

Hotwire Thermostat Instructions

Model Number: HWTH1






HotWire™
UNDER TILE HEATING

 **THE HEATING COMPANY**
"The Total Package"


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Hotwire Thermostat Instructions

Button and Descriptions	
Prog	Program button
Del	Delete mistakes during programming.
Mode	Select the Automatic or Manual operating mode.
Ok	Confirm button
Clock	To set the clock. Press the clock button press the up and down buttons and then press Ok.
Day	Press to select day of the week. Press repeatedly to select different days
+	Up button. Also a long press (5 seconds) will lock the keypad.
-	Down button. Also a long press (5 seconds) will un lock the keypad.
	Power button, to turn on/off the thermostat
	Indicates the time frames available in Auto Mode .
RT/FT	RT stands for "room temperature" and FT stands for "floor temperature".
	Heating is turned on
Manu	"Manu" indicates manual mode, "Auto" indicates automatic mode. In Auto mode, thermostat executes the preprogrammed schedules.
Auto	While in Manu mode, the thermostat maintains a constant set temperature manually set by the user.

Turning your heating On Manually:

- Press the power button to turn on your thermostat.
- Press the Mode button until the screen shows manual.
- Press the up or down button to adjust to the required temperature
- Around 23degC is an average but you can increase if required.
- Press the ok button. The reading will return to the ambient temperature
-  Flame icon should now be shown on screen

Turning your heating Off Manually:

- Press Power button to turn off your thermostat, you will see OFF on LCD.
- Your thermostat and floor are both off and your floor will cool down. Any settings you have entered into the Thermostat will be maintained

Turning your heating on and off Automatically

Step One: Set The Time and Day:

- (1). Press the clock button and the time display will start flashing, use the up and down buttons to adjust.
- (2). Holding the buttons down will increase or decrease the time in 15 minutes increments. Press the OK button once the time is set.
- (3). Press the day button to get to the current Day of the week.
- (4). Press OK button to exit.

Step Two: Set the thermostat to Auto mode

Ensure that the thermostat is on Auto mode. To select Auto mode press the Mode button until Auto is displayed. Your thermostat has 4 events each day. An Event is the moment at which the Thermostat will switch the heating on or off. For example Event 1 is the moment at which your heating will be activated each morning. Event 2 is when it will switch off in the morning. Event 3 is the evening or afternoon activation, Event 4 is the time in evening or afternoon at which the heating will switch off.

Step Three: Programming your schedules

To set your thermostat to 5+2 day programmable mode (Your thermostat will do the same thing Monday to Friday and can be programmed for different times on the weekend)

- (1). Press Prog button.
- (2). Press up or down buttons to adjust the time you wish the Event 1 to commence for the week days(from Monday to Friday). and then press Prog button.
- (3). Press up or down buttons to set the temperature for this Event, then press Prog.
- (4). Set time and temperature for the next event. Repeat step(2) and (3) for each time period. and then press Prog button.
- (5). Press up or down buttons to adjust the time you wish Event to commence for the weekends(Saturday and Sunday). and then press Prog button.
- (6). Press up or down buttons to set the temperature for this event, then press Prog.
- (7). Set time and temperature for the next event. Repeat step(5) and (6) for each event.
- (8). Press OK to save and exit.

To set your thermostat to 7 day programmable mode use the following steps (Your thermostat will do the same thing for all seven days of the week)

- (1). Press Prog button.
- (2). Press up or down buttons to select the day you wish to start programming. Or hold up button to select all seven days of the week. Then press Prog. (to cancel all seven days programming hold up button down) Time will start flashing.
- (3). Press up or down buttons to adjust the time you wish Event 1 to commence for the currently selected day. and then press Prog button, Temperature will start flashing.
- (4). Press up or down buttons to set the temperature for this time period, then press Prog.
- (5). Set time and temperature for the next event. Repeat step(2) and (3) for each event.
- (6). Press OK to save and exit.

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Temporary temperature override

In Auto mode, to temporarily override the current setpoint temperature,

1. Press up or down button once, the set temperature starts flashing.
2. Press up or down button again to adjust the set temperature.
3. Press OK button to confirm the setting with OVERRIDE shown.

Now your thermostat will maintain the new set temperature until the next setpoint.

To cancel the override setting, press Del button once.

Key Lock & Unlock

Press and hold up button to lock the thermostat. A lock icon will display.

Press and hold down button to unlock the thermostat. The unlock icon will disappear.

*** Note** no program changes are possible while the unit is locked.

Resetting factory defaults

Your thermostat has the ability to reset all settings to the factory defaults. In standby mode (when thermostat is turned off), press and hold Clock button and Day button for 5 seconds until --:-- is shown (shown for 5 seconds only)

Defaults are as follows:

Event 1 7:00 am

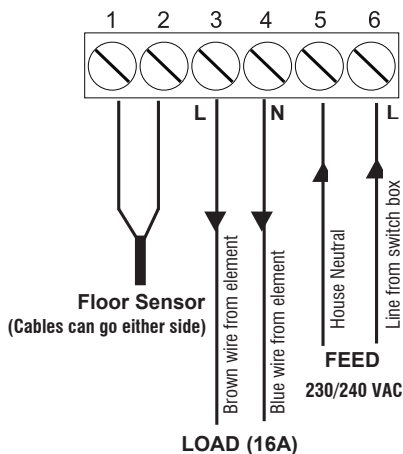
Event 2 9:30 am

Event 3 4:30 pm

Event 4 10:30 pm

Installation Instructions

Using a screwdriver unscrew the front plate from the back plate. Then pull the bottom of the thermostat towards you off the back plate. Wire up the thermostat as per the wiring diagram below, then place the back plate into the flush box and tighten it with the screws provided. To replace the thermostat put the top into the backing plate and then push the bottom of the thermostat in. Then replace screw holding both parts together.



Connect green wire from the element to the house earth



Power Supply:

220Vac $\pm 10\%$, 50/60Hz

Load Capability: < 16 A, 220VAC

Accuracy: ± 1 deg C

Set-point range: ambient 5~30 deg C
floor 5~40 deg C

Storage: -20~50 deg C

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Technical Information

Menu Settings

To access Menu settings,

1. Press Power button to turn off the thermostat.
2. Press and hold button Prog for three seconds to bring up the configuration menu. Now press Prog button to select each different menu number.

Menu #	Feature	Explanation	Factory default	Adjustment (Press up & down buttons to adjust)
01	Mode/Sensor Selection	This thermostat is a combination model which allows you to choose 3 different modes A mode = Air Sensing Only (Has built in sensor) AF mode = Air & Floor sensing F mode = Floor sensing (floor probe installed)	A	A / AF / F
02	Switching differential	The number of degrees difference before switching The default is 1Deg C which means the stat will switch the heating on 0.5DegC below the set temperature and will turn it off 0.5DegC above the set temperature. With a 2 DegC differential the heating will switch on 1 DegC below the set temperature and will switch off 1 DegC above the set temperature.	1 DegC	1 Deg C - 5 Deg C
03	Air Temp Calibration	This is to recalibrate the air temp if required	0DegC	-5 Deg C - + 5 Deg C
04	Floor Temp Calibration	This is the recalibrate the floor temperature if req	0DegC	- 5 Deg C - + 5 Deg C
05	Temp Readout (AF mode only)	This gives you the option to show the Air Temp, floor Temp or to show both Air & Floor at intervals	A	A = Show Air Temperature F = Show Floor Temperature A-F = Show Floor and Air Temperature in 5 sec intervals
06	Maximum Floor Temp (AF Mode only)	This is to protect the floor surface	40 DegC	20 Deg C - 40 Deg C
07	Temperature Format	This allows the temperature to be set to show Deg Celsius or Deg Fahrenheit	C	Deg C / Deg F
08	Clock Format	You can select the clock to show in either 12 or 24 hour time	24	12 / 24
09	Frost Protection	This is to avoid your room temp going below 5 DegC	Off	On / Off
10	5+2 or 7 Day mode	This allows you to program either 5 days at once, then the 2 days of the weekend separately, or a full 7 days at the same time.	01	01 = 5 + 2 Day Programming 02 = 7 Day Programming

