

Digital Touchpad Thermostat Technical Manual

Product Specifications

- ☆ Power: 90-240Vac 50/60HZ
- ☆ Display accuracy: 0.5°C
- ☆ Contact capacity: 16A/250V(WE)
- ☆ Range of temperature display: 0~40°C
- ☆ Probe sensor: NTC(10k)1%
- ☆ Window open detection

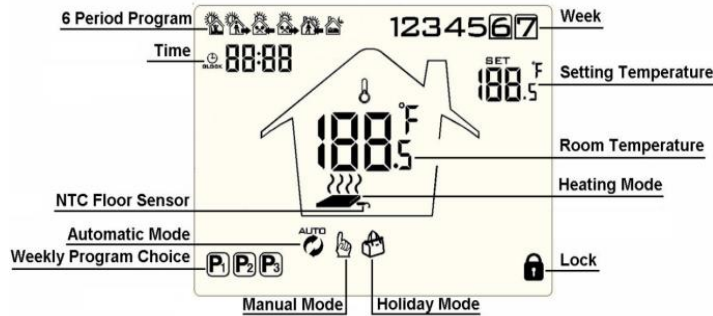
Before wiring and installing

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure it is suitable for your application.
3. Installer must be a trained and qualified Electrician
4. After installation is complete check operation as per these instructions



Disconnect power supply before installation to avoid electrical shock or equipment damage.

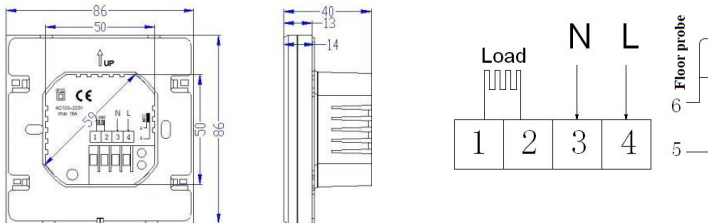
Displays



Description of icon

- Auto mode; run preset program
- Temporary manual mode
- Heating Icon, If this is flashing it means the floor probe has reached its maximum temperature and will no longer be calling for power.
- Manual mode
- Clock
- To lock and unlock the thermostat hold
- External NTC sensor

Wiring Diagram



Mounting the thermostat

In order to mount the thermostat to the back box you will need to slide the black mounting plate away from the front panel gently and carefully detach the ribbon connecting the LCD screen to the wiring block, this will then expose the 2 screw holes on either side which you can screw through and into the back box. Once fitted you will need to reattach the LCD ribbon and clip the front plate back on.

Wiring

Connect the heating mat to 1 & 2, connect the power supply to 3 & 4 and connect the floor probe to 5 & 6. If you connect it wrongly, there will be a short circuit and the thermostat may become damaged and the warranty will be invalid.

You must always install the floor probe sensor. If you are installing the thermostat in a bathroom or wet room, then the thermostat needs to be placed outside the room and the floor probe needs to be inside. Always check that the temperature limit for the floor probe is set to a suitable temperature for your flooring (typically 27°C). This can be done in the advanced setting menu A6 (see next page)

Always test the floor probe with a megger tester or fluke tester set to 2000 ohms, the reading should be between 8-15 ohms. The live and neutral are interchangeable.

Operation key

NO	symbols	represent
A		Turn ON/OFF: Short press to turn on/ turn off
B		<ol style="list-style-type: none"> 1. Short press to switch between automatic mode and manual mode 2. Turn on thermostat then long press for 3-5 seconds to enter into programmable setting 3. Turn off thermostat then long press for 3-5 seconds to enter advanced setting
C		<ol style="list-style-type: none"> 1 Confirm key: use it with key 2 Short press it to set time 3 Turn on thermostat then long press it for 3-5seconds to enter holiday mode setting. <p>Appear OFF, press or change to ON, then press to confirm activation of holiday mode</p>
D		<ol style="list-style-type: none"> 1 Decrease key 2 Long press to lock /unlock
E		<ol style="list-style-type: none"> 1 Increase key : 2 Long press to display external sensor temperature 3 In the Auto mode, press or enter to temporary manual mode

Step 1: Setting up time and date

When you turn on the thermostat for the first time you will need to set the time and also the number that corresponds to the day of the week (1-7 starting from Monday). This can be done by following the steps below:

1. Press the button and the time in the top left corner will start flashing.
2. Press or to get to the desired minute and then press
3. Press or to get to the desired hour and then press
4. Press or to change the day number. 1=Monday 2= Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday – Once you have selected the day press to confirm

Step 2: Programming heating schedule

Days are divided into 6 periods. Wake up, sleep and 4 periods in between. When you are at home, set the period at a “comfort” temperature (typically 18C-21C). When you are out of the property or asleep, set the temperature of the period much lower (typically 15C-16C). This will help to reduce your energy costs.

To program the timings do the following:

1. When power is on, long press for 5-10 seconds to enter programming mode.
2. The time in the top right will now flash. Press and to adjust hour.
3. Press the and the minutes will now flash. Press and to adjust the minutes.
4. Press the and the temperature will now flash. Press and to adjust the temperature.
5. Once you have set the time and temperature press to go to the next set of times and repeat steps 2-4 for each of the 6 time periods
6. When you have set all the time periods press to return to the main screen

Important: Please note after about 10 seconds it will automatically save and exit.

Wake Up	Leave Home	Back Home	Leave Home	Back Home	Sleep
6: 00 20°C	8: 00 15°C	11: 30 20°C	13:30 15°C	17:00 20°C	22:00 15°C

To protect the flooring it is recommended to start out at a low temperature and increase the temperature 1°C a day until you reach a comfortable heat. This only needs to be done once.

Advanced options

When the thermostat is off hold for 3-5 seconds to access advanced setting. From A1 to AD, short press to choose the option, and adjust data by , , short press to switch next option.

NO	Setting Options	Data Setting Function	Factory Default
A1	Show current temperature	Displays current temperature	N/A
A2	Temperature control return difference setting	0.5-2.5°C	1°C
A3	High temperature protection temperature difference setting	1-9°C	2°C
A4	Sensor settings	N1: Air sensor only(do not use) N2:Floor probe only N3: Air sensor and Floor probe	N3
A5	Child lock setting	0:half lock 1:full lock	0
A6	High temperature protection for external sensor	20°C-70°C When setting temp = 20°C, , if press will display , cancel high temperature protection	27°C
A7	Low temperature protection	1-10°C 1. When setting temp = 10°C, if press will display , cancel low temperature protection	5°C
A8	Temperature minimum limit	1-10°C	5°C
A9	Temperature maximum limit	20-70°C	35°C
AA	Descaling function	N/A for EUFH	N/A
AB	Power with memory function	0: Power with memory function 1: Shutdown power after power off 2: Shutdown power after power on	0
AC	Weekly programming selection	0: 5+2 1: 6+1 2: 2: 7	0
AD	Restore Factory Defaults	Hold OK button until all icons appear on screen	--

Sensor fault display: Please choose correct setting of built-in and external sensor (option A4), if chosen incorrectly or if there is a sensor fault (breakdown) then error “E1” “E2” or “ER” will be displayed on the screen. If this occurs ask the electrician to redo the test on the probe to ensure the cable was not damaged during the installation.

Warranty: We offer the warranty of 12 months, from the day of purchase.