14:43:05 MON.

thermonet

TEMP
°C
25.0

SET
°C
23.0

Floor 26 °C

MENU   MODE   OFF

5240
Thermotouch 4.3iC®
Truetouch Colour Thermostat

thermotouch®

TOUCHSCREEN SYSTEM CONTROL

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 representive 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.
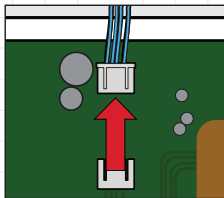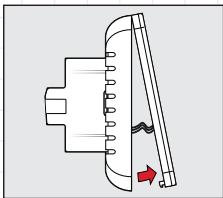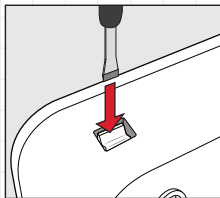
Installation

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.
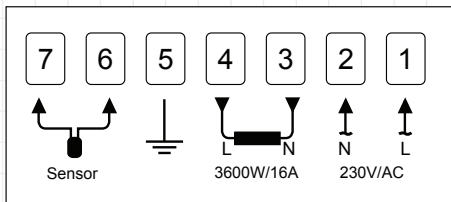
Step 2: Disconnect ribbon cable & remove face plate

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

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.
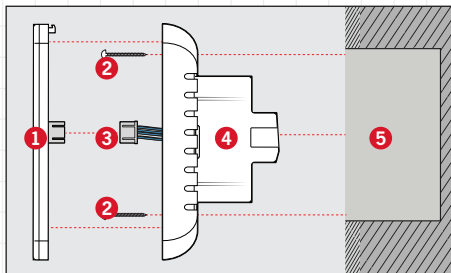
7	6	5	4	3	2	1

Sensor   L   N   N   L

3600W/16A   230V/AC

Ensure system is correctly earthed.

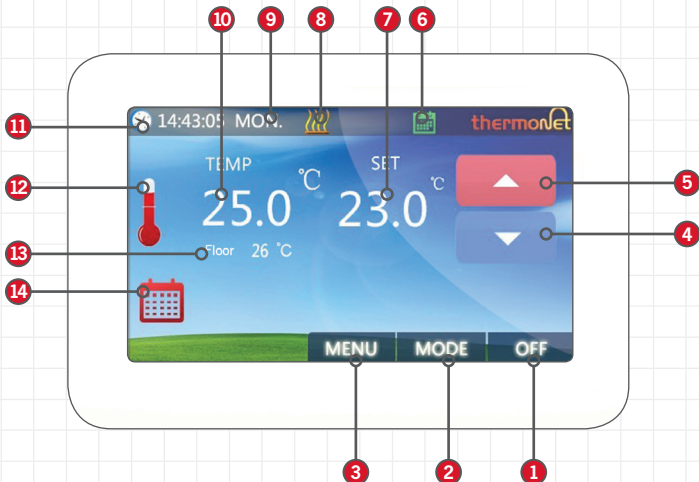## Fix Thermotouch 4.3iC® to wall

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

Now reconnect the ribbon connections and reseat the face plate (bottom edge first). Ensure Thermotouch 4.3iC® is securely fixed before continuing.

❶ Faceplate   ❹ Back plate
❷ Provided screws   ❺ Back box
❸ Ribbon connectors

Thermotouch 4.3iC® interface

1	On / Off button	8	Heating icon
2	Mode button	9	Weekday icon
3	Menu button	10	Ambient temperature
4	Down button	11	Clock icon
5	Up button	12	Temperature icon
6	Mode icon	13	Floor temperature
7	Set temperature	14	Mode icon area

Mode icon key

MENU

Language selection
Press to choose one of four languages

Pre-set temperatures
Use to define pre-set temperatures

Program review
Use to check your 5+1+1 day schedule

Date & time Button
Use to set the correct weekday and time

Protection temperatures
Use to define min and max temperatures

MODE

Holiday mode
Once selected, enables 'Holiday mode'

Boost mode
Once selected, enables 'Boost mode'

Economy mode
Once selected, enables 'Economy mode'

Program mode
Once selected, enables your custom schedule

Comfort mode
Once selected, enables 'Comfort mode'

Schedule settings

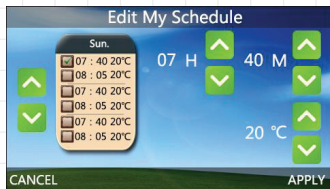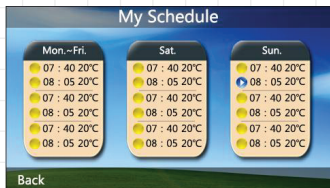Press **MENU** Button, then press 🔶 to review your weekly schedule.

Select Mon - Fri, Sat or Sun to edit your custom heating schedule.

E**xample**: if you want to edit Sun schedule, press Sun column to enter the edit page as shown.
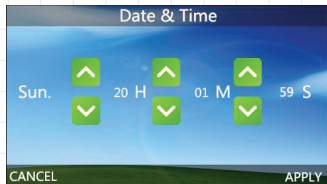
Every setting can be edited with the 🔼 or 🔽 buttons.

❶　In the Sun column, there are six periods. You can press 🔼 or 🔽 buttons to choose the period you are going to change. ☑ will display next to which ever period is selected.

❷　Next you can set the start time and desired temperature by pressing the 🔼 and 🔽 buttons.

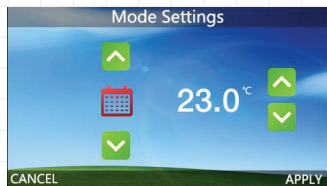❸　Press **APPLY** to save your new schedule.

Edit time & date

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

Date & Time

Sun.   20 H   01 M   59 S

CANCEL   APPLY

Mode pre-set temp.

Press **MENU** button, then 🌤 button to select a mode. Now edit that modes temperature with 🔼 and 🔽 buttons. Press **APPLY** to save the changes.

Mode Settings

23.0 ℃

CANCEL   APPLY

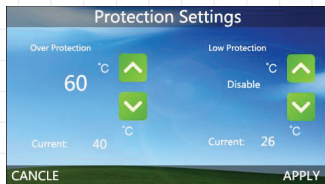## Language select

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

- English
- Nederlands
- Française
- Deutsch
- 简体中文

CANCEL   APPLY

Protection settings

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

High protection: This is an Over Heat Protection setting designed to monitor the floor temperature and limit it to a level set by you. If the system reaches the set protection temperature the system will shut off automatically.

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.

Please note: The upper limit should be no higher than 28℃ to conform with European regulations.

Parameter settings

To access parameter settings switch Thermotouch 4.3iC® OFF and immediately press ⏱ for 2 seconds. You can set the desired va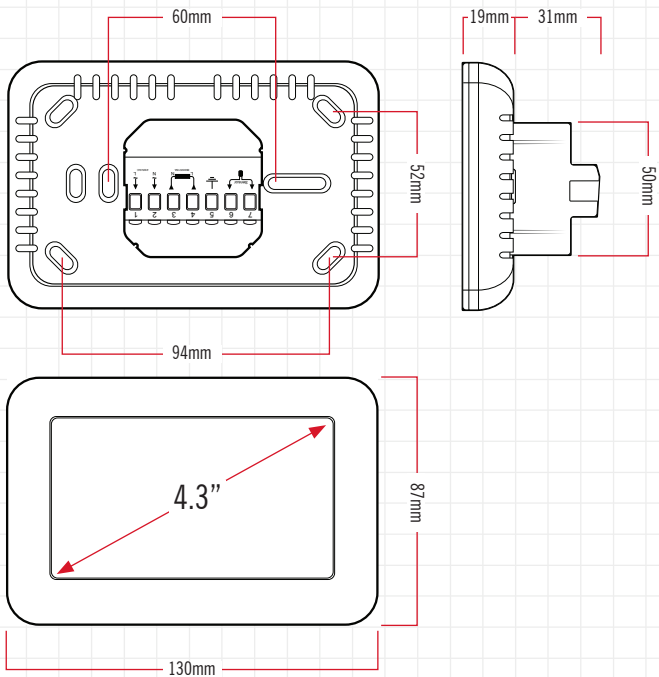lues by pressing **<<** or **>>** , and go to other pages by pressing **PRE** or **NEXT**. Please note the upper limit should be no higher than 28^{0}C to conform with European regulations.

Menu	Description	Range
01	Temp. Offset	-8 ^{0}C ~8^{0}C
02	Dead Zone	0^{0}C ~3^{0}C
03	Set Point Max.	5 ^{0}C ~35^{0}C
04	Set Point Min.	5 ^{0}C ~35^{0}C
05	NTC Select (Ambient - I, Floor - E)	I only, E only, I & E, I or E
06	Low Protection Max.	5 ^{0}C ~10^{0}C
07	Low Protection Min.	5 ^{0}C ~10^{0}C
08	High Protection Max.	5 ^{0}C ~90^{0}C
09	High Protection Min.	5 ^{0}C ~90^{0}C
10	Backlight off Time after Operation.	3s~180s
11	Min. Backlight Brightness of Standby Status	1%~100%
12	Relay Delay Time	0s~250s
13	Relay Output	Normal(NO);Inverted(NC)
14	Restore	<< or >>

Dimensions

60mm

52mm

94mm

19mm — 31mm

50mm

87mm

4.3"

130mm

Product features

- 4.3inch Truetouch 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, Germany, Dutch
- Clock and date display
- Temperature calibration
- Overheat and frost protection modes
- Single gang extra deep back box

Product features

- Voltage: 230V, 50/60Hz
- Maximum load: 16A (3600W)
- Temperature range: $5\sim35^{0}$C
- Ambient: $0\sim50^{0}$C
- Sensor: NTC10k, 10kΩ at 25^{0}C
- Accuracy: ± 0.5^{0}C

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thermostats
TOTAL SYSTEM CONTROL