to continue this installation. Feed the provided sensor probe (3m) down through the sensor conduit into a representative area of the floor. For any technical advice or questions visit our website, www.thermogroupuk.com or call our technical team on 0800 019 5899.

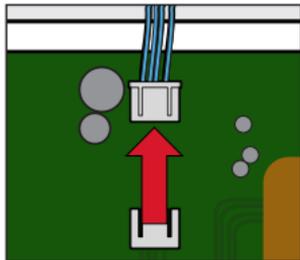
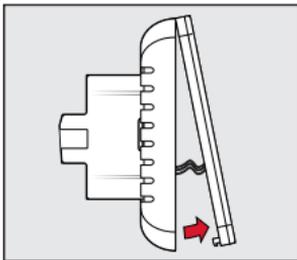
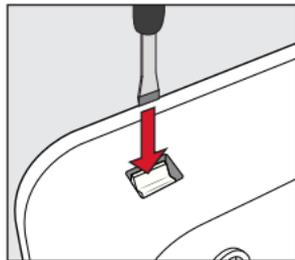
Installation

Step 1: Release the face plate

Push the three clips located on the bottom of Thermotouch 4.3iC® in with a screwdriver, releasing the face plate.

Step 2: Disconnect ribbon cable & remove face plate

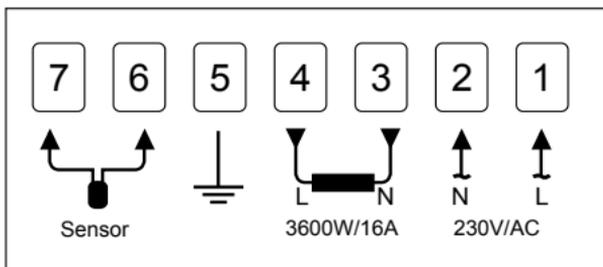
Once the face plate has been gently opened disconnect the ribbon cable to release the face plate.



Wiring Thermotouch 4.3iC®

Wire and replace face plate

Loosen the tension screws to allow the wires to be inserted and fixed. Position the cables as shown in the wiring diagram and ensure each screw is tightened correctly.



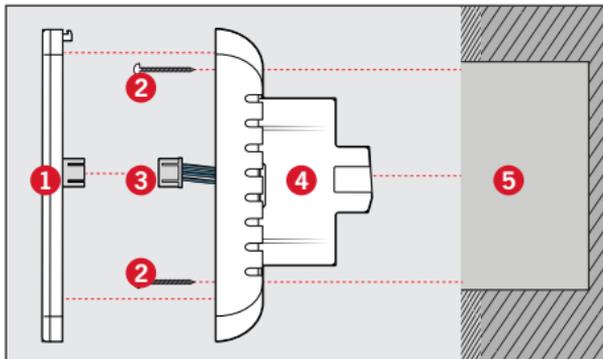
Ensure system is correctly earthed.

Fix Thermotouch 4.3iC® to wall

Align Thermotouch 4.3iC® with your back box and fix in place with the screws provided.

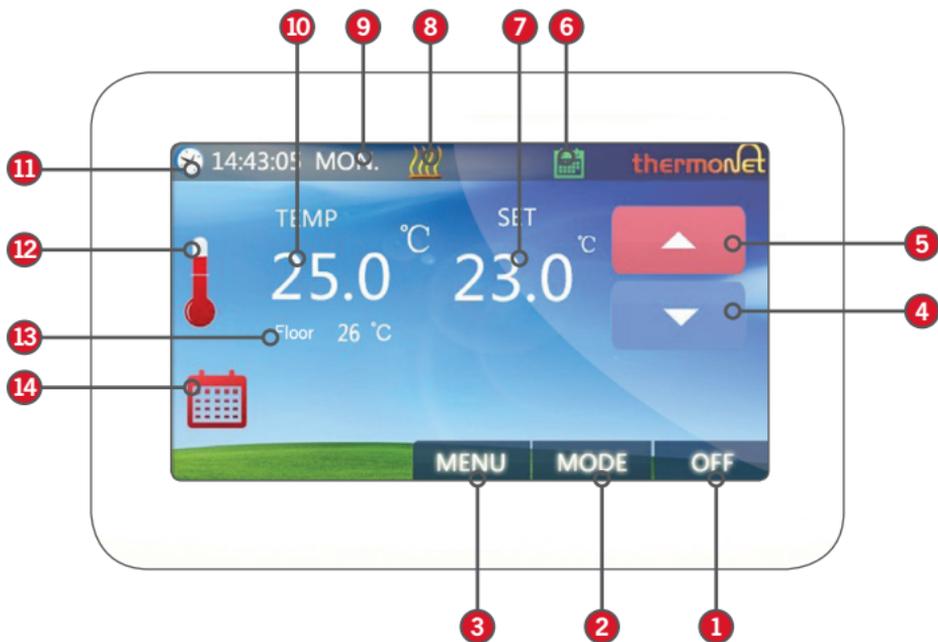
Now reconnect the ribbon connections and reseal the face plate (bottom edge first).

Ensure Thermotouch 4.3iC® is securely fixed before continuing.



- 1 Faceplate
- 2 Provided screws
- 3 Ribbon connectors
- 4 Back plate
- 5 Back box

Thermotouch 4.3iC[®] interface



- 1** On / Off button
- 2** Mode button
- 3** Menu button
- 4** Down button
- 5** Up button
- 6** Mode icon
- 7** Set temperature

- 8** Heating icon
- 9** Weekday icon
- 10** Ambient temperature
- 11** Clock icon
- 12** Temperature icon
- 13** Floor temperature
- 14** Mode icon area

Menu icon key

MENU



Date & time Button

Use to set the correct weekday and time on the clock of your thermostat.



Program

Use to view and edit your heating schedule.



Preset temperatures

Use to define preset temperatures of Holiday, Boost, Economy and Comfort modes.



Language selection

Press to choose one of four languages: English, Dutch, French or German.



Protection temperatures

Use to define the frost protection temperature threshold. This is the minimum temperature that your floor can reach before the heating switches on.

Menu icon key

MODE



Comfort mode

Once selected, enables 'Comfort mode'. This will maintain the preset "Comfort" temperature, usually a higher temperature, until you change the mode again.



Economy mode

Once selected, enables 'Economy mode'. This will maintain the preset "Eco" temperature, usually a low temperature, until you change the mode again.



Boost mode

Once selected, enables 'Boost mode' which maintains the preset "Boost" temperature until you change the mode again. Ideal for a quick boost of extra heating.



Holiday mode

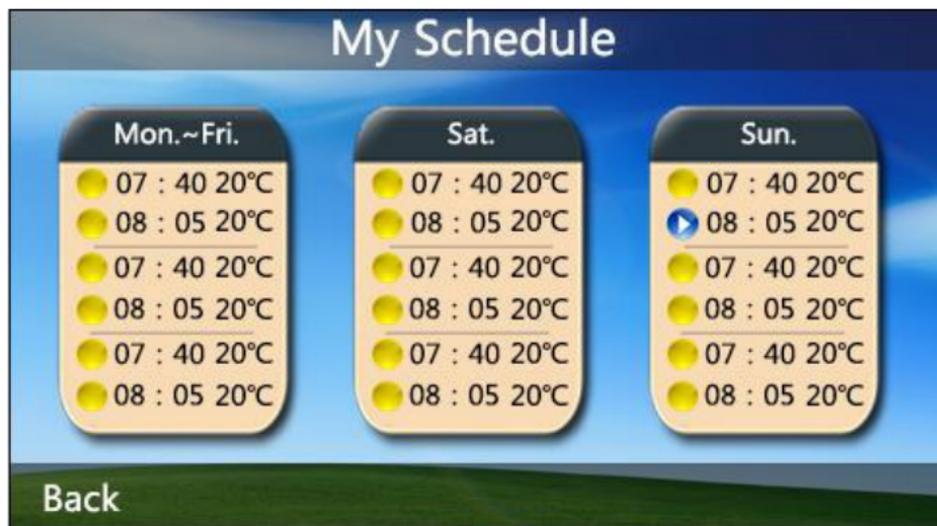
Once selected, enables 'Holiday mode'. In this mode your thermostat will maintain the selected "Holiday" temperature until you change the mode again.



Program mode

Once selected, enables your custom schedule which can be set in the Program Menu.

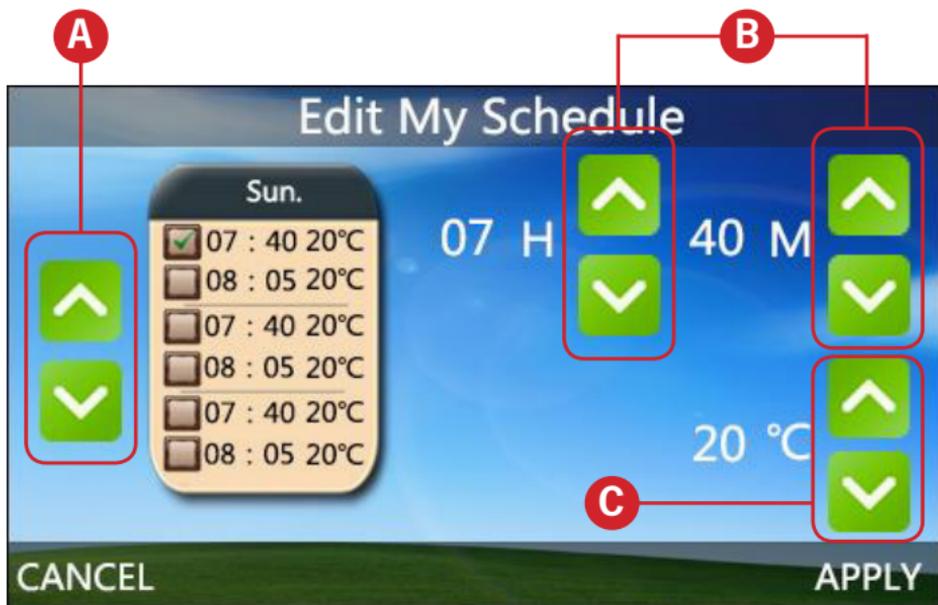
Schedule settings



To edit the heating schedule times and temperatures press the **MENU** Button, then press  to view your weekly schedule

Then press the day that you would like to edit. The first box applies to the days of the week (Mon - Fri) and the other boxes are Saturday and Sunday.

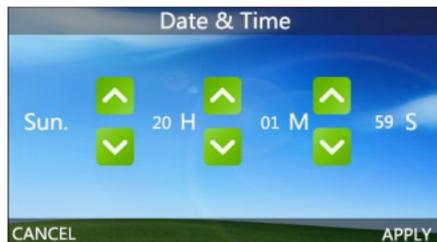
For example, if you want to edit the times and temperatures on Sunday, simply press the "Sun." box.



- 1 On Sunday there are 6 heating events. You can press the & buttons set A to move the and choose the heating period to edit.
- 2 Next you can set the start time hours (H) and add minutes (M) with the & buttons set B.
- 3 Then adjust the temperature you want the floor to heat up to by pressing the and buttons set C.
- 4 Press **APPLY** to save your new schedule and press **RETURN** x2 to go back to the main screen.

Edit time & date

Press **MENU** button, then  button to edit date and time with  and  buttons. Press **APPLY** to save the changes.



Mode pre-set temp.

Press **MENU** button, then  and select a mode with  and . Now edit that mode's temperature with  and  buttons. Press **APPLY** to save the changes.



Language select

Press **MENU** button, then  button to enter languages page. Choose the desired language and press **APPLY** to save the changes.



Protection settings

Press **MENU** then  button to enter protection settings page. You can set the Low Protection temperature with the  and  buttons. Press **APPLY** to save the changes.



Low protection: This is a frost protection mode designed to function when Thermotouch 4.3iC® is switched off. If the ambient temperature reaches the set protection temperature the system will automatically switch on to maintain a minimum temperature.

Parameter/Advanced settings

To access the advanced settings:

1. Turn thermostat off by pressing on the “OFF” button in bottom right hand corner
2. Press “OK” and then immediately press on the clock symbol  in the top left hand corner
3. Press “NEXT” to access different pages of the settings menu. To change the Sensor Mode press “NEXT” to go to page 2.
4. NTC Select is the Sensor Mode. Press the white arrows to change the Sensor Mode.

“I Only” Internal ambient temperature sensor

“E Only” External floor temperature sensor

“I or E” External or internal sensors

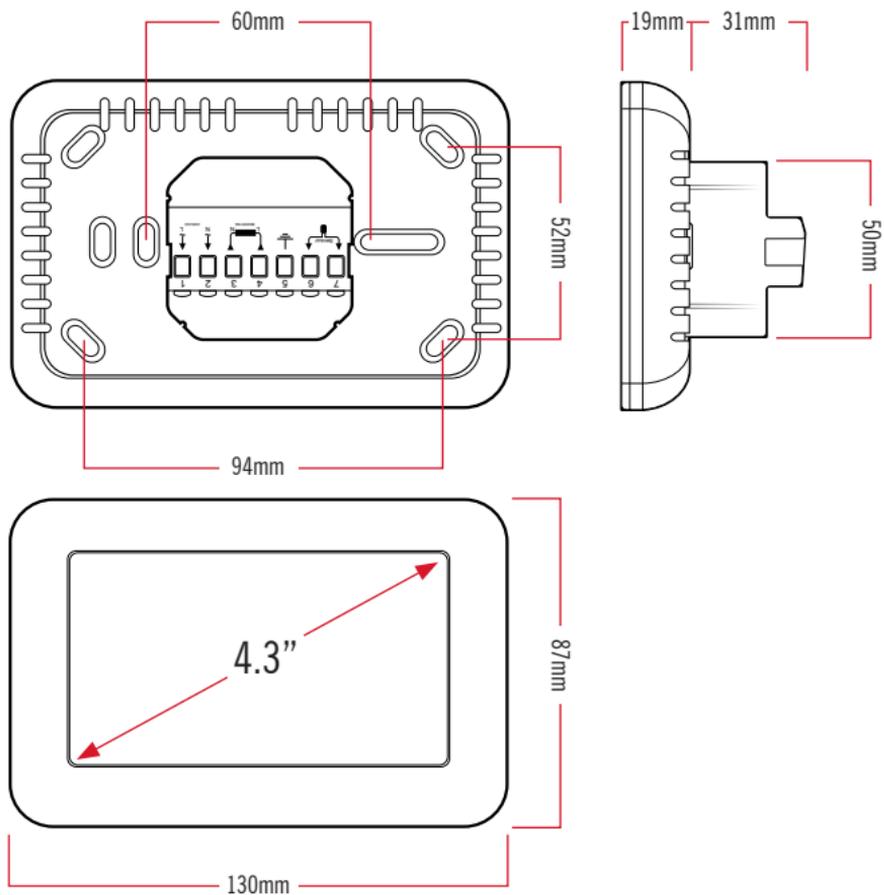
“I & E” Internal ambient sensor with external floor limit

5. To adjust the backlight settings press “NEXT” x2 to get to page 4. You can adjust the time before the backlight switches off and the standby brightness from 1 - 100%. You can use the white arrows to adjust these settings.
6. To reset to factory settings go to p6 and click one of the white arrows to restore.
7. To save your settings press the HOUSE symbol at the bottom of the screen and then press “ON” in the bottom right corner.

Advanced settings

Page	Description	Range	Default
1	Temp. Offset	-8 °C ~8°C	0
	Dead Zone	0°C ~3°C	0
	Set Point Max.	5 °C ~35°C	35
	Set Point Min.	5 °C ~35°C	5
2	NTC Select (Sensor Mode)	I only, E only, I & E, I or E	I&E (Original) E only (Manufactured after March'17)
	Low Protection Max.	5 °C ~10°C	10
	Low Protection Min.	5 °C ~10°C	5
	High Protection Max.	5 °C ~90°C	90
3	High Protection Min.	5 °C ~90°C	5
	Backlight on time	3s~180s	25s
4	Min. Backlight Brightness of Standby Status	1%~100%	10
	Relay Delay Time	0s~250s	5s
5	Relay Output	Normal(NO); Inverted(NC)	NO
	Restore	<< or >>	

Dimensions



Product features

- 4.3inch touchscreen colour display
- Control electric underfloor heating systems up to 16A (3600W)
- Adjustable Comfort Mode, Economy Mode, Boost Mode, Holiday Mode and Program Mode Control
- 5+1+1 days, 6 event programmable schedule
- Ambient and/or floor sensors
- Four languages: English, French, German, Dutch
- Clock and date display
- Temperature calibration
- Overheat and frost protection modes
- Single gang extra deep back box

Technical Data

- Voltage: 230V, 50/60Hz
- Maximum load: 16A (3600W)
- Temperature range: 5~35°C
- Ambient: 0~50°C
- Sensor: NTC10k, 10k Ω at 25°C
- Accuracy: $\pm 0.5^\circ\text{C}$

Thermogroup UK

Bridge House
Hop Pocket Lane
Paddock Wood
Kent TN12 6DQ
UNITED KINGDOM

0800 019 5899

01622 689 440

www.thermogroupuk.com

sales@thermogroupuk.com

Thermogroup AU

Thermogroup Pty Ltd
PO Box 822
Leeton NSW 2705
AUSTRALIA

1300 368 631

www.thermogroup.com.au

sales@thermogroup.com.au

Thermogroup



That little bit extra...