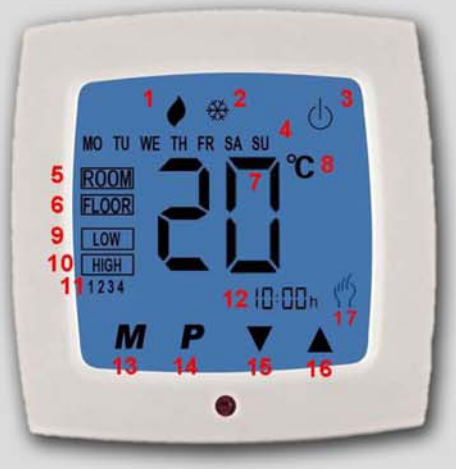
ALL-Touch Digital Programmable Thermostat

Advanced touch screen thermostat

Thermostat Display Explained



1 Activity indicator - Displays when heating is active.
2 Frost / Holiday mode indicator
3 Power Switch
4 Days of week display
5 Displays if set at room only or room and floor
6 Displays if set at floor only
7 Temperature display
8 Temperature symbol (shows either C/F)
9 Low indicator, displays when heating is economy mode
10 High indicator, displays when in comfort mode
11 Setpoint indicator, display the program cycle that is active
12 Time indicator
13 Menu button used for setting features
14 Program button for setting cycles and time
15/16 Adjustment arrows for setting values
17 Manual mode indicator, displays when temperature is adjusted

Setting the time

*Press and hold the **"P"** button for 5 seconds until the minutes indicator flashes.*

*Use the up or down arrow to change to the correct value then press "P" again for the hour indicator to flash then change the hour to the correct time, once you are happy the time is correct press **"P"** again and the day will flash, again use the up / Down arrow to change the day. Once you are happy press **"P"** again for the thermostat to revert to normal operation.*

Programming the thermostat

The thermostat is controlled by time and temperature and split into different modes economy and comfort.

***Economy mode** - Where the heating is not required (2 and 4 of point 11 in above image)*
***Comfort mode** - Where the heating is required (1 and 3 of point 11 in above image)*

Economy mode is factory set at 16 degrees and Comfort mode is set to 21 degrees but can be altered using the following method.

Steps for setting the program

1) press the "P" button once and the time will start flashing and the setpoint indicator will show 1 and days will show "mo tu we th fr"

2) Use the up and down arrow to set the desired time
3) Press the "P" button and the temperature will flash
4) Use the up and down arrow to set the temperature.

Repeat the above process through setpoints 2,3,4

5) After 1 - 4 is set the day display will show SA where you will follow the same procedure to set times and temperatures.

6) Again once SA is set the day will display SU where you will follow the same procedure to set time and temperatures.

***Note** 1 is comfort 2 is economy 3 is comfort and 4 is economy (this can be set to just 1 & 2 please see features)*

Manual Override

To manually override the thermostat simply use the up or down arrow to adjust the temperature accordingly this will then display the manual override symbol (point 17 above), to cancel manual mode press "P" once and the manual override symbol will no longer show. Manual override will revert to automatic on the next program cycle.

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Using Frost Mode

Frost mode is used when a room is not being used for prolonged periods of time to stop the floor going below 5 degrees C. To activate frost mode simply press and hold the arrow down button for 5 seconds, this will now ignore the program settings. To deactivate the frost mode simply press and hold the arrow down for 5 seconds and the thermostat will return to normal operations.

Using the Features

The All-touch thermostat is full of useful features which can be set quite easily through the feature selection menu, to access the feature selection menu simply press "M", the large number that usually displays the temperature will now display a number which is relevant to the feature (see table below) the small numbers where the time is usually displayed will now show the feature value which determins how the feature will work.

Feature ID	Feature Description	Function Value
01	Mode selection, this option determines the sensor selection mode.	1) Air and Floor (Default) 2) Air Only 3) Floor Only
02	Room sensor selection, the thermostat has an inbuilt sensor or you can use P2 wired sensor (not supplied)	1) Inbuilt Sensor (Default) 2) Wired sensor P2
03	Calibrate the room temperature, this feature is used to ensure the displayed room temperature is correct.	Use arrow up and down to change value
04	Calibrate the floor temperature, this feature is used to ensure the displayed floor temperature is correct.	Use arrow up and down to change value
05	Set the floor temperature limit, used in air and floor mode this will set the floor temperature limit.	Use the arrow up and down to set temperature 28 Degrees C (Default)
06	Sets the frost mode temperature, if set to frost mode the thermostat will activate if it goes below the temp.	Use the arrow up and down to set temperature 5 Degrees C (Default)
07	Switching differential, the switching differencial is the amount of degrees between setpoint and reactivation.	1) 1 Degree (Default) 2) 2 Degrees 3) 3 Degrees
08	Consumption information, 7 day log of how many hours of usage over the last 7 days.	Use the arrow up or down to scroll through the days to display consumption.
09	Display temperature allows you to select which unit of temperature measurement is used.	Use the arrow up or down to select C / F
10	Number of setpoints, this function allows you to choose 2 or 4 setpoints per day.	Use the arrow up or down to select 2 or 4 daily setpoints
11	Enable or disable backlight function	0) Disabled 1) Enabled
12	Enable or disable beep on key press	0) Disabled 1) Enabled

Display floor temperature (Air & Floor Only)

To display the floor temperature simply press and hold the up arrow for 5 seconds, the symbol indicating floor will display and the floor temperature will display. After 5 seconds the display will revert back to showing the room temperature.

Anti tamper Lock

The the thermostat has a lock facility to disable changes to the thermostat setting, to enable the lock press and hold the "M" button and arrow up button together for 5 seconds, this will allow the thermostat work as normal but no changes can be made. To deactivate the child lock simply press "M" and arrow up together for 5 seconds

Full Technical details can be found on www.all-thermostats.co.uk

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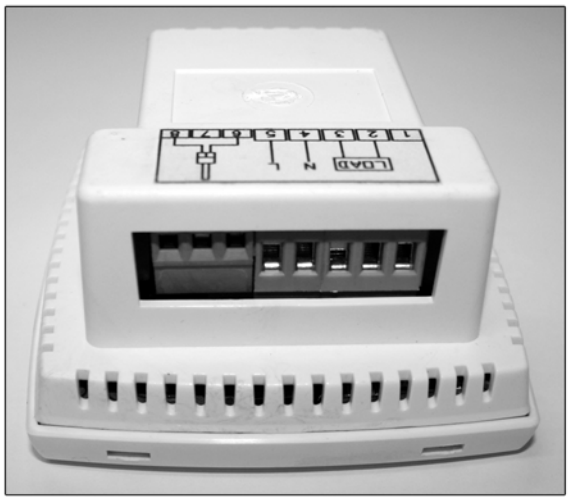


Installing your thermostat

When installing your new All-Touch thermostat it is important that the right electrical components and backboxes are in place. The electrical back box we recommend a minimum of 35mm single gang back box.

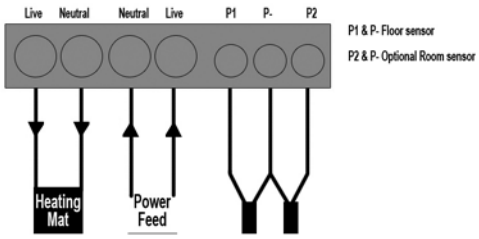
It is important that each thermostat is connected to an isolation switch i.e. 13 amp fused spur (if below 13amps) or a 2 pole isolation switch correctly rated for the load.

The wires from the isolation switch to the thermostat will connect to pin 4 (Neutral) and pin 5 (live), again it is important to ensure that the wire is rated for the overall load of the circuit.

The wires to the heating mats will connect to pin 2 (live) and pin 3 (Neutral) ensuring the wire is rated to handle the load. The load wires may need to be routed to a junction box where more than 1 heating element is being powered.

The floor sensor (supplied) will connect to pin 6/7, the sensor is not polarity driven so the wires can be connected to pin 6/7 in any combination.

The thermostat has the option of a remote wired air sensor which can be used instead of the internal air sensor, this would connect to pin 7/8. The wired air sensor is not supplied as standard.



Accessing the thermostat

On the underside of the thermostat there is 2 retention clips that can be released with a small electrical screwdriver or an item of similar characteristics. It is important that you do not try to push the retaining clips upwards as this can cause them to snap, simply guide the screwdriver slightly above the clip and gently ease the clip downwards and the clip should release with ease.

Inside the thermostat housing you will see the retaining screws for the electrical wires and also the thermostat mounting points for mounting the thermostat to the electrical backbox.

Important Note:

*** All electrical connections should be carried out by a qualified electrician*
*** Please ensure that the mounting screws are not over tightened as this can cause damage to the thermostat.*
*** Please ensure that the thermostat controllers are correctly situated in accordance to BS7671:2008*

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