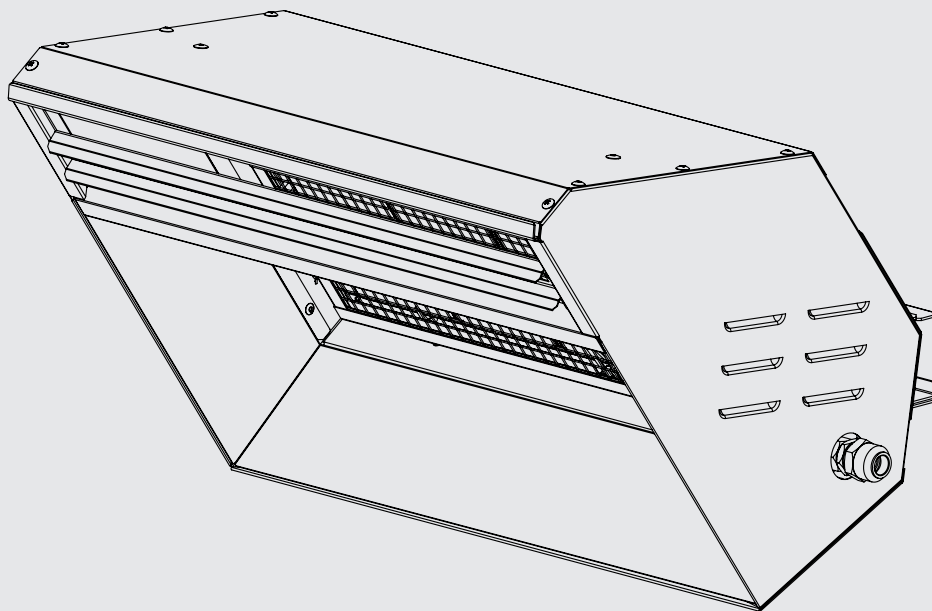


MODELS:

ODHRAD3ML (LPG)

ODHRAD3MN (NG)



Outdoor Super Ray Manual model

Operation and Installation guide

Rinnai

Important

This appliance must be installed in accordance with:

- Manufacturer's installation instructions
- Current AS/NZS 3000, AS/NZS 60335.1, AS/NZS 5601.1 and AS/NZS 5263

For use with Natural Gas or Universal LPG as indicated on the appliance.

Appliance must be installed, commissioned and serviced by an authorised person, being in New Zealand a licensed gasfitter.

Warning

Improper installation, adjustment, alteration, service and maintenance can cause property damage, personal injury or loss of life.

This appliance is not to be used 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.

For more information about buying, using, and servicing of Rinnai appliances call: 0800 RINNAI (0800 746 624).

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THIS APPLIANCE TO BE INSTALLED ONLY BY AN AUTHORISED PERSON. DESIGNED FOR COMMERCIAL OUTDOOR USE. DOMESTIC OUTDOOR AND ENTERTAINMENT / ALFRESCO DINING.

DO NOT INSTALL OR USE THIS APPLIANCE INDOORS
DO NOT OPERATE IN AN ENCLOSED AREA
DO NOT OPERATE IN AN UNVENTILATED AREA

- DO NOT USE OR STORE FLAMMABLE MATERIALS IN OR NEAR THIS APPLIANCE
- DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE
- DO NOT MODIFY THIS APPLIANCE
- DO NOT USE AN ADAPTOR AT THE CYLINDER CONNECTION

Appliance location

This appliance is certified for commercial and domestic outdoor entertainment/alfresco dining areas. This appliance has also been certified for outdoor completely exposed weather applications.

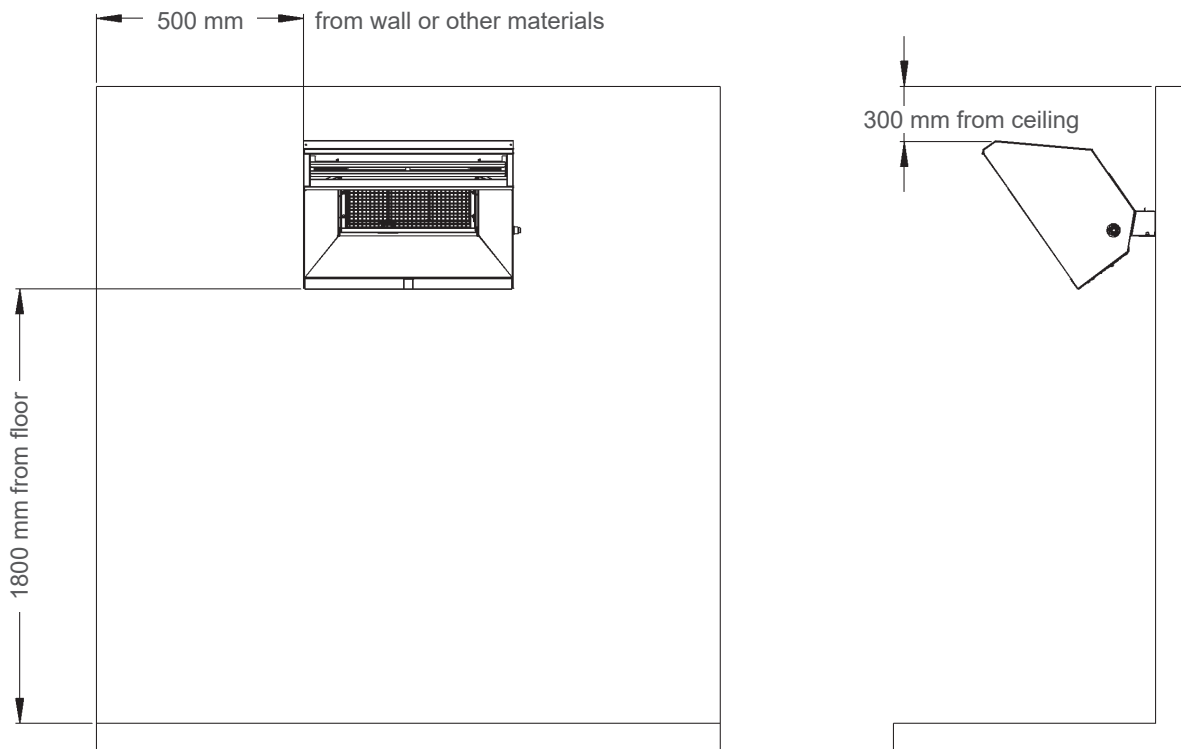
This appliance must only be used in well ventilated areas. It is not recommended for this appliance to be installed or operated in a direct sea side of sea air application.

Care should be taken when choosing an outdoor location as individual site conditions (e.g. prevailing wind) may affect operation of this product.

As a gas appliance there are some criteria governing where it can be located. In addition to the clearances stated below, also ensure the following:

- Outdoor locations comply with 'Definition of an outdoor area', see following page.
- Outdoor use only

The diagram below shows the required minimum clearances for the appliances to walls, floor and ceiling or loose materials such as umbrellas, flags etc.



The heater discharges products of combustion from the top of the unit. If the ceiling clearance is not maintained this could potentially be a fire hazard and surfaces may discolour.

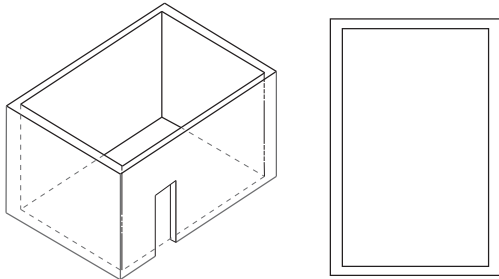
The appliance heats via infra-red rays which discharge heat energy upon striking a surface. They do not pass through solid materials. When installing the heater obstructions to the path of the rays must be taken into consideration.

Definition of an outdoor area

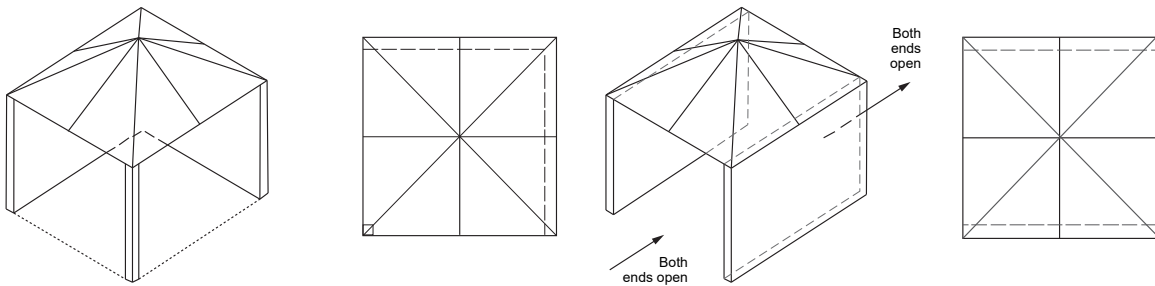
The appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas and where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

Any enclosure in which the appliance is used shall comply with one of the following:

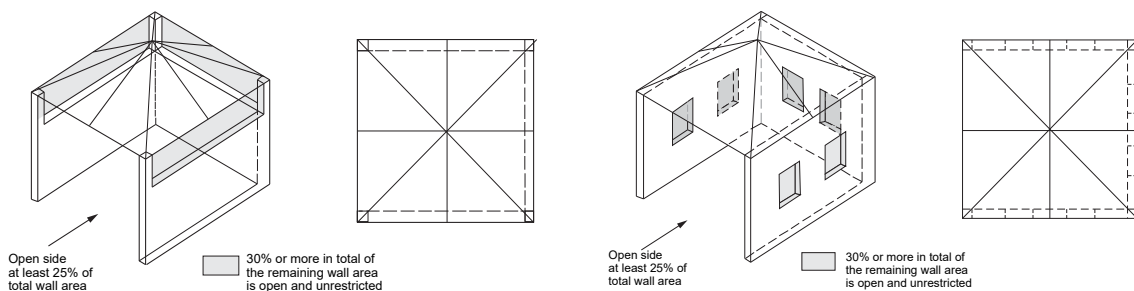
- With walls on all sides, but at least one permanent opening at ground level and no overhead cover.



- With a partial enclosure that includes an overhead cover and no more than two walls.



- Within a partial enclosure that includes an overhead cover and more than two walls, the following shall apply:
 - a. at least 25% of the total wall area is completely open
 - b. at least 30% of the remaining wall area is open and unrestricted



- In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted.

Safety

High surface temperatures

Please be aware of the high surface temperatures on the heater. Young children should be supervised at all times. Hand or body contact with the heater must be avoided.

Flammable materials and aerosols

Do not spray aerosols while the appliance is operating. Most aerosols contain butane gas which can be a fire hazard if used near this appliance.

Do not use or store flammable materials near this appliance.

High surface temperatures

Do not place articles on or against this appliance.

General information

Before operation read these instructions to get an overview of how to operate, maintain, and service your Rinnai appliance.

Maintenance

Although all external covers are made from 304 stainless steel, it should be cleaned regularly to keep the exterior looking good. This is especially important in coastal areas.

Stainless steel should be cleaned using warm water and mild detergent. Never use products containing abrasive liquid cleaners.

Servicing

Rinnai has a maintenance, service and spare parts network with personnel who are fully trained and equipped to give the best advice. Servicing and repair should only be carried out by authorised personnel, please call Rinnai (0800 746 624).

Typical servicing will include cleaning the flame rod, cleaning the internals of the heater, checking gas pressures, and testing ignition. Regular maintenance and servicing is not covered by the Rinnai warranty.

For reliable operation Rinnai Super Rays should be serviced every two years. If they are in a harsh outdoor environment or intensively used (for example, in a commercial application), annual servicing would be beneficial.

Damage by radiant heat

This product emits radiant heat, any materials or objects stored near this appliance could sustain damage.

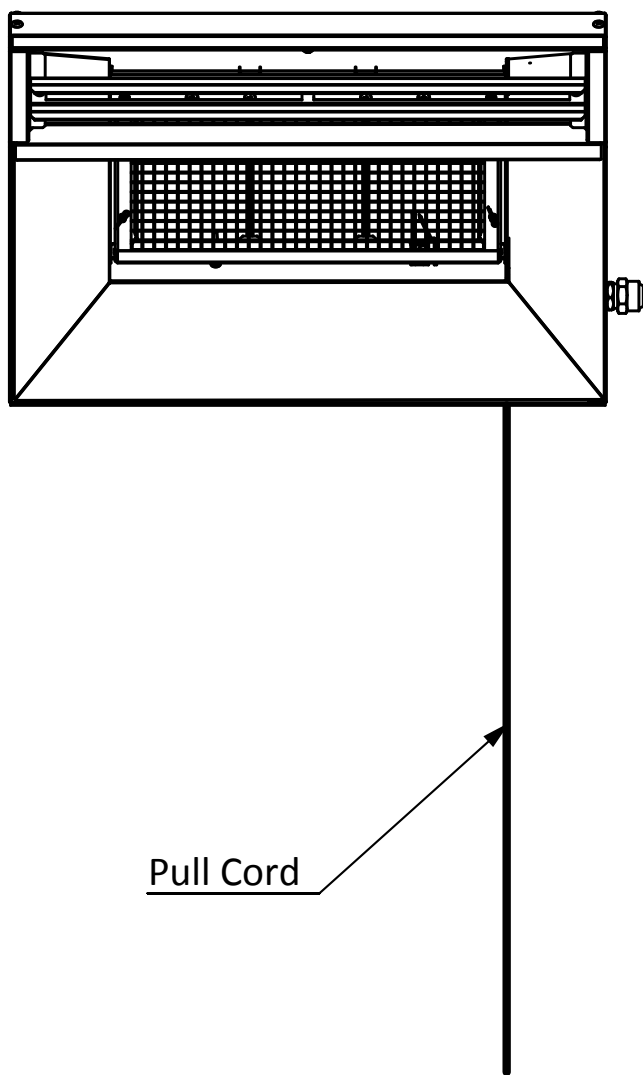
Operation

To turn on Pull the cord down slowly until a click is heard and check for ignition while holding the cord down.

Should the heater fail to ignite, release the cord and repeat the above step.

After ignition, continue to hold down the cord for a further 20 seconds for the gas valve to fully open.

To turn off Gently pull the cord down and let it go.



Installation

Installation, servicing, repair, and removal shall be carried out only by authorised personnel.

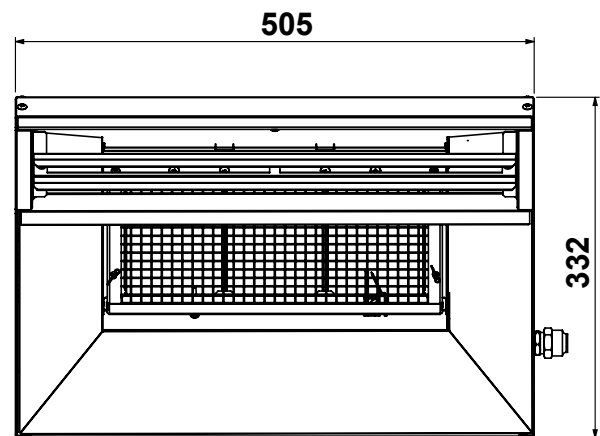
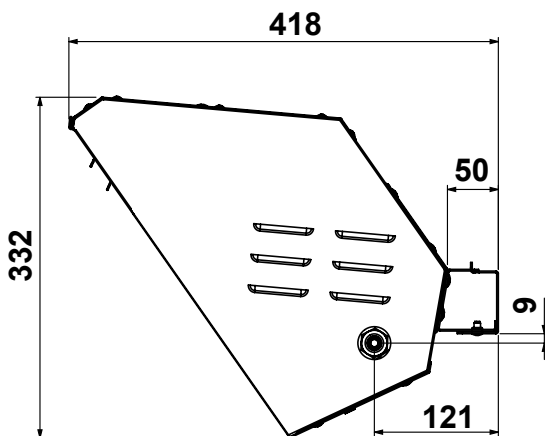


Before installation:

- Unpack the appliance and components and check for damage—do not install any damaged items
- Check all components have been supplied and that you have the correct gas type
- Read these instructions, especially regarding location and clearances, to get an overview of the steps required before starting. Failure to follow these instructions could cause a malfunction, which could result in serious injury or property damage

Specification

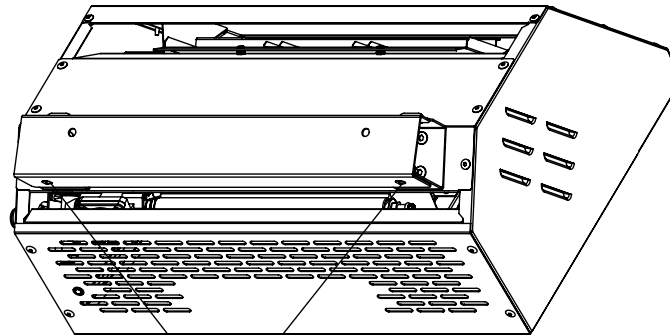
Model	ODHRAD3MN and ODHRAD3ML
Description	Stainless steel radiant plaque gas heater
Data plate	Right surround panel near the gas connection
Gas inlet	NG: 1/2 " copper flare union LPG: 3/8 " copper flare union
Gas type	NG and LPG / Propane
Ignition	Piezo ignitor
Regulator	Inbuilt
Weight	10 kg



Dimensions are in mm

Installation

1. Select a suitable position.
2. Unscrew the wall bracket from the rear of the heater using a 4 mm Allen key. The wall on which the heater is mounted must be capable of supporting the heater (10 kg).

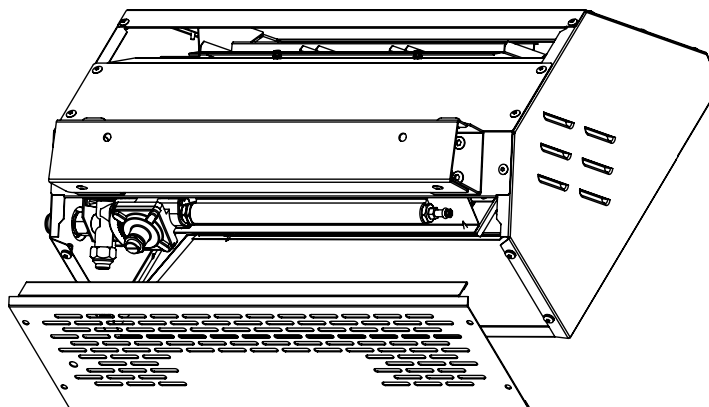


Unscrew these screws to
remove the wall bracket

Place the wall bracket in position and mark the location fixing holes on the wall. Ensure minimum clearances as shown on page 4. The heater must be securely attached to the building or structure using the following fixtures:

- For brick and masonry 8 mm dynabolt or equivalent
- For wood / timber number 12 screws or equivalent

3. Remove lower surround panel and prepare to connect the gas. A manual isolation valve must be fitted.



The inlet connection sizes are as follows:

- Natural Gas $\frac{1}{2}$ " copper flare union
- Propane / LPG $\frac{3}{8}$ " copper flare union

4. Tighten all connections, turn on gas supply and check for leaks with a solution of soapy water. Under no circumstances should a naked flame be used to test any gas leakage.
5. When the installation and testing is completed, explain to the customer about the use and care of the unit, and that they understand the instructions. Leave the instructions with the customer.

Limited Warranty

Rinnai brings you peace of mind with a:

2-year warranty



This warranty is applicable to all Rinnai Super Ray radiant heaters.

All terms of the warranty, subject to the conditions below, are effective from the date of first installation. The attending service person reserves the right to verify this by requesting a copy of the gas certificate of compliance prior to commencement of any warranty work. Proof of purchase and installation date will be required at the time of any warranty claim. This warranty is only valid within the country of purchase.

Any warranty claim made must be made within a reasonable time of discovery of the potential fault or defect.

		Residential application	Commercial application
Super Ray unit		2 years	1 year
	Labour	2 years	1 year
All other parts supplied by Rinnai ¹ (control switches, cable)	Parts	1 year	1 year
	Labour	1 year	1 year

¹ Excludes the pull cord unless the item is shown to be defective at the time of purchase

Single residential application warranty

A residential application is defined as an installation where there is a single unit providing heat to a residential dwelling.

Commercial application warranty

For higher use applications where there are single or multiple units in commercial premises such as, but not limited to these, restaurants, bars, churches, cafes, etc.

General warranty terms

Rinnai reserves the right to make modifications and change specifications and its parts without notice.

For the purposes of the Consumer Guarantees Act 1993, Rinnai only guarantees the availability of repair facilities and spare parts for the express warranty periods recorded in the Rinnai warranty summary table above.

If the heater is being acquired for personal, domestic or household use, this warranty does not limit any consumer rights or guarantees that may apply under the Consumer Guarantees Act 1993. If the product is being acquired for the purposes of a business, the provisions of the Consumer Guarantees Act 1993 do not apply and no other warranties (either express or implied by law) apart from those stated in this warranty apply.

Warranty terms and conditions

1. All terms of this warranty are effective from the date of first installation. The attending service person reserves the right to verify this by requesting a copy of the gas certificate of compliance prior to commencement of any warranty work. The installer must issue a certificate of compliance by law in New Zealand. Warranty claims may be invalid if not accompanied by details of the installing or supervising gasfitter's registration number and the gas certification number.
2. All Rinnai appliances must be installed, commissioned, serviced, repaired, and removed in accordance with the manufacturer's installation instructions, local regulations, and building codes by persons authorised to do so.
3. All appliances must be operated and maintained in accordance with manufacturer's instructions. Rinnai recommends that gas heaters are serviced every two years. If they are heavily used then annual servicing would be beneficial. Servicing of the heater is to be carried out by a Rinnai authorised service centre.
4. If at the discretion of the attending service person the installation is deemed illegal or access is dangerous, service will be refused. Any work required to gain reasonable access to the appliance will be chargeable by the attending service person.
5. The warranty applies only to the components supplied by Rinnai. It does not apply to components supplied by others, such as, but not limited to these, isolating valves, electrical switches, pipe work, electrical cables, and fuses.
6. Where a failed component is replaced under warranty, the balance of the original warranty will remain effective.
7. Rinnai reserve the right to transfer functional components from defective appliances if they are suitable.
8. Rinnai reserve the right to have the installed product returned to the factory for inspection.

9. Where the heater is installed outside the metropolitan area or further than 40 km from a Rinnai authorised service centre, travel costs shall be the owner's responsibility.

Warranty exclusions

The following exclusions may cause the warranty to become void and will result in a service charge and costs of parts (if required).

1. Accidental damage, defects or failure caused by acts of nature (fire, wind, lightning, flood, storm, hail storm fallout), vandalism, earthquake, war, civil unrest, pests, animals, pets, insects, or entry of foreign objects or matter into the product such as dirt, debris or moisture.
2. Defects or failure due to environmental damage such as corrosion.
3. Failure due to abuse or misuse, improper maintenance or improper storage.
4. Failure due to incorrect or unauthorised installations.
5. Failure or damage caused by alterations, service or repair work carried out by persons other than those authorised by Rinnai.
6. Where it is found that there is no fault with the appliance and the issue is related to the installation or is due to the failure of electric or gas supplies.
7. Subject to any statutory provisions to the contrary, Rinnai does not accept:
 - a. liability for consequential damage or any incidental expenses resulting from any breach of the warranty.
 - b. claims for damage to building or any other consequential loss either directly or indirectly.

How to make a warranty claim

Please contact Rinnai as soon as possible after the defect and/or fault has been detected. Contact Rinnai on 0800 RINNAI (0800 746 624) or email info@rinnai.co.nz.

Rinnai.co.nz

Tel: 0800 746 624

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<http://facebook.com/rinnainz>

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