

INSPIRE FLAME EFFECT SPACE HEATER

MODELS 700/900/1100

INSTALLATION & OPERATING MANUAL

The Inspire space heater is suitable to be installed into a frame out installation.

Designed to operate on Natural gas and LPG gas. Approval no.GMK 10528

Version 10A.2

WARRANTY INFORMATION

The benefits provided to you under the following warranty are in addition to any other rights and remedies available to you under the law.

1. Warranty

If:

(a) During the first 15 years from the date of purchase (Firebox Warranty Period), there is a defect in the firebox of the Gas Burner; or

(b) During the first 2 years from the date of purchase (Parts Warranty Period), there is a defect in the gas valves or other parts of the Gas Burner, due to improper workmanship or material, Glen Dimplex will replace or repair the Gas Burner without charge. Any replacement product is warranted only for the time remaining on the original Firebox Warranty Period or the Parts Warranty Period as relevant.

2. Registration

You must register to receive the benefit of this warranty by completing the warranty registration on our website (www.realflame.com.au) or completing and mailing the attached registration card within 30 days of purchase of your Gas Burner (or, if the Gas Burner is fitted to a new home, within 30 days of the date of settlement of purchase of such new home).

3. Exclusions

Glen Dimplex is not obliged to replace or repair the Gas Burner under clause 1 if:

(a) It has been improperly stored, installed, connected, used, operated or repaired, or damaged, abused, tampered with, altered (without our written approval), or not maintained in strict accordance with our installation and operating instructions; or

(b) It has been installed in an outdoor setting.

4. Limit of Liability

The warranty provided under this warranty is limited to replacement or repair of the Gas Burner only, at our option. To the extent permitted by law, Glen Dimplex excludes liability for consequential loss or any other loss or damage caused to property or persons arising from any cause whatsoever, and damage arising from normal wear and tear.

5. Claiming under the Warranty

In order to claim under this warranty, you must, within the Firebox Warranty Period or the Parts Warranty Period (as relevant), contact Glen Dimplex, providing the original proof of purchase and the details below:

Supplier Name _____

Date of Purchase / settlement of property if new home _____

Model / Serial Number _____

This warranty does not cover the cost of claiming under the warranty or transporting the Real Flame Gas Burner to and from the supplier

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

If you would like to speak to someone about your Gas Burner or claiming under this warranty, please contact the

Service Warranty Desk on 1300 554 155.

Glen Dimplex Australia Pty Ltd ACN 69 118 275 460

Head Office: 1340 Ferntree Gully Road, Scoresby 3179

Telephone: (03) 8706 2000 Facsimile: (03) 8706 2001

WARNING

The Inspire space heater has a primary safety glass fitted in front of the glass door. This safety glass is fitted to this appliance to reduce the risk of injury from burns and at no time should this glass be permanently removed.

For protection of young children or the infirm, a secondary guard is required.

The appliance is not intended for use 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 concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

WARNING

The outer glass panel gets extremely hot! Precaution should be taken and young children supervised at all times when heater is operating

INSTALLATION NOTICE

- The installation of this appliance is only to be carried out by an authorized person in accordance with the Manufacturer's Instructions, local gas fitting regulations, AS/NZS5601.1-2013 installation code for gas burning appliances and any other relevant statutory regulations.
- Do not modify this appliance
- In all cases the installation of this appliance shall meet the requirements as set out in AS/NZS5601.1-2013.
- Do not install in a fireplace as a Type 1 installation.

NOTE: A slight smell may be apparent for the first few hours of use. This is due to the heat resistant paint curing. It is recommended to open windows in the room for the first lighting of the fire. In some instances, a slight discolouration may occur inside the firebox. This is a normal condition and is not covered by warranty.

IMPORTANT SAFETY NOTICE

- DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.
- DO NOT USE OR STORE FLAMMABLE MATERIALS IN OR NEAR THIS APPLIANCE
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILST IT IS IN OPERATION
- CARE MUST BE TAKEN TO ENSURE THAT ANY RETURN AIR REGISTER OR EXHAUST SYSTEM DOES NOT ADVERSLEY AFFECT THE OPERATION OF THE APPLIANCE OR DRAUGHT OF CHIMNEY OR FLUE.
- APPLIANCE IS DESIGNED TO OPERATE WITH LUMINOUS FLAMES. MAY EXHIBIT SLIGHT CARBON DEPOSIT

SERVICING

It is recommended you service your gas fire every 2 years as a minimum.

CORD REPLACEMENT

Electrical cord replacement must be undertaken by qualified and trained personnel only

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DATA PLATE (Affixed to the base of the unit for reference to gas pressure & consumption)

Inspire 700

GAS TYPE	INJECTOR SIZE	TPP	N.G.C. (MJ/hr)
Natural Gas	1 X 2.30mm	0.88kPa High 0.40kPaLow	22.0 High/16.0 Low
LPG	1 X 1.35mm	2.48kPa High 1.58kPaLow	22.0 High/17.0 Low

Inspire 900

GAS TYPE	INJECTOR SIZE	TPP	N.G.C. (MJ/hr)
Natural Gas	1 X 2.45mm	0.89kPa high 0.42kPa Low	24.0 High/16.0 Low
LPG	1 X 1.45mm	2.49kPa High 1.58kPaLow	24.0 High/19.0 Low

Inspire 1100

GAS TYPE	INJECTOR SIZE	TPP	N.G.C. (MJ/hr)
Natural Gas	1 X 2.65mm	0.88kPa High 0.41kPaLow	29.0 High/20.0 Low
LPG	1 X 1.50mm	2.45kPa High 1.51kPaLow	27.0 High/21.0 Low

Max - Min inlet pressure range

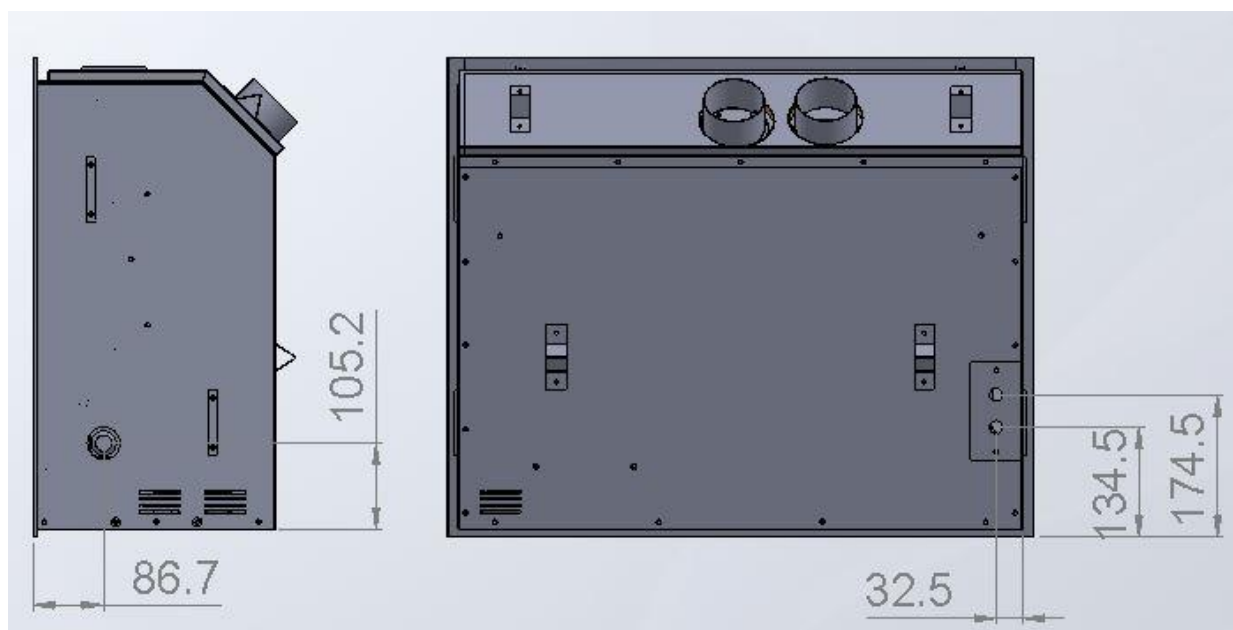
Natural gas: 1.13kPa - 5.00 kPa

LPG: 2.75kPa - 5.00 kPa

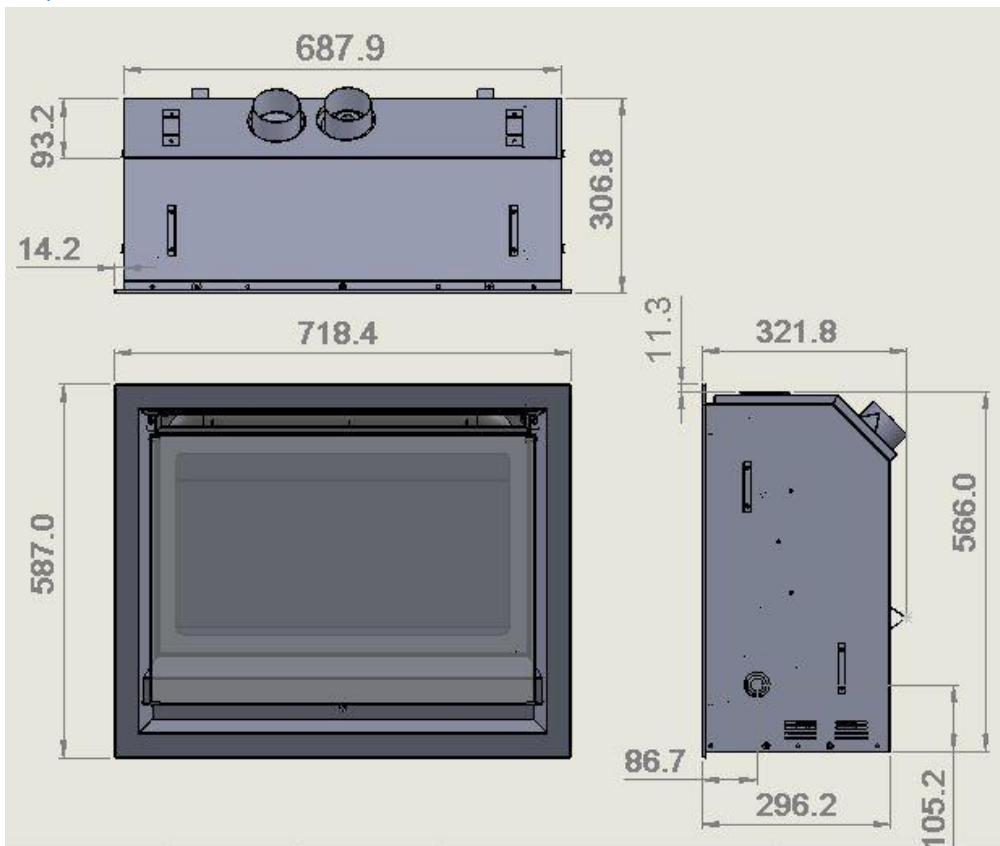
Note: Gas pressures are not adjustable on the Inspire models.

DIMENSIONS

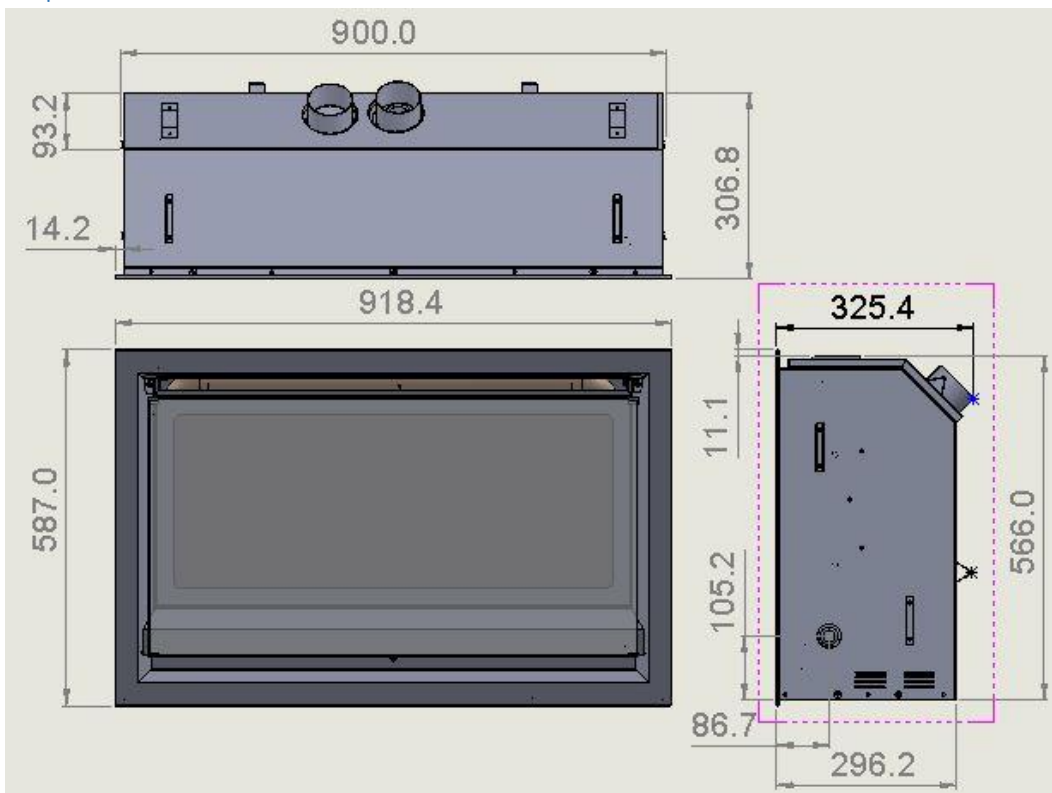
Gas and electrical connection cut-out dimensions for all models



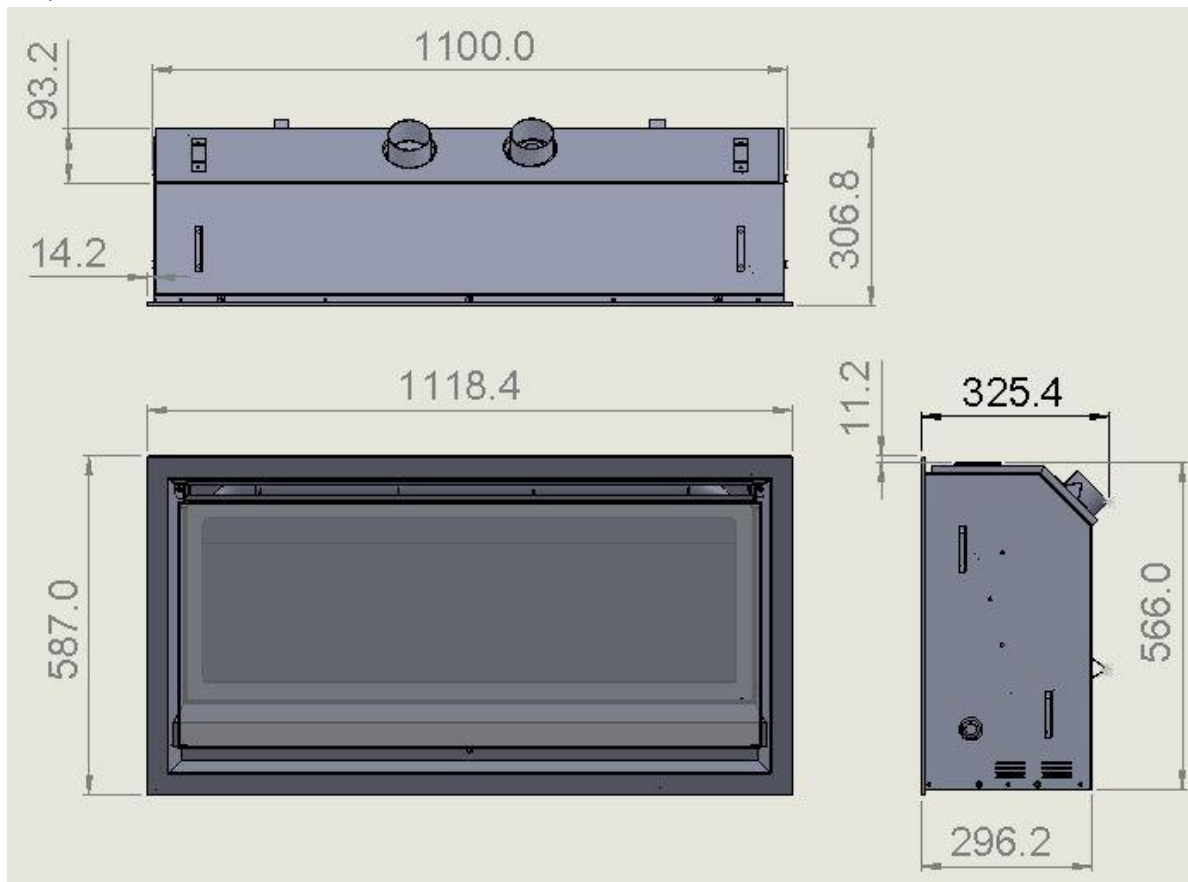
Inspire 700



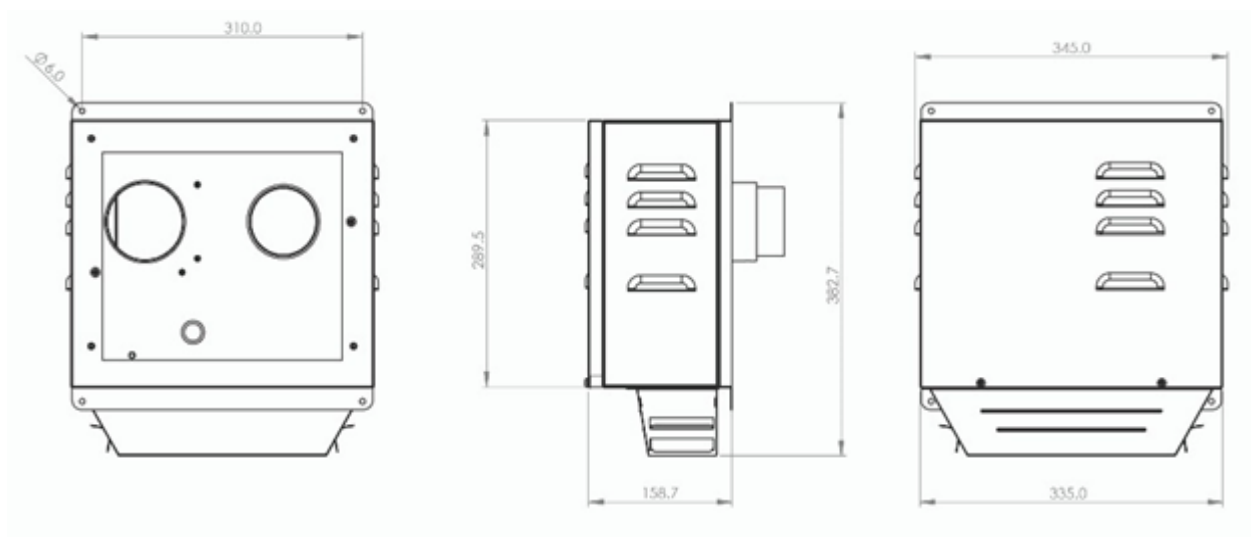
Inspire 900



Inspire 1100



Power Flue



LOCATION

Select a location where the fire can be supervised during operation.
An electrical isolation switch must be fitted at the appliance or on an adjacent wall to allow for emergency shutdown and maintenance.
Installation must meet Australian gas codes AS/NZS 5601.

INSTALLATION CLEARANCES – Clearances from combustible materials

Floor - 0mm	Sides - 5mm	Top - 5mm
Flue outer - 25mm	Front - 250mm	Back - 25mm

INSTALLATION CODES

Installers – Please ensure the installation and instruction manuals supplied with this appliance are supplied to the customer and the customer is trained on how to operate the appliance correctly.

Do not modify the appliance.

Do not exceed maximum rated pressures.

Appliance must be installed as per gas installation code (AS/NZS 5601) and applicable electrical installation code (AS3000).

Test for gas leaks prior to operating appliance. Check gas pressures and adjust if incorrect.

WARNING - Transit material such as cardboard packaging, pallet, plastic wrap, glass packaging warning labels and burner media protection must be removed prior to use.

FLUE CONFIGURATIONS

1. Wall mount powerflue module: Flue configurations are a maximum of 5m, flue runs less than 5m are permitted.
2. Rooftop powerflue termination: Flue configurations are a maximum of 8.5m, flue runs less than 8.5m are permitted. Refer Rooftop termination section for more details and installation instructions.

Aluminium flexible flue is used for both the inlet and outlet.

Flue runs 5m or 8.5m or less (75mm diameter Aluminium flexi flue)

Inlet pipe - Maximum flue run 5m or 8.5m total length including 5 x 90 bends

Outlet pipe - Maximum flue run 5m or 8.5m total length including 4 x 90 bends

Appliance is supplied with a 2 x 5m or 2 x 8.5m flexible flue lengths. Flue can be cut to length as required.

Recommended bend radius 150mm or larger. Bends must not form a P Trap.

Flue must be clipped and supported support. Connections must be sealed with silicon and clamped where advised.

Recommended Silicon – Non acetic, neutral cure 200degrees or higher temperature rated. Bostik RTV 926 or similar.



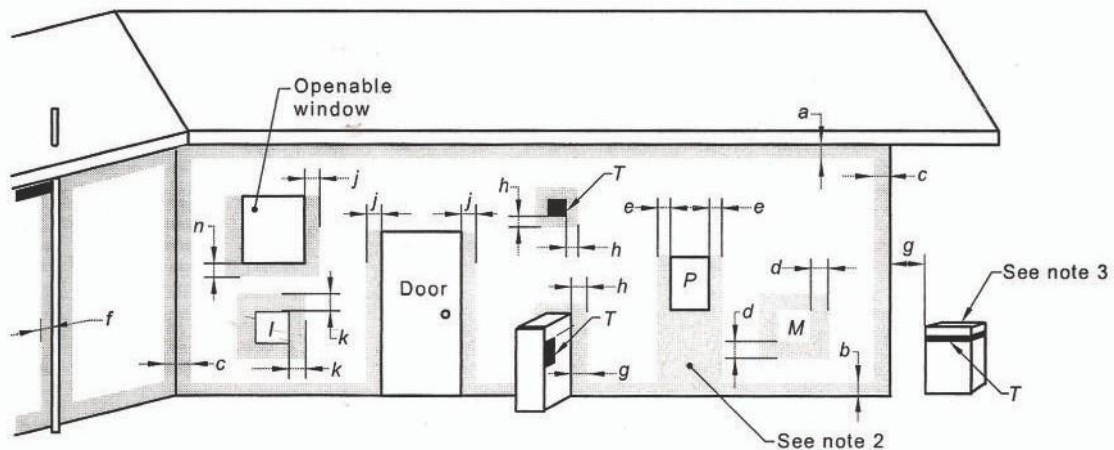
U style flue runs must not be installed

FLUE TERMINATION LOCATION

- Flue terminations shall not be recessed in walls or sidings.
- **EXTREMELY IMPORTANT:** In heavy snow areas take extra care to prevent blocking flue termination with snow removal equipment.
- Flue gases exiting flue terminals are very hot and must not be restricted to assure fireplace combustion is not affected.
- Do not place, build any obstruction, plant any bushes or for any reason attempt to conceal the flue termination. To do so will affect the operation of the fireplace and may be hazardous
- This unit must always vent directly to outdoors.

GAS CONNECTION –	15mm (1/2") Compression union
ELECTRICAL CONNECTION –	3 Pin 10 Amp GPO plug
POWER RATING OF APPLIANCE –	230V 50Hz 0.8Amp

INSPIRE FLUE TERMINAL LOCATION



LEGEND:

T = Flue terminal	M = Gas meter	Shading indicates prohibited areas for flue terminals
I = Mechanical air inlet	P = Electricity meter or fuse box	

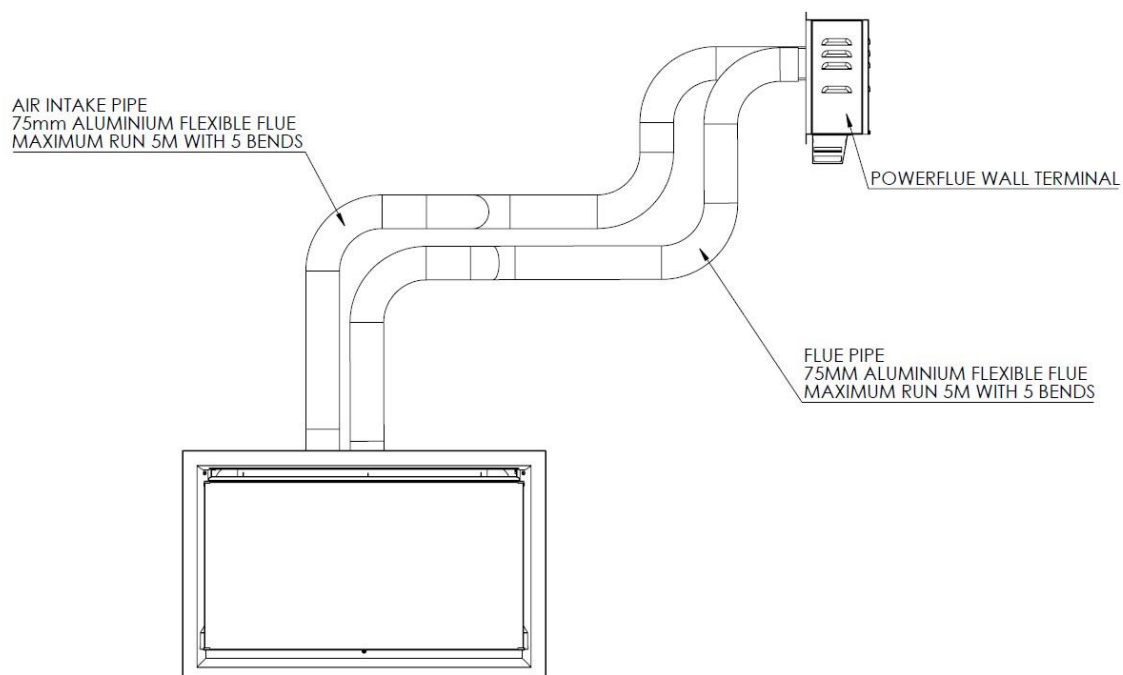
Ref.	Item	Minimum clearances (mm)	
		Natural draft	Fan assisted
a	Below eaves, balconies and other projections:		
	• Appliances up to 50 MJ/h input	300	200
	• Appliances over 50 MJ/h input	500	300
b	From the ground, above a balcony or other surface †	300	300
c	From a return wall or external corner †	500	300
d	From a gas meter (M) (see 4.7.11 for vent terminal location of regulator)	1000	1000
e	From an electricity meter or fuse box (P)	500	500
f	From a drain pipe or soil pipe	150	75
g	Horizontally from any building structure † or obstruction facing a terminal	500	500
h	From any other flue terminal, cowl, or combustion air intake †	500	300
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:		
	• Appliances up to 150 MJ/h input	500	300
	• Appliances over 150 MJ/h input up to 200 MJ/h input	1500	300
	• Appliances over 200 MJ/h input up to 250 MJ/h input †	1500	500
	• Appliances over 250 MJ/h input †	1500	1500
	• All fan-assisted flue appliances, in the direction of discharge	-	1500
k	From a mechanical air inlet, including a spa blower	1500	1000
n	Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:		
	• Space heaters up to 50 MJ/h input	150	150
	• Other appliances up to 50 MJ/h input	500	500
	• Appliances over 50 MJ/h input and up to 150 MJ/h input	1000	1000
	• Appliances over 150 MJ/h input	1500	1500

† Unless appliance is certified for closer installation

NOTES:

- All distances are measured to the nearest part of the terminal.
- Prohibited area below electricity meter or fuse box extends to ground level.
- See Clause 5.13.6.6 for restrictions on a flue terminal under a covered area.
- See Appendix J, Figures J2(a) and J3(a), for clearances required from a flue terminal to an LP Gas cylinder. A flue terminal is considered to be a source of ignition.
- For appliances not addressed above acceptance should be obtained from the technical regulator

SETUP WITH EXTERNAL WALL MOUNTED FAN TERMINAL



Wall mounted fan module – terminal must be installed with clearances as specified by AS/NZS 5601.1 Clause 6.9.3

Run exhaust flue and air intake flue as required

Maximum run 5mts. Flues can be run next to each other. Maintain the required clearances to combustibles.



Connection to appliance
Cut tube to length where required.
Ensure ends are burr free and round, test fit flue will slide over connection.

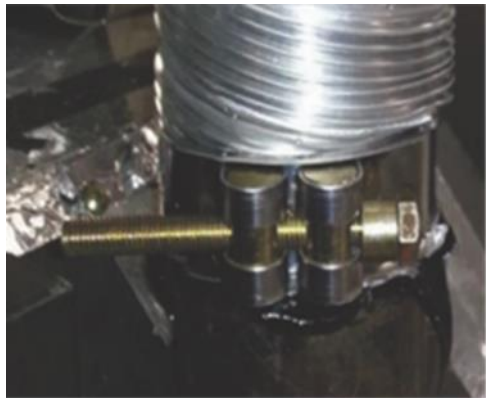


Recommended Silicon – Non-acetic, neutral cure 150degc or higher temperature rated. Bostik RTV 926 or similar.

Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.
Apply an 8mm thick silicon bead fully around the lower fan connection spigot approx. 10mm from the end.



Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)
Fit flue clamp over flue (loosely).



Slide flue onto connection spigot fully. Tighten clamp fully. Wipe excess silicon, visually check connection to ensure connection is fully sealed.

Repeat above with air intake flue pipe to heater connection.

Clip flues as required to provide adequate support.

Connection to wall mounted fan terminal

Predrill mounting holes into wall.



Remove cover from fan terminal



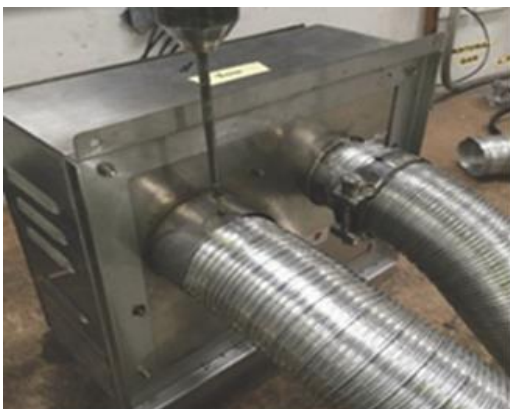
Cut flue exhaust tube (hot tube) to length (approximately flush with wall exit). Wall termination will sit against wall.
Pull flue tube through approx. 100mm further (will be pushed back once terminal fitted).



Feed power cable through wall and into wall terminal.



Slide flue onto connection spigot fully. Tighten clamp fully. Wipe excess silicon, visually check connection to ensure connection is fully sealed.



Feed air intake flue pipe through location spigot and fit retaining screw.



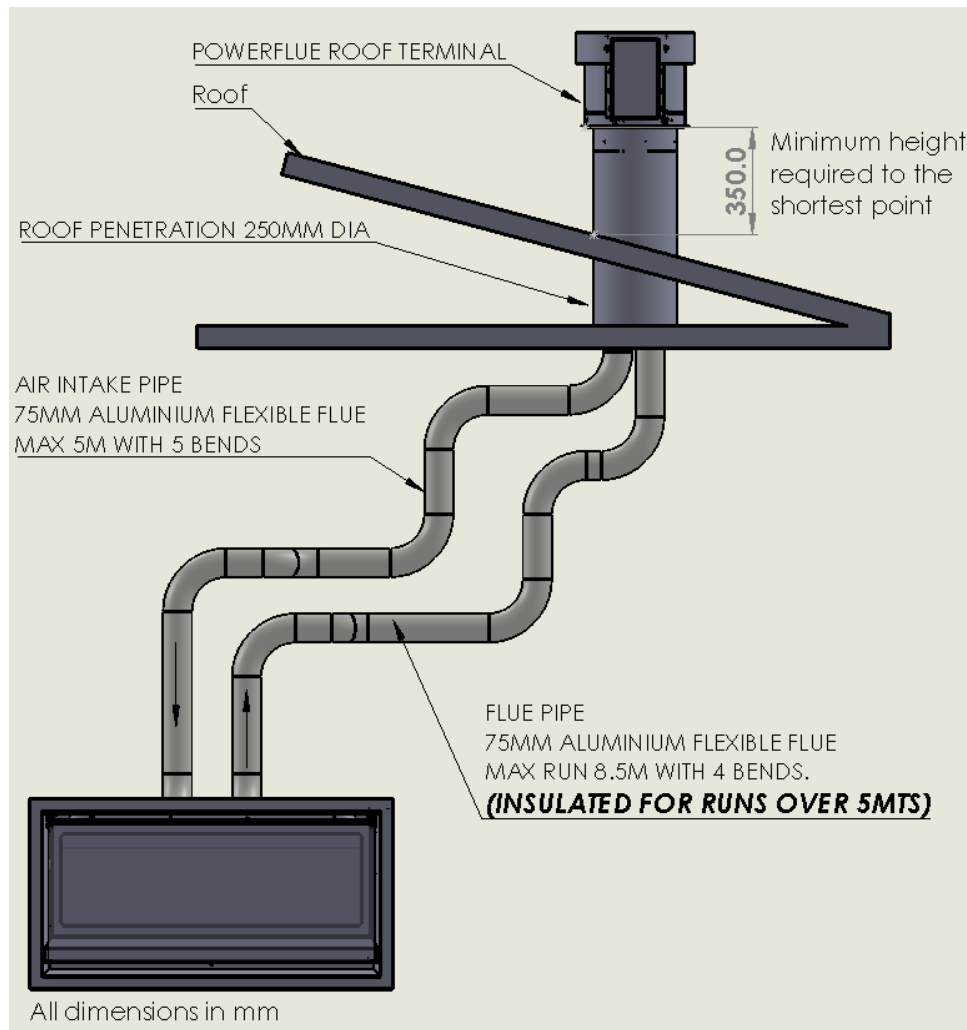
Push fan terminal into position. And affix to wall. Uneven or rough surfaces may require sealant along top and side gaps.

Connect power cable connector. Fit cable clamp to cable.



Fit front cover

ROOFTOP POWERFLUE TERMINATION



Insulation requirements for flue runs

NOTE:

- Insulation is used for rooftop termination installations only
- The insulation supplied is in lengths of 1000mm
- The termination must be installed at a minimum height of 350mm from the lowest point of the termination to closest point on the roof (Refer image above)
- The termination's spigot and the roof penetration pipe is 250mm in diameter.

Flue length	Insulation Requirement
0 - 5 mts	Uninsulated flue run
5 – 8.5 mts	Insulated flue run *

* For 5 - 8.5-meter flue runs, only the supplied insulation must be used and only the exhaust pipe is to be insulated. The initial 300mm from the appliance exit and the last 700mm from the rooftop termination may remain uninsulated. **However, it is recommended to insulate as much of the total length as possible.**

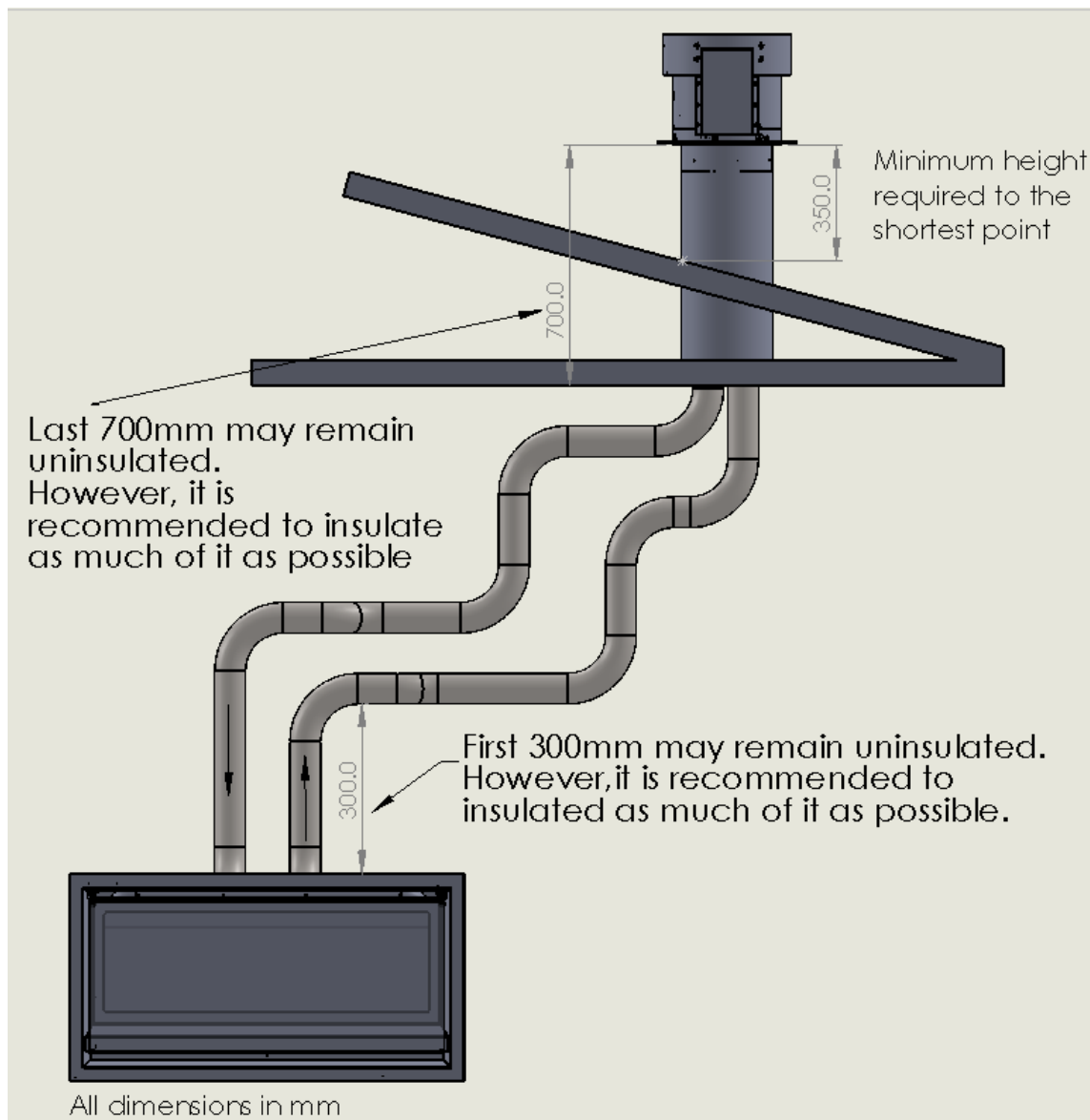
Example: For a flue run of 8.5mts

Flue run length $N = 8.5\text{mts}$
 Minimum insulation required $X = N - 1\text{ mts}$
 $= 8.5 - 1 = 7.5\text{ mts}$

Insulation is supplied in lengths of 1000mm.



Initial 300mm from appliance exit may remain uninsulated (Refer image below)

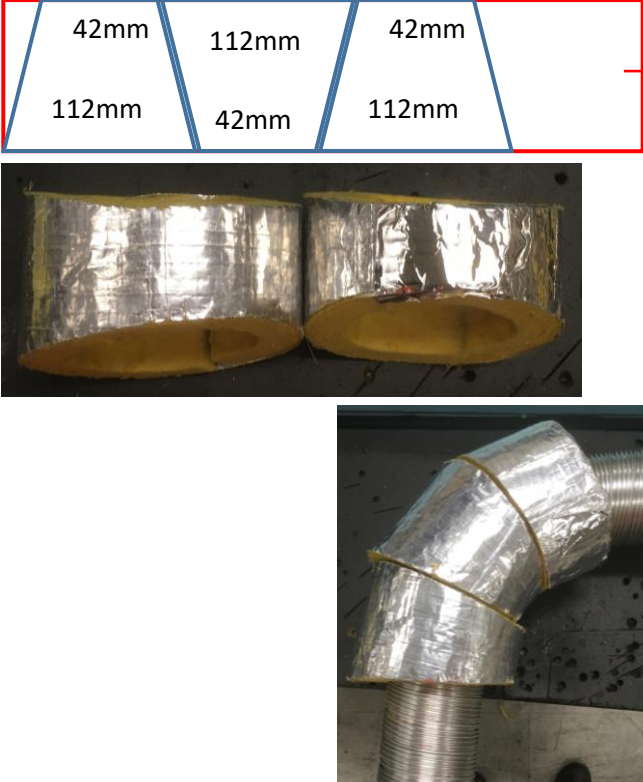
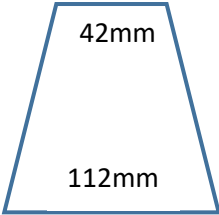


Last 700mm from rooftop termination down may remain uninsulated.

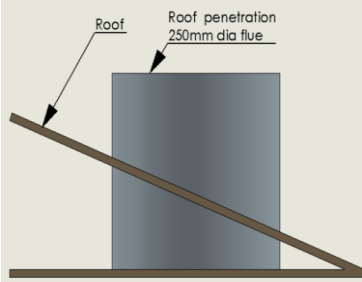
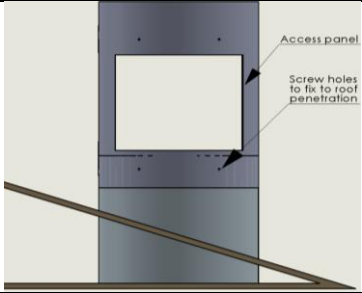
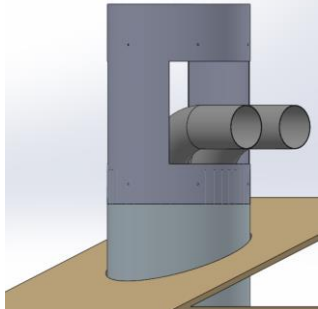
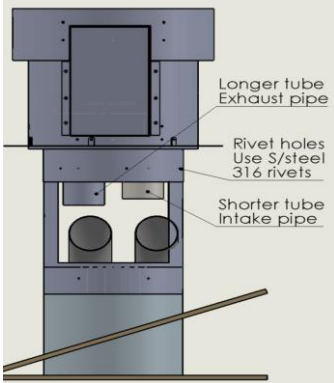



Note: The insulation can be cut to shorter lengths to allow for bends.

Instructions:

	<p>Rooftop fan module – Terminal must be installed with clearances as specified by AS/NZS 5601.1 Clause 6.9.3</p> <p>Run exhaust flue and air intake flue as required</p> <p>Maximum run 8.5mts. Flues can be run next to each other. Maintain the required clearances to combustibles.</p> <p>Insulate flue for runs over 5mts as required.</p>
	<p>Rigid glass wool insulation with 25mm wall thickness.</p> <p>The insulation is pre-slit and can be fitted around the flue pipe like a collar</p> <p>It can also be cut to required size to fit around sharp bends</p>
	<p>Run both flexi pipes from the appliance to the roof space</p> <p>Fit insulation on the flexi pipe as shown.</p> <p>Use aluminium tape to seal the insulation and ensure its fit snug to the pipe.</p> <p>Cut insulation to required sizes to fit around corners.</p>

	<p>Insulation cut pattern for 90° bend</p> <p>For 90° and 45° bends the corners must be insulated.</p> <p>For a 90° bend with a minimum bend radius is 150mm. Cut the insulation diagonally into 3 pieces in a cone shape.</p> 
	<p>On the heater connection end - Fit clamp loosely & apply silicon inside the pipes. Apply an 8mm silicon bead fully around the inside of the flue and on the heater spigot. Smear the silicon around the spigot and pipe.</p> <p>Recommended Silicon – Non-acetic, neutral cure 200°C or higher temperature rated. Bostik RTV 922 or similar</p>
	<p>Slide flue onto connection spigot fully. Tighten clamp fully. Wipe excess silicon, visually check connection to ensure connection is fully sealed.</p> <p>Repeat above with air intake flue pipe to heater connection.</p> <p>Clip flues as required to provide adequate support.</p>

	<p>Insert the roof penetration and fix firmly to the roof structure using appropriate supports.</p> <p>The roof penetration flue is a 250mm rigid flue.</p>
	<p>Fit the access panel to the roof penetration</p> <p>Use the screw holes fix the access panel to the roof penetration.</p>
	<p>Run flue pipes through the access cut outs before fitting the termination on for ease of installation. (The picture is a reference only. Take care not to flex/bend the pipe too sharply and risk slitting the pipe)</p> <p>If possible to insulate the flue pipe through the roof penetration, then fit insulation to the exhaust pipe.</p>
	<p>Fit the termination on to the access panel and match the rivet holes to rivet the termination to the access panel.</p> <p>Use only the rivets provided</p>
	<p>On the termination end - Fit clamp loosely & apply silicon inside the pipes. Apply an 8mm silicon bead fully around the inside of the flue and on the flue spigot. Smear smoothly around the surfaces.</p> <p>Recommended Silicon – Non-acetic, neutral cure 200°C or higher temperature rated. Bostik RTV 922 or similar</p>



Slide flue onto connection spigot fully. Tighten clamp fully. Wipe excess silicon, visually check connection to ensure connection is fully sealed.

Ensure that the pipes are connected correctly and are not inverted.

Use the labels to identify exhaust and intake spigots



Connect the fan power cable from the appliance to the termination.

Ensure the cable is clamped **only to the intake pipe** to secure the cable from hanging loose & touching the hot flue gases pipe.

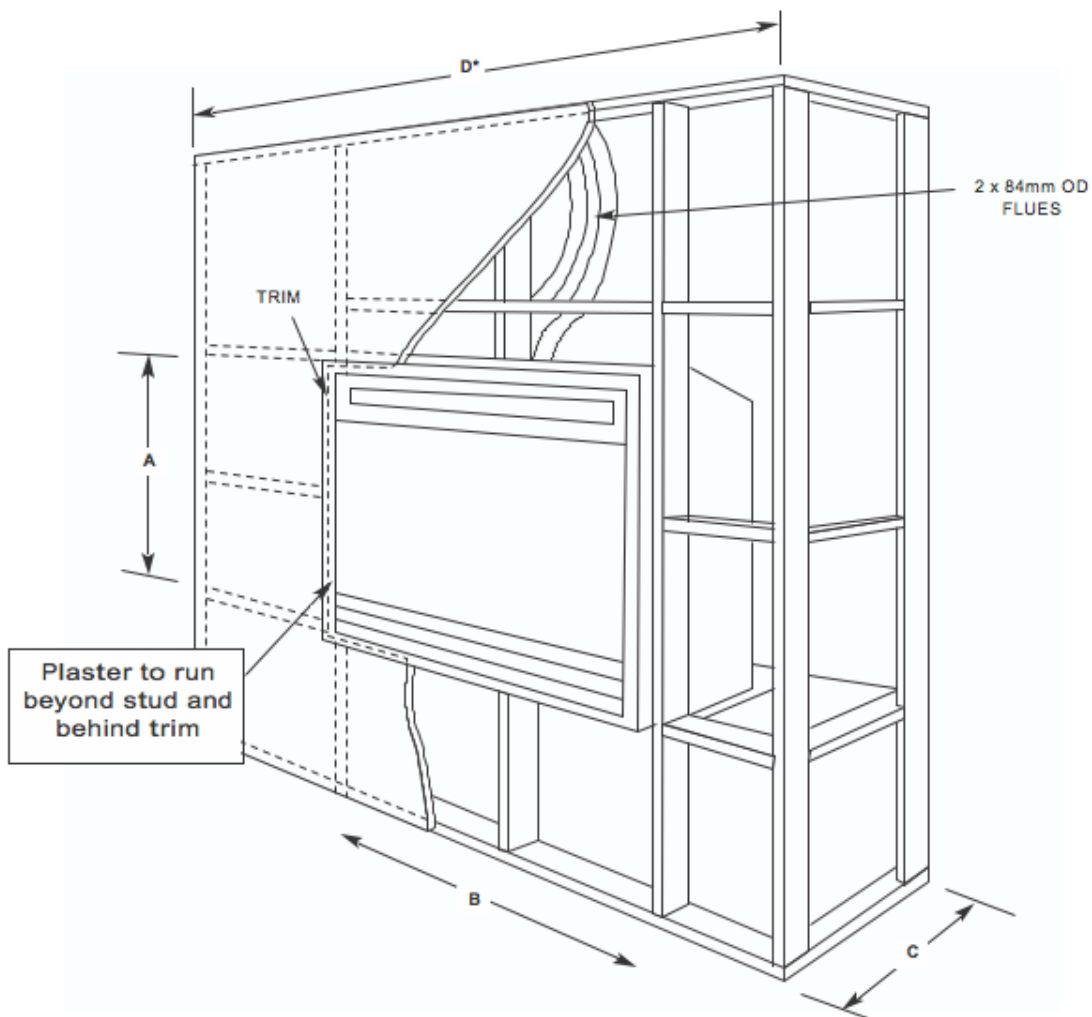
Use the clamp provided. The clamp can be opened like a collar and fitted around on the flue.



Flex collar and fit around the access panel. Socket the collar all the way up close to the air intake slots. Ensure there is a rubber seal top and bottom of the collar.

Use only the screws provided to tightly fit the collar to seal the access panel.

TIMBER FRAME INSTALLATION



Frame out Dimensions (in mm)

A	B	C	D*
580	710	400	1500
	910		
	1110		

* Indication only. Can be smaller or larger.

Notes:

1. At frame stage the builder shall provide a 10amp GPO to the rear back corner of the frame out with an isolation switch fitted at the appliance or on an adjacent wall within the room where the fire can be seen. An adequate gas line should be run down the front right hand side of the frame out terminating approximately 1m from the base, this should be run down the inside face of the timber.

TIMBER FRAME INSTALLATION - PRE HANDOVER OPTION (continued)

Notes (continued):

2. Pre plastering, the installer shall install the termination (vertical or horizontal) run the twin 75mm ID flues from the termination to inside the frame out (label them exhaust and intake) and terminate 500mm from the base. (Do not fix). A 15mm (1/2") copper connection should then be fixed to the gas line with 90 deg elbow and tail that will be able to be pulled into the front right hand corner of the appliance at pre hand over stage. The control loom should be fitted at the fan motor and run into the frame out and terminate to the front left hand side of the base. Coil any excess at this point. The frame out can now be plastered and finished.

3. For pre hand over final install, the plaster should be cut out using the template supplied. Then sit the appliance in position on the base. Push the left hand side of the appliance back allowing room to plug the 3 pin lead into the GPO provided and to connect the control loom. Then return appliance to square and push the right side back to retrieve the 15mm gas connection, feed it into the hole provided. Now pull the 2 x 75mm ID flues onto the spigots at the rear of the fire, fix and tighten. (Ensure you connect the intake and exhaust to the correct spigot). Pull the appliance back to square and fit off the gas connection.

Follow the commissioning procedures noted on page 31 and fit off the front glass and trim set.

MEDIA INSTALLATION

Media must be setup as per instructions

- The media is designed and shaped to correctly locate and remain in the correct position.
- Do not add extra media, or combine media types.
- Only the approved supplied media is to be used.
- Do not use any other media than as supplied and recommended by the manufacturer.

NOTE: Use of other media may result in explosive media which may cause injury or damage.

MEDIA TYPES

1. Driftwood
2. Pebbles

Refer to correct section for media set up.

Driftwood Media – Inspire 700 Model

- a) Place branch log 1 supports as shown.



- b) Place No 2. Long log across branch log, using location grooves to locate.



c) Place No 3 log short crossover log over the long log, use location groove to locate.



d) Place log No 4 over log 3, use groove to locate.



e) Place the second branch log 1 onto support.



f) Place 2nd log No. 2 log onto branch log, use location grooves to locate.



g) Place 2 log No 3 onto long log, use location groove to locate.

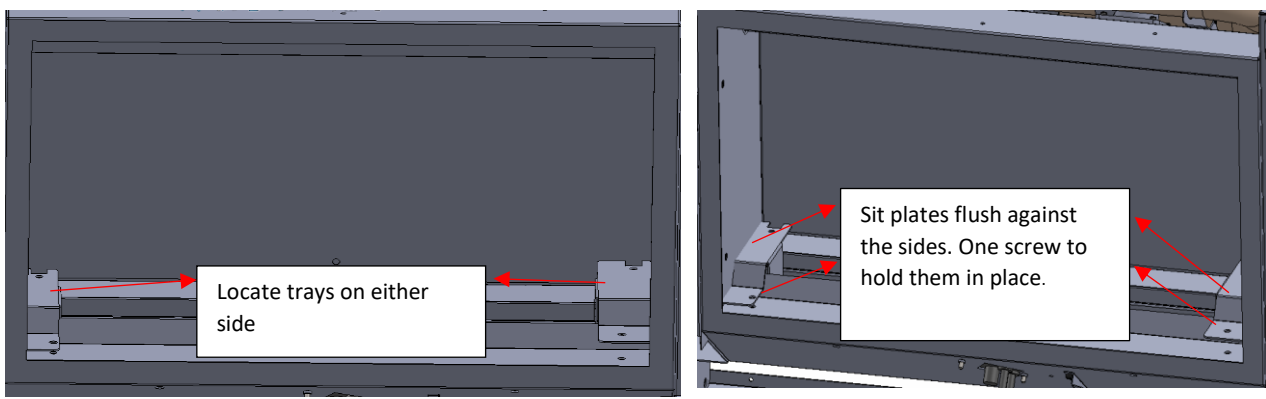


Place mixed coals around logs along front section, DO NOT PLACE ON BURNER.

Pebbles Media - INSPIRE 700 Model



Locate side trays on either side of the firebox. Ensure that they are sitting flush against the side walls and screw them in from the front (if the trays do not sit flat then use the rear screw holes to screw them down).



Randomly arrange pebbles around the media trays front and back. One medium size pebble to sit on each of the side trays. **DO NOT PLACE ANY MEDIA ON THE BURNER**



Driftwood media - Inspire 900 Model

a) 900 MODEL - Place Log 5 as shown in the image below. Near LH end.



b) Place log 6 across log 5 using location grooves to locate.



c) Place log 1 as shown in the image below.



d) Place log 2 across log 1, using location grooves to locate.



e) Place log 3 (short crossover) across log 2, using location groove to locate.



f) Place log 4 over log 3, using groove to locate.



g) Place Log 1 as shown in the image below.



h) Place Log 2 across Log 1, using location grooves to locate.



i) Place Log 3 (short crossover) over log 2, using location groove to locate.



j) Place Log 4 over log 3, use groove to locate.



Place mixed coals around logs along front section, DO NOT PLACE ON BURNER.

Driftwood media - Inspire 1100 model

a) Place Log 5 as shown in the image below



b) Place log 6 across log 5 using location grooves to locate.



c) Place log 1 as shown in the image below.



d) Place log 2 across log 1, using location grooves to locate.



e) Place log 3 (short crossover) across log 2, using location groove to locate.



f) Place log 4 over log 3, using groove to locate.



g) Place Log 1 as shown in the image below.



h) Place Log 2 across Log 1, using location grooves to locate.



i) Place Log 3 (short crossover) over log 2, using location groove to locate.



j) Place Log 4 over log 3, use groove to locate.



k) Place Log 8 as shown in the image below.



l) Place log 9 across log 8 as shown



m) Place Log 3 over log 9, use locating groove to locate.



n) Place assorted coals (random placing) on the front plate as shown in the image below.



Pebble media

a) Ensure the rear media support is firmly located in position



b) Place pebbles in random colors / size along back support.



c) Place front pebbles in random colors / size along front - DO NOT PLACE ANY MEDIA ON BURNER



COMMISSIONING PROCEDURE

Once the fire is installed.

- Install media.
- Connect to gas and power.
- Fit firebox door.
- Check for gas leaks.
- Connect powerflue module loom to fan control unit.
- Carry out the lighting procedure.
- Check burner pressures and inlet supply pressure (Valve is non-adjustable).
- Check appliance for combustion (CO) leakage.
- Turn off
- Fit trim.
- Handover instructions to owner.
- Instruct owner on how to operate the fireplace safely.
- Instruct owner how to isolate the appliance in an emergency.



OPERATION – USER INSTRUCTIONS

- Do not operate if you smell gas. Turn appliance off, extinguish any open flame.
- Contact your installer or a licensed gasfitter.
- Do not use if any part of this appliance has been submerged in water. Contact your installer or a qualified service technician.
- Solid fuels must not be burnt in the fire. Leaves, sticks, wood, paper food or material must be kept away from the fire.
- Appliance operates with luminous flames; carbon deposits may occur during operation.

Should the appliance fail to ignite or was recently turned off, allow 2 minutes before attempting to reignite appliance.

In the event of abnormal operation please contact your licensed gas installer, gas service personnel or Real Flame Pty Ltd. Abnormal operation may consist of the following, noisy fan, excessive or small flame, unusual flame appearance or colour, excessive sooting or other.

APPLIANCE QUICK OPERATION

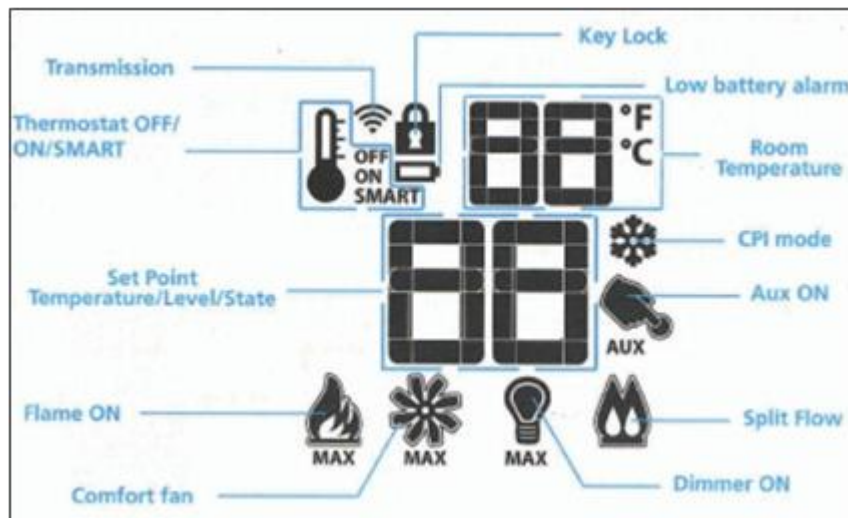
1. Press power  button on the remote.
2. Press Temperature  button until ON is displayed.
3. Set the desired temperature - it must be above the room temperature for the appliance to operate.
4. Appliance will start once the flame symbol appears on the remote.
5. Appliance will perform a 60 seconds pre-purge, then sparking will occur.

NOTE: Appliance takes up to 60 sec to pre-purge prior to sparking.

REMOTE CONTROL OPERATION

Note

- Not all remote control functions are available.
- In the event of loss of power, the appliance will shut down safely. The appliance may automatically resume operation once power is restored, pending the operation mode of the remote control.



Transmitter LCD display

TECHNICAL DATA

Remote Control

Supply Voltage	4.5V (three 1.5 V AAA batteries) Ambient
Temperature settings	0 - 50°C
Radio frequency	315 MHz

WARNING

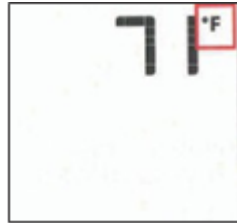
THE TRANSMITTER AND RECEIVER ARE RADIO FREQUENCY DEVICES. PLACING THE RECEIVER IN OR NEAR METAL MAY SEVERELY REDUCE THE SIGNAL RANGE.

ATTENTION:

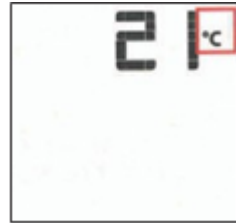
- TURN OFF THE MAIN GAS SUPPLY OF THE APPLIANCE DURING INSTALLATION OR MAINTENANCE OF THE RECEIVER DEVICE.
- TURN OFF MAIN GAS SUPPLY TO THE APPLIANCE PRIOR TO REMOVING OR REINSERTING THE BATTERIES.
- IN CASE OF REMOTE CONTROL MALFUNCTION TURN OFF THE IFC DEVICE USING THE ON/OFF SWITCH.
- FOR INSTALLATION/MAINTENANCE SWITCH OFF THE IFC DEVICE REMOVING MAIN POWER SUPPLY PLUG.

Temperature indication display

With the system in the OFF position, press the thermostat key and the mode key at the same time. Look at the LCD screen on the transmitter to verify that a C or F is visible to the right of the room temperature display.



Remote control display in Farenheit



Remote control display in Celcius

Turn on the appliance

With the system OFF, press the ON/OFF key on the transmitter. The transmitter display will show some other active icons on the screen. At the same time the receiver will activate the appliance. A single “beep” from the receiver will confirm reception of the command.

Turn off the appliance

With the system ON, press the ON/OFF key on the transmitter. The transmitter LCD display will only show the room temperature. At the same time the receiver will turn off the appliance. A single “beep” from the receiver confirms reception of the command.



Remote control display

Remote flame control

The proflame has six (6) flame levels. With the system ON, and the flame level at the maximum in the appliance, pressing the down arrow key once will reduce the flame height by one step until the flame is turned off.

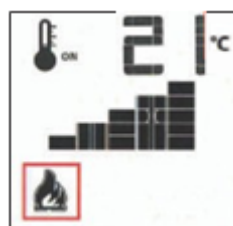
The up arrow key will increase the flame height each time it is pressed. If the up arrow key is pressed while the system is on but the flame is off, the flame will come on in the high position. A single “beep” will confirm reception of the command.



Flame off



Flame Level 1



Flame Level 5

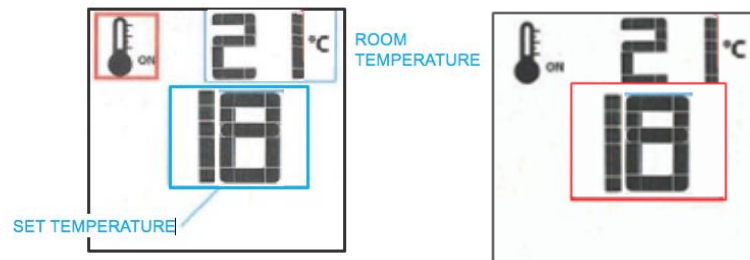


Flame Level Maximum

Room thermostat (Transmitter Operation)

The remote control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room.

To activate this function, press the thermostat key. The LCD display on the transmitter will change to show that the room thermostat is “ON” and the set temperature is now displayed. To adjust the set temperature, press the up or down arrow keys until the desired set temperature is displayed on the LCD screen of the transmitter.

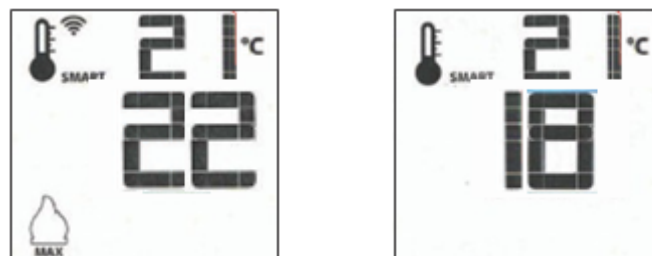


Smart thermostat (Transmitter Operation)

The smart thermostat function adjusts the flame height in accordance with the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the smart function will modulate the flame down. To activate this function, press the thermostat key until the word “SMART” appears to the right of the temperature bulb graphic.

To adjust the set temperature, press the up or down arrow keys until the desired set temperature is displayed on the LCD screen of the transmitter.

Note: When the smart thermostat is activated, manual flame height adjustment is disabled.



Smart flame function

Fan speed control - this function is not supported on this fire.

Remote dimmer control (Light) - this function is not supported on this fire.

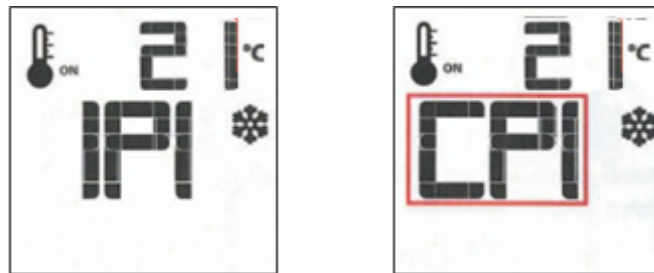
Split flow control - this function is not supported on this fire.

Continuous pilot/intermittent pilot (CPI/IPI) selection

With the system in “OFF” position, press the mode key to index to the CPI mode icon. Pressing the Up arrow key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down arrow key will return to IPI. A single “beep” will confirm reception of the command.

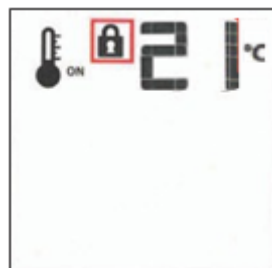
NOTE: This fire is designed to run in IPI mode (Intermittent Pilot). The fire is factory preset to operate in this mode.

Should the fire or remote need factory resetting, the IPI mode must be re-selected. Should the remote be in CPI mode or the pilot remains constantly on, please contact Glen Dimplex or your installer to correct the settings.



Key Lock

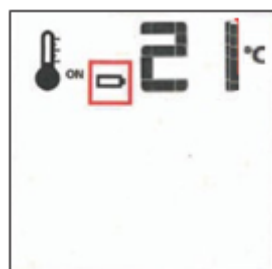
This function will lock the keys to avoid unsupervised operation. To activate this function, press the Mode and Up keys at the same time. To de-activate this function, press the Mode and Up keys at the same time.



Low battery power detection - transmitter

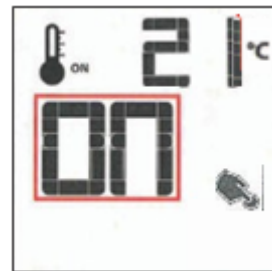
The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the appliance, the number of changes to the room thermostat set point, etc.

When the transmitter batteries are low, a battery icon will appear on the LCD display of the transmitter before all battery power is lost. When the batteries are replaced this icon will disappear.



Remote auxiliary relay control - this function is not supported on this fire.

Changes to the remote settings will not affect or change the appliance operation.

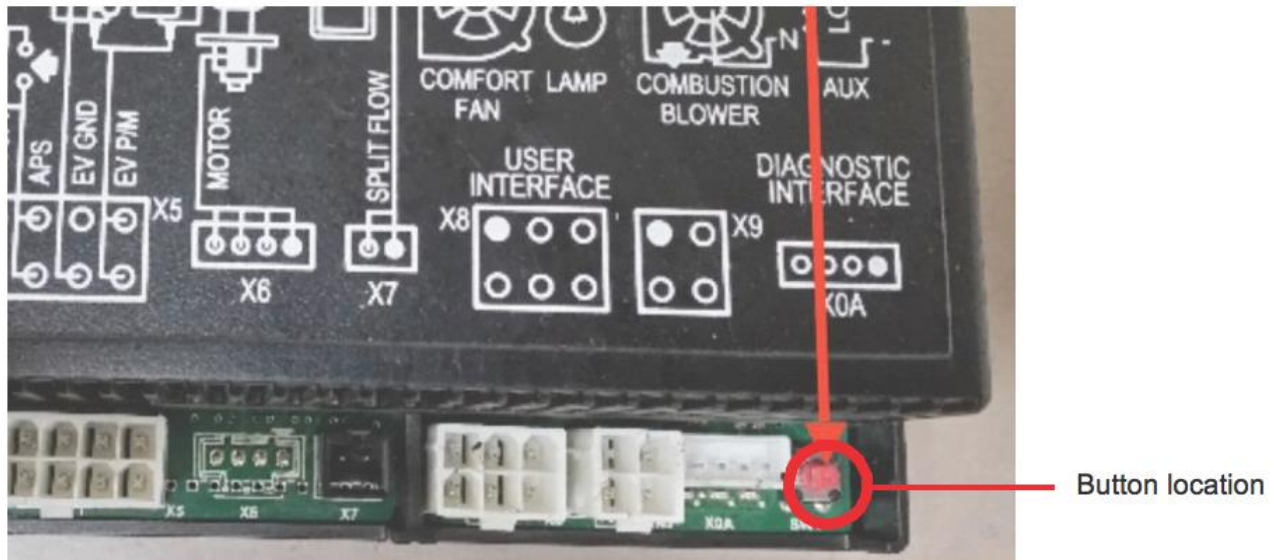


TROUBLESHOOTING

Problem	Possible Cause	Remedy
When remote is activated nothing happens	Remote not talking to receiver	<ul style="list-style-type: none"> • Listen for beep for signal being received • Check power to appliance is on • Check batteries in remote • Reprogram remote to receiver
Fire cuts off and will not relight	Over temperature safety has tripped	<ul style="list-style-type: none"> • Allow fire to cool and reattempt ignition. • Check room fan is not blocked. • Check fire airflow is not restricted
Flame appears low or excessively high	Incorrect gas or pressure	<ul style="list-style-type: none"> • Check test point pressure and supply pressure to appliance. • Check gas type • Replace valve if required • Check injector for blockage and size
Smell in room while operating	Paint curing or firebox door leak	<ul style="list-style-type: none"> • If new appliance - run for several hours, open all room ventilation and allow paint to cure. • Turn off appliance and the have door seal inspected by service personnel or Real Flame agent.
Room air fan is noisy or not working	Faulty or dirty fan	<ul style="list-style-type: none"> • Fan to be inspected and cleaned • Replace fan
Appliance operates correctly but pilot remains constantly on.	Remote IPI/CPI incorrectly set	<ul style="list-style-type: none"> • Correct remote control mode to IPI setting.

TEACHING RF CODE – Reprogramming remote to heater

1. Electrical tray must be slid forward to reprogram a remote control.
2. Turn the remote to off mode
3. Turn mains power to heater on.
4. Press the red button on the receiver once – three beeps should be heard.



5. Press the on button on the remote – four beeps should be heard.
6. Remote is now connected.

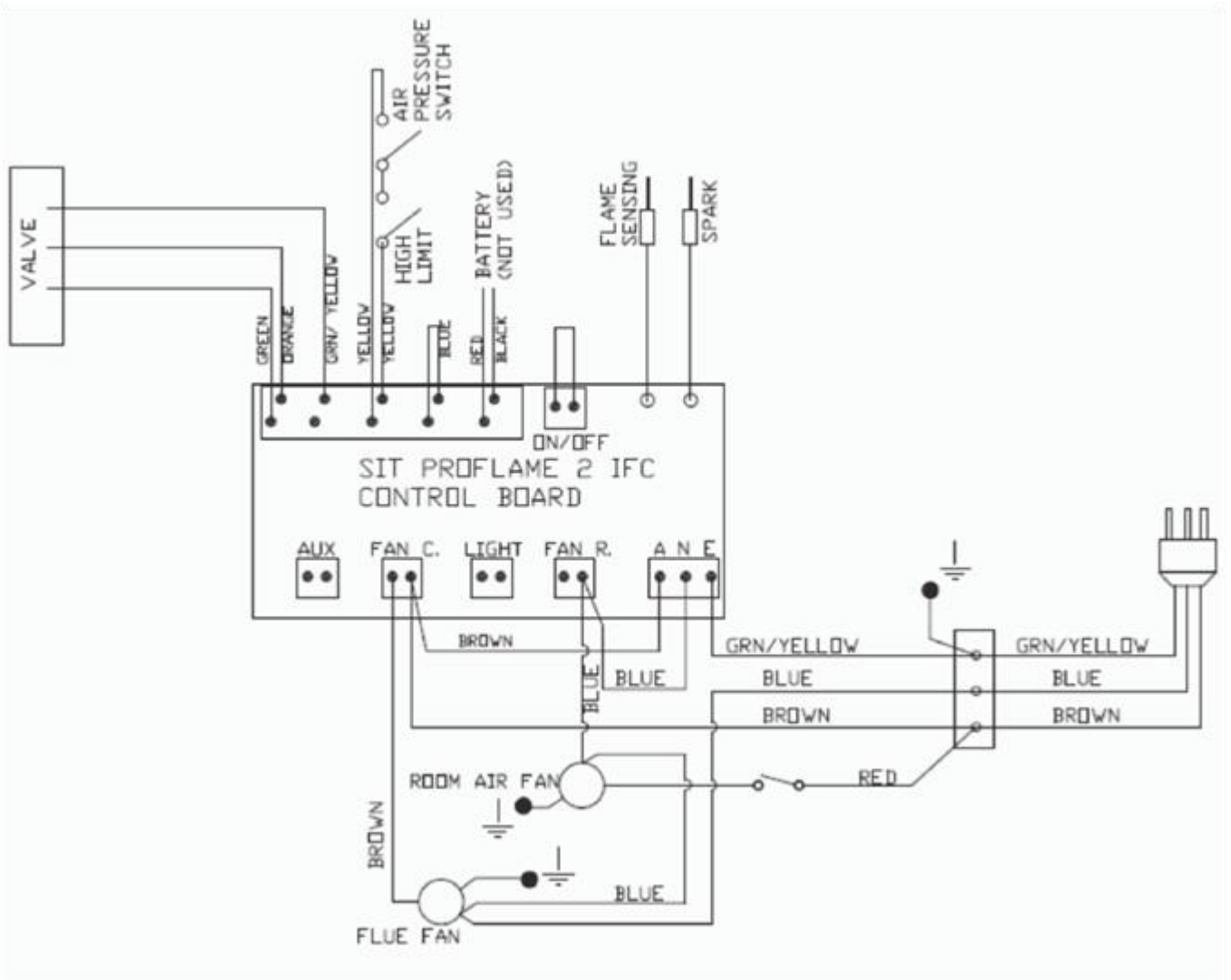


FAULT CODES

Gas Valve controller – no fault codes available.
Remote – no faults codes available.

If your fireplace still does not operate correctly consult your dealer, installer or gas service technician.
All service and repairs should be performed by an authorised agency
All spare parts are available from Glen Dimplex Australia Pty Ltd.

WIRING DIAGRAM



AERATION ADJUSTMENTS and BURNER SIZES

1. The primary air is entrained through the aeration cap located at the end of the burner. The aeration cap is factory preset to Natural Gas Driftwood media. Note – for LPG conversion the burner will change - refer table below

MODEL	NAT GAS	LPG
800	26.5 diameter open area	26.5 diameter open area
Inspire 700 Driftwood	22.0	22
Inspire 700 Pebbles	20.0	NA
Inspire 900 Driftwood	16.0	20.0
Inspire 900 Pebbles	12.0	NA
Inspire 1100 Driftwood	22.0	26.0
Inspire 1100 Pebbles	16.0	NA

2. Fan restrictor (mounted in outlet tube of power flue fan) – 31.8mm diameter
3. Burner sizes - models for appliance

Inspire 700 Nat Gas Inspire 700 LPG	BEKEART Furigas- 0346	440mm long	50mm diameter
Inspire 900 Nat Gas	KEEGAS BURNER BE- SS555-527WF-N5	555mm long	50mm diameter
Inspire 900 LPG Inspire 1100 LPG	BEKAERT- 1647	555mm long	50mm diameter
Inspire 1100 Nat Gas	KEEGAS burner BE-SS800-770WF-N5	800mm long	50mm diameter

CONVERSION DETAILS - Natural gas /LPG

INSPIRE 700 MODEL

Valve, pilot injector, main burner injector and burner aeration cap must be changed to suit gas type.

VALVE CHANGE

1. Turn appliance off.
2. Turn gas supply off.
3. Remove trim.
4. Disconnect gas pipe from isolation valve to burner.
5. Remove retaining nuts from electrical tray and slide tray forward.
6. Disconnect gas pipe from valve outlet.
7. Disconnect valve wires from ignition pack.
8. Remove valve from electrical tray (3 retaining screws)
9. Remove gas pipe connections from valve and fit to correct gas type valve.
10. Reattach valve to mounting plate.
11. Reconnect valve wires from ignition pack.
12. Reconnect gas pipe to the valve outlet and the inlet pipe.
13. Slide electrical tray into position and attach / tighten retaining nuts.
14. Connect gas pipe to isolation valve.
15. Ensure all connections are tight.
16. Connect gas and leak test connections up to the gas valve.

PILOT AND INJECTOR CHANGE

1. Remove firebox door (6 screws)
2. Remove media from firebox.
3. Remove rear media support.
4. Remove front media support (2 screws accessed from electrical area)
5. Lift out front media support
6. Loosen retaining nut from end of burner and lift burner out.
7. Remove injector and replace with correct gas type injector, ensure injector is tightened into holder.
8. Unclip pilot head and lift off.
9. Undo pilot spud using Allen key from above
10. Refit correct pilot spud, fully tighten
11. Refit fit pilot head and clip into place
12. Remove aeration cap from burner and replace with correct model.
13. Refit burner – try to rotate burner to ensure burner is in its location slot. Replace holding nut at end of burner and tighten to secure the burner.
14. Refit front media support and the side trays
15. Refit media as per media setup (refer previous section in instructions)
16. Refit firebox door.
17. Fit manometer to TPP
18. Set pilot adjustment screw as recommended in PILOT ADJUSTMENT SECTION.
19. Start appliance and check for gas leaks.
20. Start appliance and check burner pressure.
21. Check appliance for correct flame operation
22. Remove manometer and tighten gas test point.
23. Check for gas leaks.
24. Check door and appliance for spillage or CO leakage.
25. Turn appliance off.
26. Refit front trim.

INSPIRE 900 MODEL

Valve, pilot injector, burner, main burner injector and burner aeration cap must be changed to suit gas type.

VALVE CHANGE

1. Turn appliance off.
2. Turn gas supply off.
3. Remove trim.
4. Disconnect gas pipe from isolation valve to burner.
5. Remove retaining nuts from electrical tray and slide tray forward.
6. Disconnect gas pipe from valve outlet.
7. Disconnect valve wires from ignition pack.
8. Remove valve from electrical tray (3 retaining screws)
9. Remove gas pipe connections from valve and fit to correct gas type valve.
10. Reattach valve to mounting plate.
11. Reconnect valve wires from ignition pack.
12. Reconnect gas pipe to the valve outlet and the inlet pipe.
13. Slide electrical tray into position and attach / tighten retaining nuts.
14. Connect gas pipe to isolation valve.
15. Ensure all connections are tight.
16. Connect gas and leak test connections up to the gas valve.

PILOT AND INJECTOR CHANGE

1. Remove firebox door (6 screws)
2. Remove media from firebox.
3. Remove rear media support.
4. Remove front media support (2 screws accessed from electrical area)
5. Lift out front media support
6. Loosen retaining nut from end of burner and lift burner out.
7. Remove injector and replace with correct gas type injector, ensure injector is tightened into holder.
8. Unclip pilot head and lift off.
9. Undo pilot spud using Allen key from above
10. Refit correct pilot spud, fully tighten
11. Refit fit pilot head and clip into place
12. Fit correct aeration cap to the correct burner.
13. Refit burner – try to rotate burner to ensure burner is in its location slot. Replace holding nut at end of burner and tighten to secure the burner.
14. Refit front media support
15. Refit media as per media setup (refer previous section in instructions)
16. Refit firebox door.
17. Fit manometer to TPP.
18. Set pilot adjustment screw as recommended in PILOT ADJUSTMENT SECTION.
19. Start appliance and check for gas leaks.
20. Start appliance and check burner pressure.
21. Check appliance for correct flame operation
22. Remove manometer and tighten gas test point.
23. Check for gas leaks.
24. Check door and appliance for spillage or CO leakage.
25. Turn appliance off.
26. Refit front trim.

INSPIRE 1100 MODEL

Valve, pilot injector, burner, main burner injector, burner aeration cap and rear burner shield must be changed to suit gas type.

VALVE CHANGE

1. Turn appliance off.
2. Turn gas supply off.
3. Remove trim.
4. Disconnect gas pipe from isolation valve to burner.
5. Remove retaining nuts from electrical tray and slide tray forward.
6. Disconnect gas pipe from valve outlet.
7. Disconnect valve wires from ignition pack.
8. Remove valve from electrical tray (3 retaining screws)
9. Remove gas pipe connections from valve and fit to correct gas type valve.
10. Reattach valve to mounting plate.
11. Reconnect valve wires from ignition pack.
12. Reconnect gas pipe to the valve outlet and the inlet pipe.
13. Slide electrical tray into position and attach / tighten retaining nuts.
14. Connect gas pipe to isolation valve.
15. Ensure all connections are tight.
16. Connect gas and leak test connections up to the gas valve.

PILOT AND INJECTOR CHANGE

1. Remove firebox door (6 screws)
2. Remove media from firebox.
3. Remove rear media support.
4. Remove front media support (2 screws accessed from electrical area)
5. Lift out front media support
6. Loosen retaining nut from end of burner and lift burner out.
7. Remove rear media support plate from rear burner shield.
8. Remove rear burner shield from appliance.
9. Remove air director and refit screws to plug holes.
10. Fit new correct model rear burner shield.
11. Fit existing rear media supports back into place.
12. Remove injector and replace with correct gas type injector, ensure injector is tightened into holder.
13. Unclip pilot head and lift off.
14. Undo pilot spud using Allen key from above
15. Refit correct pilot spud, fully tighten
16. Refit fit pilot head and clip into place
17. Fit correct aeration cap to the correct burner.
18. Refit burner – try to rotate burner to ensure burner is in its location slot. Replace holding nut at end of burner and tighten to secure the burner.
19. Refit front media support
20. Refit media as per media setup (refer previous section in instructions)
21. Refit firebox door.
22. Fit manometer to TPP.
23. Set pilot adjustment screw as recommended in PILOT ADJUSTMENT SECTION.
24. Start appliance and check for gas leaks.
25. Start appliance and check burner pressure.
26. Check appliance for correct flame operation
27. Remove manometer and tighten gas test point.
28. Check for gas leaks.
29. Check door and appliance for spillage or CO leakage.
30. Turn appliance off & refit the trim.

PARTS LIST

1	Valve	
2	SIT Pilot assembly	
3	Injector	
4	Burner	
5	Remote control	
6	Sit Ignition pack / gas control	



Website:

www.realflame.com.au

www.realflame.co.nz

Telephone:

AU: 1300 554 155

NZ: +64 9 274 8265

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