

HeatMax™

RF Single Channel Receiver
34047



Installation & User Guide

Description / Overview

The HeatMax™ RF Single Channel Receiver is an electronic receiver with LED display designed for use with warm water underfloor heating systems.

- Radio frequency RF receiver (433.92 MHz)
- 230V AC powered
- Push button mode selector
- Manual over-ride
- Should only be used with HeatMax™ RF thermostats
- Range of approximately 30m in a residential environment
- No need for wires or damage to wall surfaces

How it works

The HeatMax™ RF Single Channel Receiver is a state of the art, silent radio frequency receiver, with a clear readable panel that allows you to control your heating using HeatMax™ RF thermostats located anywhere in the property, even in wet areas.

Installation

CAUTION:

- ! Do not make any electrical connections until you are certain the power is switched off

Tools required

1. Phillips Screwdriver (for cover removal or replacement)
2. Slotted Screwdriver with a 2.5mm or 3.0mm blade (for terminal connections)
3. Screwdriver to suit mounting screws (not supplied)

Step by step guide

1. Mount the receiver on the wall at your selected position close to the HeatMax™ Master Controller Module
2. Undo the two screws located on the front of the case
3. The two parts of the receiver can now be separated
4. Undo the screws holding the cable clamp
5. Thread through the cable
6. Connect the cable to the terminals (see schematic below)
7. Retighten the screws of the cable clamp
8. Replace the cover of the receiver and replace screws

NOTE:

- Ensure that the receiver
 - ✓ Is not located in a wet or damp area
 - ✓ Is accessible

Set-up / Commissioning

CAUTION:

- ! Please read all instructions prior to setting up your HeatMax™ RF Single Channel Receiver

Radio Configuration Mode

After you have installed and wired in the receiver, press the mode button on the top of the unit continuously for 4 seconds, the Green LED will light up, indicating that the receiver is in radio configuration mode “RF initiation” waiting for the thermostat configuration address.

To assign a HeatMax™ RF Digital Thermostat to the receiver put the Thermostat in “RF initiation” mode (please refer to the thermostat leaflet).

The HeatMax™ RF Digital Thermostat will send a configuration address by radio signal to the receiver.

Verify that radio signals are correctly received. On the receiver the Green LED will blink at each radio signal received from the thermostat.

Exit the radio configuration mode on the thermostat. (Please refer to the thermostat leaflet).

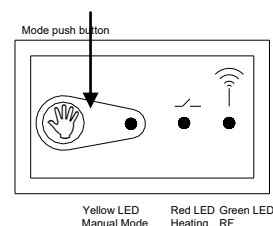
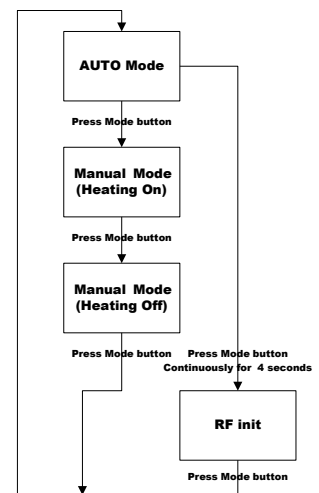
When the thermostat is configured. Press the mode button on the receiver to put it into Auto mode.

NOTE:

- ✓ In this mode the thermostat should be near the receiver

User Guide

To access and change the Operating mode menu press the Mode key: -



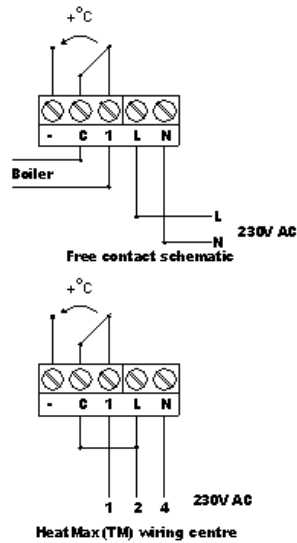
LED indicator

Yellow	Red	Green	Mode
0	0	0	Automatic Mode, Heating Off
0	1	0	Automatic Mode, Heating On
1	0	0	Manual Mode, Heating Off
1	1	0	Manual Mode, Heating On
0 or 1	0 or 1	Quick Flash	Reception of thermostat signal
0 or 1	0 or 1	1	Waiting for a configuration signal
0	0	Slow Blink	Error see repair sequence below

Repair Indicator

Repair Instructions	Check batteries in thermostat Check thermostat is in range
Mode does not change when button is pressed	Check receiver terminals are correct Check mains power supply (230V AC)

Wiring Schematic



Technical Information

Operating temperature	0°C - 50°C (or 32°F - 122°F)
Electrical protection	Class II - IP44
Power supply	230V AC 50Hz
Radio frequency	433.92 MHz, <10mW
Certifications	CE, EN 300220-3, EN 301489 (Radio frequency certifications)
Output	Relay 12A 250V AC

Spare Parts / Options

There are no spares available for this item.

Address and Contact Information

CONTINENTAL UNDERFLOOR

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