

# ILLusion

Gas Log Fires



HEAD OFFICE 145 SOUTH GIPPSLAND HWY DANDENONG STH. VICTORIA AUSTRALIA 3175  
PH: 03 9793 7520 FAX: 03 9793 7530 Email sales@illusionfires.com.au

[www.illusionfires.com.au](http://www.illusionfires.com.au)

OWNERS INSTRUCTION & INSTALLATION MANUAL. PLEASE KEEP FOR FUTURE REFERENCE

## MODELS: LCSII – LUMINAR SERIES



Your new ILLusion LUMINAR Series Gas Log Fire was designed and manufactured in Australia.

THE LUMINAR RANGE CAN BE INSTALLED IN SUITABLY CONSTRUCTED TIMBER OR METAL ENCLOSURES OR EXISTING FIREPLACES AS PER THE MANUFACTURERS INSTRUCTIONS. PLEASE READ AND UNDERSTAND THE INSTALLATION INSTRUCTIONS BEFORE COMMENCING TO INSTALL

***THIS GAS LOG FIRE IS SUPPLIED WITH A PRIMARY GUARD FOR YOUR PROTECTION.  
THE PRIMARY GUARD MUST BE FITTED WHEN THE UNIT IS OPERATING  
THE GLASS FRONT OF THE APPLIANCE IS EXTREMELY HOT WHEN THE UNIT IS RUNNING AND  
SEVERE BURNS MAY RESULT THROUGH CONTACT WITH THE GLASS IF THE PRIMARY GUARD IS  
NOT FITTED. ADDITIONALLY A SECONDARY FIRE SCREEN MAY BE APPROPRIATE WHEN SMALL  
CHILDREN OR THE INFIRM ARE IN THE VICINITY OF THE APPLIANCE.***

These appliances have been tested and approved in accordance with Australian Standards for installation and operation as described in this manual and have been Certified by **IAPMO OCEANA**

### **WARNING:**

***All Illusion Gas Log Appliances MUST be installed and serviced by an authorised technician.  
Unauthorised installation, service or maintenance may cause a hazardous situation.***

Your new ILLusion Luminar Series Gas Log Fireplace is the latest from Australia's best loved Gas Log Fireplace manufacturer. The combination of innovative features designed for Australian conditions and a genuine open fire appearance with the safety of a full ceramic glass front ensures this appliance is *the Ultimate in Gas Log Fireplaces*.

The ILLusion Luminar Gas Log Fireplace provides you with continuous warmth, and the traditional charm of an open fire, without the hard work generally associated with a wood fuelled appliance.

Safe and economical, you can rest easy knowing that every ILLusion Gas Log Fireplace has been fully tested and approved to **Australian Standards**.

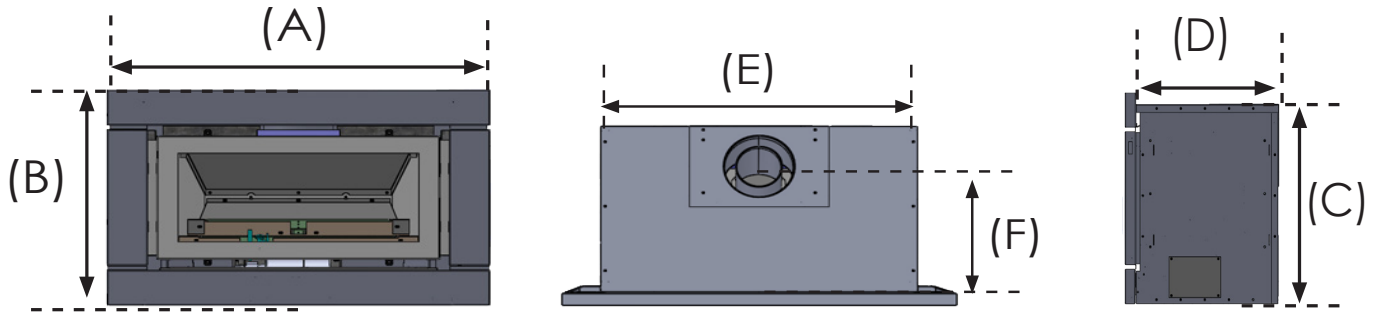
NOTE: ILLUSION LUMINAR SERIES GAS LOG FIREPLACES ARE DESIGNED TO BE INSTALLED IN A SUITABLY CONSTRUCTED WALL, FIREPLACE FACADE OR CHIMNEY. THESE UNITS MUST ONLY BE INSTALLED BY AN AUTHORISED INSTALLER IN ACCORDANCE WITH AUSTRALIAN STANDARDS.

## TABLE OF CONTENTS

PAGE	DESCRIPTION
3	DIMENSIONS ALL LUMINAR MODELS
4.	INSTALLATION INSTRUCTIONS
5.	LUMINAR INBUILT INSTALLATION
6.	LUMINAR STAND ALONE INSTALLATION
7.	SPECIFICATIONS / CONNECTIONS / ABNORMAL OPERATION
8.	LIGHTING INSTRUCTIONS
9.	CONTROL IDENTIFICATION-PRIMARY GUARD AND DOOR REMOVAL
10.	INSTALLER NOTES & SAFETY INFORMATION
11.	FITTING THE LOGS
12.	FITTING THE LOGS
13.	FITTING THE PEBBLES
14	FITTING THE PEBBLES
15	PRESSURE TESTING
16.	MAINTENANCE AND SERVICING
17.	INSTALLATION OF FASCIA'S AND TRIMS
18	THERMOSTATICALLY CONTROLLED FAN
19.	REMOTE CONTROLLER
20.	TROUBLESHOOTING
21.	ILLUSION CONTACT DETAILS

## DIMENSIONS Luminar Inbuilt

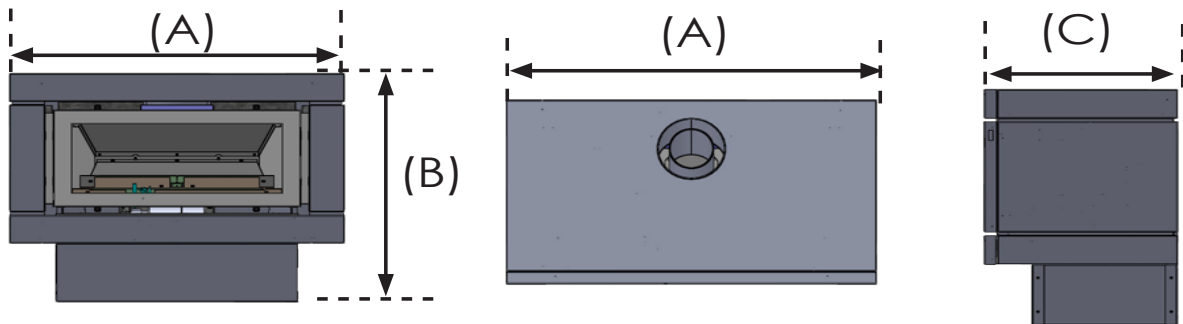
ALL DIMENSIONS IN MILLIMETRES



External dimensions for all Luminar Inbuilt Gas Log Fires (All dimensions in millimeters)

Luminar MODEL	Width(A)	Height (B)	Height of Rear Casing (C)	Depth Of Rear Casing (D)	Width Of Rear Casing (E)	Depth to Flue Centre from Fascia Front - Vertical Flue model (F)
LC-1000i	845 (Fascia)	525 (Fascia)	490	415	685	320
LC-2000i	945 (Fascia)	565 (Fascia)	535	415	785	320
LC-3000i	1045 (Fascia)	610 (Fascia)	575	415	885	320
LC-4000i	1410 (Fascia)	595 (Fascia)	570	415	1250	320

## DIMENSIONS Luminar Stand Alone



External dimensions for all Luminar STAND ALONE Gas Log Fires (All dimensions in millimeters)

Luminar MODEL	Width(A)	Height (B)	Height of Rear Casing (C)	Depth (D)
LC-1000F	Width 845	Height 725 (Inc. Pedestal)	n/a	470 (Overall)
LC-2000F	Width 945	Height 745 (Inc. Pedestal)	n/a	470 (Overall)
LC-3000F	Width 1045	Height 785 (Inc. Pedestal)	n/a	470 (Overall)

## IMPORTANT

The installation of any ILLusion Gas Log Appliance **must** be performed only by authorised personnel and in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, AS 5601 Gas Installations and any other statutory regulations. Please read these instructions carefully before proceeding.

## PRIOR TO INSTALLATION

It is highly recommended that the installation of any ILLusion Gas Log appliance is **planned on paper** before installation begins. This will ensure correct performance of the unit and eliminate potential problems.

Your ILLusion sales representative can advise on the best position to maximize the performance of the appliance.

In most cases, an **Authorised ILLusion Installer** can be arranged to install the unit, however if this is not possible, a suitably **qualified gas fitter** must be used. These appliances are **not** designed to be installed by the homeowner.

## **INSTALLATION INSTRUCTIONS**

NOTE THAT THIS GAS APPLIANCE MAY ONLY BE INSTALLED BY AN AUTHORISED PERSON. CONTACT YOUR DEALER TO ARRANGE INSTALLATION.

### **INSTALLATION PROCEDURE**

#### **INSTALLERS CHECKLIST**

1. **IMPORTANT:** BEFORE COMMENCING THE INSTALLATION, ESTABLISH THE OPTIMAL POSITION FOR THE APPLIANCE WITH REGARD TO:  
**CLEARANCE FROM COMBUSTIBLE MATERIALS, POSSIBLE OBSTRUCTIONS WITHIN THE ROOF CAVITY OR CHIMNEY, ACCESSIBILITY FOR FUTURE SERVICING, ETC:**

#### 2. **APPLIANCE & COMPONENT INSPECTION**

Remove the APPLIANCE CARTON and other packaging. Inspect the appliance thoroughly to ensure it has not been damaged in transit. Set aside the carton containing the log kit. Check to see that the correct kit is supplied. Open the FLUE KIT carton and check to see all components are supplied including the flue lengths, outer casing, mounting brackets & gas cowl. Ensure that the correct flue kit for your model has been supplied.

### **IMPORTANT:**

THE MINIMUM FLUE DIMENSIONS REQUIRED FOR THESE UNITS ARE AS FOLLOWS:

**MINIMUM DIAMETER OF ACTIVE FLUE ALL MODELS IS 100MM. A STAINLESS STEEL FLUE PIPE IS USED FOR THE FIRST LENGTH OF ACTIVE FLUE PIPE. GALVANISED FLUE PIPE IS USED FOR SUBSEQUENT LENGTHS . THE MINIMUM OVERALL HEIGHT OF THE FLUE SYSTEM WHEN INSTALLED IS 2.7 METRES (VERTICAL FLUE EXIT MODELS) (NOT INCLUDING GAS COWL ASSEMBLY) THE RECOMMENDED MAXIMUM FLUE HEIGHT IS 4.5 METRES (VERTICAL FLUE EXIT MODELS) ONLY THE APPROVED GAS COWL ASSEMBLY AS TESTED WITH THE APPLIANCE MAY BE USED WITH THESE APPLIANCES.**

**NOTE: These appliances are designed to be installed with a vertical flue for maximum performance. FLASHING (IF REQUIRED) IS NOT INCLUDED AND MUST BE SUPPLIED BY THE INSTALLER.**

3. **POSITION THE HEATER.**  
(ASSUMES THAT AREA IS READY FOR THE UNIT.)

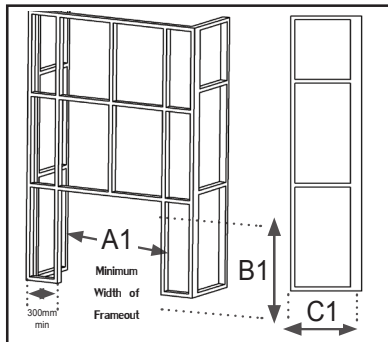
Place the heater in the required position as determined in section 1 (above).

Determine where the gas supply will be accessed.

Mark the gas pipe entry point on the wall or floor, (See DIMENSIONS page 3) and cut the hole(s).

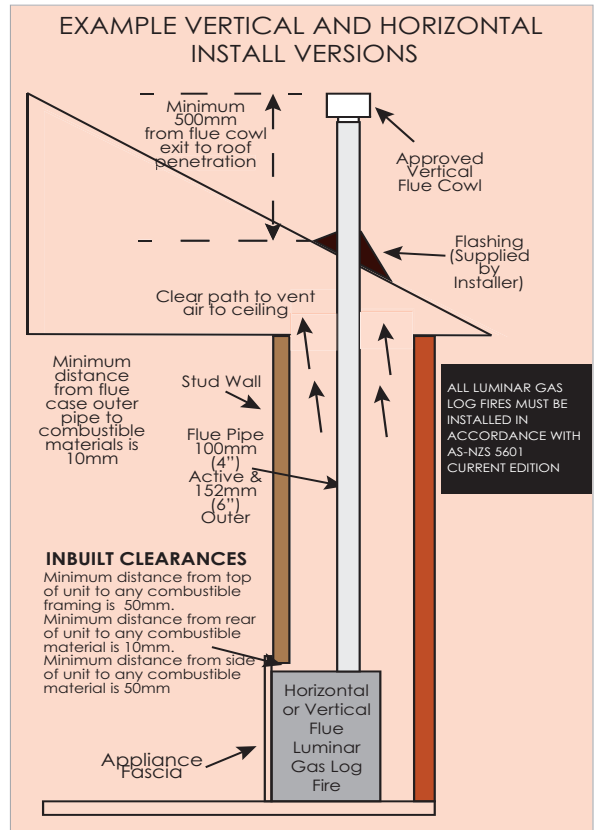
**NOTE:** It is highly recommended that a gas supply shut off valve be fitted to the gas inlet pipe outside the building in an easily accessed position to enable the gas to be shut off in an emergency. This also makes it possible to keep the gas supply connected to the rest of the home whilst fitting the pipe to the back of the heater prior to connecting gas to the appliance.

## LUMINAR INBUILT INSTALLATION



Model	A1	B1	C1
1000	765mm	540mm	440mm
2000	865mm	585mm	440mm
3000	965mm	635mm	440mm
4000	1330mm	620mm	440mm

The Illusion Luminar Gas Log Fires have been designed for simple installation through an existing wall (external or internal). They can also be installed into a purpose built enclosure or an existing suitably large chimney. The diagram at left shows an example of an enclosure which would attach to an existing internal wall. The enclosure can be plastered or faced with a variety of materials including tiles or stone and other decorative masonry products. The enclosure should be a minimum of 300mm wider than the hole cut out. Check with your dealer for more detailed information.



Plaster cut out sizes. (Suits Standard fascia)

**IMPORTANT:** If an inbuilt unit is installed at floor level, or up to 600mm from the underside of the appliance door, a hearth should be used for a distance of 400mm in front of the appliance. The appliance should be installed 600mm or more from the floor if no hearth is used.

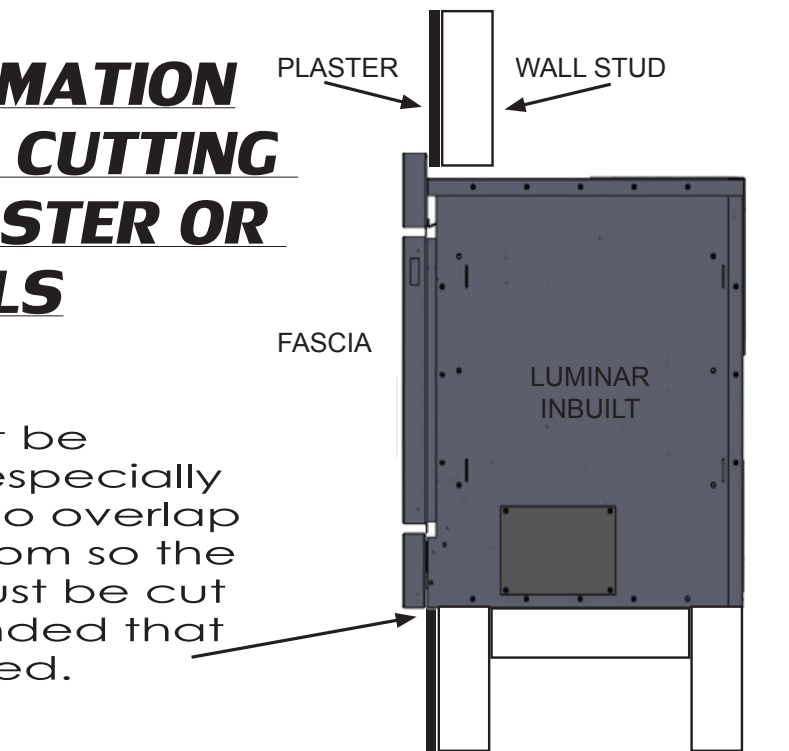
Luminar Model	PLASTER CUTOUT HEIGHT (MUST BE ACCURATE)	PLASTER CUTOUT WIDTH	MIN. DEPTH OF FRAMEOUT
1000	510mm	705mm	450mm
2000	555mm	805mm	450mm
3000	595mm	905mm	450mm
4000	590mm	1270mm	450mm

All dimensions for the Illusion Luminar series of Gas Log Fires are correct at the time of printing. It is always advisable to check dimensions and clearances with your Illusion dealer before commencing installation thus avoiding potential problems during the installation.

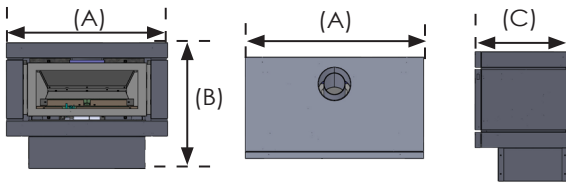
## **INSTALLER INFORMATION** **READ THIS BEFORE CUTTING** **ANY HOLES IN PLASTER OR** **OTHER WALLS**

### **IMPORTANT!**

The plaster cut out must be straight and accurate, especially at the bottom. There is no overlap of the fascia at the bottom so the bottom plaster edge must be cut carefully. It is recommended that a plaster trim strip be fitted.



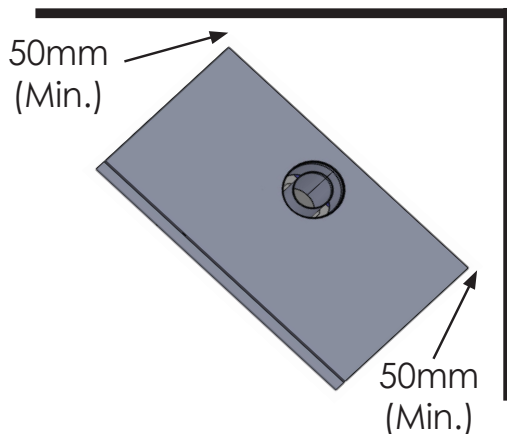
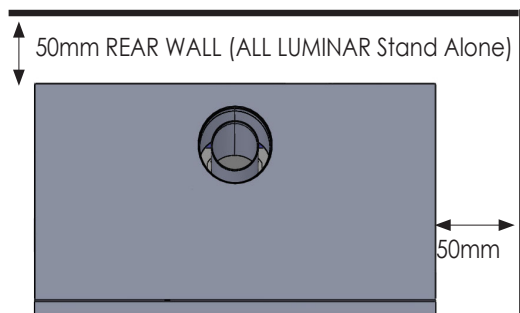
## LUMINAR STAND ALONE INSTALLATION



### Stand Alone Clearances

The diagrams below show examples of stand alone Luminar installs with respect to clearances from combustible materials ie: walls. The minimum distance from the REAR of all Luminar Stand Alone models to any combustible surface is 10mm. The minimum distance from the SIDES of all Luminar Stand Alone models is 100mm.

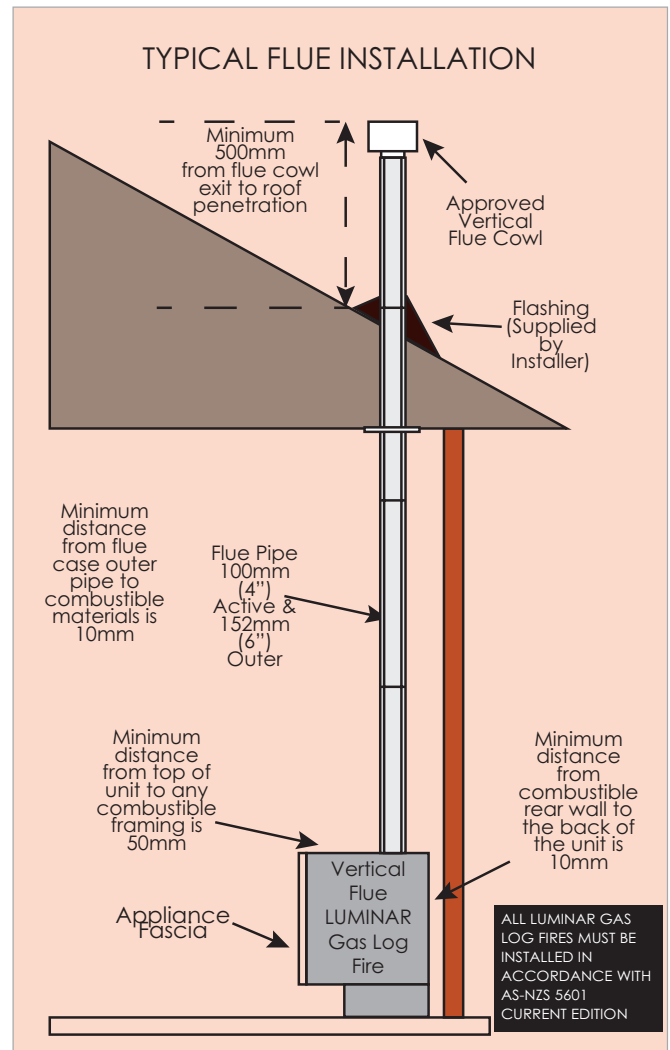
The minimum distance from the REAR CORNERS to combustible walls in a 45 degree corner install is 10mm.



Example Corner Install (ALL LUMINAR Stand Alone)

The Illusion Luminar STAND ALONE Gas Log Fires have been designed for simple installation with the approved balanced flue provided. The minimum flue height is 2.7m, the maximum recommended flue height is 4.5m. Most installations will use the standard flue height of 3.6m.

**Illusion Luminar gas log fires must only be installed by an authorised gasfitter.**



*All dimensions for the Illusion Luminar series of Gas Log Fires are correct at the time of printing. It is always advisable to check dimensions and clearances with your Illusion dealer before commencing installation thus avoiding potential problems during the installation.*

## IMPORTANT NOTE TO INSTALLER

- Caution:**
- Check the appliance before leaving.
  - Check that logs or pebbles are correctly located. Incorrect location of logs or pebbles will affect combustion and may cause sooting.
  - Check the gas pressure.
  - Light the appliance and check for flame abnormalities on both high and low flame settings. Flames should not lift off the burner ports. Allow the unit about 5 minutes to warm up then if the flames are lifting from the burner ports it may be necessary to adjust the gas pressure on the gas valve.



Manufactured by Illusion Australia Pty. Ltd. 145 Sth. Gippsland Hwy Dandenong  
 Sth. 3175 Victoria Australia  
 Phone: 613 9793 7520 Fax: 613 9793 7530

**Specifications** The dimensions, capacities, ratings etc quoted here are correct at the time of writing but may be subject to change. Please check with your dealer before commencing any building works or installations of these appliances.

MODEL	GAS TYPE	MJH	INJECTOR SIZE	PRESSURE HIGH	PRESSURE LOW	GAS TYPE	MJH	INJECTOR SIZE	PRESSURE HIGH	PRESSURE LOW
Luminar LC-1000	NAT	20	2.1	.85	.39	LPG	16	1.3	1.8	1.23
Luminar LC-2000	NAT	26	2.35	.85	.40	LPG	25	1.6	1.6	1.10
Luminar LC-3000	NAT	32	2.6	.90	.47	LPG	30	1.8	1.6	0.65
Luminar LC-4000	NAT	39	3.05	.75	.30	LPG	39	2.0	1.7	0.77

ELECTRICAL COMPONENTS CONFORM TO AS 3100 240V 50HZ 60 WATTS

## NATURAL Gas Connection

The connection is made using gas pipes with Rp1/2 ISO 7 threading. Torque: 25Nm  
 If, alternatively, flanges are used, first screw the pipes on to the flanges and then the flanges to the valve. Recommended torque for the flange fixing screws: 3Nm.

**It is recommended that an Approved and certified shutoff valve be fitted between the incoming gas line and the appliance to enable the gas supply to the appliance to be shut off independantly from the mains gas supply.**

**Caution: After making the connections, check gas tightness. CHECK AND SET APPROPRIATE GAS PRESSURE USING ABOVE CHART FOR NATURAL GAS ONLY**

## LIQUID PROPANE Gas Connection

The connection is made using gas pipes with Rp1/2 ISO 7 threading. Torque: 25Nm  
 If, alternatively, flanges are used, first screw the pipes on to the flanges and then the flanges to the valve. Recommended torque for the flange fixing screws: 3Nm.

**It is recommended that an Approved and Certified shutoff valve be fitted between the incoming gas line and the appliance to enable the gas supply to the appliance to be shut off independantly from the mains gas supply.**

**Caution: After making the connections, check gas tightness. CHECK GAS PRESSURE USING ABOVE CHART FOR LIQUID PROPANE GAS ONLY.**

## ABNORMAL OPERATION

**THE FOLLOWING INDICATES SITUATIONS OF ABNORMAL OPERATION OF THE APPLIANCE. WHEN THE APPLIANCE IS OPERATING :**

1. The flames appear excessively large and / or sooting occurs on the logs.
2. You can smell gas.
3. The flame pattern is inconsistent and appears to be lifting off the burner.
4. You can smell the products of the flue within the room in which the appliance is installed. (May be an indication of a blocked flue)

**If any of the above situations occur, turn the appliance off, and contact your supplier or installer immediately. If you can smell gas, turn the gas off at the mains and call the appropriate authority. Always call from outside the building from a neighbors, or with a mobile phone.**

## LIGHTING INSTRUCTIONS

### **CAUTION: HOT WHILE OPERATING.**

**DO NOT TOUCH. KEEP CLOTHING, CHILDREN AND FURNITURE AWAY.**

**KEEP BURNER AND CONTROL COMPARTMENT CLEAN AND FREE FROM LINT, DUST ETC.**

This appliance shall be installed only by authorised personnel and in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, AS 5601/AG 601 - Gas Installations and any other statutory regulations. NEVER ATTEMPT TO LIGHT THE APPLIANCE IF YOU CAN SMELL GAS. IF IN DOUBT, CONTACT YOUR GAS SUPPLIER, APPLIANCE INSTALLER AND OR ILLusion SERVICE DEPARTMENT FROM A NEIGHBOURS HOME. IF YOU CAN SMELL GAS, DO NOT USE MOBILE PHONES OR ANY ELECTRICAL APPLIANCE, OR ELECTRIC SWITCH IN THE BUILDING.

This appliance incorporates a live fuel effect, which is designed to operate with luminous flames and may exhibit slight carbon deposition.

FIGURE 1.

### **PILOT FLAME IGNITION**

Depress and turn the control knob to the "PILOT" position.

Depress the button and ignite the pilot flame (by pressing the red igniter button) while keeping the knob fully depressed for a few seconds. (Fig. 1).

Release the knob slowly and check that the pilot flame stays lit. If it goes out, repeat the ignition operation.



### **MAIN BURNER IGNITION**

Turn the HI-LO control knob to HI.

Depress and turn the control knob to the "ON" position. (Fig. 2)

When the automatic solenoid valve is energized, gas passage to the main burner is opened.

FIGURE 2.



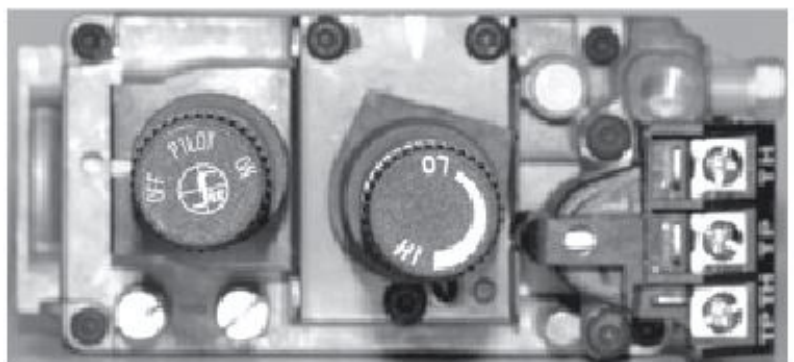
### **PILOT POSITION**

To keep the main burner closed and the pilot flame lit, depress and turn the control knob to the "PILOT" position.

FIGURE 3.

### **TURNING OFF.**

Depress and turning the control knob to the "OFF" position Fig. 3)



### **CAUTION:**

The restart interlock device prevents ignition of the appliance until the flame failure has stopped gas flow. At the end of this period it is possible to carry out the re-ignition operation.

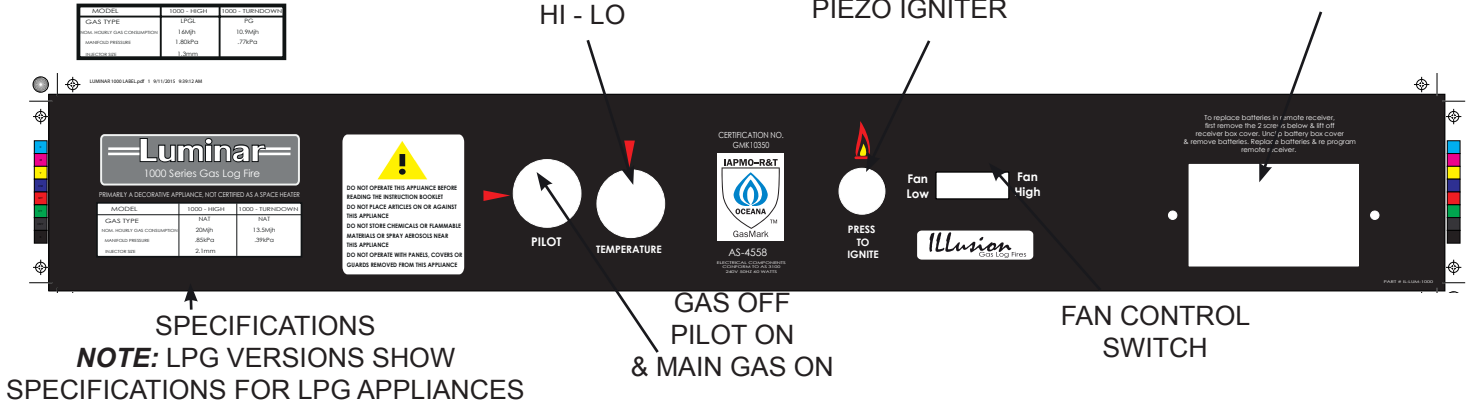


## CONTROL IDENTIFICATION

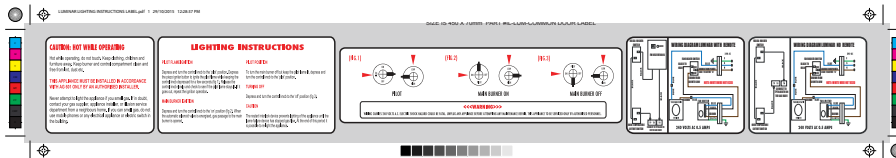
FLAME CONTROL  
HI - LO

PUSH BUTTON  
PIEZO IGNITER

REMOTE  
CONTROL SWITCH



## LIGHTING INSTRUCTIONS WIRING DIAGRAM & WARNING LABELS



## PRIMARY GUARD

THIS GAS LOG FIRE IS SUPPLIED WITH A PRIMARY GUARD FOR YOUR PROTECTION. THE PRIMARY GUARD MUST BE FITTED WHEN THE UNIT IS OPERATING. THE GLASS FRONT OF THE APPLIANCE IS EXTREMELY HOT WHEN THE UNIT IS RUNNING AND SEVERE BURNS MAY RESULT THROUGH CONTACT WITH THE GLASS IF THE PRIMARY GUARD IS NOT FITTED. ADDITIONALLY A SECONDARY FIRE SCREEN MAY BE APPROPRIATE WHEN SMALL CHILDREN OR THE INFIRM ARE IN THE VICINITY OF THE APPLIANCE.

### REMOVAL FOR SERVICING.

To remove the primary guard and door trim or to access the Main Door for removal, simply lift the trim guard upwards then out towards you. It has 4 tabs which lock into 4 slots. To replace it, fit the bottom tabs into the slots first, then the top tabs into the top slots and push down to lock into place. (HINT Make sure the door Allen head bolts above and below the door are tight before trying to remove or replace the door trim guard. This will make it much easier to to remove or re-fit)

## DOOR REMOVAL

To remove the Main door to access the gas components for servicing, first remove the door trim guard as above.

Make sure the door Allen head bolts above and below the door are tight before trying to remove the door trim. Then lift the door guard trim at the base out towards you as explained above.

Now remove the four Allen head bolts that secure the door, Remove the door and set aside.

## SAFETY INFORMATION

1. These appliances must be installed in accordance with the regulations, municipal building codes and AS 5601 'GAS INSTALLATIONS'
2. Only an Authorised person should install the appliance.
3. This appliance should be inspected prior to installation and the dealer contacted if any problems arise.
4. This appliance must be installed with an approved flue system, which terminates outside the building. A flue system must never terminate within the roof cavity.
5. The unit should be checked periodically for lint. The fan area especially is prone to lint build up during normal operation. Keep the area around the appliance clean and free from lint.
6. Only persons familiar with the operation of the unit should use the heater.
7. Do not modify or adjust the heater. Always contact your ILLusion dealer if any problems arise.
8. Annual service by an Authorised service person will ensure trouble free operation for many years.
9. This Gas heater is not designed to burn solid fuels. **NEVER** use paper, wood or any other fuel in this appliance.
10. Keep the immediate area around the heater free from any combustible materials: i.e.: aerosols, or other flammables.
11. If you smell gas whilst the unit is operating, immediately shut down the unit and turn the gas off at the supply shut off valve, or the main meter. Contact Illusion or your local gasfitter.



**DO NOT ATTEMPT ANY REPAIRS ON THE HEATER YOURSELF. ONLY AN AUTHORISED GASFITTER MAY REPAIR OR ADJUST THE HEATER ACCORDING TO THE MANUFACTURERS INSTRUCTIONS.**

**DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.  
DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.  
DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**

**CERTIFIED UNDER AS 4558 - NOT CERTIFIED AS A SPACE HEATER.**

### PAINT CURING

SOME SURFACES OF YOUR ILLUSION GAS APPLIANCE HAVE BEEN FINISHED WITH HEAT RESISTANT PAINT. OTHER SURFACES ARE POWDER COATED. PLEASE NOTE THAT THE INITIAL FIRING OF THE UNIT MAY PRODUCE SOME SMOKE AND ODOUR AS THE PAINT ON THE FIREBOX CURES. **TO ENABLE CURING, THE UNIT MUST BE RUN ON LOW WITH THE FAN ON LOW FOR APPROX. 3 - 4 HOURS. IT IS ADVISABLE TO KEEP WINDOWS AND DOORS OPEN DURING THIS PERIOD IF POSSIBLE.**

**WARNING: DO NOT USE LOGS OTHER THAN THOSE SUPPLIED BY THE MANUFACTURER OR A HAZARDOUS SITUATION MAY RESULT.**

**WHEN INSTALLING LOGS, ENSURE THAT BURNER HOLES ARE NOT BLOCKED.**

Obstructing any of the burner holes may result in poor performance and can cause sooting to occur.

**CAUTION: LOGS ARE FRAGILE. PLEASE TAKE CARE WHEN INSTALLING**

## FITTING INSTRUCTIONS FOR LOGS

**NEVER FIT LOGS OR PEBBLES OTHER THAN THOSE SUPPLIED WITH THE APPLIANCE OR A HAZARDOUS SITUATION MAY RESULT. BROKEN OR DAMAGED LOGS OR PEBBLES MUST BE REPLACED WITH THE CORRECT PART. CONTACT YOUR NEAREST ILLUSION DEALER FOR MORE INFORMATION.**

Fit the logs as shown in the photos below. Always start at the rear, then the middle, then the front. The logs have holes to correspond with the pins near the burners.



Empty firebox with door removed ready to fit the logs.



Fit the large rear number 1 log first.



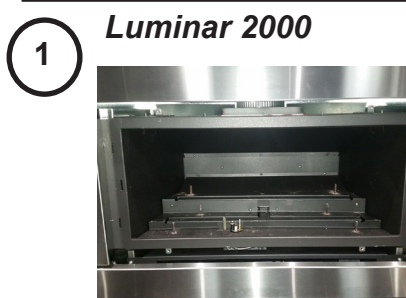
Fit the long number 2 log next on the middle row



Next fit either the lhs (number 3) or rhs (number 4) log to the front.



Fit the remaining log over the pins and the logset is complete!



Empty firebox with door removed ready to fit the logs.



Fit the rear number 1 log first.



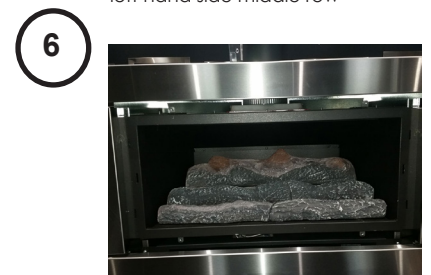
Fit the number 2 log next on the left hand side middle row



Fit the number 3 log next on the rhs of the middle row.



Now fit the number 4 log on the lhs of the front row



Finally, fit the number 5 log on the rhs of the front row to complete the logset.



## FITTING INSTRUCTIONS FOR LOGS (CONT.)

1

### Luminar 3000



Empty firebox with door removed ready to fit the logs.

2



Fit the large rear number 1 log first.

3



Fit the number 2 log next on the lhs of the middle row

4



Next fit the number 3 log to the rhs of the middle row

5



Now fit the number 4 log to the lhs of the front row

6



Finally, fit the number 5 log on the rhs of the front row to complete the logset.

1

### Luminar 4000



Empty firebox with door removed ready to fit the logs.

2



Fit the rear number 1 log first.

3



Fit the number 2 log next on the rhs rear

4



Fit the number 3 log next on the lhs of the middle row.

5



Now fit the number 4 log 2nd from the left on the middle row

6



Finally, fit the number 5 log 3rd from the left on the middle row

7



Fit the number 6 log next on the lhs of the front row.

8



Now fit the number 7 log in the middle of the front row

9



Finally, fit the number 8 log on the rhs of the front row to complete the logset.

## FITTING THE PEBBLES - LUMINAR

There are 3 types of Pebbles supplied, **SMALL ROUND**, **LARGE OVAL**, **LARGE IRREGULAR**. (See Images)

**WARNING: DO NOT USE PEBBLES OTHER THAN THOSE SUPPLIED BY THE MANUFACTURER OR A HAZARDOUS SITUATION MAY RESULT. WHEN INSTALLING PEBBLES, ENSURE THAT THE BURNER HOLES ARE NOT OBSTRUCTED.**

Obstructing any of the burner holes may result in poor performance.



**1** Start at the back row left, fitting one of the large irregular pebbles first, then one large oval shaped pebble, alternating as you go.

**2** Make sure to keep the pebbles clear of the burner ports and continue alternating between the irregular and oval pebbles.

**3** Don't worry too much about spacing between the pebbles yet. They can be adjusted once all of the pebbles have been fitted.



**4** Check as you go to ensure the burner ports are not obstructed by the pebbles.

**5** The completed back row should contain 7 of the irregular shaped pebbles and 6 of the oval pebbles.

**6** The middle row consists of the smaller oval pebbles. Fit 2 from the left side before the igniter, then 2 after the igniter as shown below.



**7** Continue fitting the small oval pebbles across the middle row.

**8** The completed middle row (below) contains 15 small oval pebbles.

**9** Check that the ignition crossover point (See below) and burner ports are not obstructed.



**10** Adjust the spacing of the small pebbles in the middle row until they are relatively evenly spaced. Keep the ignition area clear.

**11** Start the bottom row, fitting the large irregular pebbles between the bars on the grate.

**12** Continue fitting the large irregular pebbles. The completed bottom row contains 11 of the large irregular pebbles.



## COMPLETED PEBBLES



## PRESSURE TESTING

**IMPORTANT: IF THE APPLIANCE CANNOT BE ADJUSTED TO OPERATE CORRECTLY, CONTACT YOUR SUPPLIER AND DO NOT OPERATE THE APPLIANCE UNTIL THE PROBLEM IS RECTIFIED.**

**PRESSURE TESTING:**

ENSURE THE HEATER IS ISOLATED FROM THE GAS SUPPLY BY CLOSING THE MANUAL SHUTOFF VALVE DURING ANY PRESSURE TESTING.

THE GAS VALVE REGULATOR CONTROLS MANIFOLD PRESSURE AND SHOULD BE CHECKED AT THE PRESSURE TEST POINT. (SEE BELOW)

NOTE: BOTH INLET AND MANIFOLD PRESSURES SHOULD BE CHECKED USING THE VALVE PRESSURE PORTS ON THE GAS VALVE.

**PROCEDURE:**

TURN VALVE TO “OFF” POSITION.

LOOSEN INLET PRESSURE POINT (5)

ATTACH MANOMETER TO INLET PRESSURE POINT (5)

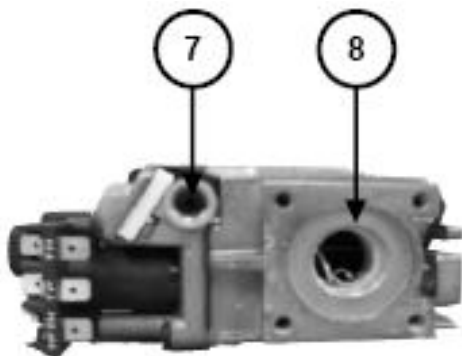
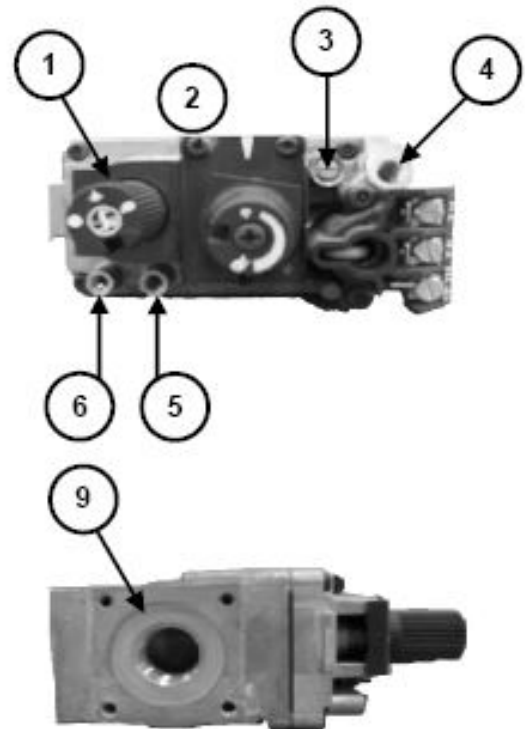
LIGHT THE PILOT (SEE LIGHTING INSTRUCTIONS)

TURN VALVE TO “ON”

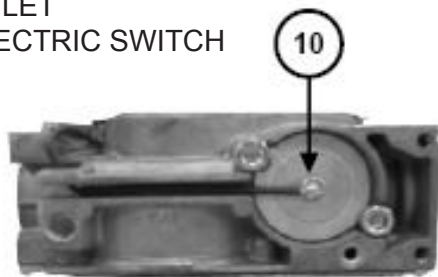
THE PRESSURE SETTING MUST BE WITHIN THE LIMITS SPECIFIED ON THE COMPLIANCE PLATE LOCATED ON THE INSIDE OF THE CONTROL DOOR.

### S.I.T GAS VALVE: MODEL 820 NOVA mV

1. GAS COCK KNOB
2. HIGH LOW ADJUSTMENT
3. PILOT BURNER ADJUSTMENT
4. THERMOCOUPLE CONNECTION POINT
5. OUTLET PRESSURE POINT
6. INLET PRESSURE POINT



7. PILOT OUTLET
8. MAIN GAS OUTLET
9. MAIN GAS INLET
10. THERMO ELECTRIC SWITCH



## MAINTENANCE

### ANNUAL SERVICE SHOULD BE PERFORMED ONLY BY AN AUTHORISED ILLusion INSTALLER OR GAS FITTER.

- 1) Clean the burner and control compartment of lint and house dust by brushing and Vacuuming at least once a year. When cleaning the logs, use a soft clean brush as the logs are fragile and easily damaged.  
During the annual service the burner should be inspected and cleaned.
- 2) When unit is cold, wipe surfaces with a damp cloth. Do not use abrasive cleaners. Parts of the appliance are painted with a heat resistant paint. To retouch, refer to manufacturer.
- 3) Check the flames periodically. The flames should be steady and not lifting off the burner holes. The logs should not have any sooting (black areas). If there is a problem, call an authorised gas fitter or your local dealer.
- 4) The appliance and flue system must be inspected by an authorised person before using and at least annually. The burner should be inspected and cleaned if required.
- 5) Keep the area near the appliance clear and free from combustible materials, gasoline aerosols, and other flammable vapours and liquids

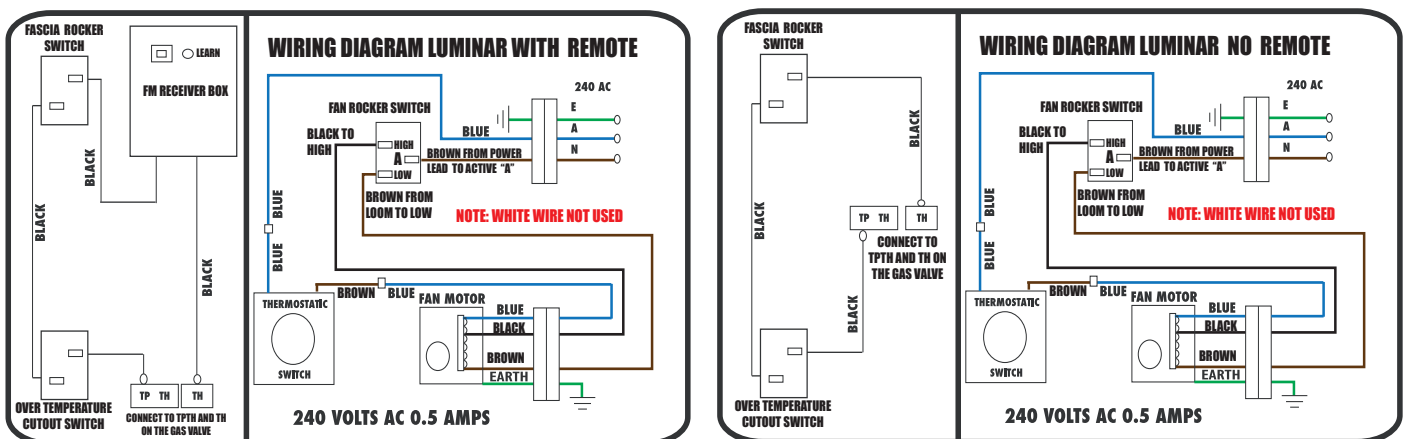
### Replacing Logs

The unit should never be used if the logs, coals or rocks are broken. Always turn the gas valve off before servicing and allow the unit to cool before handling any parts. Remove logs carefully.

Any parts should only be replaced by an Authorised person.

Note: Improper positioning of logs/coals/rocks may create soot build up and carbon monoxide, which will affect appliance performance. Improper or altered positioning may void your warranty.

## WIRING DIAGRAM



## THERMOSTATICALLY CONTROLLED FAN

Your new Gas Log Fire is fitted with a THERMOSTATICALLY CONTROLLED fan.

### EXPLANATION

What this means is that other than initially setting the fan to the desired position, ie: Low or High, it will no longer be necessary to turn the fan on or off whilst the unit is operating.

### STARTUP

The new thermo switch will automatically turn the fan on when the heater has reached a predetermined temperature. This will usually be 5 to 10 minutes after the heater is turned on. It is important that the owner knows that there is nothing wrong with the heater, in fact it is much more convenient and energy saving method of operating the fan.

### SHUT DOWN

It will also shut down the fan 5 to 10 minutes after the heater is turned off, once the firebox has cooled sufficiently.

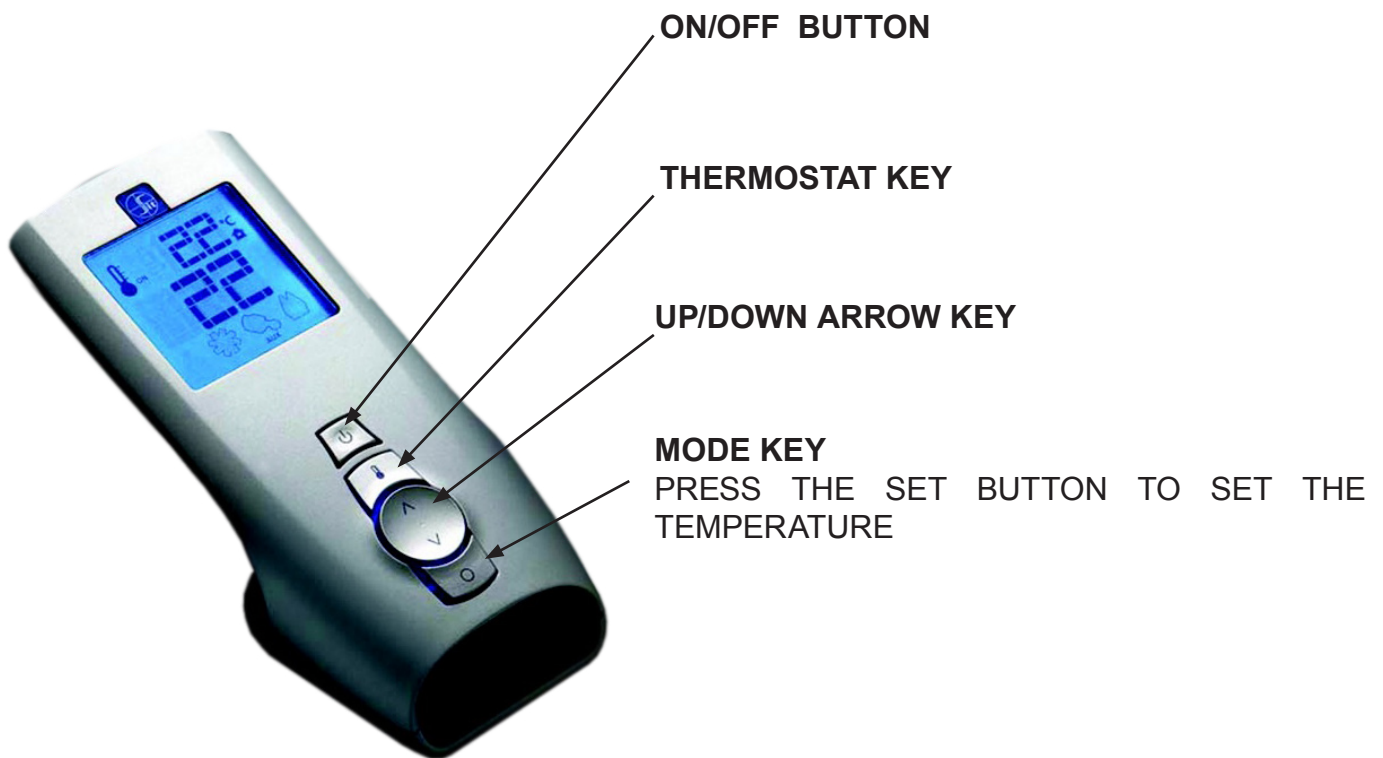
### REMOTE CONTROLLER OPTION

The above features apply even if the unit is fitted with a new **OPTIONAL** remote controller. If the remote control is used to turn the appliance on, the fan will startup when the unit reaches temperature (5 to 10 minutes). If the remote controller is used to turn the heater off, the fan will shut down when the heater has cooled. (5 to 10 minutes). If the remote control is set to turn off the appliance at a specified time, the fan will continue to operate until the firebox has cooled, again usually 5 to 10 minutes. The fans speeds can still be adjusted manually (Hi or Low) whilst the unit is operating.

## OPTIONAL PROFLAME GTM REMOTE CONTROL REFER TO THE PROFLAME INSTRUCTION MANUAL SUPPLIED

REMOTE CONTROL-SUPPLY VOLTAGE - 4.5V (3 X 1.5 AAA BATTERIES)  
RECEIVER SUPPLY VOLTAGE- 6.0V (4 X 1.5V AA BATTERIES)

TURN OFF THE MAIN GAS SUPPLY DURING INSTALLATION OR MAINTENANCE OF THE RECEIVER.



### **BATTERIES**

THIS REMOTE HAND UNIT USES 3 'AAA' BATTERIES THAT CAN BE CHANGED BY REMOVING THE REAR ACCESS COVER.

## TROUBLESHOOTING

- SYMPTOM.** •The pilot flame goes out.  
**POSSIBLE CAUSE.** •First check that the gas is on, usually with another appliance such as a gas stove.  
•The pilot sensor (Thermocouple) may be faulty.  
**SOLUTION.** • Contact your Dealer.
- SYMPTOM.** •The main burner flame goes out, but the pilot flame stays on  
**POSSIBLE CAUSE.** •If the unit has a remote control, check that temperature setting is appropriate.  
•The gas valve sensor (Thermopile) may be faulty.  
•\*\*\*Sometimes, fitting of other new appliances such as Instantaneous hot water systems, (**after the heater has been installed**) can affect the performance of the heater, particularly if the mains piping is undersized. In this case it may be necessary to have the mains piping re-sized. Contact your Dealer if you suspect this may be the case.
- SOLUTION** •Turn off the timer function if active. Relight the fire. If symptoms persist contact your Dealer.
- SYMPTOM.** •The heater turns off after about 30 minutes  
**POSSIBLE CAUSE.** •Check that the timer function is not active  
**SOLUTION** •The gas valve sensor (Thermopile) may be faulty. Contact your Dealer.
- SYMPTOM.** •The logs have a build up of black soot in some areas.  
**POSSIBLE CAUSE.** •Usually indicates incorrect positioning of logs if the unit has just been installed. If the unit has been installed for some time, the inspirator may require cleaning. Contact your Dealer.
- SOLUTION** •Re-position the logs as per instructions (See Contents)
- SYMPTOM.** •The unit rattles when the fan is on.  
**POSSIBLE CAUSE.** •Fan may need cleaning. Fan may be unbalanced.  
**SOLUTION** •If more than 12 months old general maintenance may be required, contact your Dealer
- SYMPTOM.** •There is a strong odour and some smoke coming from the unit when on.  
**POSSIBLE CAUSE.** •This usually only happens when the unit is lit for the first time.  
**SOLUTION** •Refer to PAINT CURING . (See Contents)
- SYMPTOM.** •The unit will not light beyond pilot flame.  
**POSSIBLE CAUSE.** •(A)The pilot, on-off button is not in position.  
•(B)The remote control is not switched to ON  
•(C)The batteries in the remote control are flat.  
•(D)The pilot flame is not reaching the thermopile. Gas pressure may be too low
- SOLUTION** •(A) Make sure the on off button on the unit is turning to HIGH.  
•(B) Press the ON button on the remote control  
•(C) Replace the batteries in the remote control.  
•(D) (See above\*\*\*)





## Illusion Gas Log Fires Dealer Contact List

### DANDENONG – NEW SUPERSTORE

145 South Gippsland Hwy, Dandenong

Phone: (03) 9793 7520

### EPPING

Shop 12/560 High St. VIC. 3076

Phone: (03) 8401 4225

### BALLARAT

845 Howitt St. Wendouree VIC .3355

Phone: (03) 5338 2586

### ADELAIDE

355 Main North Rd. Enfield, SA. 5084

Phone: (08) 8359 8300

### GEELONG

320 Melbourne Rd. North Geelong, Vic. 3215

Phone: 1300 966 343

### HOBART

88 Grove Rd. Glenorchy, Tas. 7010

Phone: (03) 6272 1476

### LAUNCESTON

63 Holbrook St. Invermay, Tas. 7248

Phone: (03) 6333 0858

Call our Head Office on (03) 9793 7520

Faxes should be sent to (03) 9793 6816

Call our Head Office on (03) 9793 7520

Faxes should be sent to (03) 9793 6816

**Illusion**  
Gas Log Fires

*ILLusion - Australian Made Gas Log Fires*

### Manufactured by

Illusion Australia Pty Ltd

Head Office and Showroom

145 Sth. Gippsland Hwy. Dandenong Sth. Victoria 3175 Australia

Telephone: +61 3 9793 7520 Fax: +61 3 9793 6816

email: [service@illusionfires.com.au](mailto:service@illusionfires.com.au)

[www.illusionfires.com.au](http://www.illusionfires.com.au)

Illusion Australia Pty Ltd reserves the right to alter specifications contained in this publication.

Illusion Australia Pty. Ltd. admits no responsibility for printing errors or omissions within this publication.

Copyright© Illusion Australia Pty. Ltd. 2015