



3 IN 1 BATHROOM HEATER LIGHT HEATER, EXHAUST FAN AND LIGHT



Thank you for selecting Heller LED 3 IN 1 bathroom heater.
Please read all the instructions before commencing installation.
READ AND SAVE THESE INSTRUCTIONS

IMPORTANT: HELLER bathroom heater light must be installed to comply with the appropriate council regulations and Australian and New Zealand wiring rules AS/NZS 3000:2000 or latest edition thereof.
A Licensed Electrician is required to connect this unit to the mains supply.
The mains supply and interconnecting cables required for installation of this appliances are not included, suitable cabling no lighter than ordinary duty cable rated at a minimum 10 Ampere load rating is to be used when installing / wiring the appliance.

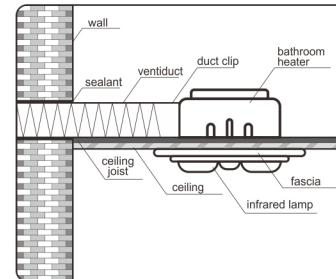
WARNING

1. Use this heater only as described in this manual. Any other use not recommended by the manufacturer many cause fire, electric shock, or injury to persons. If you have questions, please contact the manufacturer or the local agent.
2. All wiring must be carried out by a licensed electrician in accordance with all applicable National / local codes and standards. Also check with the local council regulations. Regarding installation of exhaust fans.
3. Make sure the power is off before the installation.
4. When cutting into the wall, do not damage electrical wiring and other hidden utilities.
5. The heater must be properly grounded
6. The globes are hot when in use. Do not touch the infrared globes with any part of your body when in use. Allow all the globes to cool sufficiently before touching or replacement.
7. For the purpose of avoiding any dangerous gas leaking into your bathroom, the ventiduct of the heater must not be laid together with the ventiduct of air-fuelled water heater or other open-fire appliances into the same flue.
8. The heater must be isolated from power by means of a plug or all-pole disconnection switch with a contact separation of at least 3mm in each pole.
9. The power cable must stand a minimum 10 A load.
10. This appliance is not intended for us by persons (including children) with reduce physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

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IMPORTANT CONSIDERATIONS BEFORE INSTALLING

- A few minutes planning can make a big difference to the installation time and also to your satisfaction with the function of the unit.
1. The unit should not be installed directly above shower or bathtub. The unit must not installed in a passion where water splash onto the globes.
 2. The controls must not installed in a position accessible to a person in a bath, spa or shower
 3. The heater must not installed beneath a fixed socket.
 4. This product is designed for installation in flat ceilings only. Don't mount it on a sloping ceiling or a vertical wall.
 5. The infrared globes are most effective when you are standing directly beneath them, so generally the unit would be mounted above a place where you would stand to dry yourself.
 6. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. In general, this air would be drawn under the door, or through a slightly open window. If the room is airtight, the fan will function poorly.
 7. Before commencing any cutting, check in the ceiling space that there no obstructions such as ceiling joists and that there is sufficient height clearance for the housing. Check that the electrical wiring and be routed from the wall switches to the mounting location.



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INSTALLATION

1. Cutting a vent

For the installation, choose a suitable location in either the roof or exterior wall to vent out the exhausted air/steam and cut out a 120mm hole. Electricians please make sure that all the wires are terminated properly into the connecting block. Please make sure that there are no loose connections in the connecting block.

2.Ducting

Put one end of the 120 mm diameter ventiduct into the vent hole connect with the outdoor vent fascia, fix the fascia and seal the space around the hole from the inside of the wall using a suitable sealant and cowl where necessary.
Note: Since the length of each duct is 1.5m, make sure that from the centre of installation position there should be a distance within 1.5m to the outside vent.

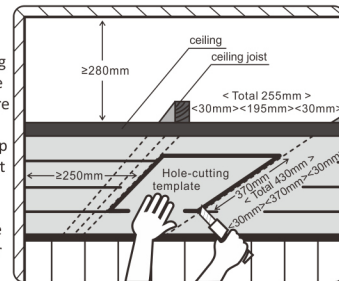
3.Locating the heater

For the purpose of obtaining best heating effect, from the globes there should be about a 2.3m overall height to ground

4.Prepare the ceiling

Mark the ceiling with a pencil outline using a 370mmx195mm template and cut a hole in the ceiling at the chosen area. Make sure a distance between the edges and wall is no less than 250mm. Also from the rooftop there should be a minimum 280mm height to the ceiling (for optimum performance, allow 500mm or more clearance).

Note: No part of the unit must cover or be covered by any ceiling insulation or similar materials.



(Cut out side should be 30mm away from each side of the ceiling joist or other obstructions)

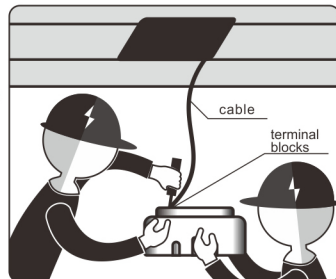
5.Remove the Fascia

Remove all globes from the heater. Move the fascia to one side a little bit to release the internal fascia retaining clips indie the housing and remove the fascia. Be careful, do not change the globes when removing, storing or replacing.

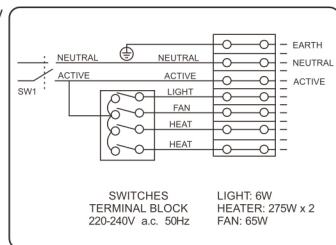
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6.Wiring

Using suitable cable/s wire the 4 gang wall mounted switch with the active line via a suitable isolating switch or power outlet, as shown below, run the cable through the wall cavity to the ceiling for connection to the bathroom heater light. Connect the wiring to the terminal block in the bathroom heater light, as per the wiring diagram below, run the neutral line to the bathroom heater unit neutral connection via the isolation switch or power outlet as used for the active line. Connect and ensure that the earth connections on the units are properly grounded.



Note: Ensure that permanent active supply is connected to the unit As per wiring diagram (Safety Feature).



7.Fitting the in-housing end

Fit the in-house end of the duct to the fan outlet and tighten locking trip.

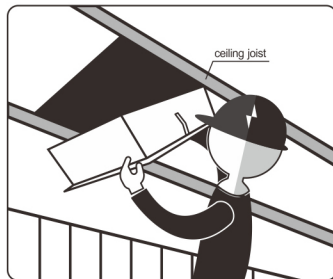
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8.Position the housing into the hole

Choose an optimal direction to the put the housing into the hole in accordance with the position of fan outlet.

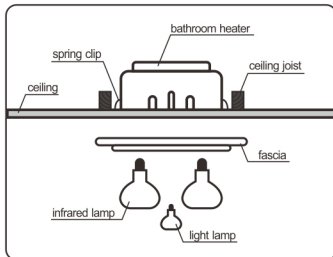
Before inserting the unit into the hole on the ceiling, put all the bar camps into body. Then push the body of the unit into the hole, duct side first. Tighten the screws clockwise. Ensure the unit is held securely by the bar clamp.

Note: Keep the redundant wire away from the housing.



9.Final installation

- Replace the Fascia
 - Replace the globes are tightened sufficiently to make good electrical contact. Clean the globes and fascia.
- Fix the switch panel to the wall depending upon the location and type of materials the switch is to be fitted to, a switch bracket (not supplied), may or may not be required. Fit the switch to the wall and replace the fascia plate.



Note : The switch wiring should routed inside the wall to give the switch an integrated built in appearance. If it is necessary to run the wiring on the outside of the wall, please use a suitable conduit and fixings to properly locate and hold the wiring used.

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USE

Heller bathroom heater uses the infrared heating globes as a source of heat. It also combines the functions of exhaust and light.

Note: The heater is not intended to heat the room as the infrared action is to heat the body not the air. Heater is NOT suitable for constant use and should be **switch off after approximate recommended 30 mins of use.**

1.Heat

Turn On/Off “ Heat” switches:

This model is supplied with two groups of infrared globes. It is recommend that you turn ON the “ Fan” switch first, and then turn one or both the “Heat” switches ON to avoid the gathering of heat.

Note: Do not touch the infrared globes with any part of your body when in use.

2.Exhaust Fan

Turn ON/OFF “ Fan” switch:

The heater can exhaust odours and steam in a quick and efficient way by turning ON the “FAN” switch.

Note: No additional exhaust fan is necessary as the unit itself satisfies your need for exhaust in the bathroom.

3.Lighting

MAINTENANCE

1.Clean

-Shut off power before cleaning

-Ensure the globes are cooled down before handling. Wipe globes, fascia and inner part of the heater with care using a soft cloth soaked with neutral detergent. Remove dust and fuzzy dirt.

2. Globe Replacement

-Check the tighten globes regularly

-Shut off power before replacement

-Use R63 6W LED globe for lighting

-Use E27 275W infrared globes for heating

Note: It may affect operation (even cause danger) when globes other than the designated ones are used.

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WARRANTY

The warranty does not extend to lamp globes supplied or installation of the unit or any associated wiring or any damage caused by installation or wiring.
The installation must conducted by a licensed electrician and suitable certificate of safety is to be issued by the electrician who installed the unit. Warranty claims will be voided unless a certificate of safety can be produced when required, prior to service or repair.
Please keep and present the original invoice to your service agent for warranty services.
The warranty does not cover damage or loss caused by:
-Heat or light globes
-Any consequential losses arising from incorrect installation or operation or maintenance of this product.
-Any consequential losses arising from repairing of any part of this product by unauthorized persons
-Any modification or changes made to the unit other than recommended by the manufacturer.

MAIN TECHNICAL PARAMETERS

Model No. : RYAN-W / RYAN-S

Rated voltage: 220-240Vac

Rated Frequency :50Hz

Rated Power : 621W

Rated Airflow : 320-340 M3/HR

LIST OF COMPONENTS SUPPLIED

Operation Unit : 1pc

Infrared Globe (E27) : 2pcs

Light globes (R63) : 1pcs

Instruction card : 1pcs

Ventiduct and outdoor vent Fascia : 1set

Duct Locking strip: 1 set

Switch : 1 set

Note: This instruction manual is also a cut out template

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