

**Mains Borne Signalling Receiver Unit**

**Model: RX03002**



**Dimensions**

(millimetres)

Height	Width	Depth
171mm	50mm	25mm



**Fig. 1**

**THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE**

**GENERAL DESCRIPTION**

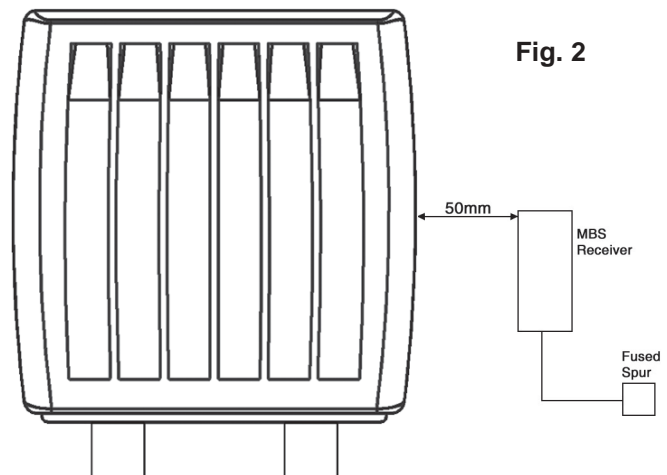
MBS Receiver for Dimplex DuoHeat Radiators. To be used in conjunction with RX010007 MBS programmer. (Please refer to RX010007 Operating Instructions).

RX010007 provides central control for up to 20 radiators across 2 zones, using existing wiring to communicate to the radiator(s). One RX03002 receiver is required for each radiator. The receiver accepts the MBS signal and converts it to a pilot wire output, automatically switching the radiator(s) between comfort and set back modes in accordance with the preset programme. Each receiver can manually override the comfort and set back settings sent by the central control program for the radiator(s) if required.

**INSTALLATION**

**Wall mounting**

Firstly decide where you are going to install the receiver, in conjunction with the clearance of minimum 50mm shown in Fig. 2. Screw the receiver to the wall using one of the 4 bracket types or the adhesive pads.

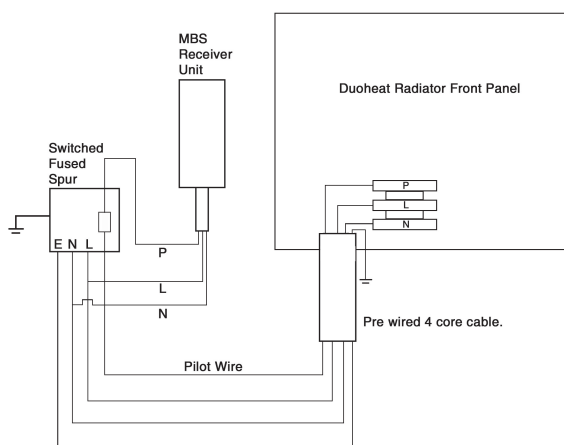


**Fig. 2**

## Wiring

### IMPORTANT – ISOLATE BOTH MAINS SUPPLIES TO THE RADIATOR BEFORE INSTALLING

The receiver unit should be connected to the DuoHeat radiator by connecting the pilot wires from the heater and MBS receiver unit together.



Connect the brown (L) and blue (N) wires from the RX03002 MBS receiver unit and the DuoHeat radiator to the mains supply. Connect the black wire (Pilot) from the receiver unit to the black wire from the DuoHeat radiator front panel using a through crimp.

Make the connections such that the MBS receiver will be isolated together with the direct acting power supply to the heater when the fused spur is switched off.


Switch on the mains supply and the receiver is now ready to be configured.

## Configuration


Set the MBS central controller RX010007 to the configuration mode. (Please refer to section 5 of RX010007 instructions)

The RX03002 receives information from the central controller unit and transmits it to the Duo heat radiator.

You must now configure the MBS receiver with the MBS central controller (RX010007)

Press the  key briefly and the green 'OK' light will flash steady. The receiver is now configured.



If the green 'OK' light flashes slowly then the receiver is not configured. Press and hold the  key for 10 seconds until the green 'OK' light flashes slowly then press again briefly, the green 'OK' light should flash steady and the receiver is now configured.

## Operation

Receiver modes are explained in the table below:






Table 1

Controller Mode	Heater Function
Comfort	Radiator functions at thermostat setting
Setback	Radiator controlled at pre-set minimum setting (approx. 17°C)
Frost Protection	No input charge accepted. Radiator maintains approx. 5°C
Off	No heat output


### Manual Override

Each RX03002 MBS receiver can manually override the comfort and set back settings sent by the RX010007 MBS central controller. 'Frost protection' and the 'Off' setting cannot be overridden by the receiver only by the central control unit. Room temperature is set by the controls on the radiator. (See Table 2).

Table 2

Program in progress	Mode after pressing the  key	Corresponding flashing light
Comfort	Background	
Background	Comfort	
Frost protection	Comfort	
Off	Comfort	

Override cancelling;

- If the program has been manually overridden at by the MBS receiver, the MBS controller unit will automatically change the setting at the start of the next program.
- To manually change the setting again press  key on receiver

### Cleaning

The outside of the receiver should be wiped over with a soft damp cloth and then dried. Do not use detergents or abrasives.

### After Sales Service

Your Dimplex receiver is guaranteed for one year from date of purchase. We undertake to exchange or repair free of charge within this period, any part found to be defective.

Should you require after sales service, please get in touch with the supplier through whom you purchased the product, or contact Dimplex Customer Service.

Please do not initially return a faulty product, or part of, to us as this may result in transit damage and/or a delay in providing service. Let us know your difficulty by quoting the model number and we will take the appropriate action.



This appliance complies with the European Standards EN 60 335-1, EN 60 335-2-61, EN 61000-3-2, EN 61000-3-3, EN 55014 and EN55104 for Safety & Electromagnetic Compatibility. These standards cover the requirement of the EMC Directives 89/336 & 73/23

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