

Underfloor Heating Thermostat RFSTAT-W16

Operating Instructions

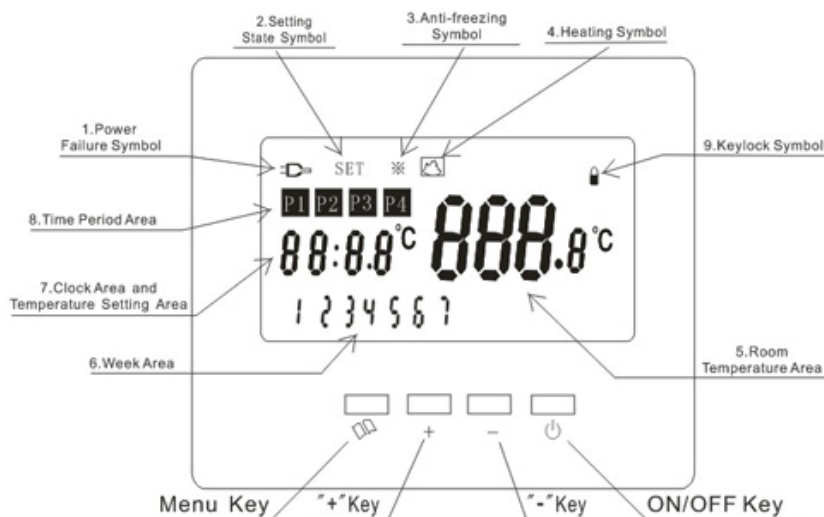


This product should be installed by a qualified electrician

These instructions should be read in conjunction with the enclosed S430 Room Thermostat instruction sheet. Keys referred to in these instructions can be found in the S430 sheet, where they are referred to from left to right as "Menu key", '+' key, '-' key and ON/OFF key.

Wiring details: These are printed on the back of thermostat casing. The floor sensor must be firmly connected to terminals 6 & 7. The 230V electrical supply connects to terminals 1 (Live) & 5 (Neutral). The heating mat(s) connects to terminals 2 (Live) & 4 (Neutral). Earth connections are made with the back box.

When the thermostat is powered for the first time you may see "OFF" on the screen. Hold down the ON/OFF key and the screen will fill with numbers.



1) Setting the time and day of the week

With the thermostat now switched on press the menu key once. This will start the menu characters to flash e.g. F0. The menu can be changed to F1, F2, F3, F4, F5 or F6 by pressing the "+" and or "-" keys. F0 is the menu for setting the time. Press the ON/OFF button and the day of the week will flash e.g. for Thursday it should be number 4. Use the "+" or "-" buttons to adjust to the correct day of the week.

Now press the ON/OFF key and the hours will flash. Press the "+" or "-" key to adjust to correct hour. Press the ON/OFF key again and the minutes will flash. Press the "+" or "-" key to adjust to the correct minutes. Now press the ON/OFF key again to accept the setting and finally press the Menu key to return to the main screen.

The thermostat has a battery back up. If the electrical supply to the thermostat is turned off the time and date settings will be saved for the next time the thermostat is switched on.

2) Mode 0 setting (default setting as supplied from the factory)

The RFTECH-W16 has three different modes but its default setting as supplied from the factory is Mode 0. Mode 0 allows the thermostat to function as a combined floor and air temperature controller. To make changes to the mode press the Menu key and the menu characters will flash. Adjust to menu F5 with the "+" or "-" keys. Press the ON/OFF key and the Mode Setting will flash e.g. 0, 1 or 2.

Select the mode required by pressing the "+" or "-" keys. Now press the ON/OFF key again to accept the setting and finally press the Menu key to return to the main screen.

- Mode 1 - Air sensing only
- Mode 2 - Floor sensing only
- Mode 0 - Combined air and floor

When the thermostat is in the combined floor & air setting (Mode 0) the screen will display the room temperature. This is the large number to the right of the screen.

Mode 2 setting (Floor only)

When the thermostat is in the floor only setting (F Mode) the screen will display the floor temperature. Again this is the large number to the right of the screen.

3) Setting the high temperature protective setting

The default setting is 50°C and we recommend this is set at 40°C. Press the menu key once. This will start the menu characters to flash e.g. F0. Use the "+" or "-" keys to adjust to F2.

Now press the ON/OFF key and the temperature will flash. Press the "+" or "-" key to adjust the temperature to 40°C.

Press the ON/OFF key again to accept the setting and finally press the Menu key to return to the main screen.

4) Setting the four comfort levels - TIME & TEMPERATURE

The enclosed S430 instruction sheet shows the default factory settings for each comfort level. 25°C when you require heat for comfort and 10°C when you are out of the building or in bed. The thermostat does not turn off during each 24 hour day, so when you require the most economical operation e.g when the building is not occupied or you are in bed, or a higher level when you actually need heat, the temperature setting can be adjusted to any level you want.

Comfort level settings are ONLY made in the AUTO setting mode. To change between AUTO and MANUAL setting press on the "-" key for up to 20 seconds. Press the ON/OFF key to accept. In AUTO setting the time period symbol will appear on the screen e.g. P1, P2, P3 or P4.

Examples

- Comfort Level No. 1 - Wake - P1
- Comfort Level No. 2 - Leave - P2
- Comfort Level No. 3 - Return - P3
- Comfort Level No. 4 - Sleep - P4

To make changes press the Menu key and the menu characters will flash. Adjust to menu F1 with the "+" or "-" keys. Press the ON/OFF key to accept and the days of the week flash e.g 1 2 3 4 5.

Press the ON/OFF key and the time period P1 will flash. Press the ON/OFF key to accept and the time will flash. Press the "+" or "-" key to adjust the time. This is the time you want the heating to operate in the morning. Press the ON/OFF key to accept and the temperature will flash. Press the "+" or "-" key to adjust the temperature to say 25°C. Press the ON/OFF key to accept and the next time period will flash e.g. P2.

Press the ON/OFF key to accept and the time will flash. This is the time you want to leave your property. Press the "+" or "-" key to adjust the time. Press the ON/OFF key to accept and the temperature will flash. This setting can be as low as you want, say 10°C. Repeat the above for all time periods and end by pressing the ON/OFF key then press the menu key to return to the main screen

5) Manual Setting

This allows you to over-ride the temperature setting in any period level at any time. For example, you arrive home early and want the heat on. Manual changes can only be made in the MANUAL setting. To change between AUTO and MANUAL setting press on the "-" key for up to 20 seconds. Press the ON/OFF key to accept.

Assume you have set the temperature for this Level at 15°C and the room temperature reading to the right of the screen is 18°C. The heating will not be energised in this setting.

Press the "+" or "-" key to adjust the temperature. The temperature will start to flash when you press the key. Use the "+" or "-" key to set a new temperature above 18°C, as in this example. Lets say 22°C, and then press the ON/OFF key and the thermostat will re-set and the heating symbol will appear at the top of the screen. The thermostat will automatically return to your original time period settings when it reaches the next comfort level (time period) setting.

To check the floor temperature in Mode 0 press the ON/OFF key.