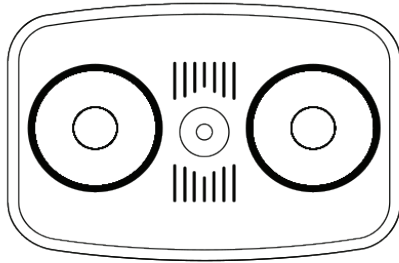


Instant Heat 2 Ducted Instruction Manual

Cat. No. R622D1



1 Specifications

Cat. No.	R622D1
Supply Voltage	230-240V a.c. 50Hz
Power Rating	630W max
Protection Class	Class I
Maximum Airflow Rate	93m ³ /hr (3m duct)
Ducting size	Ø100mm
Projection into ceiling	195mm
Required Ceiling depth	220mm min
Ceiling Cut-out size	330 x 170 mm
Protrusion from ceiling	80mm

Read through these instructions completely before commencing installation.
Retain for future use.

2 Installation

The infrared lamps heat by direct radiation rather than by heating the air in the room. So the Instant Heat 2 ducted should be located directly over the drying area. HPM Instant Heat 2 ducted must not be installed where there is a possibility of water splashing on to the lamps. Locate in accordance with the requirements of Wiring Rules AS/NZS 3000 relating to damp situations. This means that no part of the Instant Heat 2 may be located directly above any part of the bath or shower recess or enclosure. For unenclosed showers refer to Wiring Rules conditions.

Note: Steam will only be removed if there is sufficient flow of air through the room. Ensure adequate inlets exist through windows, vents or under the door. Air-flow path from inlets to fan should ideally pass over the steam sources. See over – 'Getting the most from your Instant Heat 2 Ducted'. Regulations concerning the discharge of air have to be fulfilled. The Instant Heat has a free air discharge of 93m³/hr and care should be taken that air flow throughout meets specific requirements in building regulations. Local building codes may require venting to the outside. Ducting can be fitted and vented to the outside using exterior grille provided as shown in Fig.1 and Fig.2. Vertical ducting with roof vents will result in reduced fan performance, increased noise and condensation/dripping.

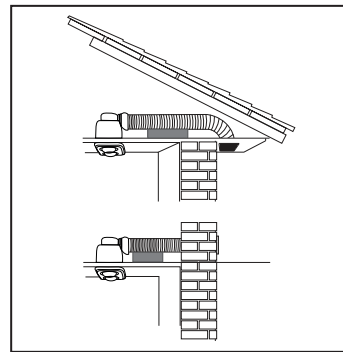


Fig.1

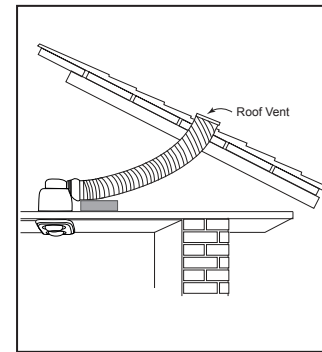


Fig.2

3 Location

The Instant Heat is for ceiling mounting only, with the lowest point to be at least 2.2 metres above floor level. It is not intended to be installed in wardrobes or within 300mm of sides of walls, as per Figure 3. There is a danger of combustion if placed too close to curtains or other flammable materials.

Additional Instant Heats may only be installed if at least 1.2m clearance between them is observed.

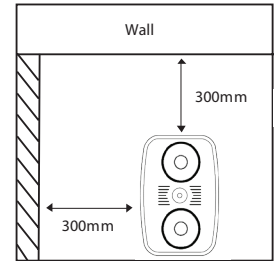


Fig.3

4 Ceiling preparation

Instant Heat 2 may be installed in the ceiling cavity between joists using the built-in clip fasteners. Correct installation requires the cavity to have a minimum height of 220mm for safe operation. The clearances between Instant Heat and surrounding joists and above ceiling shown in Fig.4 and Fig.5 shall be observed. Thermal insulation or similar material shall not be placed on top of the Instant Heat, and adjacent material to the side shall be kept clear to a minimum distance of 300mm. Joists, beams and rafters shall not be cut or notched to install the Instant Heat.

After determining the location of the Instant Heat 2 Ducted use the template to mark out and cut an opening 330mm x 170mm. If adequate support is not available for the instant heat, it may be necessary to provide extra strengthening.

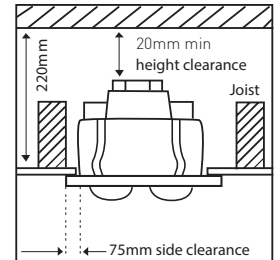


Fig.4

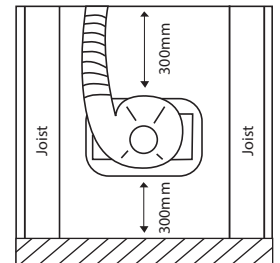


Fig.5 Thermal Insulation

5 Fixing to ceiling

Remove all lamps. Check the fan for freedom of rotation. Push the Instant Heat 2 Ducted body into the opening allowing the springs to snap open. To secure, push the lower ends of the springs apart (Fig.6).

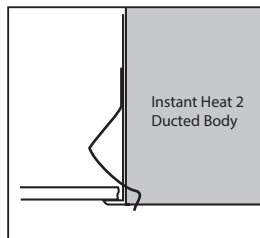


Fig.6

6 Final assembly

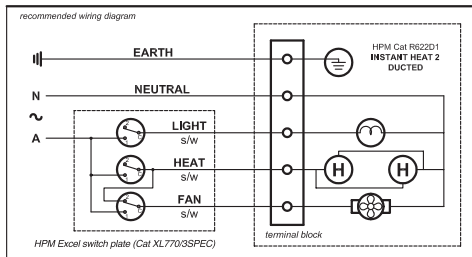
Check that the power to the unit is off. Position the lamp cover on the unit with four springs inside. Insert the three lamps into the sockets, tightening well to ensure good electrical contact and long life. Wipe the surround and the bulbs clean. Connect the power and check all functions.

7 Wiring

Three switches on an Excel wall plate are supplied. Snap the switches into the plate.

Do not use with any solid state speed control. Wall plate should be located so that the switches are not within reach of a person in a bath or shower. Wiring connection is as per Fig.7.

This product must be installed by a licensed electrical contractor or similarly qualified person. For information on switch locations, refer to Wiring Rules AS/NZS 3000



8 Cleaning

Isolate the Instant Heat from the 240V supply. Ensure the lamps are cool to touch before handling. Wipe lamps and fascia with care using soft cloth with a neutral detergent.

9 Replacement Parts

Heat Lamp: L275HLES or 275W max
Light Lamp: MXMUSHR60F or 60W max
Switch Wall Plate: XL770/3SPEC

Replacement of any lamp other than that specified above may cause damage to the product and void the warranty.

10 Getting the most from your Instant Heat 2 Ducted

Heat Lamps: The HPM Instant Heat lamps have no warm-up period because the infrared lamps provide instantaneous heat, and are designed to heat you and not the bathroom – that's the efficient way infrared heat works. To get the full benefit of Instant Heat's infrared warmth, stand directly under the heat lamps. HPM's clear heat lamps have been designed specifically for this application, and concentrate their heat for maximum effectiveness.

WARNING: Do not look directly into bulbs when in use.

Make sure you have the Instant Heat model that suits your bathroom ceiling height. The Instant Heat 2 Ducted is manufactured to offer peak performance with bathroom ceiling heights up to 2.4m (8ft). *N.B. The Instant Heat 2 is not a tanning lamp.*

Ventilation: To ensure optimum performance of the ducted exhaust fan, it is essential that you provide a generous air flow into your bathroom to help Instant Heat's powerful and efficient exhaust fan to quickly suck out steam while you shower. Your Instant Heat 2 Ducted works by drawing steam-laden air from the room and as with all exhaust fans it is essential that sufficient air inlets are provided. Ensure adequate inlets exist through windows, vents or under the door. The air flow path from inlet to fan should ideally pass over the steam source.

Centre light: The centre 60 watt light in this Instant Heat model is designed to provide general illumination in your bathroom. For specific tasks like shaving or putting on make up, you may need extra lighting to suit individual needs. The heat lamps can also be used to provide additional bright illumination for your bathroom. Lighter coloured walls and décor also help brighten your bathroom by reflecting more light.

Product Notes

1. This product must be installed and used as per these instructions.
2. A switch disconnection must be incorporated in the fixed wiring in accordance with the Wiring Rules.
3. This product 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 do not play with the appliance.
4. This product is intended for household use and similar purposes. It is not suitable for use in and environment heavily laden with dust. Under these conditions the life of the fan motor can be significantly reduced.
5. **WARNING:** The Instant Heat is not equipped with a thermostat to control the room temperature. Do not use the Instant Heat in small rooms when they are occupied by persons not capable of leaving the room on their own unless constant supervision is provided.
6. This product should not be enclosed in thermal insulation as it may cause the unit to overheat.
7. This product has been designed to operate in ambient temperatures 0°C to 40°C.
8. This product contains no serviceable parts and no attempt should be made to repair it. If the product is faulty it should be discarded.
9. Airflows listed in this product indicate the product performance. Refer to the BCA (Building Code of Australia), or similar, for the appropriate airflow required for a particular installation.
10. Ventilation products must have an adequate source of external air to ensure correct performance.
11. Exhaust fans may adversely affect the safe operation of appliances burning gas or other fuels (including those from other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of an exhaust fan such as a partition fan, the operation of flued gas appliance should be tested by a competent person to ensure that back flow of combustion gases does not occur.
12. This product has been designed for domestic or similar uses and is not suitable for a commercial installation.
13. This product is not suitable for installation in hazardous and/or corrosive areas.
14. Extended exposure to UV rays (such as exposure to direct sunlight) may cause discolouration of this product.
15. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.
16. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Legrand in all cases.
17. Legrand reserves the right to modify the specification of this product at anytime.

Warranty

Legrand will honour all statutory guarantees that you as a consumer are entitled to rely upon under the Australian and New Zealand Consumer Laws against a manufacturer, including a guarantee that this product is of acceptable quality.

To make a claim under any statutory guarantee you should first contact the supplier, or retailer from whom you purchased this product.

Customer Service

For all Customer Service and Technical Support please call Monday to Friday during business hours.

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