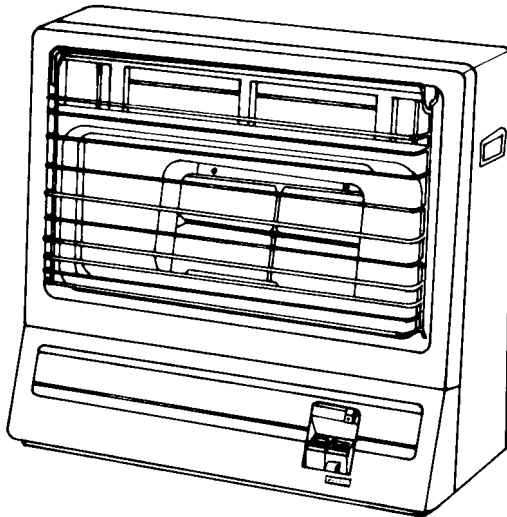


# Rinnai

## Cosyglow/Econoheat RE650PMS(H)/RE850PMS(H)

### Unflued Room Heater

#### CUSTOMERS OPERATING INFORMATION AND INSTALLATION INSTRUCTIONS



◀▶ Jewel Plaques     Tilt Switch     Oxygen Depletion Safety System

This appliance shall be installed in accordance with:-

**Manufacturer's Installation Instructions**

**Local Gas Fitting Regulations**

**Municipal Building Codes**

**A.G.A. Installation Code for Gas Burning Equipment**

**Any other relevant Statutory Regulation**

**This appliance must be installed, serviced and removed by an  
Authorised Person.**

Rinnai Corporation - Japan



AS/NZS ISO 9001  
APPROVED BY BVQI

This Certificate is for Quality Management System, not for product

Manufactured under a Quality  
System Certified as complying  
with AS/NZS ISO 9001  
by an Accredited Certification  
Body.

**Bureau Veritas  
Quality International**



**The Australian  
Gas Association**

Proudly a member of the AGA  
All of our gas products are AGA  
tested and approved.



**Quality  
Endorsed  
Company**

ISO 9001 Lic 4983  
SAI Global

Head Office Certified

Distributed and serviced in Australia under a Quality  
System certified as complying with ISO 9001 by  
SAI Global

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## RINNAI GUARANTEE OF QUALITY

As a purchaser of a high quality Rinnai product we provide you with the following guarantee on your new Heater

	<b>Free labour Period</b>	<b>Free parts Period</b>
<b>COMBUSTION CHAMBER</b>	<b>3 Years</b>	<b>10Years Pro-rata*</b>
<b>All other parts</b>	<b>3 Years</b>	<b>3 Years</b>

\* Combustion chamber full replacement parts cost in the first 3 years, reducing 15% per year thereafter.

The benefits conferred by this guarantee are in addition to all other rights and remedies in respect of the product which you have under the Trades Practices Act and other State and Territory laws.

This guarantee does not cover cleaning and normal wear and tear, calls of this nature may be chargeable.

## APPROVAL

Your Heater has been approved by the Australian Gas Association

AGA Approval Numbers

RE650PMS(H)/Cosyglow: 4020

RE850PMS(H)/Econoheat: 4021

No parts or functions should be modified or permanently removed from the unit.

Please keep these instructions in a safe place for future reference.

## FEATURES OF YOUR NEW HEATER

1. 11MJ/h input for the RE650PMS(H) Cosyglow, and 14MJ/h for the RE850PMS(H) Econoheat (Propane 15MJ/h)
2. Push button automatic ignition.
3. Two setting burner, half and full.
4. Jewel cut burner for quick heat up and attractive appearance.
5. Flame failure device which cuts the gas off, should the flame be extinguished.
6. Oxygen depletion sensing system, which cuts the heater off if the oxygen in the room falls below a predetermined level.
7. Tip over switch which cuts the gas off if the heater is knocked over.
8. Complete with 1.5 metre approved gas hose, ready to plug into your bayonet connection.

## INSTALLATION

The installation of this heater must conform to Local Regulations. Check with your Local Gas Authority or Supplier if you are unsure of the regulations.

The room where your heater is installed must be correctly ventilated.

**THERE ARE MINIMUM ROOM SIZE REGULATIONS FOR UNFLUED HEATERS**

**THE RE650PMS MUST NOT BE USED IN A ROOM SMALLER THAN 55M<sup>3</sup> (Cosyglow) (W.A. 27.5M<sup>3</sup>)**

**THE RE850PMS MUST NOT BE USED IN A ROOM SMALLER THAN 75M<sup>3</sup> (Econoheat) (W.A. 37.5M<sup>3</sup>)**

## GUARANTEE INFORMATION

Please record below:-

Your Retailer:

Address:

Phone:

Date of Purchase:

There is no need to post this guarantee back to Rinnai. Simply keep it in a safe place as your record.

## SERVICE

Rinnai Australia has a service and spare parts network in all states. Our service network personnel are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance needs service, please ring one of the service contact numbers on the back of this booklet.

Rinnai recommend that this appliance be serviced every 2 years.

## CARE OF YOUR HEATER

Your heater needs very little maintenance, but the following will help you to keep it looking good and working efficiently.

### Oxygen Depletion Sensor

Annual cleaning of the oxygen depletion sensor is recommended, this should be carried out by Rinnai or your Agent.

### Outer Case

The outer case of the heater should be cleaned with a soft, damp cloth. Do not use solvents. Do not use aerosol polishes to clean the casing whilst the heater is in operation.

To clean the reflector, the dress guard may be removed as shown in the diagram. Turn heater off and allow to cool before removing guard.

**ALWAYS REPLACE AFTER CLEANING.  
NEVER OPERATE THIS HEATER WITH  
THE DRESS GUARD REMOVED.**

DO NOT touch dress guard while the appliance is in operation.



Do not place articles on or against this appliance.

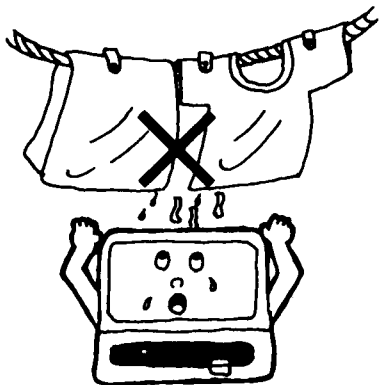
Do not use or store flammable materials near this appliance.

Do not clean plastic parts with solvents; use a soft, damp cloth.

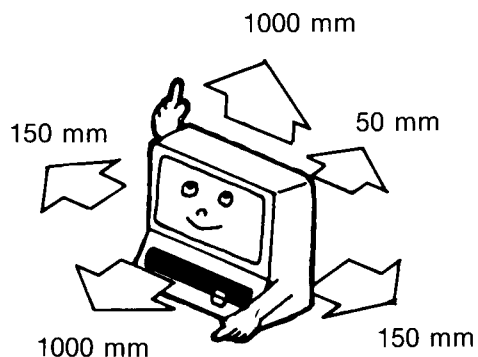
The guard on this appliance conforms to AGA requirements. It is designed to prevent risk of fire or injury from burns, and no part of it should be permanently removed. **IT DOES NOT GIVE FULL PROTECTION TO YOUNG CHILDREN OR THE INFIRM.**

# IMPORTANT POINTS

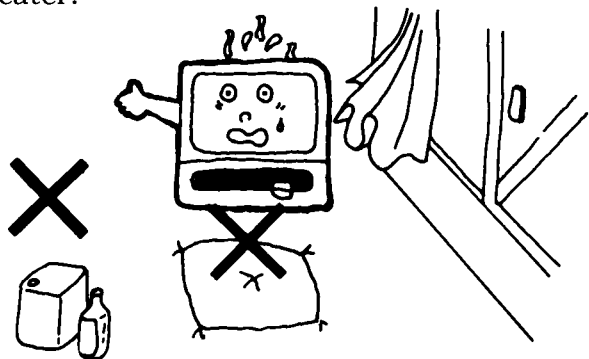
Do not use for any purpose other than heating.



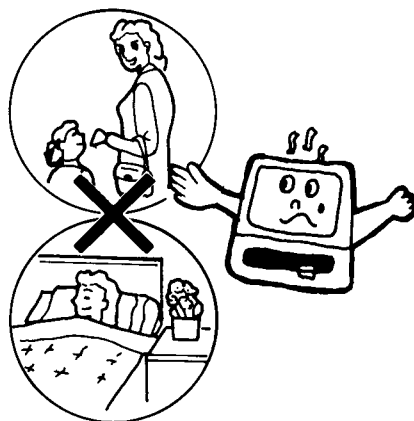
These clearances should be maintained at all times.



Do not allow curtains or other flammable materials to come into contact with the heater.

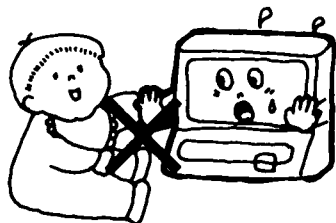


Do not leave this unit alight when you leave the house. Turn off before sleeping.

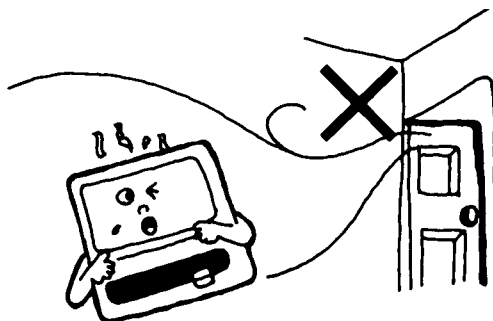


Do not store flammable products near the heater. Combustible materials must not be placed where the heater could ignite them.

Supervise children near heater.

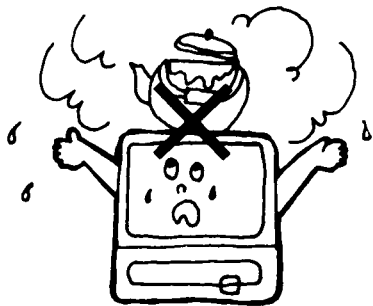


Don't install this heater in usually windy locations.



# IMPORTANT POINTS

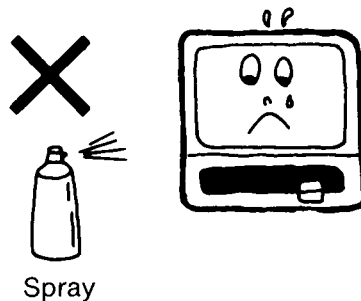
Do not place any articles containing liquid on top of the heater.



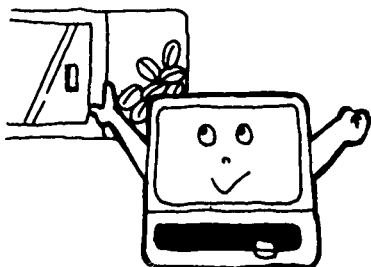
Don't spray aerosols on the unit whilst it is in operation.

Most aerosols contain butane gas, and can be a fire hazard if used near this heater when it is in use.

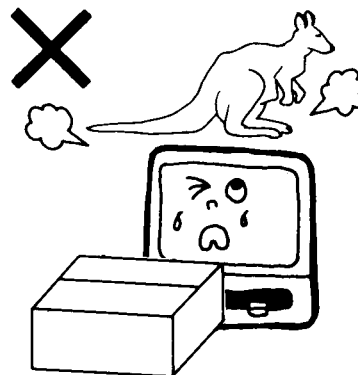
Use of aerosols, paint, polishes, etc. while this heater is in use may cause unpleasant smells.



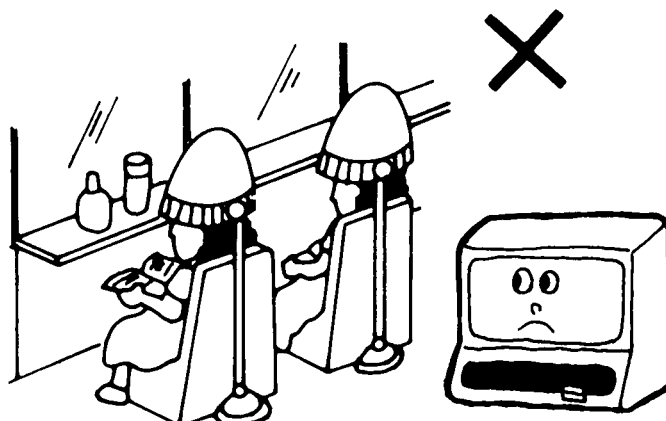
The room must be ventilated when this heater is in use.



Do not place articles on or against the heater.



Do not use this heater in areas where spray painting is taking place or in areas such as hairdressers where there may be lot of fluff and dust and where aerosols may be used.



# PRE-SERVICE CHECK LIST AND FAULT FINDING

Please check this fault finding chart before asking for a service call.

You may be able to overcome the problem without a service call, or the unit may be operating normally.

Service calls to a unit which is operating normally may be chargeable, even when the unit is under guarantee.

PROBLEM  CAUSE	NO IGNITION OR DIFFICULT TO IGNITE	BURNER GOES OUT WHEN CONTROL IS RELEASED	SLOW CROSS LIGHTING	NOISY IGNITION	BURNER GOES OUT DURING OPERATION	BURNER DOES NOT GLOW PROPERLY	FLAME OR SOOTING FROM BURNER	ROOM TEMPERATURE DOES NOT INCREASE	STRANGE NOISES	REMEDY
AIR IN HOSE	●		●							REPEAT IGNITION
INCORRECT GAS PRESSURE	●		●	●		●	●	●	●	SERVICE CALL
ELECTRODE DIRTY	●									SERVICE CALL
DIRTY THERMOCOUPLE		●			●					SERVICE CALL
IGNITION METHOD INCORRECT	●									READ INSTRUCTIONS
NOT HOLDING CONTROL LONG ENOUGH		●								READ INSTRUCTIONS
HIGH TENSION CORD DISCONNECTED	●									SERVICE CALL
SAFETY DEVICE OPERATING		●			●					CHECK FIRST, THEN SERVICE CALL
FAULTY IGNITOR	●									SERVICE CALL
FAULTY SAFETY DEVICE		●			●					SERVICE CALL
ROOM TOO BIG OR UNDERSIZED HEATER							●			CONTACT RETAILER
ROOM TOO SMALL OR INSUFFICIENT VENTILATION					●					CHECK VENTILATION AND ROOM SIZING
FLAT BATTERY	●	●								REPLACE BATTERY
GAS TURNED OFF AT METER	●									TURN GAS ON

If you are unsure about the way your heater is operating, contact Rinnai or your agent.

# INSTALLATION INSTRUCTIONS

Specifications: See back cover of this instruction.

## UNPACKING

Never lift the heater out of the carton by top louvres.

Check for damage, if unit is damaged contact supplier or Rinnai for advice.

## BEFORE USING THE HEATER

Check unit supplied is correct for gas type in your area.

Refer to local Gas Authority for confirmation of gas type if in doubt.

# INSTALLATION

### Check Room Size

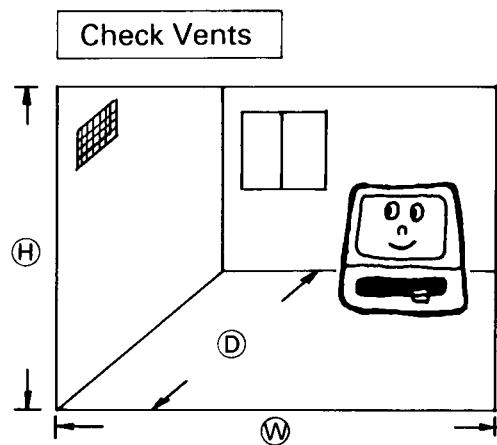
This heater must not be installed in a room smaller than:

RE650 PMS(H) (Cosyglow) 55M<sup>3</sup> (W.A. 27.5M<sup>3</sup>)

RE850 PMS(H) (Econoheat) 75M<sup>3</sup> (W.A. 37.5M<sup>3</sup>)

Ventilation must conform to local regulations.

Do not install in a bedroom or bath room.



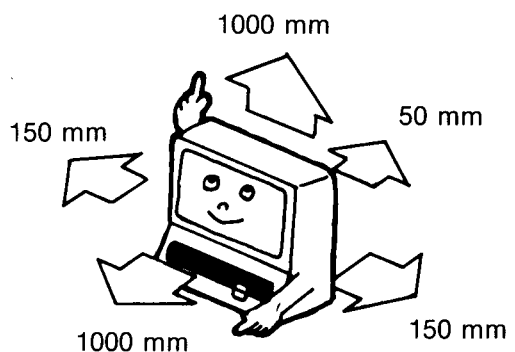
For the RE650PMS(H) H x W x D must equal or exceed 55M<sup>3</sup> (Western Australia 27.5M<sup>3</sup>)

For the RE850PMS(H) H x W x D must equal or exceed 75M<sup>3</sup> (Western Australia 37.5M<sup>3</sup>)

This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.

Other clearances are shown in the diagram.

This heater is not designed to be built in.



CONNECT GAS



FOLLOW IGNITION INSTRUCTIONS





# CUSTOMERS OPERATING INFORMATION

For trouble free operation, please read the following information carefully.

For your convenience your new heater has push button/slide control.

All necessary adjustments to the operation of your heater can be made with these controls.

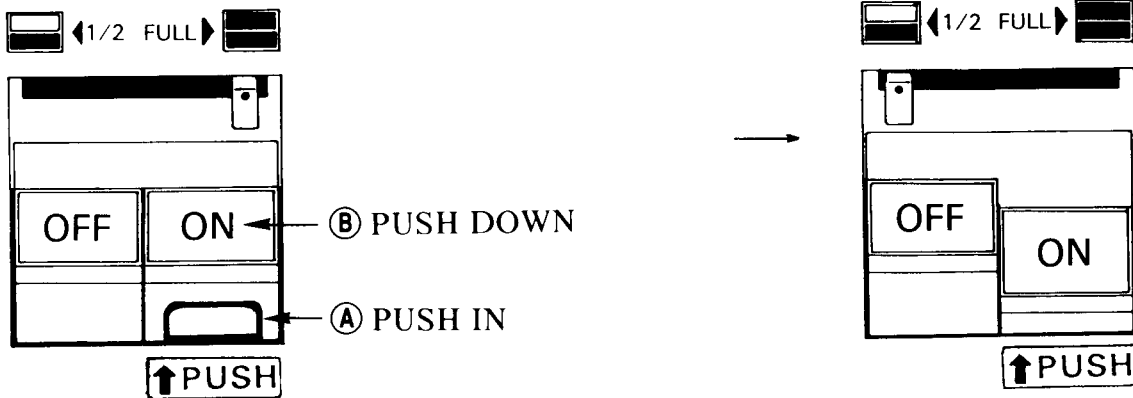
**IGNITION**

**CONNECT GAS** →

Room must be ventilated when this heater is in use.

Your new Rinnai heater has a convenient push button, battery ignition system. To turn the unit on, simply push button (A) in, then push button (B) down, and hold. Make sure the burner is lit before releasing the ON button, (A). (Usually 5 to 10 seconds)

The heater can be lit at either FULL or HALF setting.

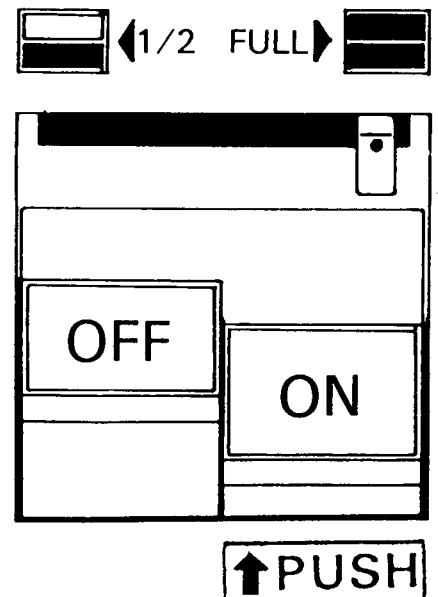
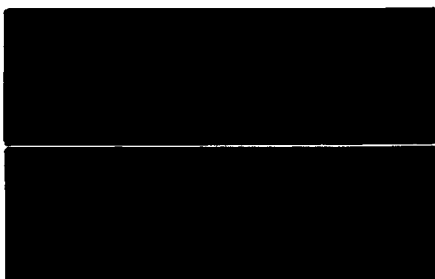


## MAIN BURNER SETTINGS

Your heater has 2 burner settings — FULL and HALF. To change from FULL to HALF, simply slide the burner setting knob to the appropriate position.

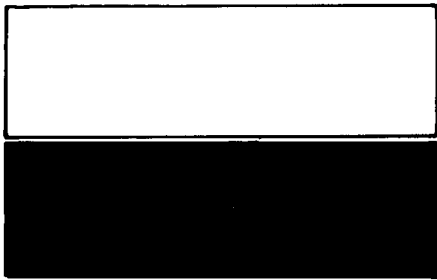
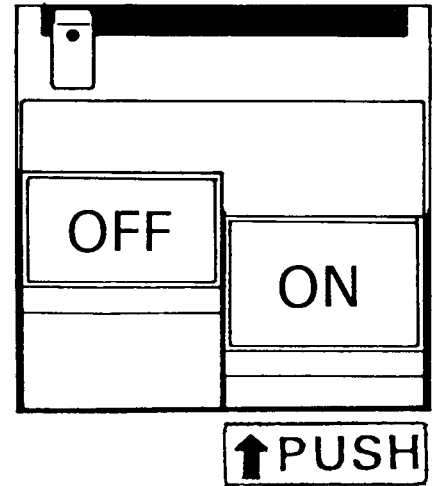
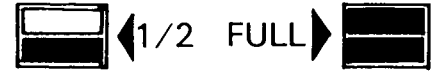
**FULL ON**

Simply slide the control to the 'FULL' position after ignition.



## TO DECREASE THE HEAT

Slide the control to the 'Half' position. This will leave only the bottom part of the burner alight.



## TO INCREASE HEAT

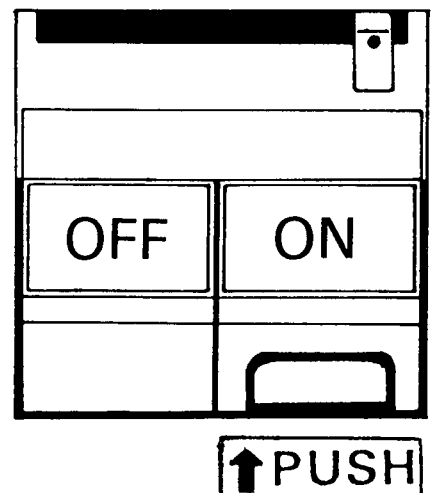
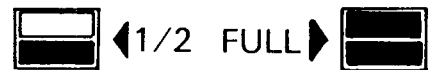
Slide the control from the 'Half' to the 'FULL' position, the top part of the burner will light automatically.

## PILOT BURNER

The pilot burner permanently stays on while the main burner is on.

## TO TURN THE UNIT OFF

Push the OFF button. The unit turns itself off.



# SAFETY DEVICES

## Flame Failure Device

This device automatically cuts the gas supply to the heater in the event of a gas failure. To restore the supply to the heater, turn it off, then follow the ignition procedure.

## Oxygen Depletion Safety Device

If the Oxygen level in the room drops below a pre-set limit, this device cuts the gas supply to the heater. If the Oxygen Depletion device operates, turn the heater off, ventilate the room, then follow the ignition procedure to relight. Heater will not relight until room is fully ventilated.

## Tilt Switch

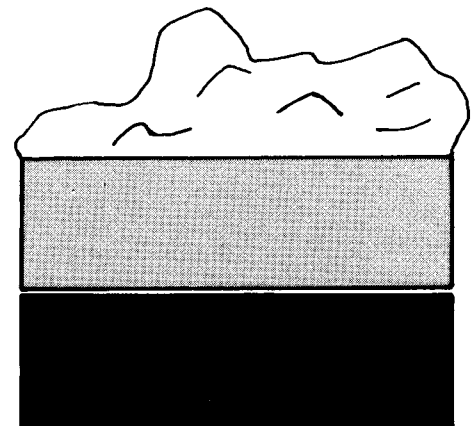
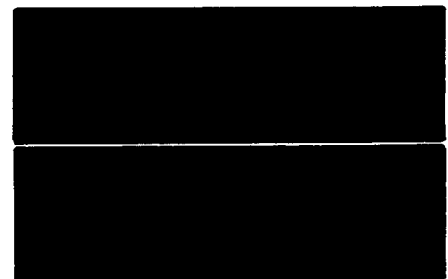
If the heater is knocked over, the tilt switch will cut the gas supply. To restore the supply, stand the heater up and follow the ignition procedure. The tilt switch may also operate if the heater is jolted or picked up whilst in operation.

# PERIODIC CHECK

The tiles should glow evenly (it will take a few minutes of operation for them to reach full, even brightness).

There should be no abnormal after burning or yellow flames.

If in doubt about your heater's operation, contact Rinnai Australia, or your agent.



# SPECIFICATIONS

## Rinnai RE650PMS(H)/Cosyglow

<b>TYPE:</b>	Radiant Convections type heater
<b>INPUT: (MJ)</b>	NG 11.5 TG/Propane 11
<b>GAS CONTROL:</b>	Integrated one touch Rinnai gas cock
<b>TEST POINT PRESSURE (kPa):</b>	NG 1.0, TG 0.58, Propane 2.70
<b>INJECTORS:</b>	See data plate on the rear of the heater.
<b>DIMENSIONS (mm):</b>	440W × 403H × 240D
<b>BATTERY:</b>	Size D × 1 at the rear of the unit

## Rinnai RE850PMS(H)/Econoheat

<b>TYPE:</b>	Radiant Convections type heater
<b>INPUT: (MJ)</b>	NG 14 TG 14.5 Propane 15
<b>GAS CONTROL:</b>	Integrated one touch Rinnai gas cock
<b>TEST POINT PRESSURE (kPa):</b>	NG 0.93, TG 0.58, Propane 2.7
<b>INJECTORS:</b>	See data plate on the rear of the heater.
<b>DIMENSIONS (mm):</b>	506W × 410H × 240D
<b>BATTERY:</b>	Size D × 1 at the rear of the unit

Rinnai are continually updating and improving products, therefore specifications are subject to change without prior notice.

# SERVICE CONTACT POINTS

## **Rinnai Australia** PTY. LTD. A.C.N. 005 138 769

<b>Head Office:</b>	10-11 Walker Street, Braeside, Vic 3195.	Tel: (03) 9580 7811. Fax: (03) 9580 8098. Sales: (03) 9586 7977. Fax: (03) 9587 0107. Spare Parts & Service: (03) 9586 7948. Fax: (03) 9580 7747. 24 hr Hot Water Tel: (1800) 632 386.
<b>N.S.W. Branch:</b>	62 Elizabeth Street, Wetherill Park, NSW 2164.	Tel: (02) 609 2111. Fax: (02) 609 5260. Sales: (02) 609 2888. Service: (02) 609 2600. 24 hr Hot Water Tel: (02) 729 0468.
<b>S.A. Branch:</b>	140 Days Road, Ferryden Park, SA 5010.	Tel: (08) 345 0292. Fax: (08) 345 4760. 24 hr Hot Water Tel: (018) 81 4379.
<b>W.A. Branch:</b>	17-19 Belgravia Street, Belmont, WA 6104.	Tel: (09) 478 3355. Fax: (09) 277 2531. 24 hr Hot Water Tel: (09) 401 2562 North. Tel: (09) 457 1909 South.
<b>QLD Branch:</b>	6 Curban Street, Underwood, QLD 4119.	Tel: (07) 3341 8777. Fax: (07) 3341 8868.
<b>A. C. T.</b>	Rinnai Southern (Bird & Stirling Agencies Pty). Ltd. 3 Lithgow Street, Fyshwick, ACT 2609.	Tel: (06) 280 4833. Fax: (06) 280 6561.
<b>Tasmania:</b>	Contact Rinnai Melbourne on:	Tel: (03) 9580 7811. Fax: (03) 9580 8098. Service: (03) 9586 7948. Fax: (03) 9580 7747.