

Remeha

Rematic RF mechanical RF timer / thermostat

1. Description

The Rematic RF is a radio frequency 24-hour clock and room thermostat. It consists of a Transmitter, with a boiler mounted Receiver as shown in Fig. 1. The unit can be pre-programmed to provide maximum and minimum room temperature control. The 24-hour clock can be set in 15 minute increments to provide automatic day- or night set-back temperature control. The programming can be overridden with a manual control which is built-in to the transmitter clock, and the two temperature levels can be adjusted using the temperature setting dials. The mechanical transmitter is battery powered using two AA size alkaline batteries. The batteries should operate the unit for approximately 18 months to 2 years depending on the number of switching operations etc. Only good quality alkaline batteries should be used. Do not use rechargeable batteries as they are unsuitable for this application. When the batteries need replacing, the low-level battery warning L.E.D. on the transmitter will flash yellow.

Note: If the batteries are not replaced the transmitter L.E.D. will start to flash red. At this point the clock and transmission of RF signals will stop. After 1 hour the boiler will operate in 'Emergency mode' (heating on for 4 min. and off for 9 min.) until the batteries are replaced.



Rematic RF Transmitter



In-built Receiver

Fig. 1

2. Installation of Receiver into boiler

Ensure the electrical supply to the boiler is isolated.

Install the receiver into the boiler control panel in the position provided for the internal timer in accordance with instructions supplied in the fitting kit.

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3. Installation of Transmitter – see Figs. 2 & 3

Locate and fit the Transmitter as in Fig. 2. taking into consideration where *not* to position the Transmitter as shown in Fig. 3. The following can reduce, deflect or block radio frequency signals between the Transmitter and Receiver:

- a. Steel reinforced walls
- b. Large metallic object e.g. kitchen appliances, filing cabinets, mirrors etc.
- c. Maximum distance between Receiver and Transmitter is:-
 - i. in open air 50m
 - ii. in buildings 20m to 30m depending on radio obstructions

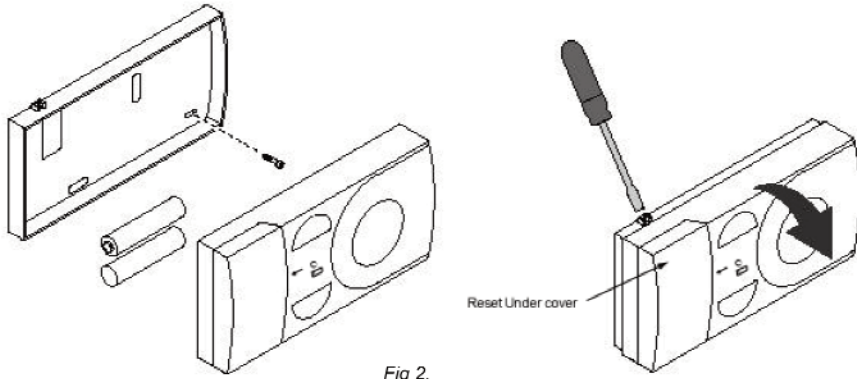


Fig 2.

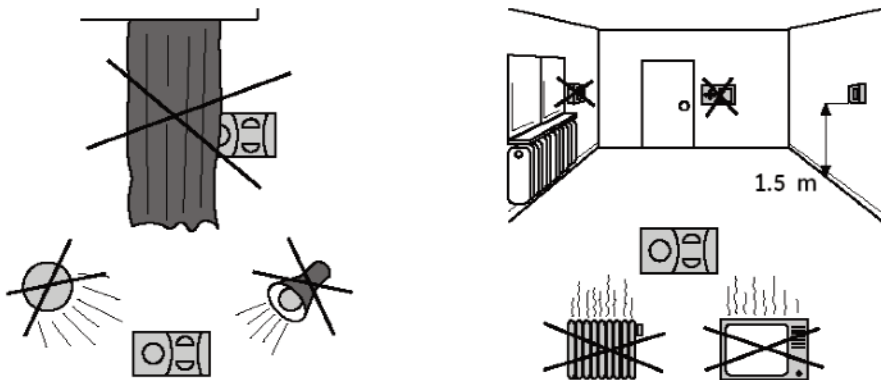


Fig 3.

Battery fitting / replacement:

1. Remove transmitter from backplate.
2. Fit (or exchange) batteries. Use only good quality AA alkaline cells.
Do not use re-chargeable cells as they are unsuitable for this device.
3. **IMPORTANT:** Press Reset button (under l.h. sliding cover)
4. Re-fit transmitter to backplate

4. Commissioning

The Transmitter & Receiver are pre-commissioned as a matched pair and marked as such.

Once the receiver is powered, and the batteries are fitted in the transmitter, the set will communicate within 10 – 20 seconds. Switching at the receiver (if the transmitter is put into a 'demand' condition) will occur within 30 – 40 seconds. Re-commissioning of a set (for instance in the event of fitting a replacement transmitter or receiver) can be carried out as follows:

- a. Turn on electrical supply to boiler and turn boiler selector to heating mode.
- b. Press and hold black button on Receiver. The red l.e.d. will flash once immediately. It will flash a second time after a further two-to-three seconds. Now release the button
- c. The red l.e.d. will remain illuminated. The receiver is now ready to receive a commissioning signal from the transmitter.
- d. Insert the batteries into the transmitter and press the Reset button found under the L/H sliding cover – the transmitter will immediately send commissioning signals.
- e. When a signal is received from the Transmitter, the Receiver l.e.d. will go out (normally within 10 – 15 seconds). The radio link between the Transmitter and Receiver is now established.

Note: When in operation and an 'ON' signal is received the Receiver l.e.d. will illuminate continuously. When an 'OFF' signal is received the l.e.d. will remain off, but will flash intermittently.

5. User Instructions

Note: The left-hand panel slides to reveal quick reference user instructions and the Reset button.

a. Set Time

Slide clock cover off the transmitter

Rotate dial clockwise until the clock hands and the 24 hour pointer display approximately the correct time

Note: Do not rotate anti-clockwise or damage may occur to the unit.

Rotate the minute hand with your finger to set the exact time.

b. Set Heating Programme

Using the 1 to 24 hour marks on the outer dial, set the tappets outwards for daytime (maximum) setting inwards for night-time (minimum) setting

c. Set maximum / minimum room temperatures

Rotate the dials to set the room temperatures required:

5 – 30°C for the daytime (maximum) setting

5 – 15°C for the night-time (minimum) setting

d. Mode selection

Move the selector switch to set:

Timed position – Heating ON / OFF as set by tappets

MAX position – Heating ON continuously (controlled by MAX thermostat dial)

MIN position – Heating OFF (minimum room temperature maintained according to setting of MIN thermostat dial)

Please note:

There is a time delay of between 10 and 30 seconds for the receiver to respond after the thermostat is turned up or down