

### **Control Centre Jumper Settings**

**Changes to the jumper settings should only be made by the Engineer carrying out the installation or other qualified person.**

The installer should select the jumper positions required if changes need to be made to the factory default settings. These jumpers are found on the rear of the Control Centre.



<b>Jumper</b>	<b>Function</b>
Program	Jumper for 5-2 (factory default setting) or 7 individual days programming.
Span	Movable jumper for selecting temperature span of $\pm 0.5^{\circ}\text{C}$ (factory default setting) or $\pm 1.0^{\circ}\text{C}$
1,2,3,4,5	Removable jumpers for altering the RF address code when used in conjunction with the corresponding DIP switch on the Receiver.

**NOTE:** The Reset button must be pressed after changing jumper positions.

## **RF Address Code Setting**

If there is another unit being used nearby, e.g. in the next house or as part of a multiple installation, your Receiver may be fault triggered by the other Control Unit. You can change the RF Address Code to help prevent this problem.

Each Receiver can only respond to RF transmissions from a Control Centre that has the same RF address code setting.

**Disconnect any AC power to the Receiver, and remove the batteries from the Control Centre before attempting any adjustment of the RF Address Code switches and jumpers. If you are not sure how to carry out this operation correctly, consult either with a qualified electrician or heating engineer or contact the Technical Helpline for advice on how to continue.**

To adjust the RF address code of the Receiver, simply push up one or more of the 5 DIP switch levers on the DIP switch bank located on the back of the receiver (the levers are numbered 1 to 5 from bottom to top, as shown in the picture below), and then make a note of the setting of each switch:



To adjust the RF address code of the Control Centre, remove one or more of the jumper caps located on the back of the unit (labelled 1,2,3,4 and 5, and shown in the picture below) so that the jumper settings match the settings made on the receiver:



For example, if the DIP switches on the Receiver were set as follows:

- |   |   |     |
|---|---|-----|
| 1 | - | ON  |
| 2 | - | OFF |
| 3 | - | OFF |
| 4 | - | OFF |
| 5 | - | ON  |

Then you would need to remove jumper caps 2, 3 and 4 on the Control Centre to make sure that they are both set with the same RF address code. Please make sure that you keep any of the jumper caps you remove in a safe place, in case you later need to change the RF address setting again.

You must press RESET on the Control Centre after making any changes to the RF address code settings.

### **Testing the RF Transmission**

It is important to site both the Receiver and Control Centre in locations where the RF signal cannot be interrupted.

The receiving range between Control Centre and Receiver is 60 metres in open air, however many factors can affect the RF transmission and shorten the operating distance, e.g. shielding by thick walls, foil back plasterboard, metal objects such as filing cabinets, general RF interference, and so on.

The range is generally large enough for most household applications, but it is advisable to test the RF transmission from the intended Control Centre location to the Receiver location before fixing the Control Centre to the wall. To check the RF reception, follow the following steps:

1. Press the UP button on the Control Centre until the set point temperature is higher than room temperature by a few degrees.
2. Wait for a few seconds. The Burner on (heat call) indicator should appear on the bottom left of the LCD on the Control Centre.
3. Check the green LED on the receiver unit - it should be lit.
4. Press the DOWN button to adjust the set point temperature to be lower than room temperature.
5. Wait for a few seconds, and the Burner on (heat call) indicator should disappear and the green LED should switch off.
6. If at step 3 the green LED is not illuminated, press the RESET button on the Control centre and try to place the Control Centre closer to the Receiver.
7. Repeat steps 1 to 5.

If you are unable to get a stable RF connection between the Receiver and Control Centre, check that the Receiver is both switched on and has a mains supply (red LED lit). If this isn't the problem you can also alter the RF address code by following the 'RF Address Code Setting' section of this manual, and then repeat steps 1 to 5 (note that the RESET button on the Control Centre should be pressed after altering the address code).

### **Multiple Thermostat Installations**

If you are using more than one programmable thermostat in the same installation, be sure that there is at least a 1 metre gap between receiver units to avoid crosstalk and other RF interference.

When installing multiple thermostats, you should assign different RF address codes by following the instructions in the 'RF Address Code Setting' section of this manual. Each unit should be introduced to the installation one at a time with all other Receiver units switched off. Also make sure that the batteries are removed from all other Control Centres.

Install each unit following the 'Testing the RF Transmission' section above - once you are happy with the operation of one unit you can install the next.

Once all the units have been installed, if one unit then seems to function abnormally, try changing the RF address code of that unit's Control Centre and its corresponding Receiver, making sure that the new RF address code is different to all others in the installation.

The control centre sends RF On/Off signals every 10 minutes to ensure the Receiver is in the correct state. If for some reason the first RF signal is interrupted you may notice the Control Centre has stopped or started calling for heat but the Receiver hasn't switched. Simply wait 10 minutes until the next RF signal is transmitted and the receiver unit should then switch correctly.