

Contents

1. Specifications & wiring
2. Mounting
3. Installation
4. Button / LED description
5. Resetting the RF1 receiver
6. To connect the RF1 receiver to a RFCA wireless thermostat
7. To disconnect the RFCA thermostat from a RF1 receiver



Important: Keep this document

Prior to operation, it is necessary to complete all required settings described in this section.



CAUTION!

Before commencing any work on the electrical connections, you must first disconnect the device from the mains. None of the 230V connections must be live until the installation has been completed and the housing is closed. Only qualified electricians or authorised service staff are permitted to open the terminal box.

There are parts that carry mains voltage behind the cover. The terminal box must not be left unsupervised when open. (Prevent non specialists and especially children from gaining access to it.)

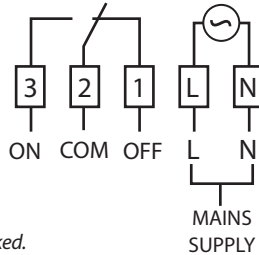
Ensure that this wireless enabled receiver is installed 1 metre from any metallic object, television, radio or wireless internet transmitter.

1. Specifications & wiring

Power Supply: 230 Vac 50Hz
 Contact Rating: 250 Vac 10(3)A
 Ambient Temp: 0~50°C

Class II appliance
 Pollution degree 2: Resistance to voltage surge 2500V; as per EN 60730

Internal wiring diagram for RF1



**If mains voltage output is required, terminals L & 2 must be electrically linked.*

2. Mounting

The RF1 receiver should be wall mounted in an area within 20 metres distance of the wireless thermostat.

It is important that the receiver is mounted more than 1 metre away from metal objects as this will affect communication with the thermostat.

The receiver should also be installed at least 1 metre from any electronic devices such as radio, TV, microwave or wireless network adaptor.

- The unit can be fitted to:
1. Recessed conduit boxes
 2. Surface mounting boxes

3. Installation

Slacken the fastening screw on the bottom of the receiver with a philips screwdriver.

The receiver is hinged and can be opened 180 degrees. Mount the unit as described in section 2. Wire the unit as described in section 1. Close the receiver and tighten the fastening screw.

4. Button / symbol description



4. Button / LED description (Continued)

Wireless connect: Once voltage has been applied this button may be pressed to initialise the pairing process with the wireless thermostat. Once pressed the red LED will begin to flash.

Manual override: This button will manually override the system.

Wireless connect indicator: This LED will flash on receiving wireless signals. If it is constantly ON, the RF1 receiver has been disconnected from the wireless thermostat.

5. Resetting the RF1 receiver

Press the RESET button located on the side of the receiver. Within 2 seconds, press the connect button. The RF1 receiver is now reset.

6. To connect the RF1 receiver to a RFCA thermostat

The wireless connect LED will be constant red once power has been applied.

Press the button **on the RF1 receiver**.

Both the red and green LED on the RF1 will begin to flash.

On the RFCA thermostat, press the button on the bottom of the thermostat, the front housing will detach from the baseplate.

Press the CODE button on the printed circuit board.

When r1 appears on the screen, press the hand wheel once.

The thermostat is now connected to the RF1 receiver.

7. To disconnect the RFCA thermostat from a RF1 receiver

On the RF1 receiver

Press the reset button on the right side of the housing.

Within 2 seconds, press the connect button.

The RF1 receiver is now disconnected from the RFCA thermostat.

On the RFCA thermostat

Press the button on the bottom of the thermostat, the front housing will detach from the baseplate.

Press the RESET button on the printed circuit board. "NO" will flash on the screen.

Rotate the hand wheel clockwise until "YES" appears on the screen.

Press the hand wheel once to confirm the setting.

The thermostat is now disconnected to the receiver.