



INSTRUCTIONS FOR: INFRARED HEATERS

MODEL NO'S: **IWMH1500, IWMH3000, IWMH4500**

Thank you for purchasing a Sealey 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.

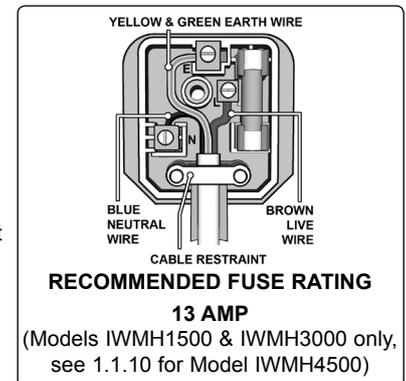


IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS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

1. SAFETY

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. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. You must also read and understand the following instructions concerning electrical safety.
- 1.1.1. The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. 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.
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1 and 1.1.2 and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none are loose.
- 1.1.6. Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely. Fit a new plug according to the following instructions (UK only).
 - a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
 - b) Connect the BROWN live wire to the live terminal 'L'.
 - c) Connect the BLUE neutral wire to the neutral terminal 'N'.
 - d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight. Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.
- 1.1.10. Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.



1.2. GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application and limitations of the heater.
- ✓ Ensure the heater is in good order and condition before use. If in any doubt do not use the unit and contact an electrician.
- ✓ Only use recommended attachments and parts. To use unapproved items may be dangerous and will invalidate your warranty.
- ✓ Check that element guards are in place, undamaged and firmly attached.
- x **DO NOT** get the heater wet or use in damp or wet locations or areas where there is condensation.
- ✓ Keep tools and other items away from the heater when it is in use.
- ✓ Keep the work area clean and clear of unnecessary items.
- ✓ Keep children and unauthorised persons away from the heater, as it gets **very hot**.
- ✓ Disconnect from mains before moving or attempting any cleaning or maintenance.
- x **DO NOT** locate the heater below the power outlet.
- x **DO NOT** move the heater whilst in operation or even when still warm.
- x **DO NOT** touch the heater elements, even when cold.
- x **DO NOT** dis-assemble the heater for any reason. The heater must be checked by qualified personnel only.
- x **DO NOT** use the heater for a task for which it is not designed.
- WARNING! If a fuse blows, ensure it is replaced with an identical fuse type and rating.**
- ✓ When not in use, store the heater carefully in a safe, dry, child proof location.
- WARNING! The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.**

2. INTRODUCTION

Electric heaters with infrared quartz lamps. Suitable for indoor wall or overhead mounting. Reach maximum heat output within seconds of being turned on. Supplied with one metre power cable (not IWMH4500) and mounting brackets. A totally dry heat with no condensation, no gas, no fumes, so no smell. Ideal for workshops, warehouses, garages.



3. SPECIFICATION

Model No:	IWMH1500	IWMH3000	IWMH4500
Power:	1500W	3000W	4500W
Supply:	230V - 6.3A	230V - 12.5A	230V - 18.8A
Dimensions (H x W x D):	185 x 405 x 75mm	340 x 405 x 75mm	495 x 405 x 75mm
Mounting Bracket Stand-off:	265mm	265mm	265mm
Min. Mounting Height:	2.2mtr	2.2mtr	3.0mtr

4. ASSEMBLY

- 4.1. **ASSEMBLY.** Minimal assembly is required for the heater, simply screw the swivel mount to the rear of the heater using the spring washers and the PZ.2 screws, ensure the screws are tight as they will support the weight of the unit.
- 4.2. **WALL MOUNTING (IMPORTANT!)** The following points should be noted): The heater should always have a minimum clearance of 450mm from a ceiling. The heater should be at least 30-40° away from a vertical position, whether it is mounted on a wall or ceiling. Ensure that mounting surface is capable of supporting the weight of the heater.
- 4.2.1. Fix the metal bracket to a wall or ceiling by means of appropriate fixing materials (not supplied).
- 4.2.2. Connect heater body to metal bracket using the screws supplied.
- 4.2.3. Adjust angle of heater to direct heat beam where required.
- 4.2.4. Tighten nuts to secure position.

MODEL	WALL MOUNTING HEIGHT (M)			SAFETY DISTANCE FROM HEATER (M)
	MINIMUM	RECOMMENDED	MAXIMUM	MINIMUM
IWMH1500	2.2	2.5	3.0	1.0
IWMH3000	2.2	2.5	3.5	1.5
IWMH4500	3.0	3.5	4.5	1.5

5. OPERATION

Note: The IR lamp is fragile and therefore it is important that the unit is not subjected to any unnecessary shocks or vibration and is not moved when the lamp(s) are on.

WARNING! Ensure you have read, understood and applied the safety instructions in Section 1 before using the heater.

5.1. Position the heater at least 1m from any object.

Note: There is no power switch present on the lamp itself, it is turned on and off at the socket / power supply. Therefore, ensure setup is complete and that the heater is suitably positioned BEFORE plugging in.

5.2. Plug in the heater.

5.3. When the heater is no longer required, switch off supply.

5.4. Allow heater to cool after use before attempting any maintenance or relocation.

WARNING! DO NOT touch the heater when in use as it becomes extremely hot.

6. MAINTENANCE

Note: The IR element is fragile and therefore it is important that the unit is not subjected to any unnecessary shocks or vibration.

WARNING! Ensure you have read, understood and applied the safety instructions in Section 1 before replacing elements.

6.1. FITTING A NEW ELEMENT (ALL MODELS)

Note: When changing elements use a soft cloth to avoid touching the glass with bare hands. Do not use excessive force when pulling elements free from their clips as this may cause the element to fracture.

6.2. Remove the end plates from the heater by undoing the retaining screws. The grille is held in place by the end plates and should come free when the end plates are removed.

6.3. Note that elements on all models have a wire attached at either end which must be disconnected from an adjacent terminal block before the element can be released from its clips.

6.4. Where more than one element has failed it is recommended that the elements are replaced one at a time to avoid confusion over which terminals should be used.

6.5. To renew a failed element trace the wires at either end back to the adjacent terminal block. Loosen the relevant screw and pull out the forked connector at the end of each wire making a note of which terminal is in use. Pull the old element upwards out of its clips.

6.6. Immediately install the new element into the clips with the attached wires facing downwards. Insert the forked connector at the end of each wire into the correct terminal and tighten the screw. Arrange excess wire loops neatly within the casing.

6.7. Place one end plate into position on one side of the heater. Lay the grille onto the face of the heater and slide it into the holes in the end plate. Place the other end plate onto the other side of the heater and lift the grille slightly to allow it to slide into the end plate. Replace the fixing screws into each end plate. (NOTE: For the IWMH1500 slide the grille into place first so that it is retained under the top and bottom edges of the main body and the top edges of the reflector.)

Environmental Protection



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.

When the product becomes completely unserviceable and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.



WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR



01284 757500



www.sealey.co.uk



01284 703534



sales@sealey.co.uk