INSTALLATION AND INSTRUCTIONS

The Easy-Heat Electric Radiator

Thank you for purchasing the EASY-HEAT radiator.

Please ensure that you have read and fully understand this manual. Every effort has been made to ensure the highest standards of reliability for your EASY-HEAT product. However should something go wrong, please do not try to repair it yourself, Consult the manufacturer.

The installation and operation must be in accordance with local regulations and accepted codes of practice.

The radiator and its accessories are delivered in a cardboard carton. The contents of the carton are as follows:

- Models suffix **S**

1. EASY-HEAT electric radiator.
2. Room thermostat fixed to side of radiator
3. Mounting brackets
4. Installation Instructions

- Models suffix **RF**

1. EASY-HEAT electric radiator.
2. Programmer / transmitter. (Not supplied if running from another)
3. Mounting brackets
4. Installation Instructions

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INSTALLATION

1. First choose a suitable position for your EASY-HEAT Radiator. The recommended height from the floor to the base of the radiator is 3 inches (approx 80 MM) minimum. Any shelf or protrusion above must be a minimum of 3 inches (80mm) above the top of the radiator. This allows adequate airflow.

2. **WARNING:** The heater must not be located immediately below a socket outlet.

3. Attach the brackets to the wall, using the correct fixing, to ensure the heater is securely mounted as it is a heavy item. We strongly recommend that moving the radiator be carried out by 2 people.

4. The **RF** room thermostat should be sited in accordance with the thermostat instructions. It is **not recommended** that the thermostat be mounted directly above the radiator. **A** position further away will improve heating efficiency in the room.

5. Models with the suffix **RF**. These models are supplied with an RF Programmer, and do not have a control cable., The **RF** controller is 7 day,24 hr programmable.

6. Up to 7 EASY-HEAT Radiators with the suffix **RF**, can be run from the same RF programmer. To achieve this all that is required is that the radiator receivers must learn the transmitter code. Follow the instructions 'RF System Commissioning' in the thermostat installation guide.

7. Connect the mains supply plug, ensuring a 13 amp fuse is fitted to the plug (UK type).

8. The EASY-HEAT Radiator is now ready to run.

9. Telephone Help Line:

   EASY-HEAT Ltd 01422 231943

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OPERATION

1. Switch the power ON, check the Green supply lamp is illuminated. This light can be seen looking down into the radiator on the right hand side. This light will remain on at all times. Amber light will show when heating up. This will switch on and off when the radiator is at its Maximum Temperature.

2. Models with the suffix **S** set the room thermostat to run. The first time the radiator is switched on you may hear a slight water rushing noise as the pump starts to operate, this will only be for a short while, and from then on the radiator will operate very quietly.

3. Models with the suffix **RF** follow installer set-up mode in the thermostat installation instructions.

4. The mains supply can be left on; the temperature control is set by the room thermostat.

5. Cleaning – Use a damp cloth to clean the external parts of the radiator. **DO NOT** pour liquid into the radiator.

6. It is strongly recommended that the EASY-HEAT Radiator is run for ½ hour each month during the summer months to ensure that the pump is fit for winter operation.

DESCRIPTION

The EASY-HEAT Stand Alone Independent Radiator is a water filled double panel radiator room heater. It is electrically powered, and controlled by a room thermostat.

There are 3 phases in its operation to ensure the most economical use:

1st The room is cold and the room thermostat switches on, the radiator starts from cold. During this period the boiler inside will run continuously bringing the radiator up to working temperature. Normally this takes 15-20 minutes.

2nd The room is still cold and the room thermostat remains on, but the radiator has now reached its running temperature. Now the boiler modulates on and off maintaining the temperature of the radiator. The modulation ratio 'on to off 'is dependent upon the room temperature and heat loss. The power consumption is therefore reduced.

3rd When the room reaches the required temperature, the room thermostat switches off which turns the boiler off. The power drawn by the boiler is now zero.

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WARNINGS

- Do NOT attempt to service, open any panels or bleed the EASY-HEAT Radiator.
- **If the supply cord is damaged, it must be replaced by the manufacturer, in order to avoid any hazard.**
- should the radiator be damaged in any way and need to be refilled or serviced, then this **must** be carried out by the manufacturer.
- should the heater be installed in a bathroom, it **must** be situated so that the heater and controls cannot be touched by a person in the bath, shower or by a person who can reach the basin or touch water in any way. Wet towels or articles must not be hung over the radiator to ensure no water drips into the radiator.

TROUBLE SHOOTING

1. The Green light is not illuminated and the radiator does not operate. – Check the mains supply to the radiator,
2. The Red light is on, not heating – Switch main off wait for radiator to cool and then switch mains on again. If Red lights keep re-appearing contact the manufacturer.
3. If the display is not illuminated on the **RF** Programmer – Check batteries are fitted correctly. – Replace batteries if necessary.
4. The radiator will not operate if there is no 'flame sign' displayed on the **RF** Programmer / Thermostat. – Press 'Δ' button until the programmed temperature is above the displayed room temperature, then the 'flame sign' will appear.
5. The radiator does not operate when the 'flame sign' on the **RF** Programmer is illuminated. – The receiver on the Radiator has not learnt the transmitter code. Follow the instructions '**RF** System Commissioning' in the thermostat installation guide.

TECHNICAL SPECIFICATION

Model	Dimensions	Approx Kw Output	Approx Weight
EH411	400 x 1100	1.5	34 kg
EH414	400 x 1400	2.2	43 kg
EH509	500 x 900	1.5	34 kg
EH511	500 x 1100	2.0	43 kg
EH604	600 x 400	0.75	30 kg
EH610	600 x 1000	2.0	45 kg

Depth of all radiators approx.115mm 1 Kw = 3412 Btu.

Supply …… 220v – 240 v Hz
Water temperature …… 70°C
Power …… 1.8 Kw– 2 Kw
Ambient temperature …….. 0 - 35°C