

ARLEC**3 IN 1 HEAT LAMP
& EXHAUST FAN E522****INSTRUCTION MANUAL****IMPORTANT: Please read these instructions carefully before use.**

Due to continuous research and development the specifications herein are subject to change without notice.

Safety Instructions

WARNING: To reduce the risk of personal injury or damage to property, follow basic safety precautions when using this product, including the following:

- 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
- Children should be supervised to ensure that they don't play with the appliance
- Do not look directly at heat lamps when they are operating.
- Do not operate the unit without the outer surround being in place.
- Do not install in a location where there is a possibility of water splashing onto the lamps.
- Do not install directly above bath or shower recesses or enclosures.
- Do not install the control switch in a location that is accessible by a person in the bath or shower.
- Do not operate any product which appears damaged in any manner or after product malfunctions, has been dropped or damaged. Consult a qualified technician to check the product before further use.
- Do not operate this product in the presence of explosive / flammable liquid or fumes such as where aerosol (spray) products are being used or where oxygen is being administered.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the appliance.
- Switch off from power supply when cleaning. Allow all parts to cool thoroughly before disassembling / assembling parts or replacing lamps.
- Do not use the product for other than its intended use as described in these instructions. This product is intended for domestic household use only. The use of accessories, attachments or lamps other than those recommended by the manufacturer may cause safety hazards.

NOTE: Electrical fittings must be installed by a licensed electrician or other persons authorised by legislation to work on fixed wiring of an electrical installation.

Specifications**Wattage:**

Heat Lamps Hard Glass Infra red ES type 2 x 275W 240Vac
Incandescent Lamp 60W max R63 reflector type ES globe

Airflow:

Output 181m³/hour

Dimensions:

From cavity floor (excluding fascia grille):
Height-170mm
Main body-340mm x 180mm
Outer flange-375mm x 220mm

Standard Accessories:

- 1 x Three gang wall switch
- 2 x Infra red Heat Lamps 275W
- 1 x Incandescent Lamp 60W
- 1x 1.5m Expandable duct piping
- 2 x 400mm Plastic ties (to hold duct in place)
- 1 x Duct outlet
- 8 x 30mm Cross recess, binding head, ZP self tapping screws

Introduction

Read these instructions carefully before installing & using the product. Keep the instructions handy for future reference.

IMPORTANT: Always operate the E522 from a power source of the same voltage, frequency and rating as indicated on the product identification plate.

The two infra-red lamps heat by direct radiation rather than heating the air in the room so the heat lamp & fan should be located directly over where drying off occurs.

Locate and install the product in accordance with the requirements of AS/NZS 3000 and local building codes. This appliance must be installed by a licensed electrician.

IMPORTANT: Do not install in a location where there is a possibility of water splashing onto the lamps. Do not install directly above bath or shower recesses or enclosures.

Electrical Requirements

This product is designed for wired-in installation and wiring and installation must be carried out by a licensed electrician in accordance with AS/NZS 3000.

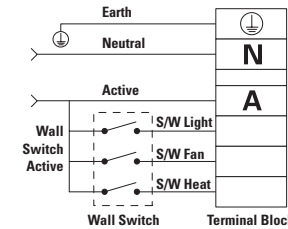
Wiring Diagram

Fig. 01

IMPORTANT:

Do not use this heat lamp & fan with any solid state control.

Fixed wiring insulation must be of a minimum V-90 temperature rating.

Ventilation Requirements

For maximum efficiency and fan performance please note these key points when installing the heat lamp:

Sufficient air inlet into room

Steam will only be removed if there is sufficient flow of air through the room. Ensure generous inlets exist through windows vents or under the door. Air flow path from inlet to fan should ideally pass over the steam sources. (Fig.02).

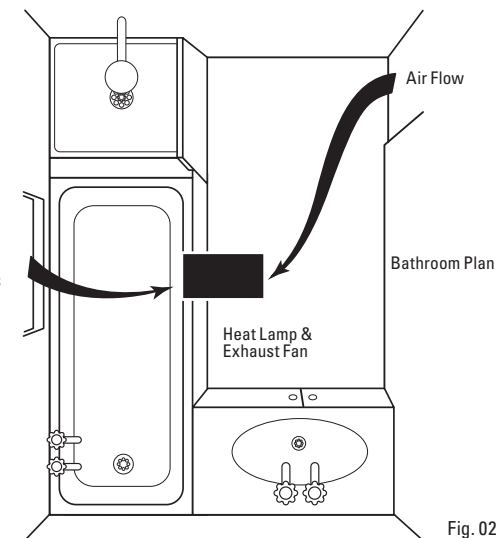


Fig. 02

Adequate ventilation in roof cavity

It is essential that there is adequate space within the roof cavity so the exhaust air from the heat lamp & fan can dissipate. The roof cavity itself should be well ventilated to the outside so the moist air can be removed.

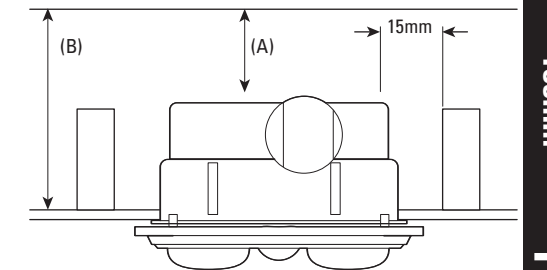
Where ventilation space is restricted, such as between floors of multi-story building, or where space within the roof cavity is severely restricted, install the supplied flue duct and vent to an outside area.

Clearances around the product

A minimum clearance of 75mm is required above the top of the product (dim. A) when installed in a well ventilated roof cavity. When ventilation is restricted, this clearance should be increased to a minimum of 100mm. A minimum space of 235mm is required in the ceiling space (dim. B) where there is good ventilation to the sides of the unit. (Fig.03).

Side Elevation

A minimum of 15mm required on two vertical sides



Heat Lamp & Exhaust Fan

Fig. 03

Additionally, a minimum of 15mm clearance is required between the two vertical sides of the heat lamp & fan and any adjoining parts of the roof structure, such as walls, joists or insulation batts.

Do not allow insulation material to rest against the sides or the top of the heat lamp & fan when it is installed.

Installation Instructions

This product must be mounted with the lowest point at least 2 metres above the floor, with a minimum distance of 400mm from any vertical wall surface.

The product must be supported on a minimum of two alternate sides and can be installed against a joist using three screws through holes located in the flange provided that clearances for two vertical sides are maintained with a 15mm minimum clearance.

345mm

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345mm

If adequate support is not available for the heat lamp & fan, it may be necessary to provide extra supports.

If installing in restricted roof space using the supplied flue duct, make sure the product is located within 1.5m of an outside, well ventilated area, with free access to route the duct to the product.

IMPORTANT: To avoid back flow of gases into the room, site the external end of the duct well away from open flues of gas or open fire appliances.

Installation

1. After determining the location of the product, mark out and cut a 345mm x 185mm aperture in the ceiling using these instructions as a template. In positioning the product, make sure no structural or load bearing materials are removed or altered in any way.

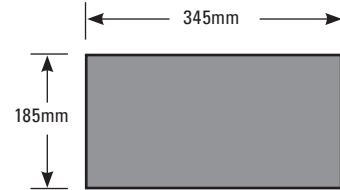
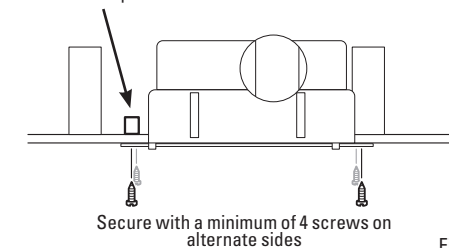


Fig. 05

2. Remove all lamps from the product. Remove the lamp surround by releasing four springs (one in each corner) through the lamp openings.
3. Push the product into the ceiling aperture, ensuring the fan outlet is facing an unrestricted area.
4. Secure using a minimum of 4 screws through the flange of the product on two alternate sides into solid fixing material. (Fig. 06).

Heat Lamp & Exhaust Fan - Side Elevation

Additional fixing material if required



Secure with a minimum of 4 screws on alternate sides

Fig. 06

NOTE: When installing in a restricted roof space, Arlec suggest fitting of the supplied flue duct to the fan outlet and electrical connections prior to inserting into the ceiling aperture.

Wiring

1. A three gang switch is supplied with the unit. This switch must be used in order to provide proper connection to the power supply.
2. Connect the wiring to the three switches and terminal block as marked, refer to the wiring diagram in Fig.01.

Final Assembly

1. Insert the incandescent lamp and the infra red heat lamps into the sockets and screw well in, ensuring a good electrical contact for correct operation.

Note: A clearance should exist between the ceiling and the surround.

3. Connect power and check for correct operation of the heat lamps, centre lamp and fan.

Operation & Use

The unit may be used as a light, fan, twin heat lamps or any combination thereof, simply by switching on the desired function switch as identified on the 3 gang switch wallplate.

Switch off all functions when finished.

When running the heat lamps and in steamy atmospheres it is recommended that the fan is kept running also.

Care and Cleaning:

Dust and grime will build up on the unit and should be regularly removed.

1. Ensure the unit is switched off at the 3 gang wall switch and allow lamps to cool.
2. Using a wrung out dampened cloth, wipe the fascia and globe faces.
3. Dry off using a soft dry cloth. Avoid the use of harsh detergents, scouring pads, solvents, polishes, abrasive or aerosol cleaners, as they may damage surfaces on the product.

Replacement Lamps:

Ensure power is switched off and allow lamps to cool completely before replacing lamps.

Heat Lamps - Hard Glass Infra red ES type 2 x 275W 240Vac

Lamp - 60W max. R63 reflector type ES globe

Warranty

Arlec guarantees this product in accordance with the Australian Consumer Law.

Arlec also warrants to the original first purchaser of this product ("you") from a retailer that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used or installed other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has been properly installed by a licensed electrician or contractor who is licensed to install electrical products in the place in which the product was installed and in accordance with Arlec's installation instructions, has been maintained in accordance with the recommendations specified by Arlec, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for, or installed in premises which are used for, commercial purposes ("Warranty").

If you wish to claim on the Warranty, you must, at your own expense, return the product or that part of the product which you believe is defective in materials and workmanship, and provide proof of original purchase, your name, address and telephone number and a certificate of installation or other document required by law for the installation of electrical products in the place in which the product was installed issued by the licensed electrician or contractor who installed the product, to Arlec at the address below within 12 months from the date of purchase. Please note that the Warranty does not cover removal or re-installation of the product or that part of the product which you believe is defective.

Arlec will assess any claim you may make on the Warranty in the above manner and if, in Arlec's reasonable opinion, the Warranty applies, Arlec will at its own option and

expense replace the product (or part of the product) with the same or similar product (or part of the product) or repair the product (or part of the product) and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty.

The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

ARLEC

Arlec Australia Pty. Ltd. (ACN 009 322 105)

("Arlec") gives the Warranty.

Building 3, 31 – 41 Joseph Street, Blackburn North, Victoria, 3130
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