

CLEANING:

- Always remove the plug from the electrical socket and allow the heater to cool down before cleaning the heater.
- Wipe heater with a soft dry cloth.
- Do not try to repair the heater yourself, always consult a suitably qualified engineer.

WARNING:

Do not immerse the heater in water.

Do not use any cleaning chemicals such as detergents and abrasives.

Do not allow the interior to get wet.

EVENTUALLY, YOU MAY WANT TO REPLACE THIS HEATER:

New regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ.

When your heater comes to the end of its life or you choose to replace it, do not dispose of it with your normal household waste. Please recycle where facilities exist. Check with your supplier or local authority for suitable options.



IF YOU EXPERIENCE PROBLEMS:

If your heater is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna heating product.

SPECIFICATION:

VOLTAGE: 220 – 240V – 50Hz

POWER MAX: 450W

111109-SM



SAFETY AND INSTALLATION INSTRUCTIONS



Pack contents:

450W frost protection convector heater c/w 3A. fused moulded 3 pin plug fitted	Qty.1
Fixing screws	Qty.2
Wall plugs	Qty.2



Model: FROST450 450W Frost Protection Convector Heater

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE USING YOUR HEATER
PLEASE RETAIN FOR FUTURE REFERENCE**

General Information and Safety Instructions:

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the supplier where you bought this product.

IMPORTANT SAFEGUARDS

This heater must be installed by a competent person in accordance with the Building Regulations making reference to the current edition of the IEE Wiring Regulations (BS7671). The Building Regulations may be obtained from OPSI (Office for Public Sector Information) or the department of Communities and Local Government and viewed and downloaded from www.communities.gov.uk following the link for Building Regulations.

- As the buyer, installer and/or user of this heater it is your own responsibility to ensure that this heater is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.
- If in any doubt, consult a qualified electrician.
- This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service.
- Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- When working at heights, please use a suitable platform.
- Suitable for indoor use only.
- This heater is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard, and masonry. It is not suitable for use on highly flammable surfaces.
- Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.
- Make sure that the fixings are strong enough to support the considerable weight of the heater and hold it rigidly.
- When choosing the location for your new heater, ensure that the fixings will be anchored in a solid surface e.g. concrete, brick or a joist—do not fix directly onto panelling, cladding, plasterboard etc.
- If the location of your new heater requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations making reference to the current edition of the IEE Wiring Regulations (BS7671).
- The heater is fitted with a 3 pin plug.
- This heater must be connected to Earth.

IMPORTANT— Always switch off at the mains and isolate circuit before any maintenance is carried out, any repairs undertaken must be by suitable qualified electrical engineer.

• You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out: these tests are specified in the Wiring Regulations (BS7671) referred to in the Building Regulations. If in doubt, consult a qualified electrician.

WARNING:

- This product must only be operated in an upright position.
- Always ensure that the heater is mounted on a flat surface with a minimum clearance area of 70cm all around, and ensuring that the heater is not positioned close to flammable materials, such as curtains, drapes etc as this could create a fire hazard.
- The heater must be mounted vertically with the thermostat on the right hand side.
- **CAUTION:** The front of the heater becomes extremely hot during operation for extended periods.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Extreme caution is necessary when any heater is used where children or elderly persons are present or whenever the heater is left operating unattended.
- In order to avoid overheating when in use do not cover or obstruct the grille or the air intake openings.
- Do not insert any objects into the heater.
- Keep the cable away from the body of the heater when in use.
- Do not use the heater in any areas where petrol, paint or other flammable liquids or flammable fumes may be present e.g. garages or workshops.
- Do not install this heater in the immediate surroundings of a bath, shower, and swimming pool or where water is present.
- The product is for indoor domestic/office use only.
- The heater must not be located below an electrical outlet.
- Do not operate the heater with a damaged cord/plug or if heater malfunctions.
- If the supply cord is damaged, it must be replaced by a qualified engineer.
- Avoid installation behind a door.

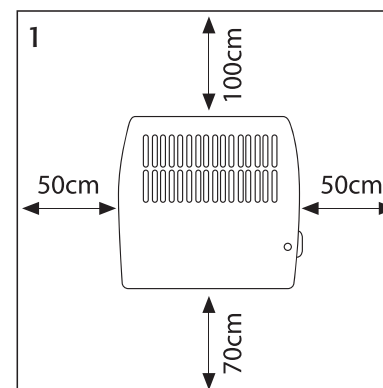
Installation:

INSTALLATION:

Do not install the heater so that the heat rays are directed on to walls or adjacent objects

Maintain a sufficient distance between the heater and walls/objects, see diagram below.

Heaters must be installed away from flammable surfaces at least 70cm above the floor level, 50cm in front/sides and 100cm above from any given surfaces as shown in fig. 1 below:



- 1) Choose the location for your new heater according to the guidelines above.
- 2) Ensure the minimum clearances are observed – see fig.1 above.
- 3) Remove the fixing bracket (fig.2) from the rear of heater by removing the small screws at either end and sliding down.



- 4) Use the bracket as a template and mark the position of fixing holes - see fig. 3 opposite.
- 5) Secure the bracket in place using fixings supplied - see fig. 4 opposite.
- 6) Slide heater down onto the bracket and secure in place using the screws.
- 7) Route cable to your mains socket and plug in.
- 8) Restore power and switch on.

THERMOSTAT OPERATION:

- 1) The thermostat switch automatically switches the frost detector on/off.
- 2) The thermostat operates within the range of +5°C to 30°C (approximately).
- 3) To set the thermostat turn fully clockwise. When the room has reached the desired temperature, turn the thermostat back until the heater switches off.
- 4) The indicator lamp will light on the front of the heater when the thermostat has energised the heating elements and will go out when the heater switches itself off.

FROST PROTECTION OPERATION:

- 1) Turn the thermostat control fully anti-clockwise. The heater will operate when the ambient temperature falls below 5°C (approximately).

PROTECTION AGAINST OVERHEATING:

- 1) The thermal cut-out will turn off the heater if it overheats. This thermal cutout can be reset by turning off the power to the heater and leaving to cool for approximately 15minutes.
- 2) If the thermal cut-out continues to trip, check that the flow of air through the heater is not obstructed.

