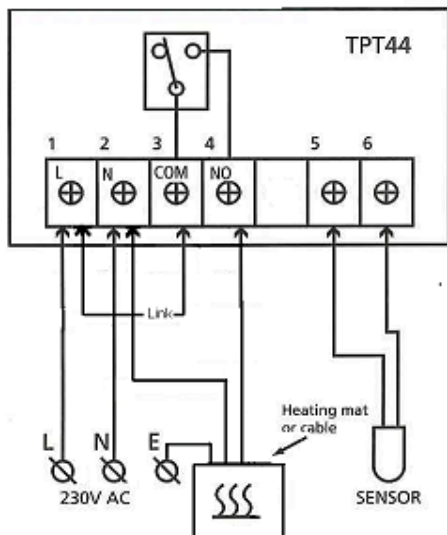


24 Hour Digital Programmable Thermostat

Wiring Connections



Connections

- Term 1 Brown (Live) feed from spur
- Term 2 Blue (N) from spur
- Term 3 Blue from heating mat/cable
- Term 4 Other end of "Link"
- Term 5 Black wire from heating mat/cable
- Term 6 Wire from sensor either colour

Earth from mat connected to earth from spur with connecting strip.

"Link" simply short length of wire in horseshoe shape.

Programming

When first switched on this thermostat has a default program set, which is a 'comfort' mode from 7:00am to 10:30pm


In case of a power cut, the unit will remember this default program but the time will need to be reset.

To reset the unit to it's original default program use a narrow blunt object (such as the end of a paper clip) to press and hold the "Reset" button through the small hole, then press and hold "SET" then release "RESET".

If using this control to regulate a bathroom heating mat please read section after Program setting.

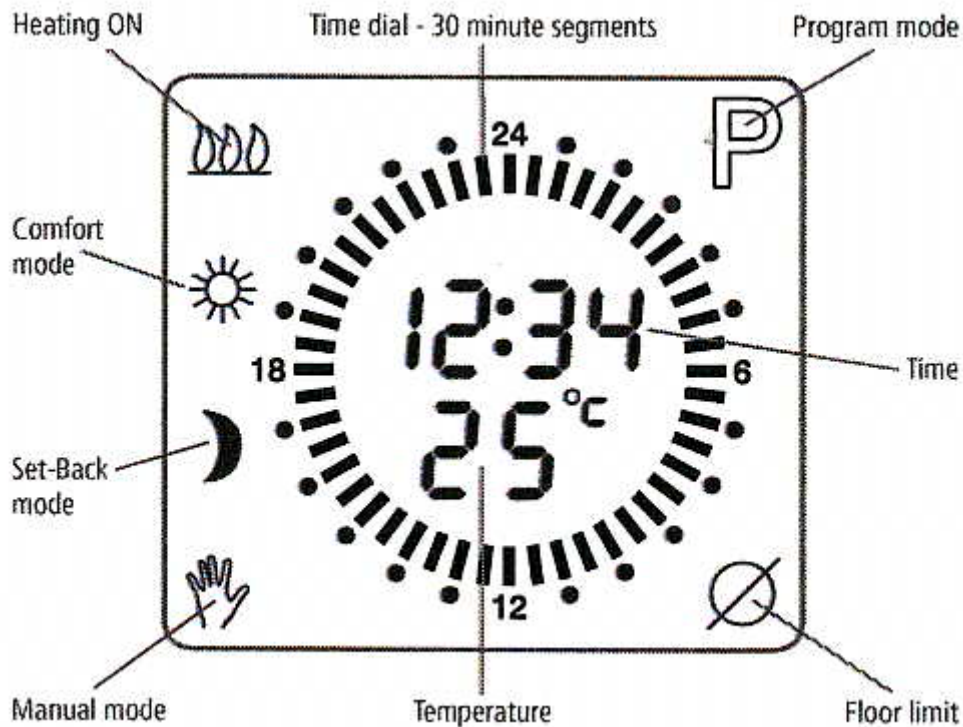
Program Setting

There are 5 functions that need to be set.

- 1 The correct time
- 2 The programme on and off times that you require
- 3 The comfort temperature (indicated on the unit as ) , this is the peak temperature




- 4 The set-back temperature (frost setting, indicated on the unit as 'D'), this is the off peak temperature the control cannot be turned off completely
- 5 '0' Maximum floor temperature

Pressing the 'PROG' button starts the setting process and pressing the 'SET' button moves it on to the next function to be set.



Instructions




1. Press 'PROG' button once. The time indicator will flash and the program indicator 'P' will show on the dial.
2. Press '+' or '-' to set the time.
3. Once you set the correct time press the 'SET' key.
4. The time will once again be flashing 00.00 using the + or - buttons set the time that you want the control to switch on in the morning (it moves in 30 minute segments) once you have set the first "on" time press the "PROG" button, once again the time will start flashing, now set the first "off" time that you require. When you have the correct "off" time press the "PROG" button again and proceed to set the next "on" time and continue for as many settings as you wish, ensuring you press the "PROG" button between each setting. Once you have set all the programmes that you require press the "SET" button. Around the control the segments will now be dark where you have set for '☀' (comfort) and light where '☾' (set-back) has been selected.

5. Press 'SET' key once the  symbol flashes then press '+' or '-' keys to set 'Comfort' temp from 10°C up to 30°C
6. Press the "SET" button and the  symbol flashes and set the 'Set Back' temp in the same way.
7. Once again press the 'SET' key and the  symbol is displayed.
8. Press '+' or '-' keys to set the floor limiter temperature from 20°C up to 30°C.
(The floor limiter should not be set higher than 30°C.)
9. Press 'SET' key to exit. The control will then display the room temperature.

The control will revert to normal display after about 15 seconds, so if it goes back to showing time whilst you are setting it up just start again by pressing the "PROG" button and if you have already programmed the time simply press the "SET" button to skip to the next function to be set. This also applies if you just wish to change one function i.e. if you wish to change the "Comfort" temperature press "PROG" button and then "SET" button twice.



Bathrooms

This control should not be sited in a bathroom, so when using the control to regulate a heating mat situated in a bathroom it should be positioned outside the bathroom (not in an airing cupboard). The programs should be set as above to your own requirements but the temperatures should be set as follows -


-  Comfort temperature at about 25°C (in excess of the ambient temperature where the control is sited).
-  Set back temperature at about 16°C.
-  The maximum floor temperature, use this to control the temperature of the bathroom floor, suggest trying 24°C and then altering until you are satisfied with the floor temperature.

Manual Temperature Setting

A. Temporary Temperature Override.

1. Press '+' or '-'. The  indicator and the temperature will flash.
2. Press the '+' or '-' key to the desired temperature.
3. Press the 'Set' key once to confirm. The  will flash every 3 seconds. It will stay in the temporary setting until the mode next switches from comfort to setback or vice versa.
4. To exit the temporary setting at any time, just press 'SET'.

B. Override for hour set periods.

1. Follow steps 1 & 2 as above.
2. Press 'PROG' key. '1H' will be displayed.
3. Press '+' or '-' to set the number of running hours from 1 to 24. The  indicator will again flash every 3 seconds.
4. To cancel this mode, press the 'SET' button.

LOCK FUNCTION

1. Press and hold the 'SET' key for 5 seconds. 'LOCK' will be displayed indicating the keyboard lock is active.
2. Press and hold the 'Set' key for a further 5 seconds to deactivate the 'LOCK' mode. 'ULOC' will appear.

(To read the floor temperature at any time, press the 'set' key and it will show for 5 seconds before automatically returning to the air temp.)

Remember that this is a room temperature control and once the "Comfort" room temperature is reached the control will switch off until the room temperature drops so the floor may not always feel warm. The control will also turn off the heating system if the floor limiting temperature is reached.

Specifications

Operating temp:	-10°C to 40°C
Operating voltage:	220 – 240V AC, 50Hz
Switch capability:	16A resistive, 3A inductive
Temp probe flying lead:	4m length
Temp control range:	6°C to 30°C
Temp accuracy:	±1°C (at 20°C)
Control type:	Normally open, voltage free
EC directives:	Conforms to 73/23/EEC and 89/336/EEC
Dimensions (mm):	84 (H) x 84 (W) x 27 (D)