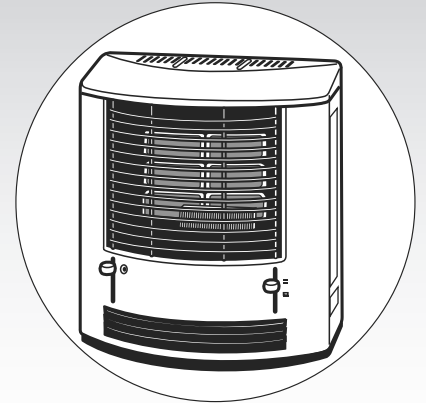


# RADIANT CONVECTOR

## MODEL PG-1000EF



## CUSTOMER OPERATION AND INSTALLATION INSTRUCTIONS

Thank you for purchasing a Paloma Radiant Convector.

To operate this appliance safely and correctly,  
please read these instructions thoroughly.

Please contact your nearest Paloma distributor if these  
instructions are lost.

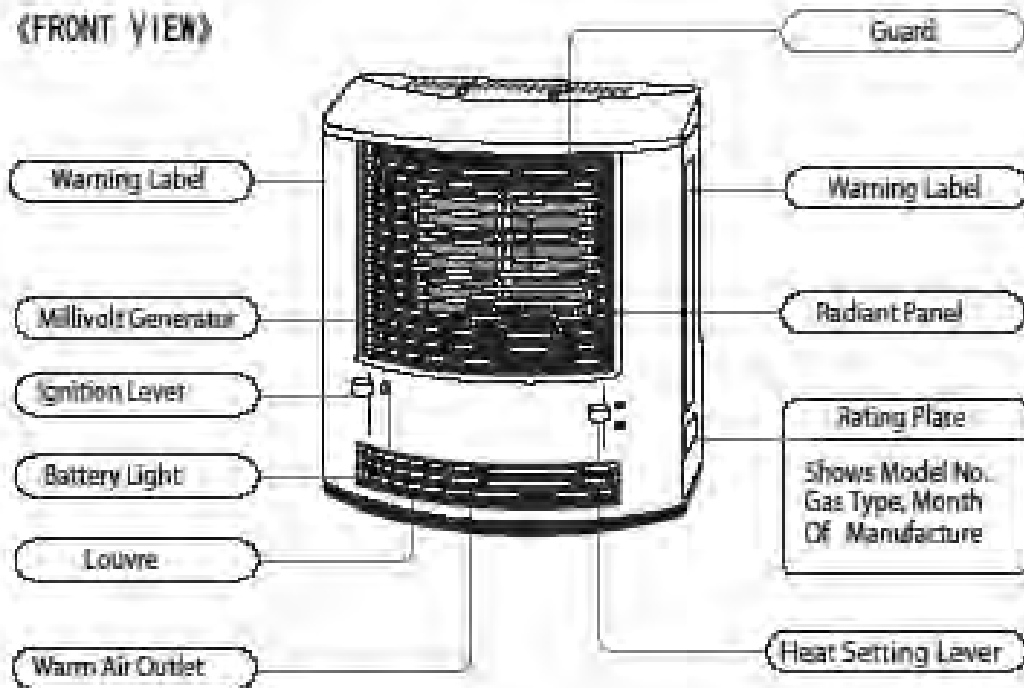
- Radiant and Convection  
Combination of soft warmth  
by convection and direct warmth  
by radiant heat
- No Power Supply needed  
Newly developed Millivolt generator  
for convection fan.  
Environmentally friendly.
- Safety Features Include :  
Tilt-Safe, Oxygen Depletion Cut Out  
Flame Failure Safety Cut Out

Product Overview .....	1
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Installation Instructions .....	7
Operational Instructions .....	9
Inspection and Maintenance .....	11
Trouble Shooting .....	13
Servicing & Warranty .....	15

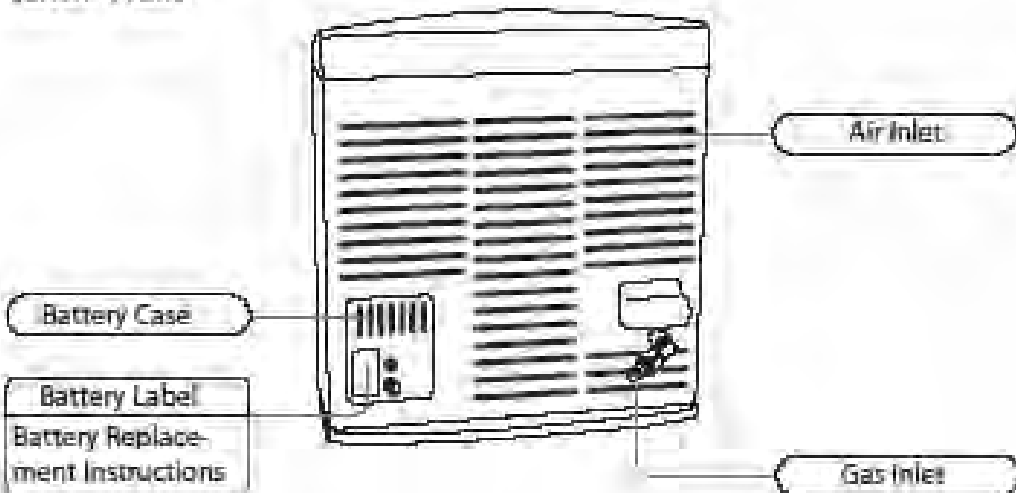
# Paloma

## PRODUCT OVERVIEW

《FRONT VIEW》






《BACK VIEW》



# SAFETY INSTRUCTIONS

## To Use This Heater Safely

To ensure safe and proper use of this heater, please read these instructions carefully.

 <b>DANGER</b>	Indicates an immensely hazardous situation which, if not avoided, will result in death or serious injury in the most extreme situations.
 <b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	Indicates a potentially hazardous situation which, if not avoided, may result in minor injury.

Definitions of symbols listed below:



Generally prohibited



No fire to be ignited



Do not touch



Do not dismantle



Be careful of flame



What should be followed

### **DANGER**

If a gas leak is detected do not turn power switches on or off. Do not plug or unplug electrical appliances. Do not use the telephone.

→Flame or spark may ignite the gas and cause fire.

- ①Cease operation immediately and close the gas valve.
- ②Open windows and doors for ventilation.
- ③Contact your nearest Paloma distributor.



### **WARNING**

Ensure that the heater supplied is correct for the gas type provided. The appliance gas type is indicated on the Gas Type Label

→Using different types of gas may cause an explosive ignition resulting in injury, damage to the heater, malfunction of Oxygen Depletion Safety Device.

\*If you are uncertain, please contact your nearest sales outlet, Paloma distributor or your gas supplier



# CAUTIONS

## ⚠ WARNING

Use the hose supplied with the heater to avoid risk of gas leakage.



Check room size.  
Ventilation must comply with local regulations.  
Note: Not intended for fireplace insert.



→ Continuous use decreases oxygen level in the room which activates the Oxygen Depletion Safety Device.



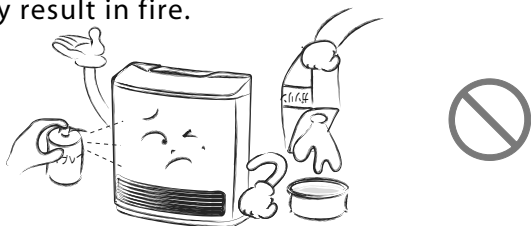
Do not allow curtains or other flammable materials to come into contact with the heater.

→ It may cause fire, or the pressure in the aerosol may rise too high and result in an explosion.



Do not use or store gasoline, benzene, aerosol and other flammable materials which may catch fire, near the heater.

→ It may result in fire.



① If the heater does not ignite, or abnormal combustion, odour, noise are observed when in use, cease operation immediately and close the gas valve.

② If a problem is observed, refer to the troubleshooting section of these instructions.

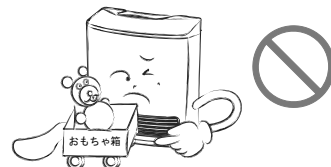
③ If the problem cannot be fixed then call for a service.

Cease operation and close the gas valve immediately in the event of emergency situation.



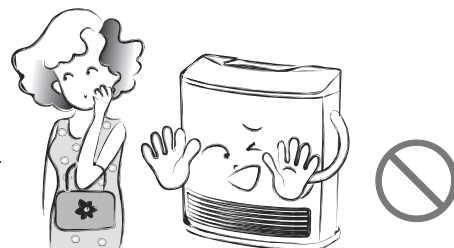
Do not insert paper, cloth or any other foreign materials in the Louvre or the Air Inlet and do not cover them.

→ It may cause a fire or overheating due to blockage of air intake.



Do not leave the heater unattended.

→ It may result in fire.



Do not stay where direct heat from the heater is received for long hours. Do not sleep directly in front of the heater.

→ Receiving direct heat continuously may affect physical conditions or may cause low temperature burn.

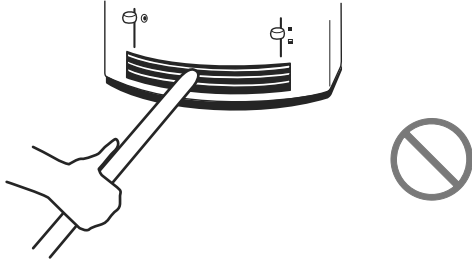
\* The following persons must be supervised at all times.

Infant, Aged, Very Tired, Person with Sensitive Skin, Person who is intoxicated.



**⚠ WARNING**

Do not insert any object into the Louvre opening. Do not block the Louvre opening.  
→It may damage the fan.



This appliance is to be repaired by an authorised person.

→Repair by an unauthorised person may cause abnormal operation



Do not place anything in front of the Louvre or block the Air Inlet.

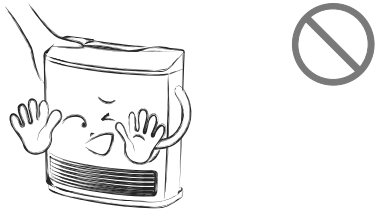
→Warm air temperature will rise, which may result in fire or discoloration or damage the floor .



**⚠ CAUTION**

Do not move the heater during operation.

→Damage to the Hose may occur which causes gas leakage, abnormal combustion or injury.



Do not stand, sit or lean on the heater .

→The heater may be damaged .



Only to be used as a space heater .

→It may cause fire or damage by overheating or abnormal combustion .



Do not insert your finger into the Louvre or the Air Inlet .

→It may cause injury.



Do not place the heater under a plastic light.

→The plastic cover may become discoloured .



Do not ignite by any measures other than the ignition system incorporated in this heater .

→It may cause fire or explosion .

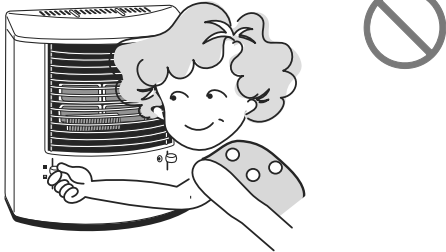


# CAUTIONS

## ⚠ CAUTION

Do not get your face close to the heater at the time of ignition.

→It may cause a burn.



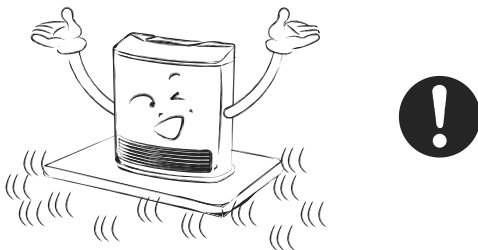
Ensure that recommended clearances are maintained at all times.

→It may cause malfunction of temperature control and may cause fire.



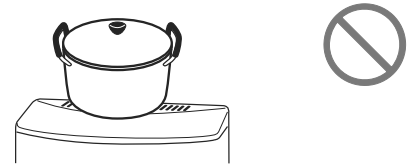
Place a flat board for stability when the heater is placed on soft or thick carpet.

→Placing directly on the carpet may discolour the carpet.



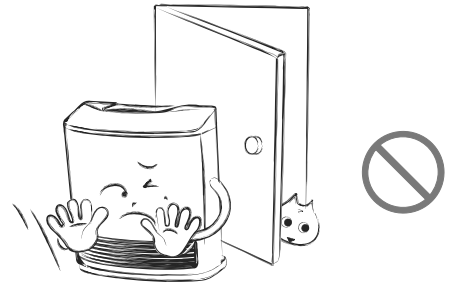
Do not place a kettle or a pan on the heater.

→It could fall and damage the heater.



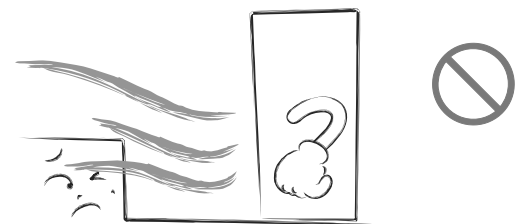
Do not place near a door.

→The heater may be knocked over.



Do not place the heater in front of a step.

→Warm air may discolour the step.



Do not install in a greenhouse or a room used by house pets.

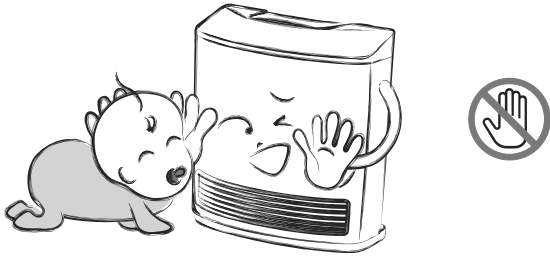
→It may dry up the plants or kill pets.



## ⚠ CAUTION

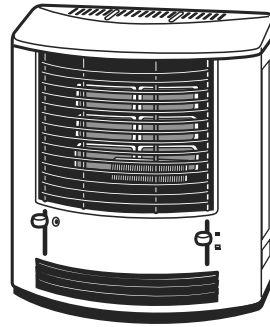
Do not touch the top panel, guard, reflection panel and radiant panel as they are very hot when in use.

→It may cause a burn. Please ensure that children are supervised at all times.



Do not touch the Millivolt unit.

→The Millivolt unit takes an hour to cool down therefore do not touch even after heater is extinguished.



## REQUEST

This heater is for household use only. Using for commercial application will shorten the life significantly.



Do not use spray containing silicone near the heater.

It damages the Oxygen Depletion Safety Device.



Do not install in a place where the heater may be affected by wind. Flame may be blown out by strong winds.

Not to be connected to a LPG gas cylinder located indoors.

# INSTALLATION INSTRUCTIONS

This appliance is to be installed in accordance with:

- Local gas fitting regulations.
- Municipal building codes.
- AGA installation code AG601.
- Manufacturer`s installation instructions.
- Any other relevant statutory regulation.
- This appliance must be installed, serviced and removed by an authorised person.

## 1 PREPARATION

- ① Unpack and take out the heater.
- ② Make sure that the gas specified on the rating plate matches the supplied gas.
- ③ Do not install if the heater is for wrong gas type. Please contact the place of purchase immediately.

## 2 INSTALLATION SITE

Be sure to install on a flat surface.

### ! CAUTION

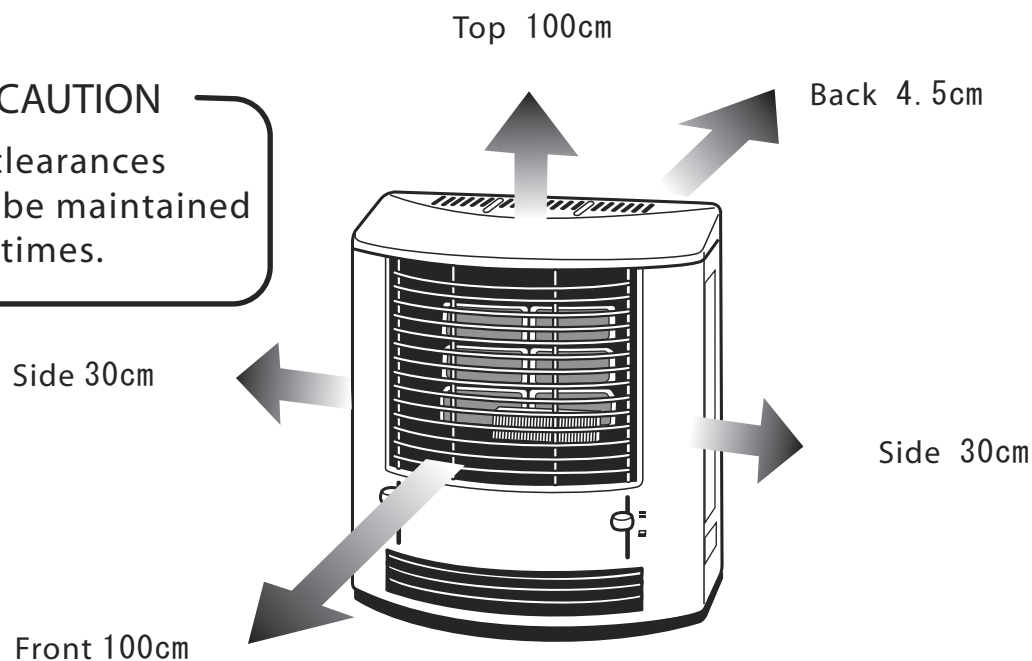
Do not install in following places.

- A room with inadequate ventilation
- Uneven surface.
- Windy location.
- Near a door.
- On vibrating floor.
- In a bedroom or bathroom.
- Where flammable objects are likely to come into contact with the heater.
- Under shelves.
- Where water may splash or near other heat source.
- Caravan or recreational vehicle.
- In confined space, e.g. inside a fireplace.

## 3 MINIMUM CLEARANCE

### ! CAUTION

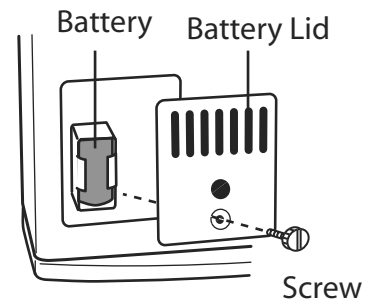
This clearances must be maintained at all times.





## 4 HOW TO PLACE BATTERIES

Unscrew the battery case on the back panel and place a "C" size battery, with positive side up.



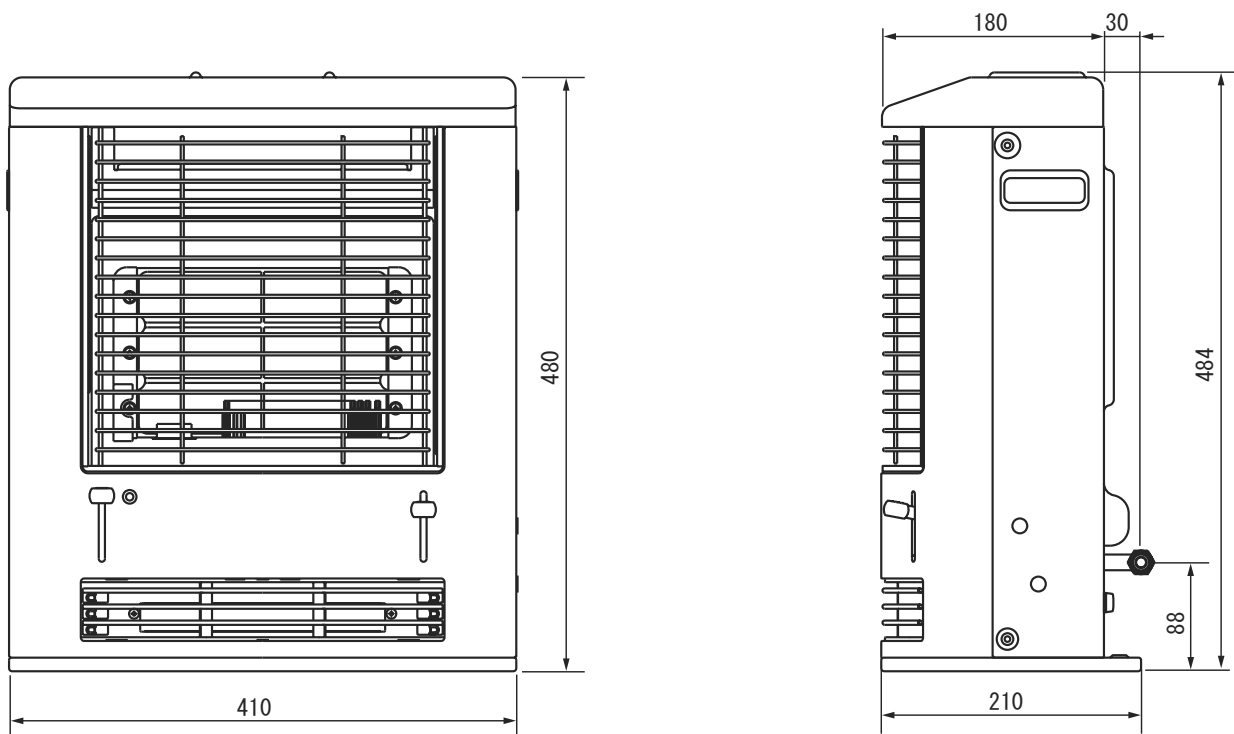
## 5 GAS CONNECTION

Only use the gas supply hose provided.

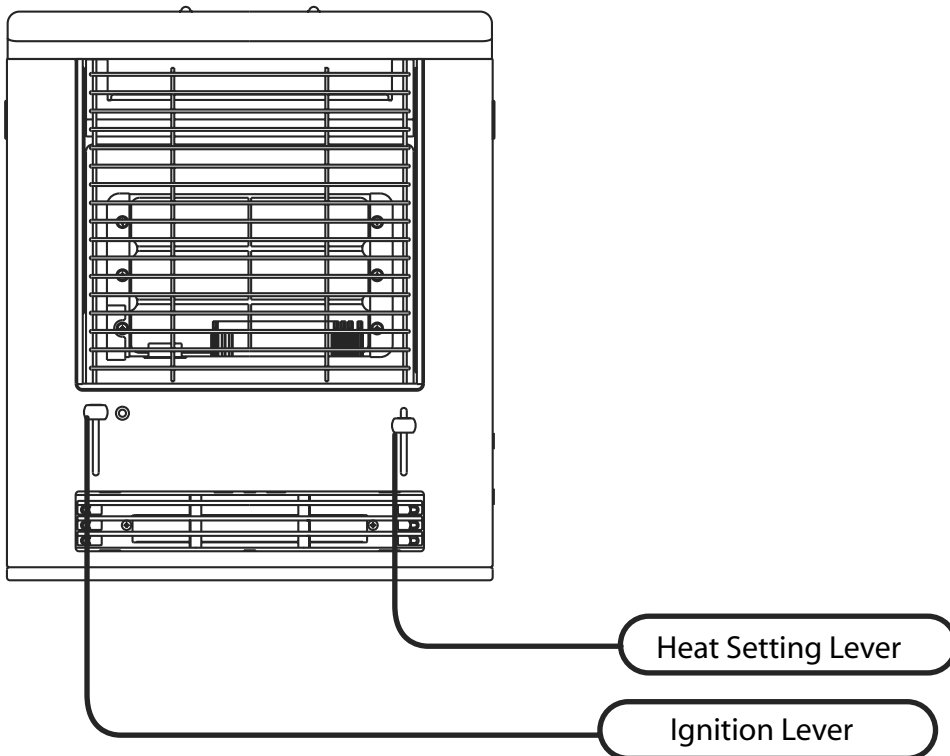
### ⚠ CAUTION

- Do not leave the hose kinked or twisted.
- Do not allow the hose to come into contact with hot surfaces.
- Do not leave dirt or foreign matter on the connection fitting.
- Do not place the hose on or under the heater.

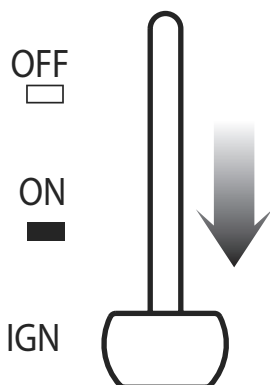
## EXTERNAL DIMENSIONS (in mm)



# OPERATIONAL INSTRUCTIONS



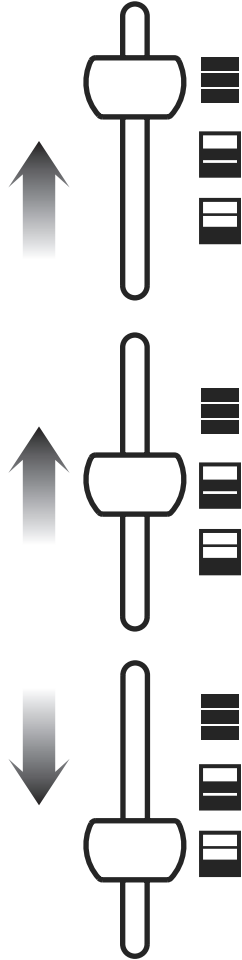
## 1 IGNITION



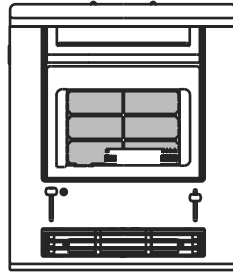
- ① Depress the ignition lever fully and keep depressed for several seconds.
    - The heater will not ignite unless the lever is pressed firmly.
    - The heater sparks to ignite.
    - Make sure that the whole surface of the Radiant Panel glows after the ignition.
  - ② Make sure that the flame stays alight after releasing the Ignition Lever.
    - The fan does not start immediately.
    - It takes about 3 minutes for fan to get to full speed.
- Note**
- Flame goes out if the Lever is not depressed for several seconds.  
Press the Lever again holding the Lever down for several seconds.
  - It may be difficult to ignite for the first use or when the heater has not been used for a long time. This is due to air in the hose.  
Repeat the ignition procedure in such case.

# 2

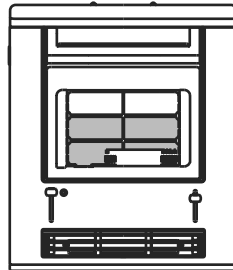
## HEAT SETTING ADJUSTMENT



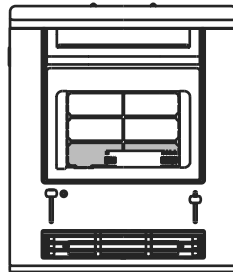
High/Medium/Low modes are available.  
Select any of these modes.



For High Setting,  
Push up the lever to  
position.



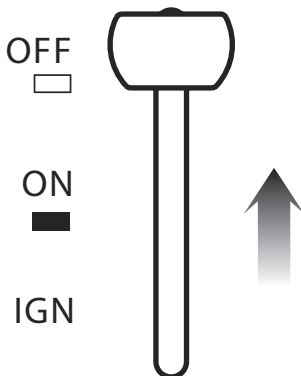
For Medium Setting,  
Push down the lever to  
position.



For Low Setting,  
Push down the lever to  
position.

# 3

## TURN OFF THE HEATER



Press up the lever to cease operation.

- Ensure flame is extinguished.

# INSPECTION AND MAINTENANCE

Close the gas valve and wait until the heater cools down.

- Be sure to carry out daily inspection and maintenance.
- Do not use the heater if you believe something is wrong.
- It is recommended that your heater be serviced periodically.

## POINTS TO CHECK

1. There are no flammable materials in the vicinity of the heater.
2. The hose is correctly connected without bending or twisting.
3. The battery is not flat.

Replace with new battery when battery light is illuminated.

Continuous use of old battery results in flame outage.

\* Battery normally lasts for 3 seasons. The enclosed battery's life may be shortened due to natural discharge after manufacturing date.

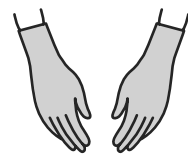
## STORAGE (When not using for a long time)

- Close the gas valve, remove the battery.
- Attach the gas inlet cap to protect from dirt.
- Check any damage to the heater and pack in a carton. Do not store in a place where moisture or dirt may affect the heater.

## MAINTENANCE

### ⚠ CAUTION

Be careful of sharp edges.



### REQUEST

Do not use cleaning cloth, thinner, benzine, acid or alkaline detergent.  
This will avoid discoloration of the paint and plastic components.

### MAINTENANCE OF THE HEATER OUTER JACKET

Keep heater clean.

- Use damp soft cloth to wipe.  
Use mild soapy water for severe dirt.

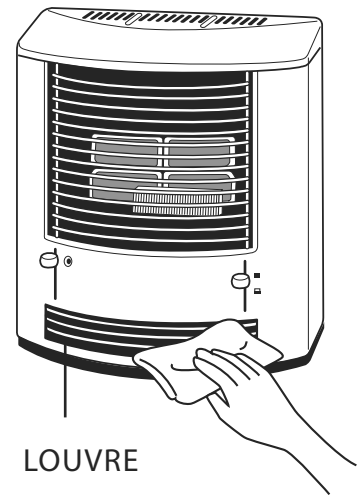
## MAINTENANCE OF THE LOUVRE

- Use vacuum cleaner to remove dirt on the Louvre. Make sure that fan is not working before cleaning.
- White powder may form on the Louvre. Wipe off with soft cloth.

### ⚠ CAUTION

Do not press the Louvre heavily, Do not apply strong pressure to the Louvre.

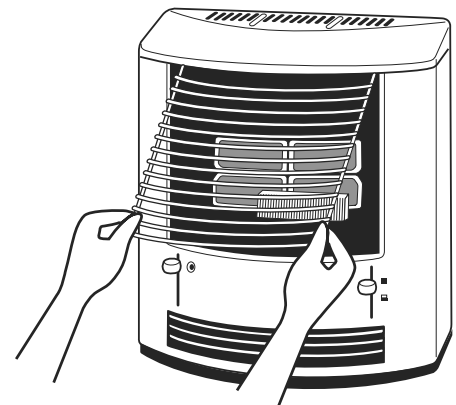
→ The Louvre may break causing discolouration of the floor or carpet due to the change in heat discharge.



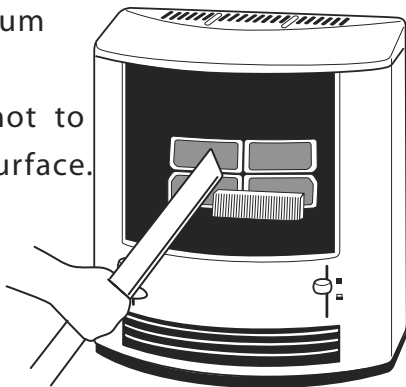
## MAINTENANCE OF THE RADIANT PLATE AND REFLECTION PLATE

To Remove the Guard, slightly press upward and then pull forward.

To Refit the Guard, place the upper end onto the notch and then place the bottom end onto the holes in the Reflection Panel.



- Remove dirt with a vacuum cleaner. Be careful not to scratch the surface.



- Wipe off dirt on the Reflection Panel using dry cloth. Use mild soapy water for severe dirt. Be careful—the edge of the Reflect Panel is sharp.



# TROUBLE SHOOTING

CHECK AS BELOW

Fault	Cause and Remedy
<ul style="list-style-type: none"> <li>● Does not ignite</li> <li>● Flame goes off during operation</li> <li>● Radiant Panel does not glow enough.</li> </ul>	<ul style="list-style-type: none"> <li>● Ignition procedure is incorrect.</li> <li>● Burner flame port is clogged.</li> <li>● Safety Device is working.</li> <li>● LP gas is running low (in case of LP Gas Units).</li> <li>● Gas Valve is not fully opened.</li> <li>● Air remains in the hose.</li> </ul>
<ul style="list-style-type: none"> <li>● Room does not become warm enough.</li> </ul>	<ul style="list-style-type: none"> <li>● Burner flame port is clogged.</li> <li>● Window or door is opened.</li> <li>● Gas Valve is not fully opened.</li> <li>● Obstruction in front of the heater.</li> <li>● Room size does not match with heater capacity.</li> </ul>
<ul style="list-style-type: none"> <li>● Flame or soot discharge from the Radiant Panel.</li> <li>● Abnormal combustion noise.</li> </ul>	<ul style="list-style-type: none"> <li>● Burner flame port is clogged.</li> </ul>
<ul style="list-style-type: none"> <li>● Gas smell.</li> </ul>	<ul style="list-style-type: none"> <li>● Burner flame port is clogged.</li> <li>● The hose is not securely connected.</li> <li>● The hose is damaged.</li> </ul>

Call for a service if any problems other than those described below are observed or if the problem persists after taking remedial action.

**THE FOLLOWING IS NOT A FAILURE**

Problem	Cause and Remedy
It does not ignite when using first time in the season, when not used for a long time or when the hose is re-connected.	Repeat ignition procedure until it ignites to purge the air in the hose.
Soot or Gas odour comes out when using first time in the season or when not used for a long time.	Oil or dirt trapped in the heater are burnt. Operate the heater while ventilating the room . Paint or floor wax could smell due to being heated.
Ignition and shut down makes "Bop" noise.	It is a normal operation noise.
The heater makes hissing noise.	This is normal gas flow noise.
Metal noise is heard after ignition or heater is turned off.	It is a normal noise caused by the expansion or contraction of metal panels.

**WHEN SAFETY DEVICES OPERATE**

If heater ceases operation while in use, lift the Ignition Lever and close the gas valve. Then refer to TROUBLE SHOOTING section.

● **Tilt Switch**

The heater shuts off the gas supply automatically when the heater is jolted or knocked over. To restore supply, stand the heater up and follow the ignition procedure.

● **Oxygen Depletion Safety Device**

If the room is not well ventilated, this device automatically shuts off the gas supply to heater.

Lift up the Ignition Lever and re-ignite after providing adequate ventilation.

● **Flame Failure Safety Device**

The heater shuts off the gas supply automatically in the event of a flame failure.

Lift up the Ignition Lever and re-ignite after ventilating the room.

# SERVICING AND WARRANTY

## SERVICING

When calling  
for a service.

Re-check the problem referring to TROUBLE SHOOTING  
section before calling for a service.

☆The Service  
department needs  
the following information.

- Model No. on the rating plate
- Your problem, address, telephone No
- Problem you have
- Date of purchase and gas type

## WARRANTY INFORMATION

	FREE LABOUR PERIOD	FREE PARTS PERIOD
COMBUSTION CHAMBER	3YEARS	10YEARS PRO RATA(*)
ALL OTHER PARTS	3YEARS	3YEARS

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

Please note: general cleaning, maintenance and wear and tear are not  
covered by the guarantee. Calls of this nature will be chargeable.

**Raypak Australia Pty Ltd.**  
**39 Koornang Road. Scoresby**  
**VIC 3179**  
**PH : 03 9757 3333 FAX : 03 9757 3350**

When the gas type changes.

Call for a service. Gas conversion is not covered by warranty even if it is in the  
warranty period.

Manufacturing Date  
Refer to the rating plate.

