



INSTRUCTIONS FOR:-
PEW HEATERS
BLC Series

Thank you for purchasing a BN Thermic product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance. Please ensure instructions remain with your customer for their reference.



REGISTER: PLEASE REGISTER THIS PRODUCT ONLINE TO ACTIVATE YOUR GUARANTEE AT
www.bnthermic.co.uk



IMPORTANT: PLEASE READ THESE INSTRUCTIONS, NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

1.1 ELECTRICAL SAFETY

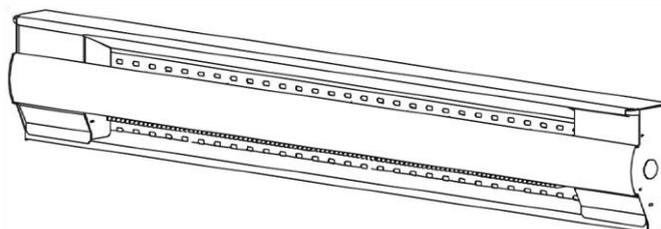
- WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:
 - You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. If in any doubt consult a qualified electrician. You must also read and understand the following instructions concerning electrical safety.
- 1.1.1 The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- 1.1.2 Ensure that the insulation of all the cables on the appliance is safe before connecting it to the power supply.
- 1.1.3 Ensure that the cables are always protected against short circuit and overload.
- 1.1.4 Regularly inspect the power supply cables and plugs etc. for wear or damage and check all connections to ensure that none are loose.
- 1.1.5 Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that a correctly rated fuse is fitted.
- 1.1.6 Installation should always be carried out by a qualified electrician in accordance with current electrical regulation, protected by a suitably rated isolator and fuse or mcb.
- 1.1.7 DO NOT use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician.
- 1.1.8 Use of an extension cord with this product is not recommended.

1.2 GENERAL SAFETY INSTRUCTIONS

- ✓ When heaters are installed in public areas use of BLC-EX guards is strongly recommended. These guards should be securely fixed and installed in such a way as to prevent the possibility of fingers touching the heating element.
- ✓ Remove all packaging and store it away from children, check the package and heater for visible damage or tampering.
- ✓ Familiarise yourself with the applications and limitations of the heater.
- ✓ Ensure the heater is in good order and condition both physically and electrically before use. If in any doubt do not use the unit and contact an electrician.
- ✓ Only use recommended attachments and parts. To use unauthorised parts may be dangerous and will invalidate your warranty.
- ✓ Disconnect from mains and allow to cool before attempting any cleaning.
- X **DO NOT** use in hazardous areas.
- X **DO NOT** cover the heater or restrict free circulation of air around it.
- X **DO NOT** subject the heater to exposure to water.
- X **DO NOT** locate the heater below the power outlet.
- X **DO NOT** install this heater against combustible low-density fibre board surfaces.
- X **DO NOT** disassemble the heater for any reason. This heater must be checked by qualified personnel only.
- X **DO NOT** use this heater to perform a task for which it has not been designed.
- X **DO NOT** use this heater outdoors.
- WARNING!** This heater is not equipped with a device to control the room temperature. Do not use this heater in a small room if it is occupied by people not capable of leaving the room on their own, unless constant supervision is provided.
- WARNING!** Ensure there is no possibility of inflammable materials coming into contact with the heater.

2. INTRODUCTION & SPECIFICATION

This heater produces a totally dry heat, no condensation, no gas, no fumes and no smell. It reaches maximum heat output within a few minutes of being turned on. The heater is designed to be mounted at floor level. Typical application is Pew Heating in Churches although they can also be very effective if used for room or office heating.



Model	BLC-300B	BLC-500B	BLC-750B
Power	300W	500W	750W
Input supply	230V 50Hz 1.3A	230V 50Hz 2.2A	230V 50Hz 3.3A
Dimensions (W x H x D)	566 x 148 x 62mm	691 x 148 x 62mm	945 x 148 x 62mm
Safety Guard Product Code	BLC-EXG6	BLC-EXG7	BLC-EXG10
Floor Bracket Product Code (Pair)	BLC-FB	BLC-FB	BLC-FB
Hanging Brackets Product Code (Pair)	BLC-HB	BLC-HB	BLC-HB

3. MOUNTING / INSTALLATION

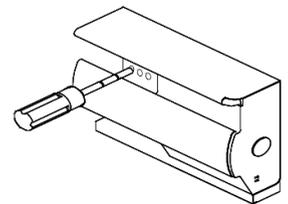
- ❑ **IMPORTANT!** Ensure that the mounting surface is capable of supporting the weight of the heater.
- ❑ **IMPORTANT!** The heater should only be mounted horizontally.

3.1 ELECTRICAL CONNECTION

- ❑ **IMPORTANT!** Ensure you have read the Safety instructions and you are a suitably qualified electrician before continuing.
 - ❑ **IMPORTANT!** The voltage marked on the heater must correspond to the supply voltage.
 - ❑ **IMPORTANT!** To comply with the I.E.E. Wiring Regulations, the appliance must be earthed; the supply circuit must be adequate for the input of the appliance, and the circuit protected by a suitable fuse. If the heater is to be connected to a fixed electricity supply, a suitable termination must be provided adjacent to the final position of the appliance. In this instance, such a termination must be a double pole switch with a contact separation of at least 3mm in all poles.
- 3.1.1 The terminal connection block is located under the cover on the right hand end of the heater. To access this cover unclip the semi-circular cover that runs the length of the heater
- 3.1.2 A full length wire way is provided for use if you wish to have the cable entering from the left hand end.
- 3.1.3 Connect the Earth wire normally GREEN/YELLOW to the earth terminal having the symbol - .
Connect the Live wire normally BROWN to the live terminal 'L'.
Connect the Neutral wire normally BLUE neutral wire to the neutral terminal 'N'.
- 3.1.4 After wiring, check that there are no bare wires, that all wires have been correctly connected and then replace electrical cover ensuring screws are correctly tightened. Now replace the semi-circular cover.

3.2 PEW MOUNTING.

- 3.2.1 The Heater must be mounted horizontally using 4 screws.
- 3.2.2 Before drilling any holes ensure there are no wires or pipes in the area you are fixing the heater.
- 3.2.3 After tightening the 4 screws loosen each by one half a turn to allow for expansion of the metal case.
- 3.2.4 If mounting on church pews unless you use optional brackets they should be mounted on the back board under the seat in as low a position as possible and with the air inlet and outlet pointing forwards.



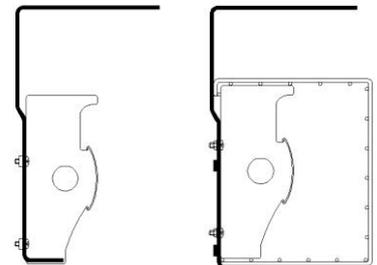
3.3 FLOOR MOUNTING (using BLC-FB brackets)

- 3.3.1 Screw the brackets to the floor ensuring that they have been set at the correct pitch to line up with the mounting holes in the back of the heater.
- 3.3.2 **Without Guard** – Using the screws supplied attach the heater to the bracket set level and secure in place.
- 3.3.3 **With Guard** – Loosely attach heater to brackets. Locate guard over the top of the heater, then slide bottom of guard under heater. Making sure bottom of the guard is against the back of the bracket, gently push heater down and then tighten screws holding heater to bracket.
- 3.3.4 After tightening the 4 screws loosen each by one half of a turn to allow for expansion of the metal case and guard if used.



3.4 HANG MOUNTING (using BLC-HB brackets)

- 3.4.1 Screw the brackets to underneath of the Pew ensuring that they have been set at the correct pitch to line up with the mounting holes in the back of the heater.
- 3.4.2 **Without Guard** – Using the screws supplied, screw the heater to the brackets. The screws should be tightened into the clench nuts in the bracket and not put through the slots. Dispose of the nuts as these are not required.
- 3.4.3 **With Guard** – Loosely attach heater to bracket through the slots using the screws and nuts supplied. Locate guard over the top of the heater, then slide bottom of guard between bottom of the heater and the bracket. Making sure bottom of the guard is against the back of the bracket, gently push heater down and then tighten screws holding heater to the bracket.
- 3.4.4 After tightening the 4 screws loosen each by one half of a turn to allow for expansion of the metal case and guard if used.



4. OPERATION

When energised the heater will provide its maximum output. Should the unit register an abnormal rise in temperature anywhere along the element the over temperature safety device will shut the heater down. In these circumstances isolate the heater and ensure that there is no obstruction to the air inlet or outlet. If the over temperature safety device operates repeatedly isolate the heater and consult a qualified electrician.

5. MAINTENANCE

BN Thermic Electric Heaters are factory assembled, tested and are non-user serviceable. They are designed to operate for many years, problem free. Maintenance is limited to the keeping of both inlet and exhaust areas free from any accumulation of dust and other foreign materials. This is especially important immediately before a heating season. Any dust build-up can be loosened with a brush and a vacuum cleaner applied to the airways to ensure complete removal of dust materials. An unusual odour may be noted on the initial turn-on period as any dust particles may have been disturbed and will be burnt off from the element. Note: Before examining or carrying out any maintenance ensure the heater has cooled down and is disconnected from the mains supply.



This product conforms to EU Directive 2002/96/EC.

This appliance bears the symbol of the crossed waste bin. This indicates that, at the end of its useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment. It is the user's responsibility to dispose of this appliance through the appropriate channels. Failure to do so may incur penalties established by laws governing waste disposal.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Your BN Thermic product is guaranteed for one year from date of purchase. We will repair or replace at our discretion any part found to be defective. We cannot assume any consequential liability. This guarantee in no way prejudices your rights under common law and is offered as an addition to consumer liability rights.

REGISTER: Activate your warranty by registering online at www.bnthermic.co.uk and retain this installation data for future reference.

BN Thermic Ltd,
34 Stephenson Way, Three Bridges,
Crawley, RH10 1TN
Tel: +44 (0) 1293 547361
Email: sales@bnthermic.co.uk
Web: www.bnthermic.co.uk