

Installation & Maintenance Manual



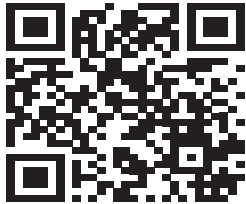
MONTIGO[®]
the art of **fireplaces**

PRODIGY II SERIES

INDOOR GAS FIREPLACE

SINGLE SIDED, SEE-THROUGH, LINEAR FIREPLACE

Natural Gas or Propane Gas



SCAN THE QR CODE OR
VISIT THE WEBSITE TO
VIEW THE MOST RECENT

WWW.MONTIGO.COM/PRODUCT-GUIDES



- The installation of this fireplace must be done by a qualified and certified gas appliance installer.
- Check local codes and read all instructions prior to installation.

⚠ WARNING:

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Leave the building immediately.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas fitter.

**NATIONAL
FIREPLACE
INSTITUTE**



We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute[®] (NFI) as NFI Gas Specialist.

NOTICE

Installer: Leave this manual with the appliance.
Consumer: Retain this manual for future reference.

⚠ CAUTION

Installation and service must be performed by a qualified installer, service agency or the gas fitter.

⚠ DANGER

Read and understand this manual. Improper installation, adjustment, alteration, service or maintenance can cause serious injury, property damage or even death. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

⚠ WARNING

Some materials used in the manufacturing process of this product can expose you to Benzene which is known in the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov

Safety Alert Key

DANGER

Indicates a hazardous situation which, if not avoided, **WILL** result in death, or serious injury or property damage.

WARNING

Indicates a hazardous situation which, if not avoided, **COULD** result in death, serious injury or property damage.

CAUTION

Indicates a hazardous situation which, if not avoided, **WILL** result in minor or moderate injury.

NOTICE

Indicates practices that are important, but not related to personal injury.

Introduction

Congratulations on your purchase of a Montigo Fireplace.

With over 40 years of experience, Montigo is committed to providing you with a gas fireplace that is not only a beautiful addition to your space, but that is also designed and manufactured to the highest safety, reliability and engineering standards.

We strongly encourage you to read and carefully follow the instructions laid out in this Installation, Operation and Maintenance Manual and retain it for your future reference. Pay special attention to all cautions, warnings, and notices throughout this manual intended to ensure your safety.

This manual covers installation, operation and maintenance. Lighting, operation and care of this fireplace can be easily performed by the homeowner. All installation and service work should be performed by a qualified or licensed installer, plumber or gas fitter as certified by the state, province, region or governing body where the fireplace is being installed.

This installation, operation and maintenance manual is applicable to the models described in Figure 1. Refer to your rating plate to verify included options.

Warranty and Installation Information: (See Appendix B)

The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:

- Modification of the fireplace and/or components including power vent module or glass.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.

Consult your local Gas Inspection Branch on installation requirements for factory-built gas fireplaces. Installation and repairs should be done by a qualified contractor.

DANGER



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

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Section A: Before You Begin

IMPORTANT MESSAGE: SAVE THESE INSTRUCTIONS

The fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the Local Gas Branch to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with the manufacturers instructions and all applicable codes.

NOTICE

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.

NOTICE

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

NOTICE

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.

NOTICE

Clothing or other flammable material should not be placed on or near the appliance.

NOTICE

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.

Unit Overview

- Prodigy series fireplaces are supplied as a complete system consisting of firebox and power vent termination (roof mount, wall mount, or inline). The venting required for the operation of the system must be field supplied.

Power vent:

- Details on power venting can be found in Section 2.
- Flue Venting: The flue pipe installed from the firebox to the power vent module is field supplied and must be UL or ULc listed type B vent pipe with an I.D. dimension as shown.
- NOTE FOR INLINE POWER VENT INSTALLATION: The flue pipe from the outlet side of the inline power vent to the exterior of the building must be a positive pressure pipe system. The exhaust gases in this portion of the vent system are under positive pressure during operation; an unsealed vent pipe will allow exhaust gases to enter the living space.
- Should the power vent cease to function or not provide adequate draft at anytime during operation of the unit, the flue gas vacuum pressure safety switch will prevent operation of the fireplace.

Combustion Air:

- The combustion air or fresh air supply connections must be piped to ensure no reduction or restriction to the air supply occurs.
- The amount of air required to safely and efficiently run this unit has been pre-determined and must not be altered without consultation with the factory. A heat sensor switch will turn off the burner if a restricted fresh air intake causes vent temperatures to rise.
- Some locations allow for fresh air to be drawn from the room in which the fireplace is installed. This type of installation is acceptable from a functional perspective so long as adequate free air is available in the room, but local codes may not allow this type of air supply. Always check local regulations for air supply before installing the fireplace.

Certification

This appliance was listed by CSA Certification Inc to the following USA and Canadian gas appliance standards.

- ANSI Z21.50-2019 / CSA 2.22-2019 Vented Decorative Gas Appliances
- CSA 2.17-2017 – Gas-Fired Appliances for Use at High Altitudes.

The listing label is attached to the appliance next to the control tray.

Vented decorative gas appliance: not a source of heat; not for use with solid fuel.

Please contact Empire Comfort Systems, if you have any questions regarding the certification of this appliance. Electrical equipment and wiring supplied on this appliance is in compliance with the applicable clauses of the Standard for Electrical Features of Fuel Burning Equipment, CSA C22.2 No. 3.

When installing this appliance beyond 4500 ft. (1372 M) above sea level, the appliance must be properly de-rated and installed according to local codes. In the absence of local codes in accordance with the current National Fuel Gas Code, ANSI Z223.1/ NFPA 54 in the US, or Installation Code, CAN/CGA-B149, in Canada.

This appliance must be installed by a qualified gas appliance installer. The installation must conform with the local codes or, in the absence of local codes, with the current National Fuel Gas Code ANSI Z223.1/ NFPA 54 , or the Natural Gas and Propane Installation Code, CAN B149.1. Electrical connections and grounding must conform with local code, or current National Electrical code ANSI/NFPA No. 70 in the US, and in Canada the current Canadian Electrical Code Part I, CSA C22.1. A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24CFR, Part 3280, or, when such a standard is not applicable, the Standard for Fire Safety Criteria for Manufactured Home Installation Site and Communities, ANSI/NFPA 501A, in the United States, or the Standard for Manufactured Homes, CAN/CSA-Z240 MH Series, in Canada. **We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute®(NFI) as NFI Gas Specialists.**

Provide adequate clearance around air openings for combustion and ventilation air. Never obstruct front openings.

Provide adequate clearances for proper operation and servicing of the appliance.

This appliance must be properly connected to an approved venting system and must not be connected to a chimney flue serving a separate solid fuel burning appliance.

Do not operate with cracked or broken glass. Be careful not to strike or slam the glass. Never use abrasive cleaners or clean when hot.

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to the appliance, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from the hot surfaces.

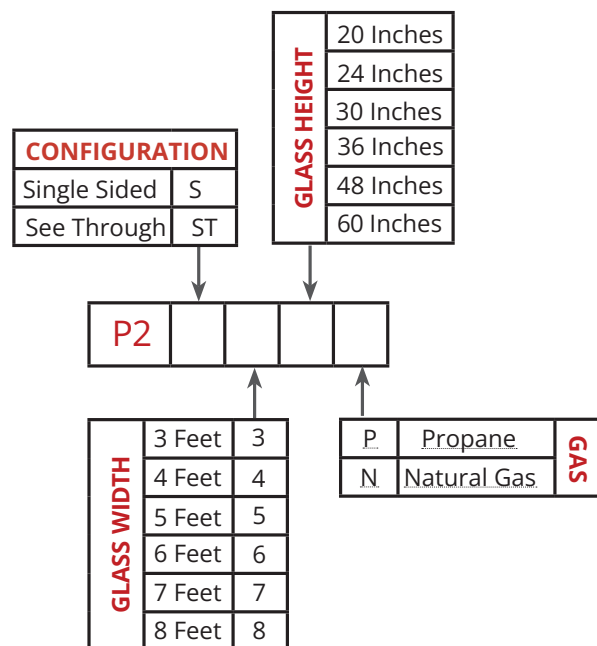
A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

Installation and Repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that the control compartments, burners and circulating air passageways of the appliance are kept clean. Periodic examination of venting systems by a qualified agency.

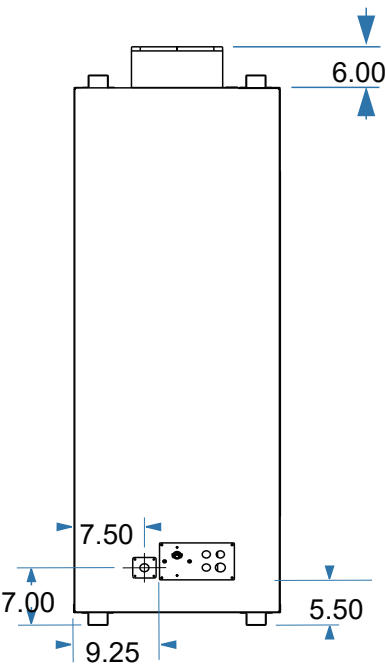
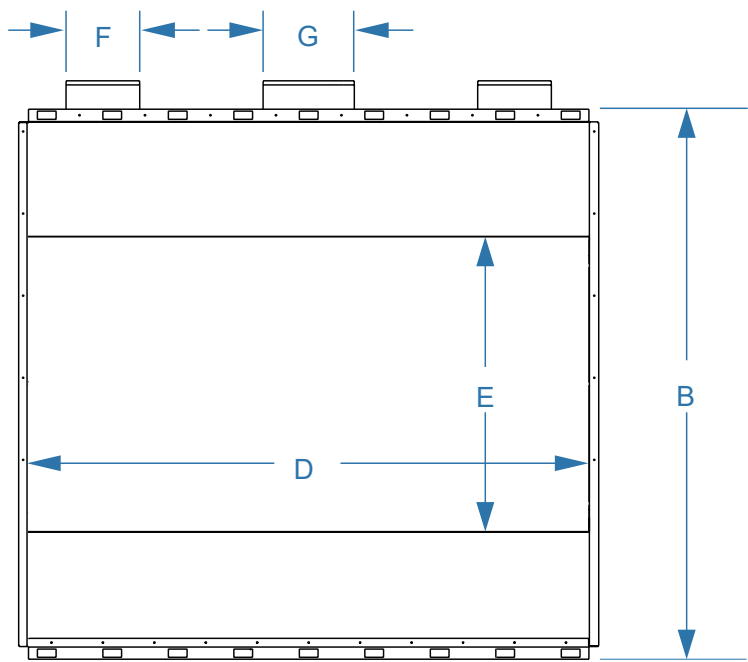
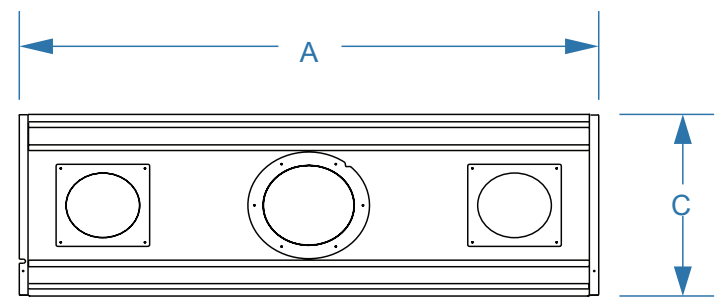
Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

PRODIGY II SPECIFICATIONS						
	P2S3 P2ST3	P2S4 P2ST4	P2S5 P2ST5	P2S6 P2ST6	P2S7 P2ST7	P2S8 P2ST8
MAXIMUM INPUT NATURAL GAS (BTU/HR)	43,500 BTU	58,000 BTU	71,000 BTU	87,000 BTU	101,500 BTU	116,000 BTU
MAX INPUT PROPANE (BTU/HR)	39,000 BTU	51,000 BTU	64,000 BTU	78,000 BTU	90,000 BTU	102,000 BTU
INTAKE REQUIRED	1 X 8"	1 X 8"	1 X 8"	2 X 8"	2 X 8"	2 X 8"
EXHAUST REQUIRED	1 X 10"	1 X 10"	1 X 10"	1 X 10"	1 X 10"	1 X 10"
ELECTRICAL REQUIREMENTS	120VAC, 15A	120VAC, 15A	120VAC, 15A	120VAC, 15A	120VAC, 15A	120VAC, 15A
POWERVERT ROOF	PVWH200	PVWH200	PVWH200	PVWH300	PVWH300	PVWH300
POWERVERT WALL MOUNT	PVWH200	PVWH200	PVWH200	PVWH300	PVWH300	PVWH300
INLINE PWOERVENT	PVIN10	PVIN10	PVIN10	PVIN10	PVIN10	PVIN10

Prodigy II Code Breakdown



Section 1: Product Dimensions

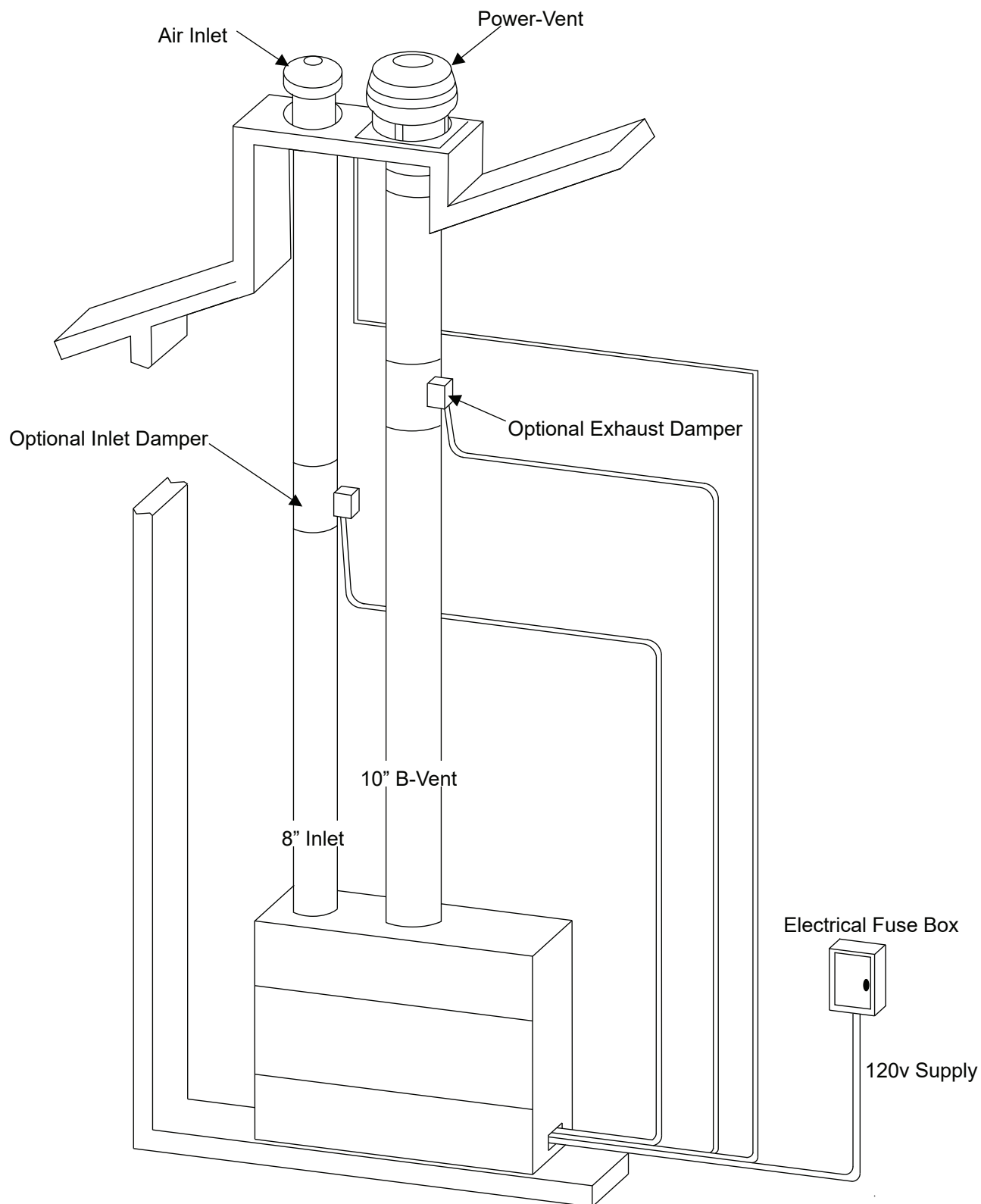


Single Sided Dimensions S / See-through Dimensions ST

	VIEWING WIDTH (D)	OVERALL WIDTH (A)	VIEWING HEIGHT (E)	OVERALL DEPTH (C)	OVERALL HEIGHT (B)	EXHAUST (G)	INTAKE(S) (F)
P2S/ST ³	36"	38"	20"	23" / 22"	51"	10"	1x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		
P2S/ST ⁴	48"	50"	20"	23" / 22"	51"	10"	1x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		
P2S/ST ⁵	60"	62"	20"	23" / 22"	51"	10"	1x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		
P2S/ST ⁶	72"	74"	20"	23" / 22"	51"	10"	2x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		
P2S/ST ⁷	84"	86"	20"	23" / 22"	51"	10"	2x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		
P2S/ST ⁸	96"	98"	20"	23" / 22"	51"	10"	2x8"
			24"		55"		
			30"		61"		
			36"		67"		
			48"		79"		
			60"		91"		

Note: Add 3-1/2" at Overall Height for Flue / Intake collars

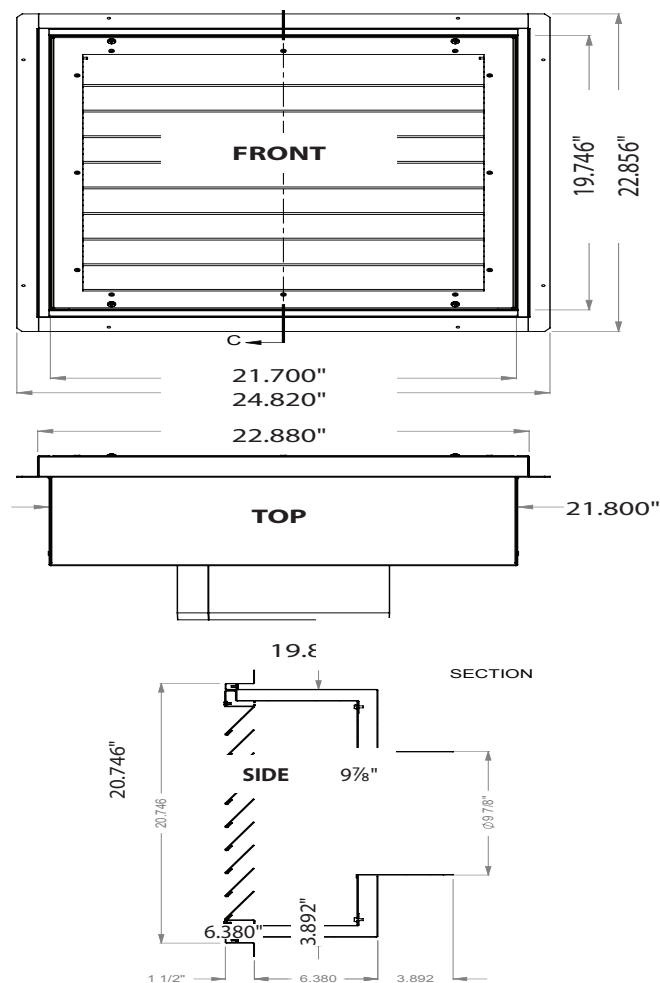
Section 2: Power Vents



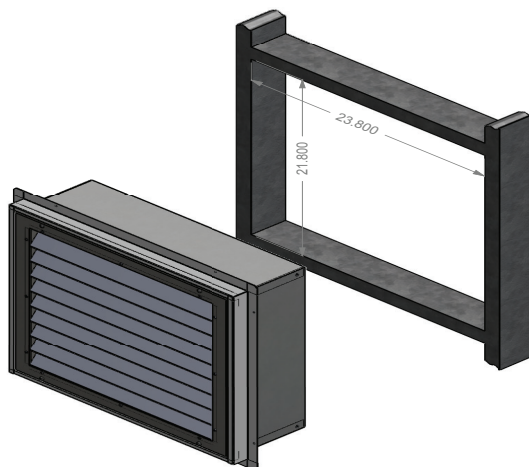
NOTICE

Maintain at least 1" clearance to combustibles all around the flue gas box. This flue gas box is only to be used with Montigo fireplace

Flue Gas Louvered Exhaust Termination 10" Box

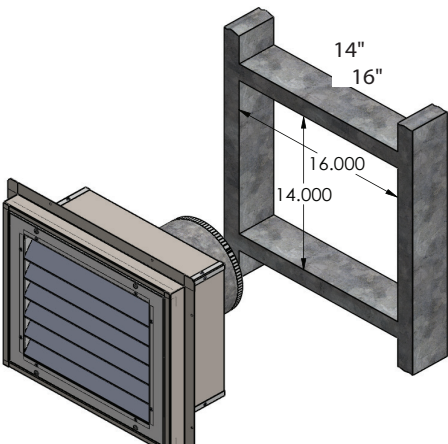
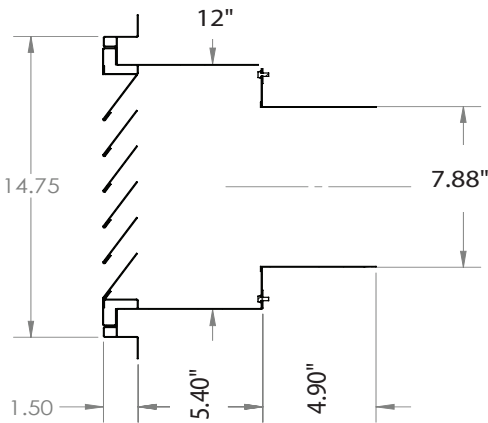
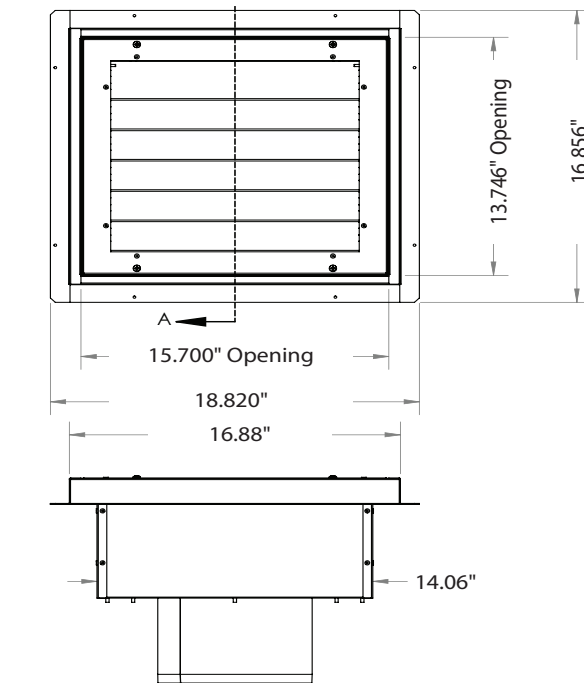


10" Box Framing

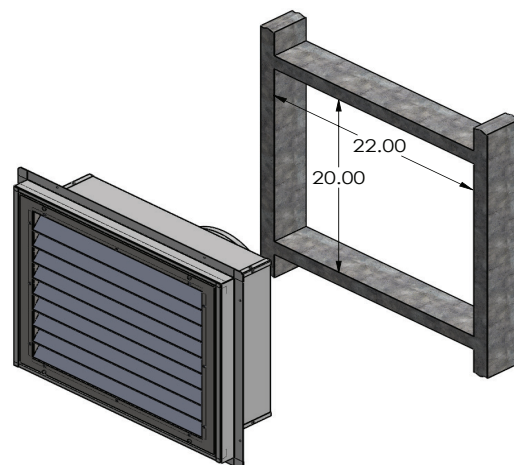
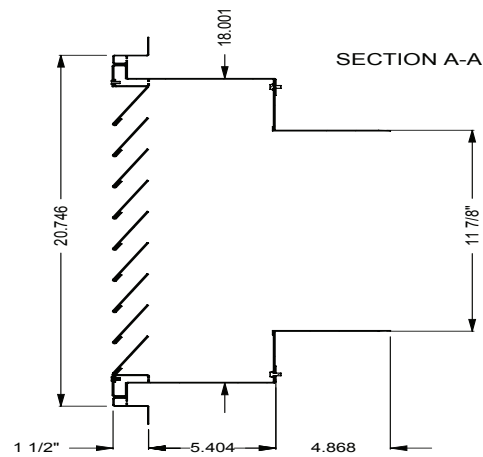
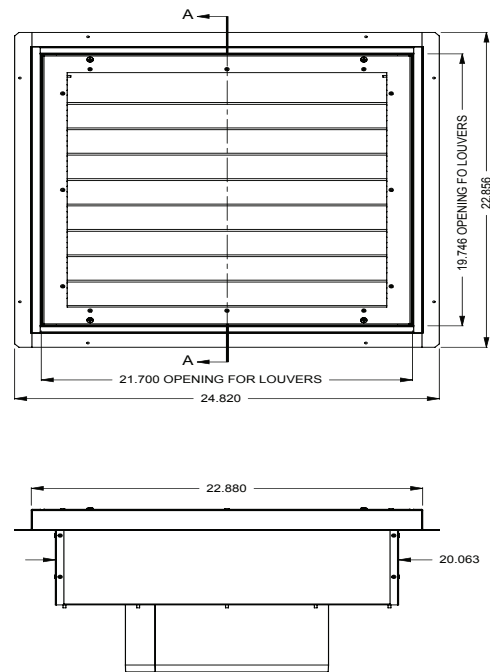


Combustion Air Louvered Intake

8" Box Framing



12" Box Framing



Installing the Power Vent Termination

- Secure the termination and its frame using appropriately rated fasteners.

ALLOWABLE EXHAUST VENT RUNS (B VENT)

MIN VENT RUN	MAX VENT RUN	ELBOWS
3'	110' (Including 3 elbows)	3 @ 90°

ALLOWABLE EXHAUST DOWNWARD VENT RUN

FOR EVERY 1' IN DOWNWARD VENT, DEDUCT 5' FROM TOTAL ALLOWABLE VENT RUN (MAX. OF 8' TOTAL DOWNWARD)

ALLOWABLE INTAKE VENT RUNS (B OR C VENT)

MIN VENT RUN	MAX VENT RUN	ELBOWS
3'	110' (Including 3 elbows)	3 @ 90°

- If more than 3 elbows are required, the maximum allowable vent run must be decreased by 15' for each additional elbow. For example, a vent run with 9x 90° elbows has a maximum vent run distance of 20 feet.
- Should the vent run fall outside of the parameters shown, please contact a Montigo representative to discuss other options.

Roof or Wall Mount Power Vent Installation

- Prodigy series fireplaces are certified for use with any UL listed type B-venting components (B-Vent required for flue gas only). Use of other non certified parts will void the Montigo warranty, and may impede the operation of the fireplace.
- The vent run should not exceed distances described in allowable exhaust table. If your vent run does not meet these requirements please contact your local Montigo representative.
- Install components and fittings using the clearances specified by the B-Vent manufacturer.
- All joints must be secured as per the instructions provided by the B-Vent manufacturer.
- The exhaust portion of a vent termination must not be recessed in a wall cavity.
- Horizontal runs must be supported by a minimum of three supports per 10 feet of venting.
- It is important that the location of the power vent motor is not exposed to a downfall of water in excess of the standard rain fall.
- Before installing the termination or venting, check to ensure the planned termination location is acceptable.

Combined Combustion Air Ducts 6ft,7ft,8ft Only

Combining combustion air ducts is sometimes required to facilitate field installation of the Prodigy models.

This is easily done when the same equivalent free air area is maintained or exceeded.

For example find the equivalent single air duct required for two 8" intake. This requires 50.3 inches per 8" round an equivalent single duct would require 100.6 square inches of free air area. The equivalent round duct for this would be 12" diameter.

COMMON COLLAR SIZES (IN DIAMETER)	AREA (IN SQ)
4	12.6
5	19.6
6	28.3
8	50.3
10	78.5
12	113.1
14	153.9
16	201.1

A transitional plenum or "Y" could be used above the unit and the two single 8" ducts can run from the plenum/wye to the top of the unit and the vent to the outside in 12" diameter duct.

The Prodigy II is certified for the following venting:
Exhaust: 10" certified B-Vent.

- Only Montigo approved power vents are allowed to be used.
- The exhaust must be terminated to the exit of the build.
- All pipe and elbow joints must be sealed. This includes the longitudinal seam on the pipe. High temp RTV silicone and/ or foil tape must be used on each joint/seam. Failure to do so may cause lack of vacuum and may not trigger the vacuum switch.

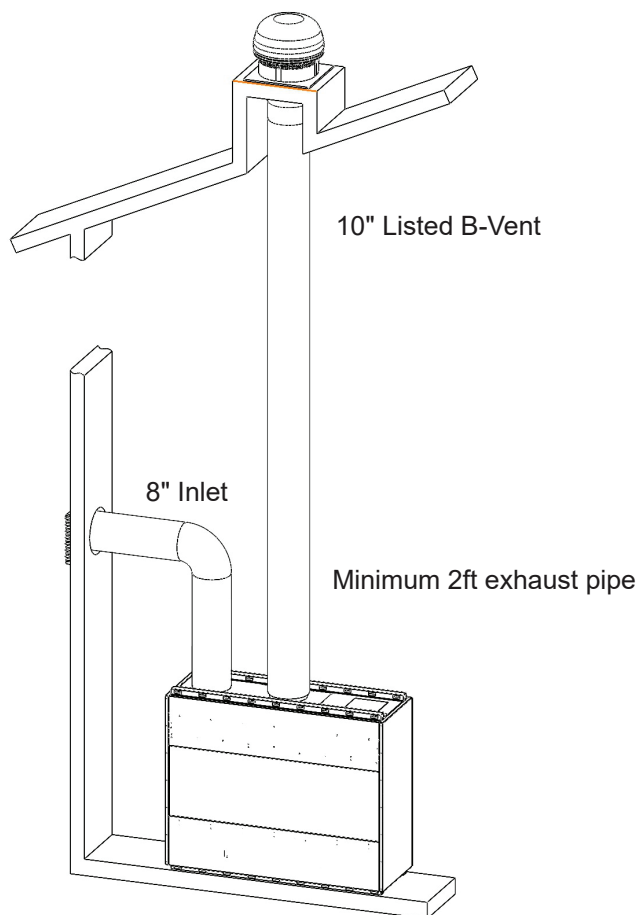
Inlet: 8" B-Vent, or aluminum flex.

- It is recommended that the inlet be exited to similar pressure zone to aid the balancing of air flow.
- The inlet may be communicated to the same zone as the unit installation zone as long as the zone has suitable make up air.

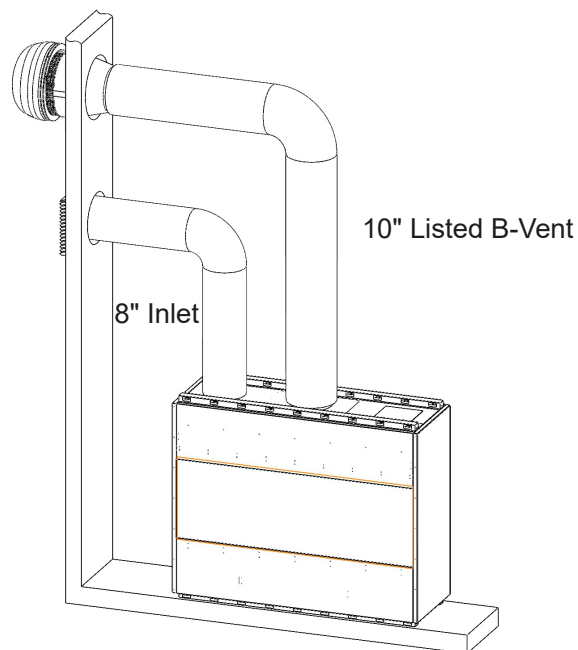
Example Vent Runs

ALWAYS CHECK LOCAL CODES FOR VENTING

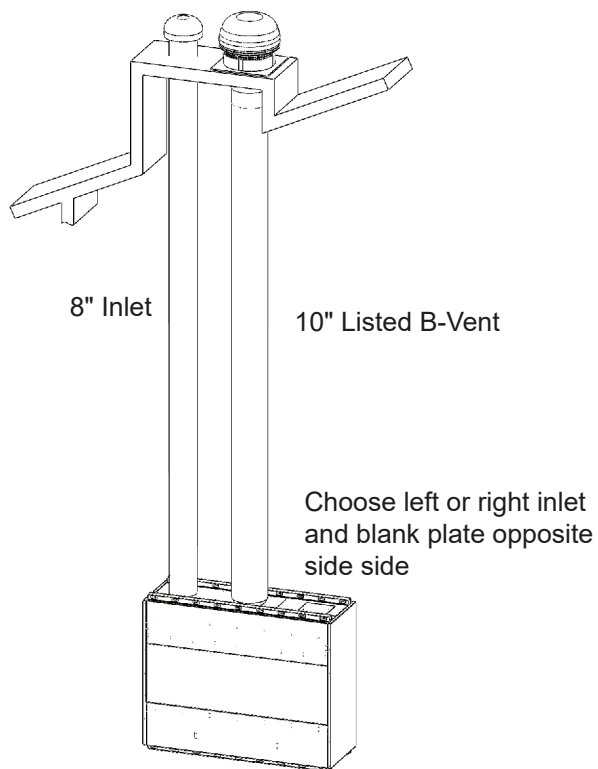
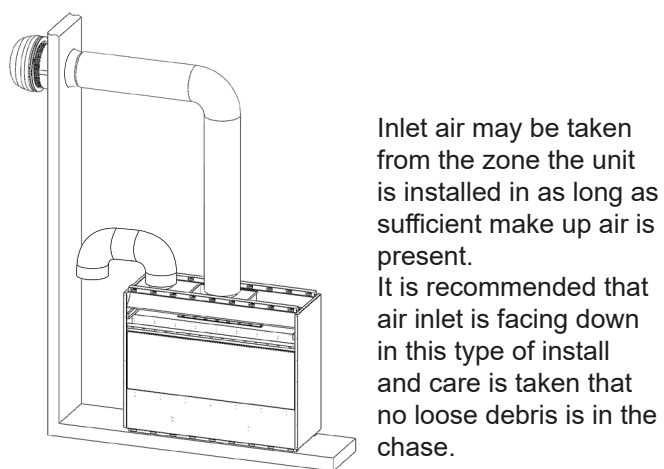
Vertical exhaust / Side wall air intake



Side wall exhaust/ Side wall air intake



Vertical Exhaust / Vertical air inlet



IN-LINE POWER VENTING

An in-line power vent (RSIF series from Enervex) is approved for use with Prodigy II.

Vent runs after the in-line power vent must use a pressure approved pipe. If you use B-Vent after an in-line power vent it is crucial that all pipe and elbow joints, and the longitudinal seams are sealed using an high heat approved mastic or foil tape.

Inline Power Vent Installation

Installation from fireplace to PV (negative pressure system)

- Prodigy series fireplaces are certified for use with any approved UL certified type B venting components. Use of other noncertified parts will void the Montigo warranty, and may impede the operation of the fireplace.
- The vent run should not exceed distances described in Table. If your vent run does not meet these requirements please contact your local Montigo representative.
- Install components and fittings using the clearances specified by the B-Vent manufacturer.
- All joints must be secured as per the instructions provided by the B-Vent manufacturer.
- Horizontal runs must be supported by a minimum of three supports per 10 feet of venting.
- Select a location for the power vent that will permit an access panel for future maintenance work.
- Ensure access panel is large enough for the motor to be accessed in case it ever must be removed.
- The power vent can be mounted to any solid non-combustible surface.
- Anchoring bolts for the power vent should be rated for a minimum of 300 lbs each and be 1/4" diameter minimum.
- If suspending the power vent, some bracing mechanism should be designed to prevent any lateral movement of the equipment.

Installation from the PV to building exterior (positive pressure):

- Beyond the inline power vent, venting must be positive pressure rated with all joints sealed.
- For runs up to 30', use Montigo VPIF piping. For runs over 30' use a UL listed sealed venting system.
- The exhaust portion of a vent termination must not be recessed in a wall cavity.
- Horizontal runs must be supported by a minimum of three supports per 10 feet of venting.
- The flue gas outlet should be a louver box or termination that has equivalent free air in square inches as that of the flue collar

ALLOWABLE EXHAUST VENT RUNS (B VENT)

MIN VENT RUN	MAX VENT RUN	ELBOWS
3'	110' (Including 3 elbows)	3 @ 90°

ALLOWABLE EXHAUST DOWNWARD VENT RUN

FOR EVERY 1' IN DOWNWARD VENT, DEDUCT 5'
FROM TOTAL ALLOWABLE VENT RUN (MAX. OF 8' TOTAL
DOWNWARD)

ALLOWABLE INTAKE VENT RUNS (B OR C VENT)

MIN VENT RUN	MAX VENT RUN	ELBOWS
3'	110' (Including 3 elbows)	3 @ 90°

Installation

Adapters to increase from eight inch pipe to ten inch pipe are required on the outlet side of the in-line powervent. The adapters are included in the PVIN10. See Figure 1.

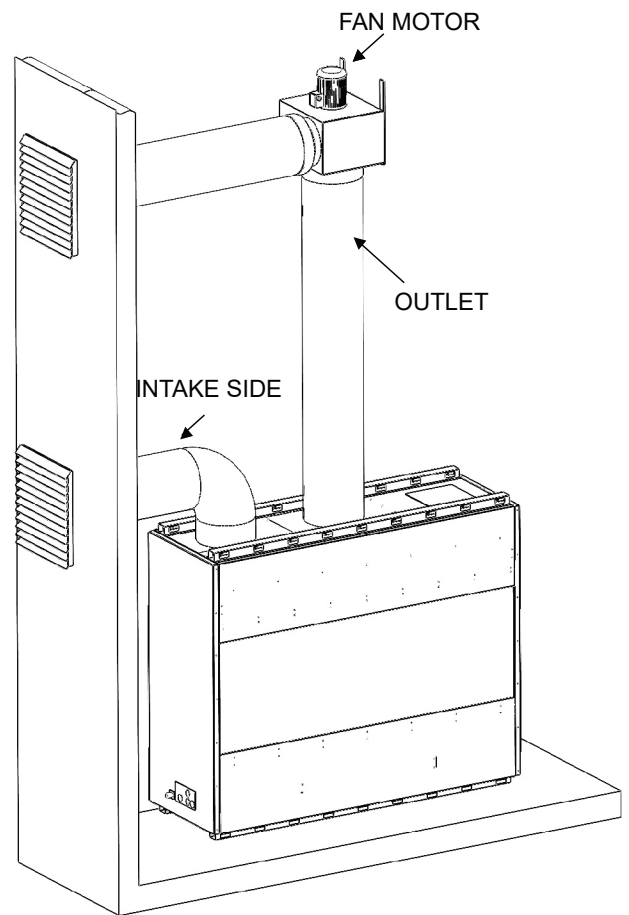


Figure 1.

Connect the adapters directly to the eight inch outlet collar of the in-line powervent, sealing the adapter joints with high temp silicone. Screw the adapter to the power vent with provided tek screws.

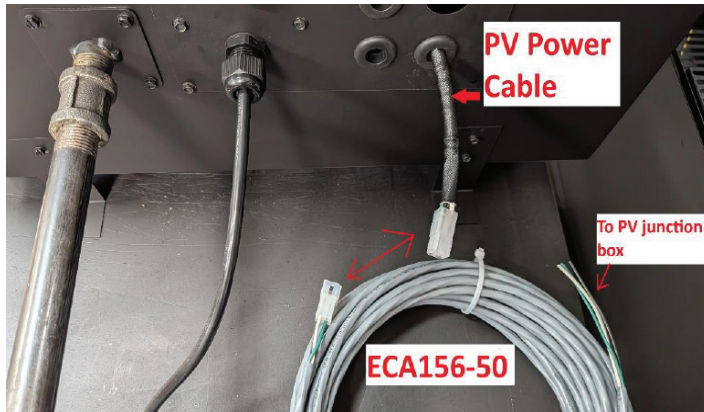


Figure 2.

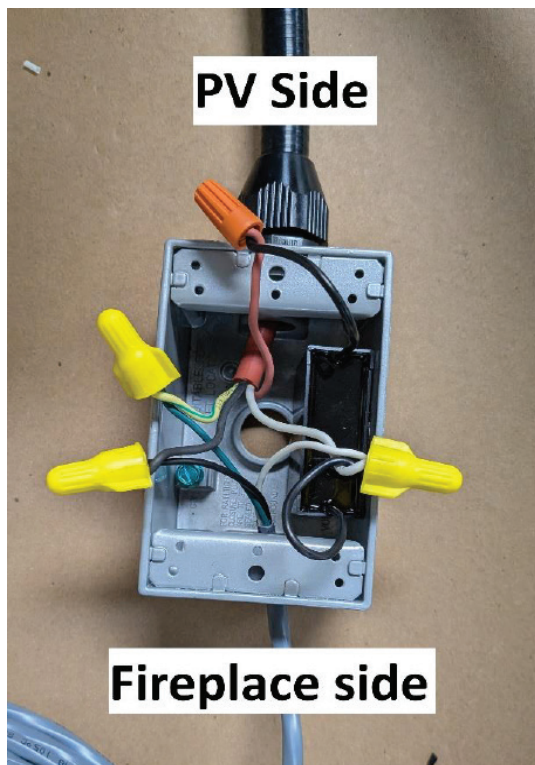


Installation

1. Prodigy II comes prewired with rheostat from factory. If there is Rheostat inside Energerv PV box, discard it. Locate PV power cable, usually dangling outside electrical plate (if not, its inside fireplace). Plug ECA156-50 (Energerv PV cable) to fireplace.



2. Hardwire the other end of PV power cable to Energerv junction box. Connect ECA156 Black to PV Black; ECA156 White to PV white and one Capacitor wire; second capacitor wire to PV red; ECA156 Green and PV Green to junction box ground stud. Make sure to use appropriate strain reliefs.



3. PVVH200 (RS014) and PVVH300 (RS016) Vertical/Horizontal PV comes with mounting adapter and reducing collar. Seal/Weather proof joints between PV head and mounting plate, stick to applicable building codes.



WARNING

DO NOT WIRE EXTERNAL 120 VAC SOURCE TO JUNCTION BOX

WARNING

Only supplied power vent cable to be wired to Energerv junction box

NOTICE

Do not discard junction box - capacitor inside

Section 3: Framing

Clearance Requirements

To ensure the fireplace operates safely, all models must maintain the following clearances:

Top	Rear	Sides	Floor	Glass †
0"	0"	0"	0"	1/8"

Figure 3. Combustible Wall Clearances

NOTES:

- † Distance from the edge of the finished materials to ensure removal of glass is possible for future cleaning and service
- **Type B-Vent pipe clearances must meet the B Vent manufacturer's recommendation.

NOTICE

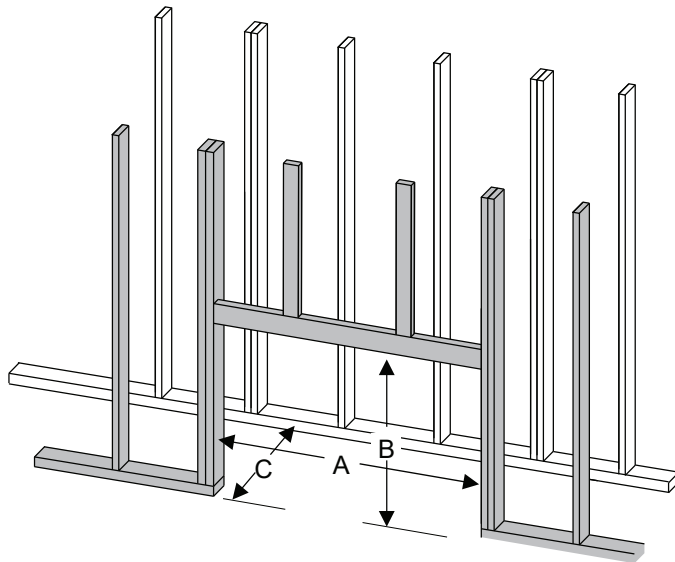
When constructing the framed opening, please ensure there is access to install the gas line when the unit is installed.

Framing

Montigo recommends that framing is performed once the unit has been placed in its final location.

- STEP 1:** Frame around the fireplace as desired. Framing can be installed on all sides of the fireplace, or only on the top and sides if a thinner finishing material will be used. Ensure access is left for connections of gas, electrical and venting as required.
- STEP 2:** Complete all venting, gas, and electrical connections.
- STEP 3:** Backframe the unit with framing materials followed by finishing materials as required. Ensure access for service as required.
- STEP 4:** Refer to Section 4: Finishing.

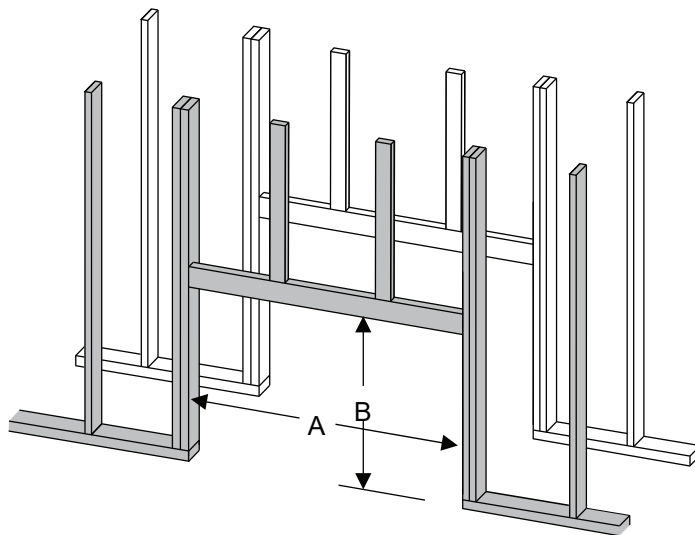
Single Sided Framing



DIMENSIONS (in inches)					
	FRAMING HEIGHT (B)	FRAMING WIDTH (A)	FRAMING Depth (C)	GLASS HEIGHT	GLASS WIDTH
P2S3	54-3/4"	38-1/4"	23-1/4"	20"	36"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S4	54-3/4"	50-1/4"	23-1/4"	20"	48"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S5	54-3/4"	62-1/4"	23-1/4"	20"	60"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	

DIMENSIONS (in inches)					
	FRAMING HEIGHT (B)	FRAMING WIDTH (A)	FRAMING Depth (C)	GLASS HEIGHT	GLASS WIDTH
P2S6	54-3/4"	74-1/4"	23-1/4"	20"	72"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S7	54-3/4"	86-1/4"	23-1/4"	20"	84"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S8	54-3/4"	98-1/4"	23-1/4"	20"	96"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	

See-Through Framing



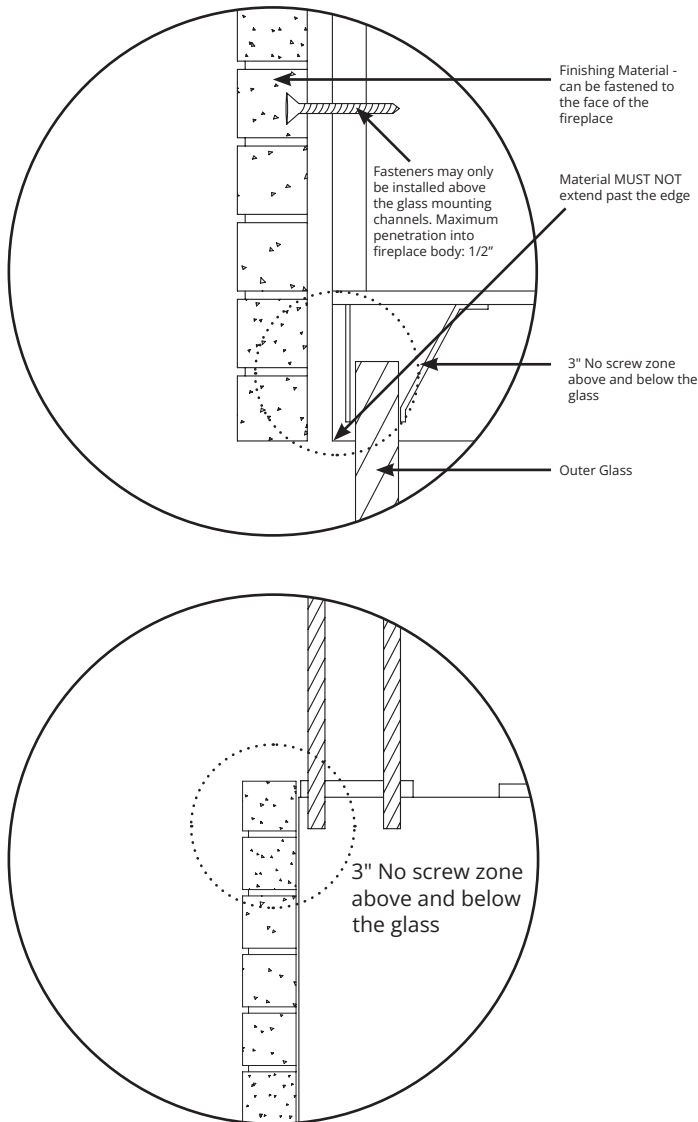
DIMENSIONS (in inches)					
	FRAMING HEIGHT (B)	FRAMING WIDTH (A)	FRAMING Depth (C)	GLASS HEIGHT	GLASS WIDTH
P2S3	54-3/4"	38-1/4"	22"	20"	36"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S4	54-3/4"	50-1/4"	22"	20"	48"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S5	54-3/4"	62-1/4"	22"	20"	60"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	

DIMENSIONS (in inches)					
	FRAMING HEIGHT (B)	FRAMING WIDTH (A)	FRAMING Depth (C)	GLASS HEIGHT	GLASS WIDTH
P2S6	54-3/4"	74-1/4"	22"	20"	72"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S7	54-3/4"	86-1/4"	22"	20"	84"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	
P2S8	54-3/4"	98-1/4"	22"	20"	96"
	58-3/4"			24"	
	64-3/4"			30"	
	70-3/4"			36"	
	82-3/4"			48"	
	94-3/4"			60"	

Section 4: Finishing

Finishing Around the Fireplace

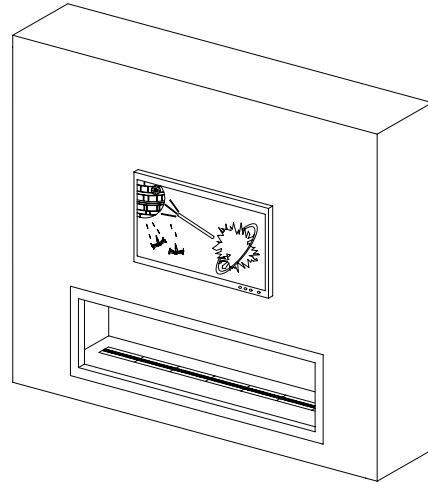
The following illustrates the suggested finishing method for the Prodigy



The Prodigy fireplace is designed for zero clearance installation. That is, combustible finishing materials may be installed directly against the fireplace body. These materials can be fastened directly to the fireplace provided the fasteners do not penetrate further than 1/2" into the unit or impede glass installation. To ensure glass can be safely removed for cleaning, it is recommended that flush finishing materials not extend more than 4" from the fireplace.

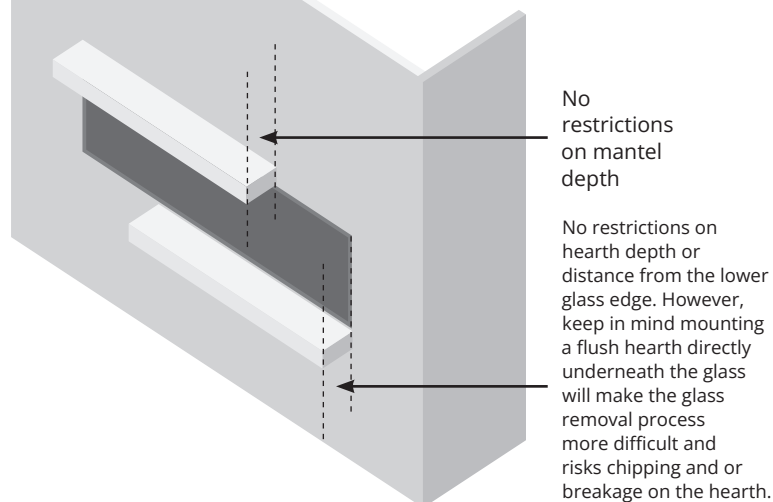
Television Installation

Montigo does not require any special clearances to be maintained between a wall mounted television and the fireplace glass. Check the TV owner's manual for any manufacturer's required clearances.



Mantle and Hearth

Combustible or non-combustible mantels and hearths may be placed above/below the top of the glass viewing area. There are no restrictions on depth for mantels, for hearth depth please refer to finishing instructions.



Section 5: Rating Plates

Before connecting the appliance to the gas supply line, double check that the appliance you have purchased is designed for the gas type you are using. The gas type markings are located on the certification label and also on the appliances gas valve.

Adequate clearance for proper installation and checking of the gas connections must be provided. All gas connections must be checked for gas leaks.



Do Not Remove
This Label

N'enlevez Pas Cette
Étiquette

Type:

Vented Decorative Gas Appliance: not a source of heat.
Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.
Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-3X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC

Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude:

N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

Max. Input Max. Entrée BTU/H	Max. Entrée kW	Output / Rendement BTU/H	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière		Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
43,500	12.7	N/A	1 @ 3.1mm		3.5" W.C.	5.5" W.C.
39,000	11.4	N/A	1 @ 1.8mm		10" W.C.	11" W.C.

For use with glass doors certified with the appliance only
Seulement pour l'usage avec des portes vitrées a certifiées pour l'appareil

*Refer to installation manual for more information.
*Référez-vous au manuel d'installation pour plus d'information.

LBA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles *Degagements Aux Combustibles	
Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"



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Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-4X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC

Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude:

N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

Max. Input Max. Entrée BTU/H	Max. Entrée kW	Output / Rendement BTU/H	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière		Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
58,000	17.0	N/A	1 @ 27DMS		3.5" W.C.	5.5" W.C.
51,000	14.9	N/A	1 @ 44DMS		10" W.C.	11" W.C.

For use with glass doors certified with the appliance only
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*Référez-vous au manuel d'installation pour plus d'information.

LBA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles *Degagements Aux Combustibles	
Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"

Installation



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Type:

Vented Decorative Gas Appliance: not a source of heat.
Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.
Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-5X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC
Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

Max. Input Max. Entrée	Output / Rendement	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière	Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
BTU/H	kW			
71,000	20.8	N/A	1 @ 19DMS	3.5" W.C.
64,000	18.8	N/A	1 @ 2.3mm	10" W.C.

For use with glass doors certified with the appliance only
Seulement pour l'usage avec des portes vitrées a certifiées pour l'appareil

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LBA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles *Degagements Aux Combustibles	
Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"



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Vented Decorative Gas Appliance: not a source of heat.
Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.
Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-6X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC
Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

Max. Input Max. Entrée	Output / Rendement	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière	Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
BTU/H	kW			
87,000	25.5	N/A	2 @ 3.1mm	3.5" W.C.
78,000	22.9	N/A	2 @ 1.8mm	10" W.C.

For use with glass doors certified with the appliance only
Seulement pour l'usage avec des portes vitrées a certifiées pour l'appareil

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I RA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles *Degagements Aux Combustibles	
Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"

Installation



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Étiquette

Type:

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Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-7X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC

Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ **Natural Gas / Gaz Naturel**

☐ **Propane / Gaz Propane**

Max. Input Max. Entrée BTU/H	kW	Output / Rendement BTU/H	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière		Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
			Front/Avant	Rear/Derrière		
101,500	29.7	N/A	1 @ 3.1mm + 1 @ 27DMS		3.5" W.C.	5.5" W.C.
90,000	26.4	N/A	1 @ 1.8mm + 1 @ 44DMS		10" W.C.	11" W.C.

For use with glass doors certified with the appliance only

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***Référez-vous au manuel d'installation pour plus d'information.**

LBA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles

*Degagements Aux Combustibles

Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"

Type:

Vented Decorative Gas Appliance: not a source of heat.

Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.

Not for use with air filters. / Pas pour l'usage avec des filtres à air.

Model No. Modèle.

P2-(S,ST,CL,CR,PF)-8X-(N,L)-(I2,I3,H,D)

Serial No.:

3 - 250915 - 000000

Manufacturer / Fabricant:

Empire Comfort Systems Canada Inc., Langley BC

Empire Comfort Systems Inc., Ferndale, WA

Tested To / Examiné À:

ANSI Z21.50-2019 / CSA 2.22-2019

Electrical Rating / Estimation Électrique: 120V / 1Ph / 60Hz / Less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ **Natural Gas / Gaz Naturel**

☐ **Propane / Gaz Propane**

Max. Input Max. Entrée BTU/H	kW	Output / Rendement BTU/H	Orifice Size / Taille D'Orifice Front/Avant Rear/Derrière		Gas Manifold Pressure / Pression D'Admission Du Gaz	Min. Gas Supply Pressure/ Min. Pression D'Alimentation Du Gaz
			Front/Avant	Rear/Derrière		
116,000	34.0	N/A	2 @ 27DMS		3.5" W.C.	5.5" W.C.
102,000	29.9	N/A	2 @ 44DMS		10" W.C.	11" W.C.

For use with glass doors certified with the appliance only

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***Refer to installation manual for more information.**

***Référez-vous au manuel d'installation pour plus d'information.**

LBA ANSI Z21.50-2019 RV. 09-15-2025

*Clearance to Combustibles

*Degagements Aux Combustibles

Sides/Côtés:	0"
Back/Derrière:	0"
Top-Top Vent/Du Haut-Évent Du Haut:	0"
Top-Rear Vent/Du Haut-Évent Arrière:	N/A
Floor/Plancher:	0"
Mantel/Manteau:	0"
Recess Depth/ Profondeur D'Encadrement:	N/A
Flue:	1"

Section 6: Wiring

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CAN/CSA C22.1

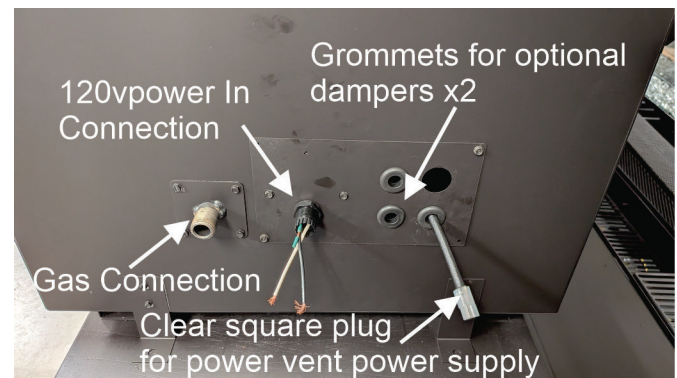
Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause dangerous operation.

NOTE: THE PRODIGY II INTERNAL WIRING SHOULD NOT BE ALTERED, EXCEPT CONNECTIONS LISTED BELOW.

Facing the front of the unit (the side where control panel is mounted), all connections can be found on the right side of the unit located, from left to right as follows:

- Gas connection.
- 120 Vac power in connection.
- Grommets for optional dampers x 2 (see damper connection section).
- Clear square plug for power vent power supply.

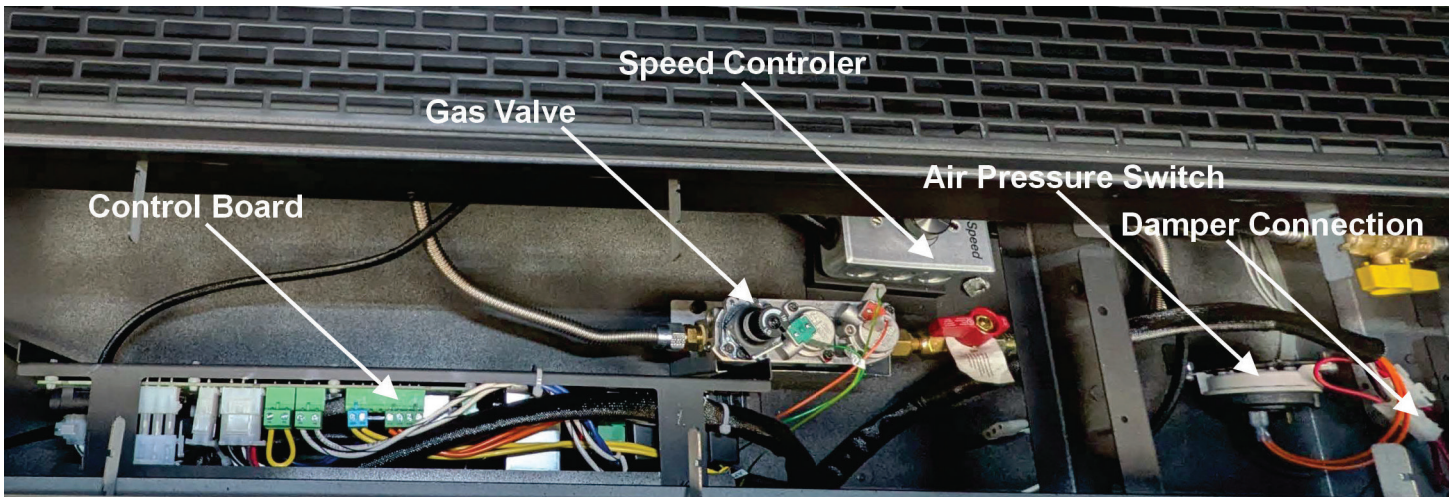
Note: Power-vent power outlet might be pushed in to the inside of fireplace and can be accessed by removing electrical mounting plate.



NOTE: To connect damper wires you may have to remove cover plate.



Electrical Component Layout



SPEED CONTROL ADJUSTMENT

The speed controller for power-vent is situated by the gas valve. PV rheostat is set at factory if adjustment is required make small changes.

System pre-purges for 60 seconds before ignition starts.

NOTE: From the speed controller's off position, the fan starts on high; turning it clockwise reduces speed. Do not reduce speed more than 50%.



⚠ CAUTION

Connecting power to the panel before all the wiring is connected may damage the panel.

⚠ CAUTION

Incorrect wiring may damage the motor and the fireplace will not function properly.

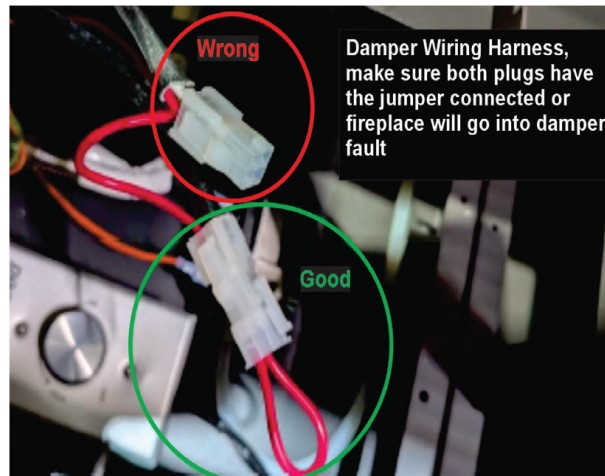
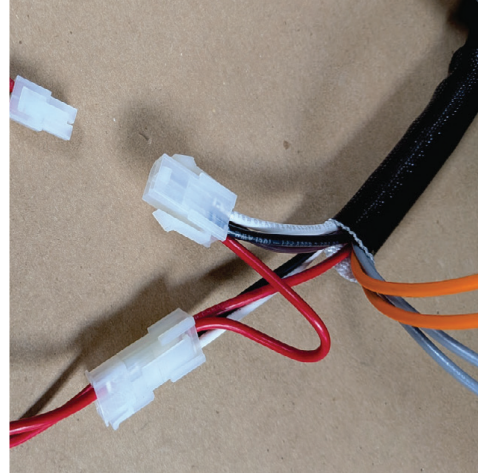
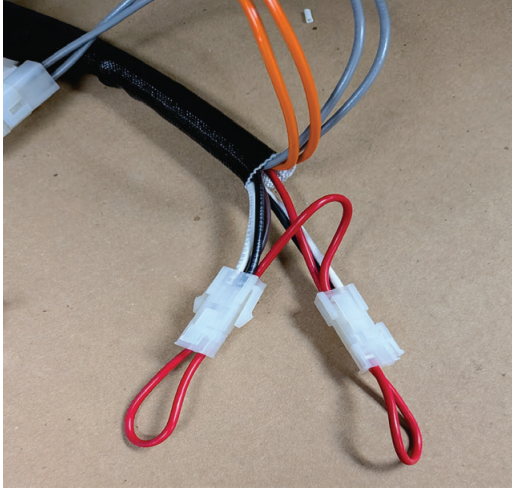
⚠ CAUTION

STOP! Before connecting this appliance to power, ensure all connections have been made to the control panel and fireplace.

The factory-supplied cable(s) must be used between the fireplace and control panel. Substituting the supplied wire is not permitted under any circumstances. Technical support will not troubleshoot if it is determined that a different wire was used, and this may result in voiding the warranty.

Damper connections (if applicable)

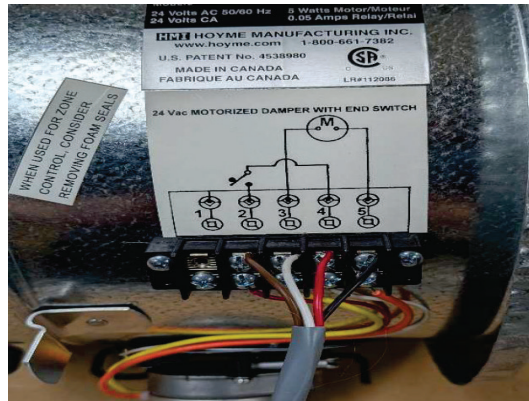
The Prodigy II is delivered with damper connection inside the unit bridged out. If unit does not fire following, check that the damper(s) are bridged out or correctly connected to damper(s). The example below shows bridged and unbridged examples.



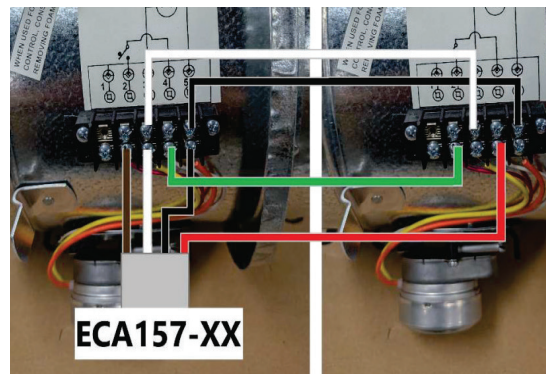
Prodigy II series fireplaces are available with optional intake and exhaust dampers that prevent airflow through the fireplace's ducting when the unit is turned off. Dampers are typically used in cold climates to prevent condensation buildup on the inside of fireplace glass or vent pipes due to the mixing of warm inside and cold outside air. When installed with a Prodigy fireplace, dampers are electrically integrated into the Montigo control panel so that no additional start-up steps are required.

Intake Dampers

Montigo Intake Damper (optional) wiring. Brown to #2; White to #3; Red to #4; Black to #5:

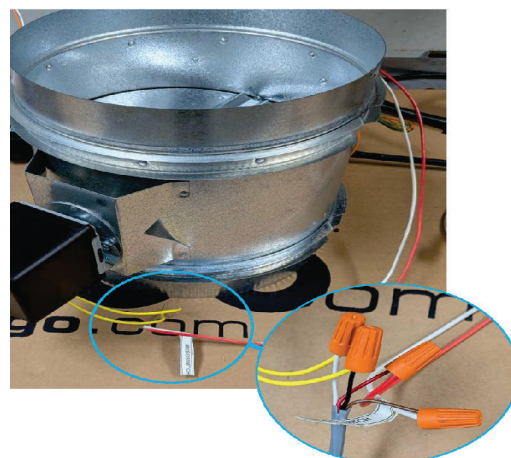


Damper motors shall be connected in Parallel to Black & White and End switches in Series to Red & Brown:



Exhaust Damper

Montigo Exhaust Damper (optional) wiring. Exhaust damper doesn't have terminal block. ECA157 Black/White to Damper Yellow/Yellow and ECA1257 Brown/Red to Damper White/Red:



Section 7: Installing the gas line

The gas connection (1/2" NPT) is located on the lower portion of the fireplace body. The manufacturer requires a service shut off valve located in an accessible location to isolate the gas supply. The gas line must be installed and tested for leaks before finishing the fireplace. The gas valve has a provision to remove a plug so that a hose barb fitting can be installed to check pressure.

Natural Gas requires a minimum inlet gas supply pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.

Propane requires a minimum inlet gas supply pressure of 11" W.C. and a manifold pressure of 10" W.C.

Maximum allowable inlet pressure for NG and Propane is 1/2 PSI.

Note: After gas line is connected, each *appliance connection, valve and valve train* must be checked while under normal operating pressure with either a liquid solution, or leak detection device, to locate any source of leakage. Tighten any areas where bubbling appears or leak is detected until bubbling stops completely or leak is no longer detected. DO NOT use a flame of any kind to test for leaks.

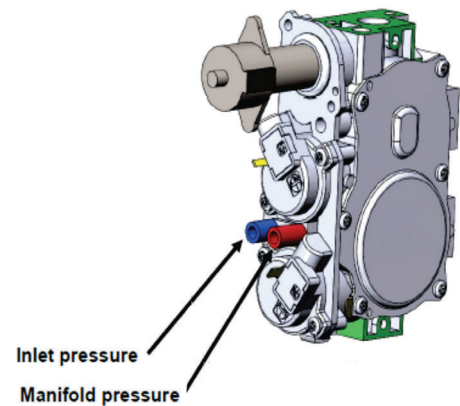
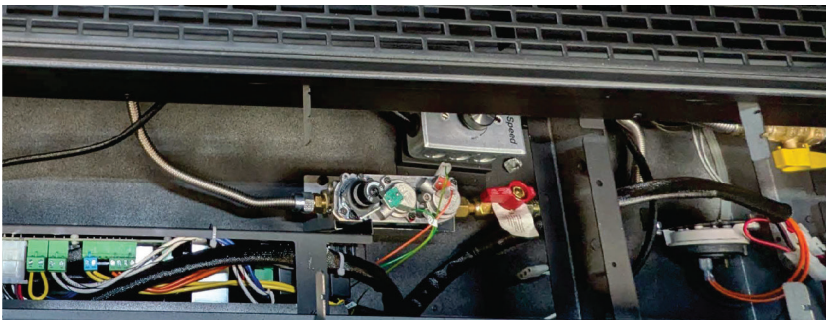


WARNING

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

CHECKING INLET OUTLET PRESSURE

1. Remove front glass.
2. The pressure taps are located on the gas valve front face. The inlet is marked 'IN' and the outlet is marked 'OUT'.
3. Loosen the set screw inside the tap with a screwdriver.
4. Connect a 1/4" (6 mm) rubber tube to the tap post and a manometer.
5. Verify that the readings obtained are within specs (as shown on the appliance rating plate)
6. Be sure to tighten the set screw inside the tap after you have finished taking pressure readings.
7. Check for leaks.



FOR YOUR SAFETY - READ BEFORE LIGHTING

- A. This appliance is equipped with an ignition system that lights the pilot burner automatically. Do not attempt to light the pilot by hand.
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

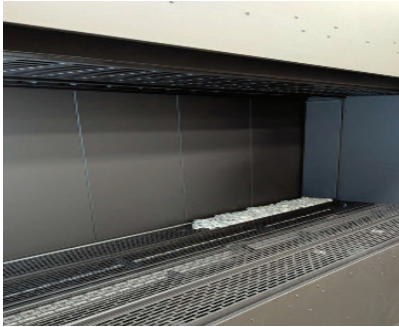
WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the Fire Department.
- C. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

Section 8: Glass Installation

Installing Glass and Panels

- 1) Place side panel in. Fill back tray with media. Make sure no media sits in glass channel.



- 2) Remove 2nd media tray (counting from the back wall).



- 3) Insert glass panel with lower part first. Carefully aim towards cavity bellow media tray. Do not hit LED strip



- 4) Lower glass into burner pan cavity and start leveling top edge of glass.



- 5) Push glass into upper channel until bottom of the glass sits above media tray and then lower glass into bottom glass tray. Put media tray back in, than place wider side panel in place.



- 6) Fill firebox media tray with media. Make sure no media sits in glass channel.



7) Put glass in under angle, top edge first.



8) Lift glass into upper retainer while moving bottom of the glass inwards. Once aligned with bottom channel, lower glass into the channel.



9) Install side pannel.



10) Put media over media tray and install glass, upper edge into glass retainer first and slowly bring bottom edge inwards. Once aligned with bottom channel, lower glass into it.



Section 9: Installing the Accessories

Installing the Glass Media

The unit is supplied with glacier firestone media. Optional media may be purchased from the dealer. Before installing the fireplace glass, place the media randomly across the pan in a single layer only.



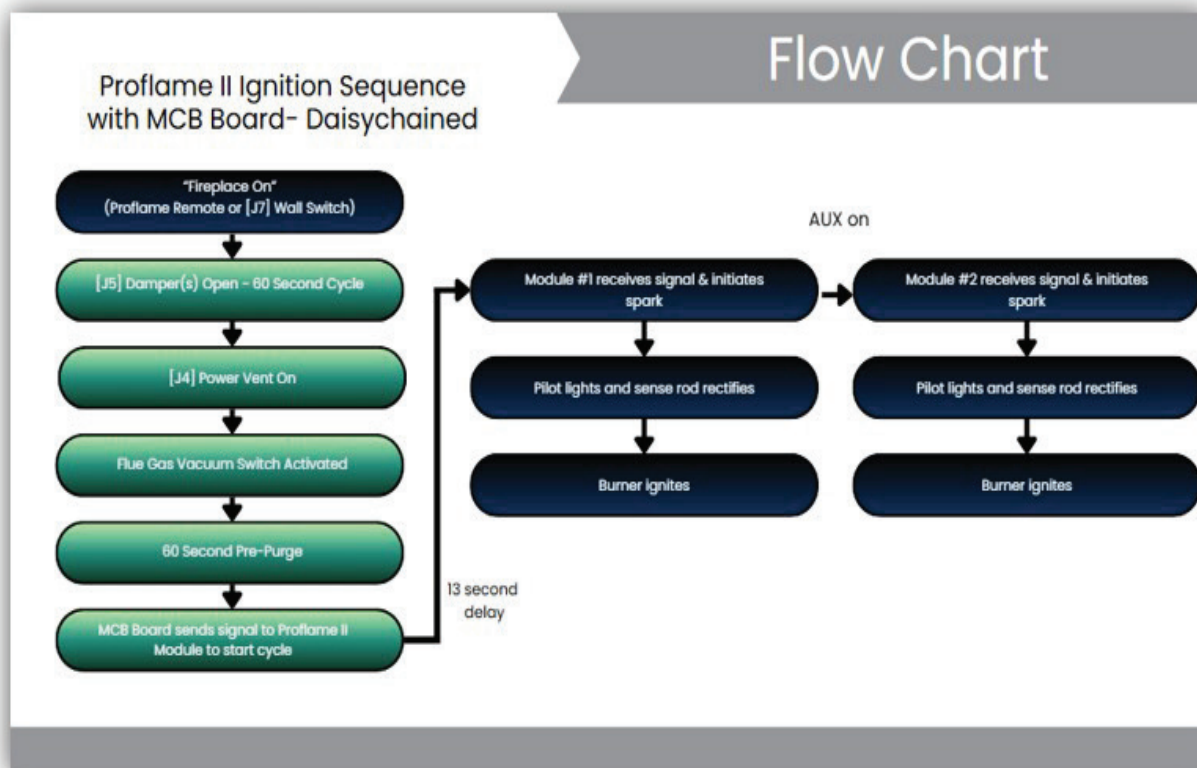
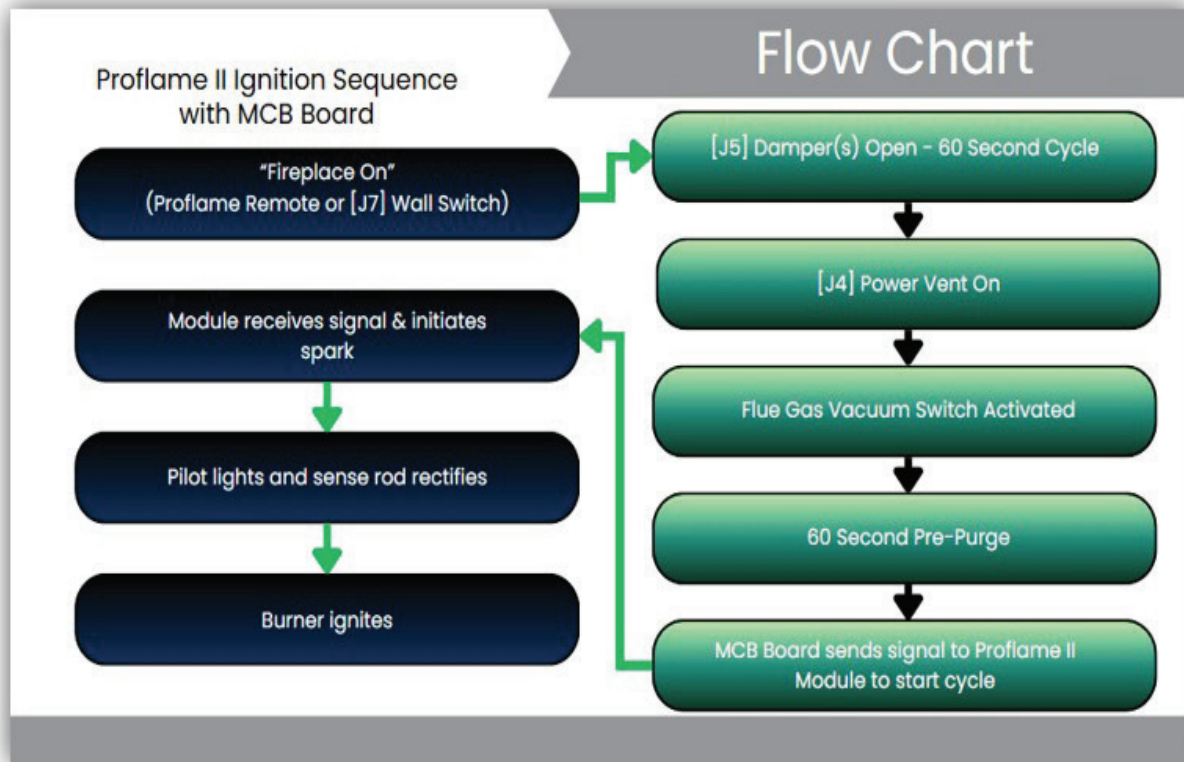
Burner Media Quantities

FIRESTONE - Onyx, Amber, Alabaster, Glacier	
FIREPLACE SIZE	QTY. BY POUND
3ft	18lb
4ft	21lb
5ft	27lb
6ft	36lb
7ft	39lb

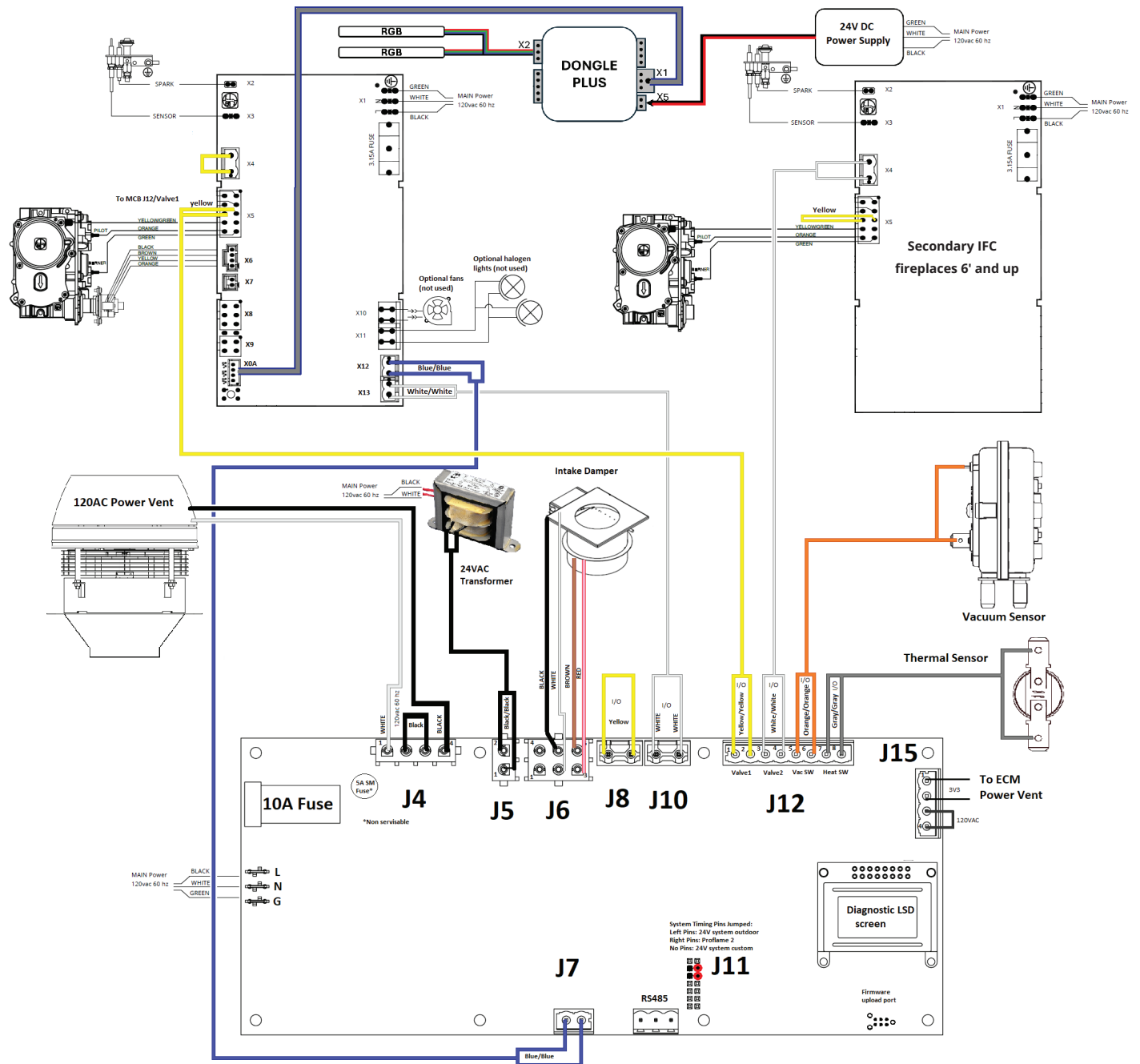
FIREBEADS - Ebony, Quartz, Frost	
FIREPLACE SIZE	QTY. BY POUND
3ft	18lb
4ft	21lb
5ft	27lb
6ft	36lb
7ft	39lb
8ft	45lb

SPECKLED STONE	
FIREPLACE SIZE	QTY. PCS
3ft	550
4ft	750
5ft	950
6ft	1150
7ft	1350
8ft	1500

Section 10: Operational Sequence



Operation



Section 11: Remote Operation

! WARNING

Do not expose remote control to temperatures below 0°C (32°F) or above 50°C (122°F)

! CAUTION

Property Damage Hazard. Excessive heat can cause property damage.
The appliance can stay lit for many hours. Turn off the appliance if it is not going to be attended for any length of time.

! WARNING

Battery operated device. Read the battery instructions before installing them into the system. Do not expose any battery, or its holder, or a device in which batteries are installed, to a working temperature greater than 54°C / 129°F

NOTE

For units 6'+ auxiliary must be ON all the time on the remote

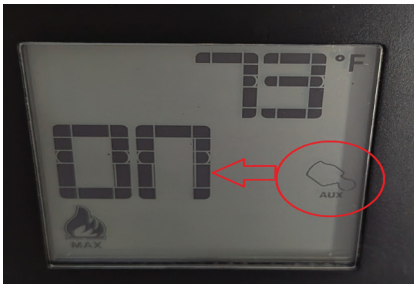
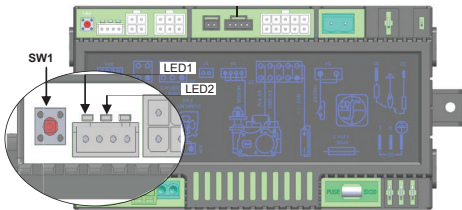


Figure 29. Proflame 2 Remote



SW1 = Programing Button
LED1 = Red Diagnostic Light
LED2 = Amber Programing Remote Control Light

Figure 29.b Proflame 2 Control Module

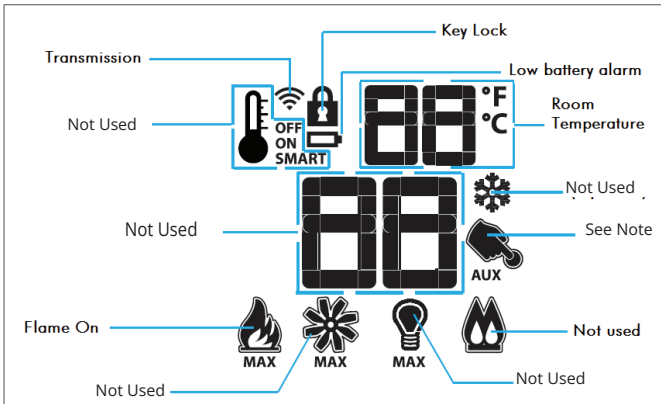


Figure 29.c Remote Control LCD Display

Remote Operation Continued

Initializing the System for the first time

1. Set master override switch to off position.
2. Install three (3) AAA batteries in the back of the remote control.
Note the polarity of batteries and install them as indicated by the silk screen (+/-) on the holder.
3. Connect AC Power (115 volts, 60 Hz) to fireplace.

Operating the System for the first time

The remote should come paired, if not please do the following:

Press SW1 button on the control module. The control module will beep three (3) times and an amber LED is illuminated to indicate that the IFC (control board) is ready to synchronize with a remote control within 10 sec. Push the ON button. The control module will "beep" four (4) times to indicate transmitter's command is accepted.

The System is now initialized.

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

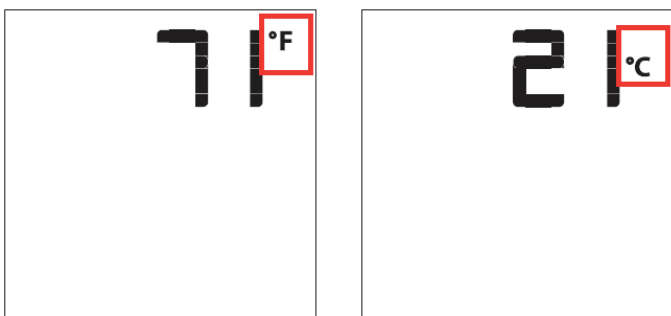


Figure 27.e Remote Control display in Fahrenheit & Celsius

Turn Off the Fireplace

With the system On, press the On/Off Key on the Remote Control. The Remote Control LCD display will only show the room temperature. At the same time the Control Module will turn off the fireplace. A single "beep" from the Receiver confirms reception of the command.



Figure 27.f Remote Control Display

Turn On the Fireplace

With the system Off, turn the master override switch to on and press the On/Off Key on the Remote Control. The Remote Control display will show some other active Icons on the screen. At the same time the Control Module will activate the fireplace. A single "beep" from the Control Module will confirm reception of the command.

Section 12: LED Remote Control Operation

App Download and Install

- 1. Search in app store (Android and Iphone) for 'Proflame Connect Plus'. Install to device.
- 2. Open app, allow always access device location (must accept or will not work).
- 3. Scroll down terms and conditions.
- 4. Accept terms and conditions.

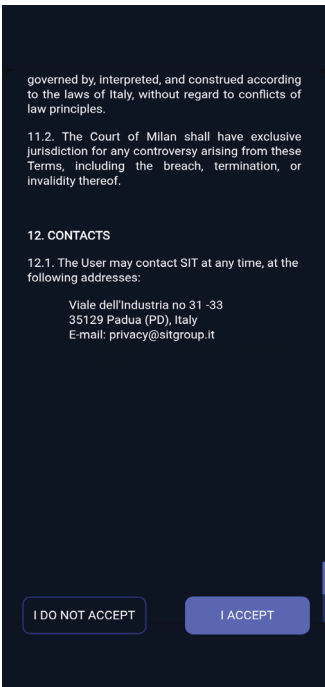
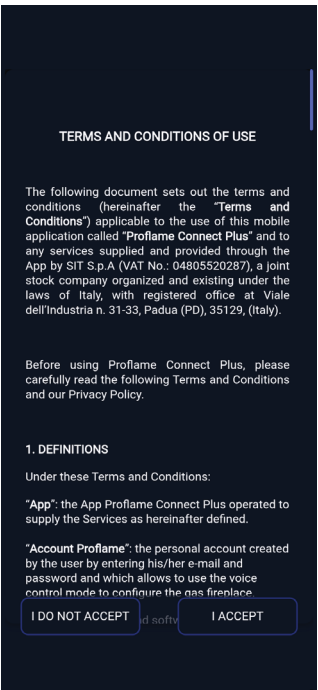
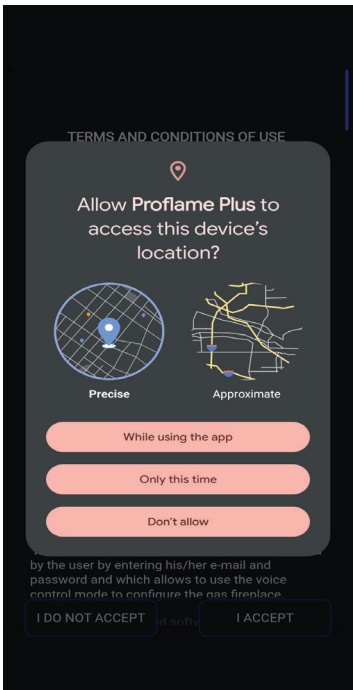
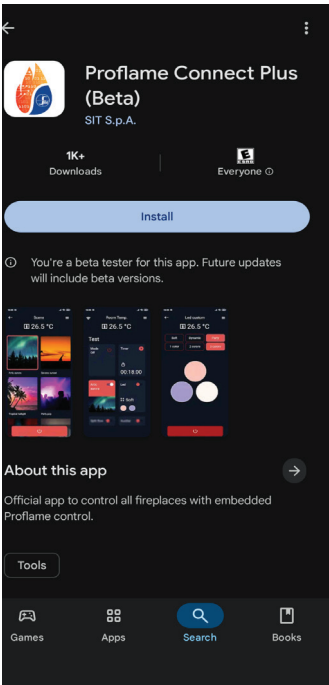
NOTICE

App is required to operate Light System

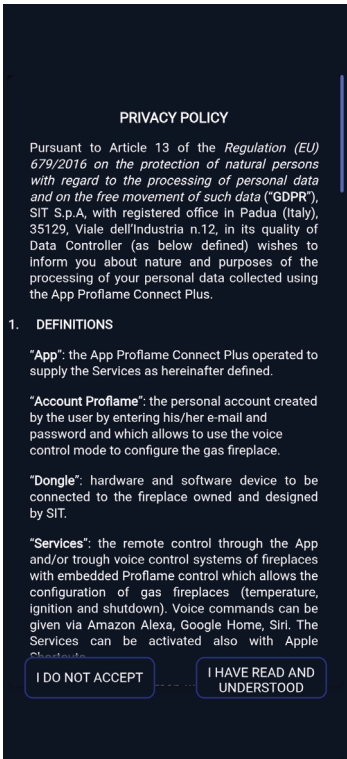
Android QR Code



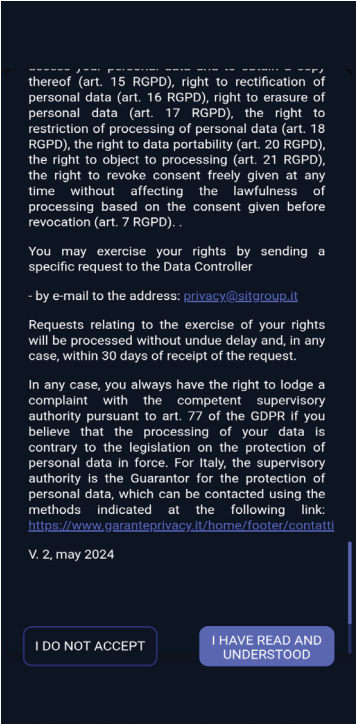
Apple QR Code



5. Scroll down privacy policy

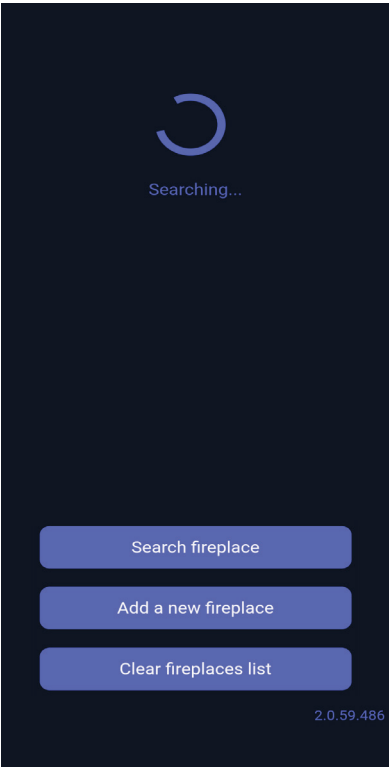


6. Accept privacy policy



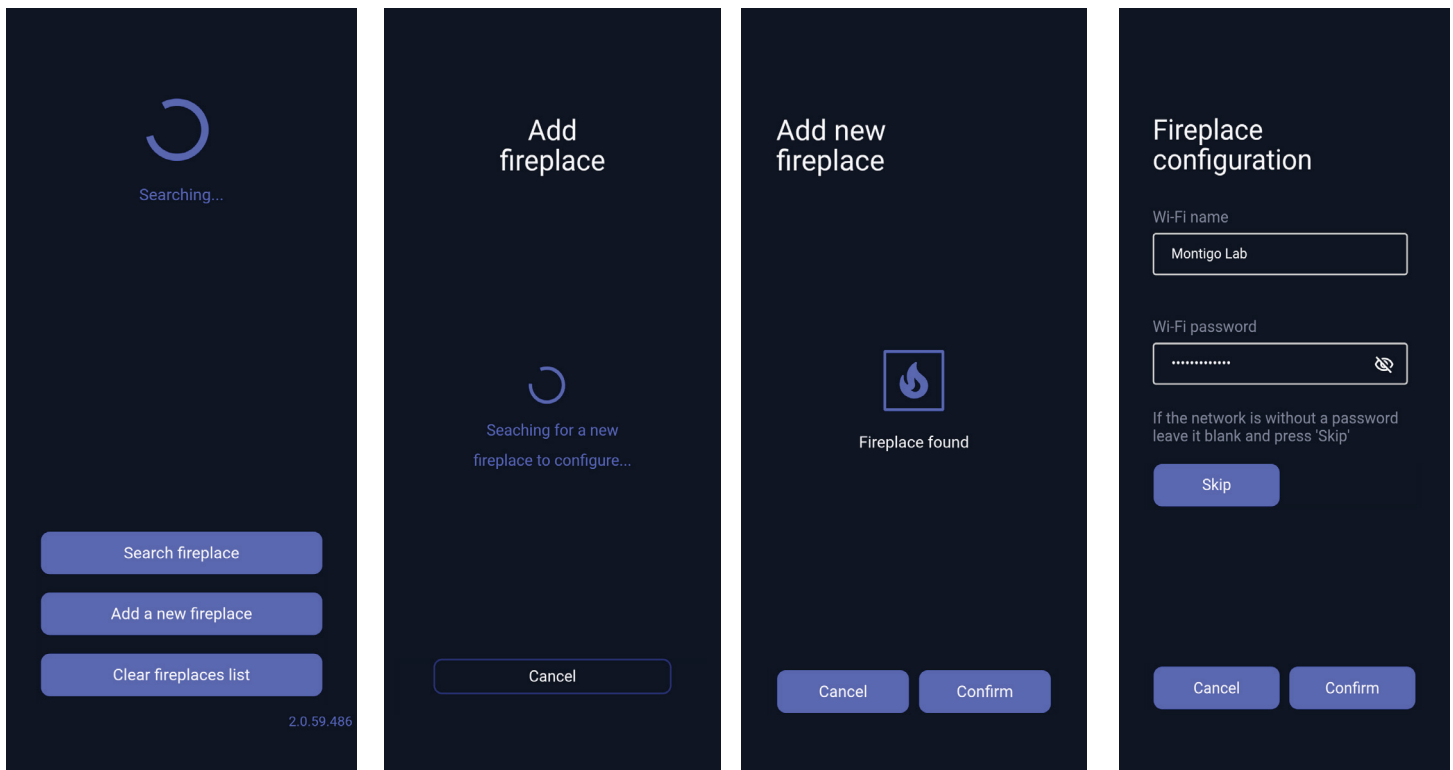
App is set, proceed to network setup

7. Seaching at this point should begin

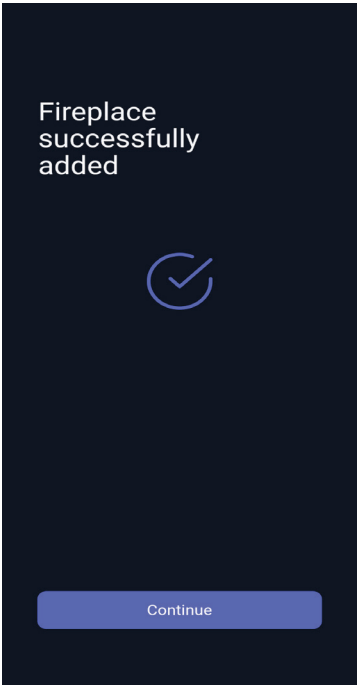
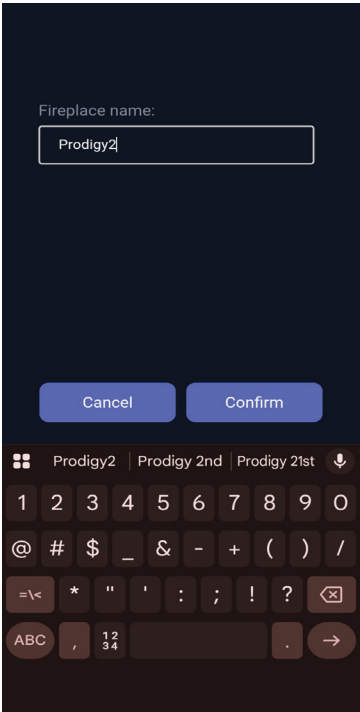


Section 13: Connecting Fireplace to Home Network

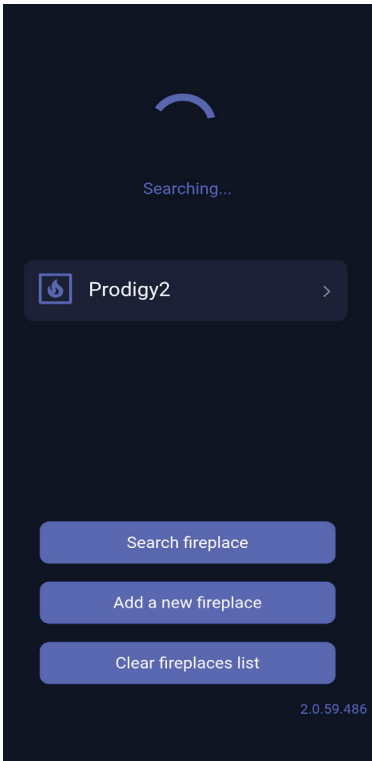
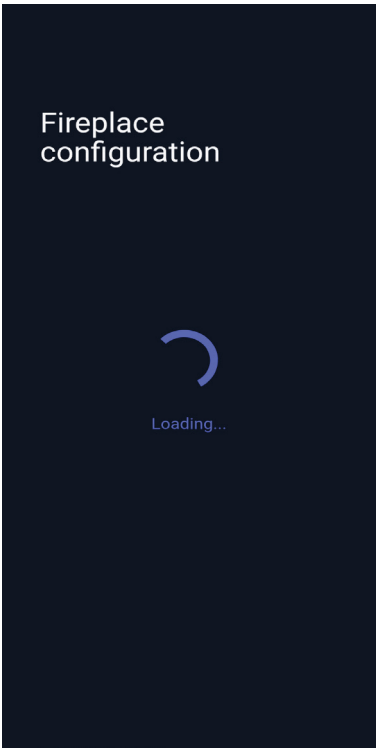
1. Press "Add a new fireplace"
2. Mobile device will search for nearby SIT dongle (up to minute). If app request to connect to the dongle – allow.
3. Once fireplace detected, press "Confirm".
4. Fill in home WiFi details. Make sure its 2.4G - 2.5G network. Will not connect to 5G.
5. Add fireplace name.
6. Wait for fireplace to finish configuration.



7. Successful



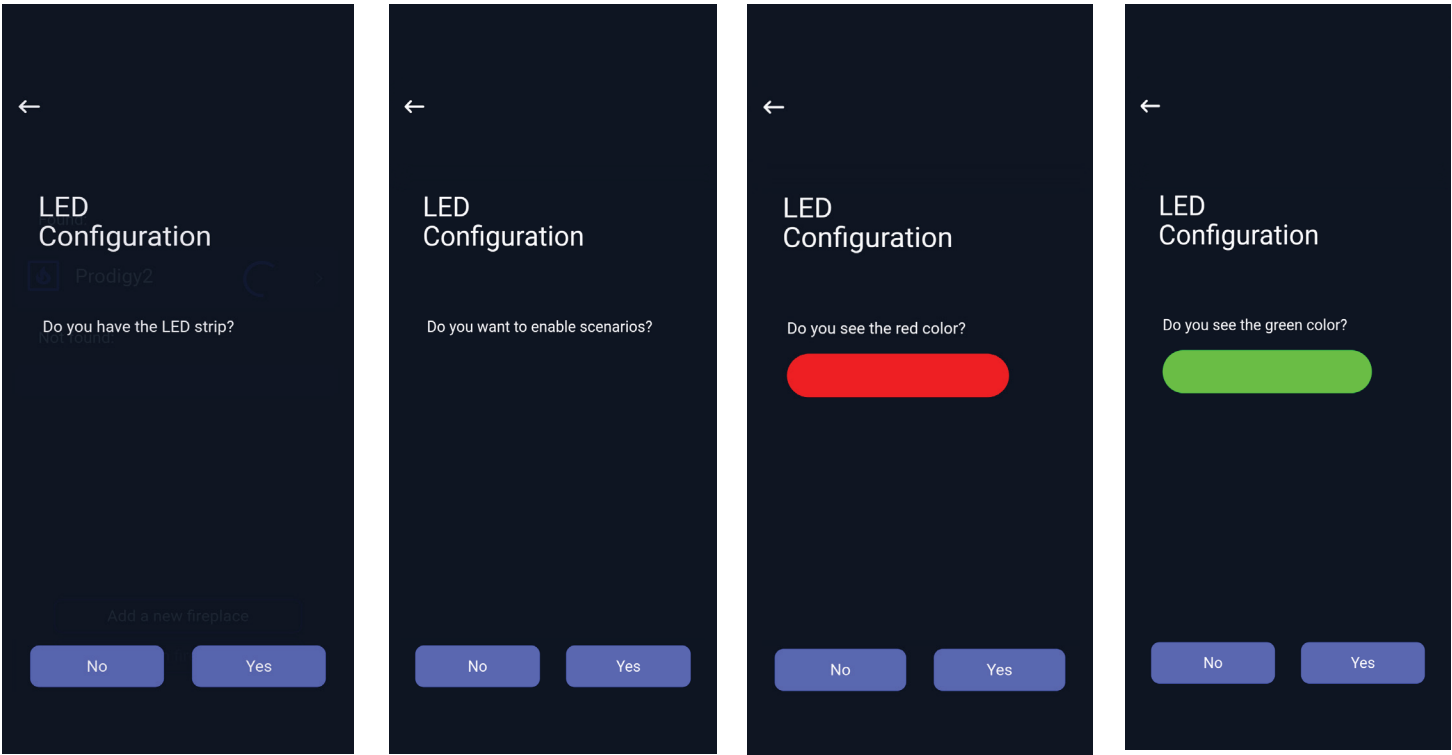
8. Unit should show as connected

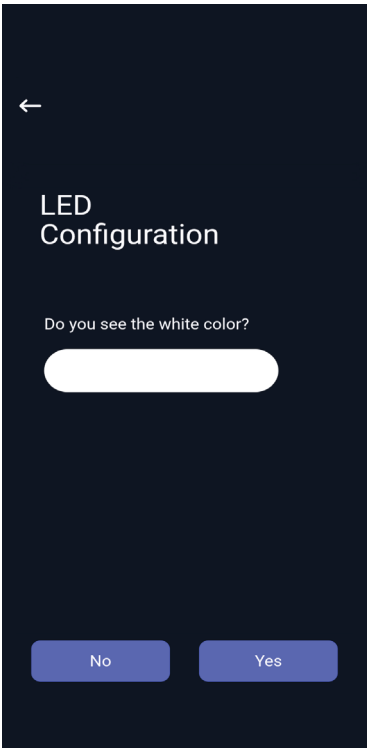
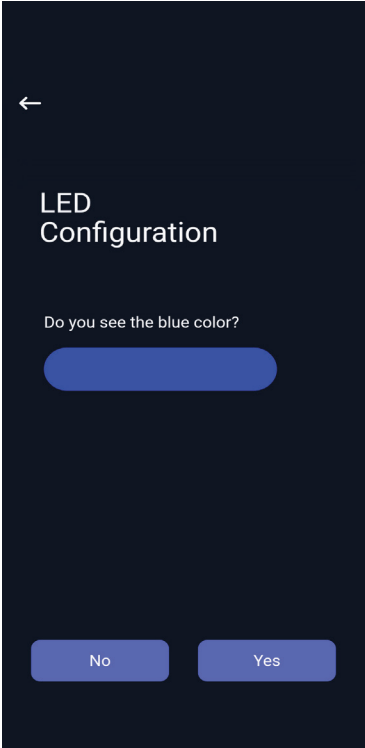


*Fireplace configuration usually takes few seconds, but might take up to few minutes if Dongle Plus need to update its firmware.
Note – Initial batches will update to new firmware.

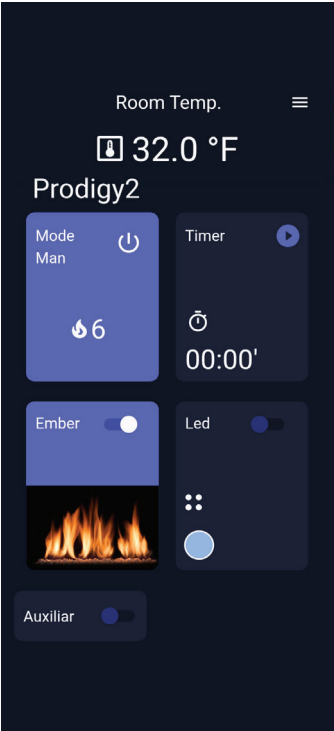
Section 14: LED Uplighting Configuration

- 1. Tap Yes to LEDs.
- 2. Accept scenarios (Dynamic LED Pre-sets).
- 3. LEDs will turn red, tap Yes.
- 4. LEDs will turn green, tap Yes.
- 5. LEDs will turn blue, tap Yes.
- 6. No white channel, tap NO.





7. Successfull



8. Unit is ready for operation

Section 15: Cleaning and Maintenance

General

- Have the fireplace installation inspected annually, including a visual check of the vent system, the burner and the pilot flame. For your convenience, a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection.
- For Natural Gas, this appliance requires a minimum inlet pressure of 5.5" wc, and a manifold pressure of 3.5" wc.
- For Propane, this appliance requires a minimum inlet pressure of 11" wc, and a manifold pressure of 10" wc.
- Always keep the fireplace area clear and free of combustible materials, as well as gasoline and other flammable vapours and liquids.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Cleaning

When the fireplace is first activated, there may be some smoke and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.

- Glass must be cleaned periodically to remove any film (which is a normal by-product of combustion) which may be visible. Film can easily be removed with non-abrasive, non-ammonia based glass cleaners. One of the most effective products is Kel-Kem.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.

NOTICE

Do not use ammonia or abrasive cleaners on the glass, they will permanently etch the surface. Use an approved gas fireplace cleaner such as Kel-Kem or White Off.

NOTICE

Fireplace gas control must be in the "OFF" position and all burners extinguished when cleaning appliance. Doors can get very hot. Handle only when cool.

Appendix B: Warranty

MONTIGO WARRANTY PROGRAM

Empire Comfort Systems, Inc. and/or Empire Comfort Systems Canada, Inc. (collectively referred to herein as "The Companies"), warrants the Montigo gas appliance (referred to herein as 'the appliance') to be free from defects in materials and workmanship at the time of manufacture. The gas appliance and related components are further subject to the terms and conditions set forth below.

- Exterior painted surfaces exempt

QUALIFICATIONS TO THE WARRANTY

This Warranty only covers gas appliances installed in the United States or Canada.

To receive the benefits of this warranty, the appliance must be purchased, installed and serviced annually by a dealer authorized by The Companies for the warranty to be valid.

The gas appliance must be installed by a licensed professional in accordance with The Companies' installation instructions and local building codes. The warranty on

the appliance covers only components manufactured by The Companies. The use of components manufactured or supplied by other manufacturers and used in conjunction with the appliance could create serious safety hazards, may result in the denial of certification by recognized national safety agencies and could violate local building codes. Such use may untimely void this warranty. This warranty does not cover any damages occurring from the use of any components not manufactured or supplied by The Companies.

The appliance must be subjected to normal use. The appliance is designed to burn natural gas (NG) or liquefied petroleum (LP) only. Burning conventional fireplace fuels such as wood, coal or any other solid fuel will cause damage to the appliance, produce excessive temperatures will result in a fire hazard and void all warranties. This warranty is transferable. The appliance must remain in its original place of installation to be valid.

If the components of the appliance covered by this warranty are found to be defective within the time frame stated (see The Companies investigation of claims), The Companies will, at its option, replace or repair defective components of the appliance manufactured by The Companies at no charge and will also pay for labor costs (in accordance with schedule) incurred in replacing or repairing components. If repair or replacement is not commercially practical, The Companies will, at its sole discretion, fully discharge all obligations under the warranty by refunding the verified dealer purchase price of the appliance, excluding the cost of labor unless the labor is covered by the terms of the warranty.

This warranty covers only parts and labor as provided above. In no case shall the companies be responsible for materials, components or construction, which are not manufactured or supplied by The Companies, or for the labor necessary to install, repair or remove such materials, components or construction. All replacement or repair components will be shipped F.O.B. from the nearest Company factory.

LIMITATION ON LIABILITY

It is agreed and understood that The Companies sole obligation, and purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to repair, replacement or refund as specified above. The opinion of The Companies with respect to these matters shall be final.

In no event shall The Companies be responsible for any incidental or consequential damages caused by (but not limited to) improper installation, installation by an unqualified or unauthorized installer, accident, lack of regular maintenance, user error, abuse, misuse, Acts of God, power surges, floods, natural disasters, force majeure, defects in its appliance whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by The Companies negligence. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty with respect to the appliance is limited to the duration of the foregoing warranty. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you.

Component	Coverage Period	Labor Coverage
Firebox, heat exchanger	15 years	1 year
Main burner	15 years	1 year
Gas control valve and related control components (pilot assembly, spark electrode flame sensors, thermopile)	1 year	1 year
Electrical components (internal blowers, ignition control module, wiring, switches, remote control systems, blower control module, accent bulbs)	1 year	1 year
Firebox media (logset, glass beads, river rocks)	1 year	1 year
Glass (thermal breakage)	1 year	1 year
Plated, painted finishes (including interior reflective glass) *	1 year	1 year
Refractory lining	1 year	1 year
Mesh/Glass safety barriers	1 year	1 year
Power vent termination	1 year	1 year

Appendix B: Warranty Continued

EXCLUSIONS TO WARRANTY

Corrosion or rust of any kind due to a lack of maintenance, inadequate combustion air or improper venting and corrosive chemicals/environments, expansion and contraction of metals or minor movements of components causing noise are not covered by this warranty.

Willful misconduct (i.e. use of the appliance with problems known to the purchaser and causing further damages), including unauthorized or self-performed 'fixing' or exploration of the appliance's internal workings will void the warranty.

Appliances on which the serial number has been altered, defaced, removed or made illegible will void the warranty.

Costs incurred for diagnosis, service work, shipping and handling of defective or replacement parts are not covered under this warranty.

The published warranties are not applicable for any equipment manufactured by The Companies that has been sold direct to the consumer via internet or auction websites. The Companies do not endorse, approve or certify any online sale of its products through auction websites, online retailers or any other method of online sales direct to consumers.

INVESTIGATION OF CLAIMS AGAINST WARRANTY

The Companies reserve the right to investigate any and all claims against this warranty and decide upon method of settlement.

The Companies are not responsible for work done without written consent of The Companies.

The Companies shall in no event be responsible for any warranty work done without first obtaining the Companies written consent.

The Companies employees and dealers have no authority to make any warranties to neither alter this warranty nor authorize any remedies in addition to or inconsistent with those stated within this warranty.

IF WARRANTY SERVICE IS NEEDED

To make a claim under this warranty, contact your installing dealer or contractor. The installing dealer is responsible for providing service and will contact the companies to initiate warranted parts replacements. In the event the installing dealer is unavailable, contact your nearest authorized Montigo dealer (www.Montigo.com) or contact Montigo direct at techsupport@montigo.com. Ensure you have your sales receipt and the model and serial number of your appliance.

DO NOT ATTEMPT TO DO ANY SERVICE WORK YOURSELF

If you cannot locate the installing dealer, or nearest dealer/distributor, you must notify The Companies in writing.

The terms and conditions of this warranty may be altered or amended from time to time without prior notice.

WARRANTY PERIOD: Warranty coverage begins on the date of installation. In the case of new construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized Company dealer/ distributor, whichever occurs earlier.

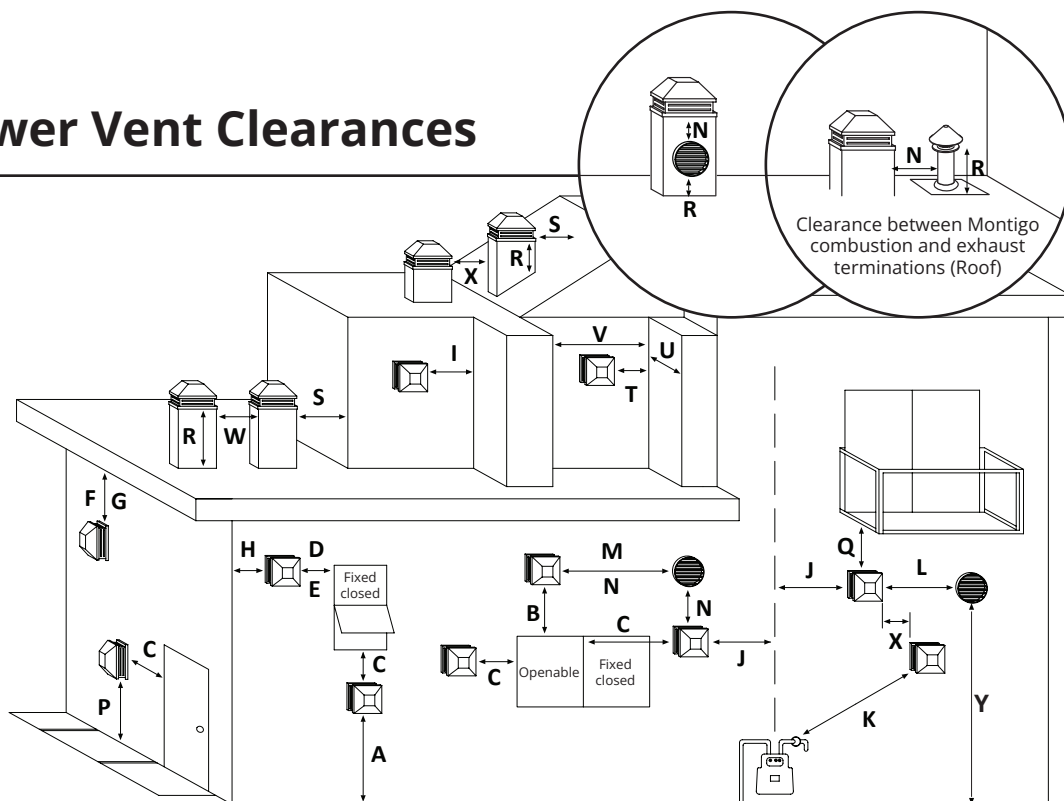
Appendix B: Power Vent Clearances

* Based on CGA B149.1 Natural Gas and Propane Installation Code. Local codes may vary, please check with local regulatory agency.

**Based on ANSI Z223.1/NFPA 54 National Fuel Gas Code. Local codes may vary, please check with local regulatory agency.

+ A vent shall not terminate directly above a sidewalk or paved driveway which is located between 2 single family dwellings and serves both dwellings.

++ Permitted only if veranda/porch/deck/balcony is fully open on a minimum of 2 sides beneath the floor.



Roof/Wall Terminations



Power vent termination



Combustion air termination

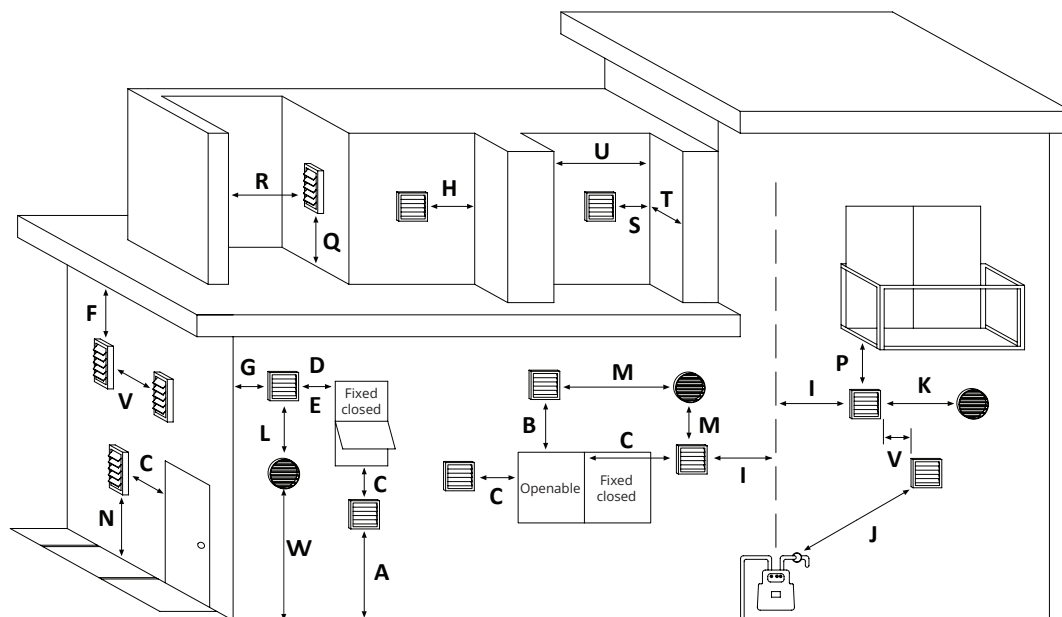
	Location	Canada*	USA**
A	Clearance above grade, veranda, porch, or balcony	30 inches	30 inches
B	Clearance to top of doors or operable windows	12 inches	12 inches
C	Clearance to sides or bottom of doors or operable windows	4 feet	4 feet
D	Clearance to permanently closed window when installed with approved gas penetration termination	0	0
E	Recommended clearance to permanently closed window to prevent condensation	30 inches	30 inches
F	Clearance to ventilated soffit located within 24 inches of termination	22 inches	22 inches
G	Clearance to unventilated soffit	30 inches	30 inches
H	Clearance to outside corner	30 inches	30 inches
I	Clearance to inside corner 30	30 inches	30 inches
J	Clearance to the vertical centerline of a meter or regulatory assembly to a max vertical distance of 15 feet	3 feet	3 feet
K	Clearance to service regulator vent outlet	3 feet	3 feet
L	Clearance to non-mechanical air supply inlet to the building or combustion air inlet for other appliance	for other appliance ≤ 100,000 BTU/H (30KW) for other appliance ≥ 100,000 BTU/H (30KW)	12 inches 4 feet 6 feet 4 feet
M	Clearance to forced air supply inlet	6 feet	3 feet above inlet
N	Clearance between Montigo combustion and exhaust terminations	for combustion termination beside or below exhaust vent for combustion termination above exhaust vent	30 inches 30 inches 3 feet 3 feet
P+	Clearance above paved sidewalk or paved driveway located on public property	7 feet	7 feet
Q++	Clearance under veranda, porch, deck, or balcony	30 inches	30 inches
R	Clearance above roof	2 feet	2 feet
S	Clearance to adjacent walls and neighbouring buildings	30 inches	30 inches
T	Clearance from corner in recessed location	30 inches	30 inches
U	Maximum depth of recessed location	48 inches	48 inches
V	Maximum width for back wall of recessed location	60 inches	60 inches
W	Horizontal clearance between two terminations that are level	12 inches	12 inches
X	Horizontal clearance between two terminations that are not level	12 inches	12 inches
Y	From finished grade to bottom of combustion air intake	12 inches	12 inches

* Based on CGA B149.1 Natural Gas and Propane Installation Code. Local codes may vary, please check with local regulatory agency.

**Based on ANSI Z223.1/NFPA 54 National Fuel Gas Code. Local codes may vary, please check with local regulatory agency.

+ A vent shall not terminate directly above a sidewalk or paved driveway which is located between 2 single family dwellings and serves both dwellings.

++ Permitted only if veranda/porch/deck/balcony is fully open on a minimum of 2 sides beneath the floor.



Inline / Flush Mount Terminations

 Power vent termination

 Combustion air termination

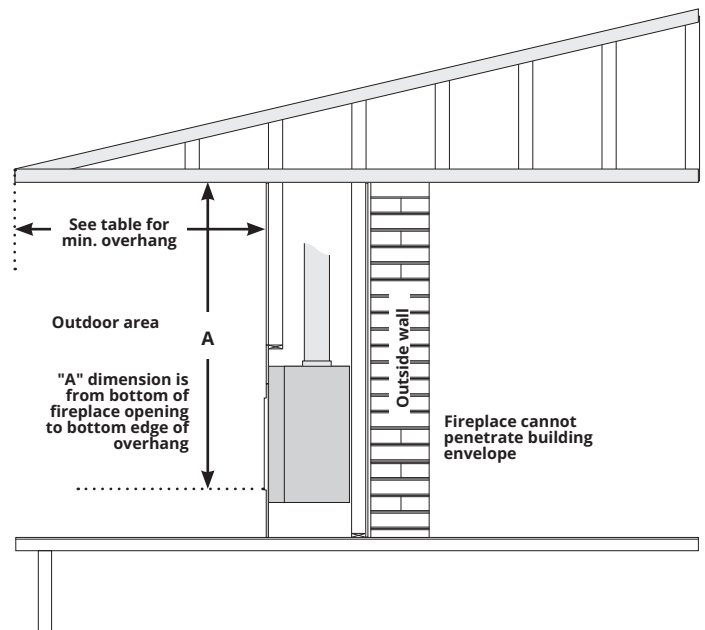
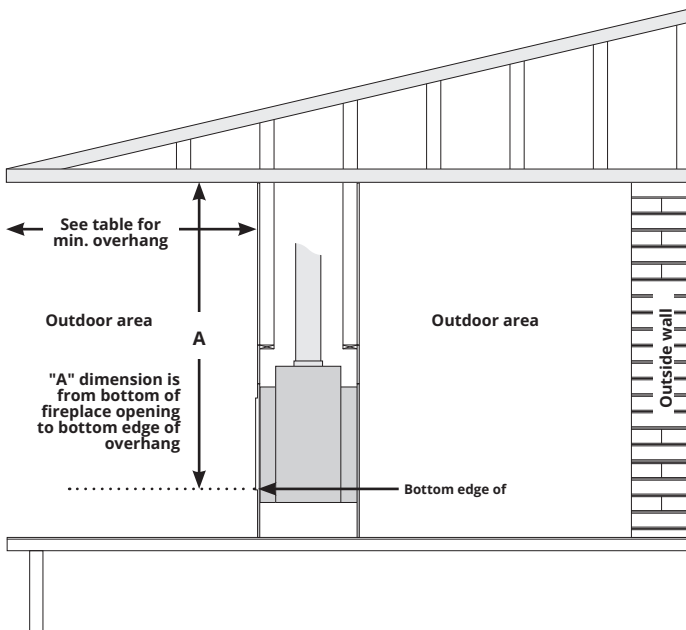
	Location	Canada*	USA**
A	Clearance above grade, veranda, porch, or balcony	30 inches	30 inches
B	Clearance to top of doors or operable windows	4 feet	4 feet
C	Clearance to sides or bottom of doors or operable windows	36 inches	12 inches
D	Clearance to permanently closed window when installed with approved gas penetration termination	Not Required	Not Required
E	Recommended clearance to permanently closed window to prevent condensation	30 inches	30 inches
F	Clearance to soffit	22 inches	22 inches
G	Clearance to outside corner	Not Required	Not Required
H	Clearance to inside corner	6 inches	6 inches
I	Clearance to the vertical centerline of a meter or regulatory assembly to a max vertical distance of 15 feet	3 feet	3 feet
J	Clearance to service regulator vent outlet	3 feet	3 feet
K	Clearance to non-mechanical air supply inlet to the building or combustion air inlet for another appliance	3 feet	3 feet
L	Clearance above forced air supply inlet or Montigo combustion air termination	3 feet	3 feet
M	Clearance to sides or bottom of Montigo combustion air termination	6 inches	6 inches
N	Clearance above paved sidewalk or paved driveway located on public property	7 feet	7 feet
P+	Clearance under veranda, porch, deck, or balcony	12 inches	12 inches
Q++	Clearance above roof	2 feet	2 feet
R	Clearance to adjacent walls and neighbouring buildings	30 inches	30 inches
S	Clearance from corner in recessed location	30 inches	30 inches
T	Maximum depth of recessed location	48 inches	48 inches
U	Maximum width for back wall of recessed location	60 inches	60 inches
V	Horizontal clearance between two terminations	12 inches	12 inches
W	From finished grade to bottom of combustion air intake	12 inches	12 inches

Indoor fireplace in protected outdoor applications

This fireplace may be installed into outdoor locations provided they are suitably protected from direct water impingement. However, all installation clearances in the appliance manual must be observed. Framing, Clearances to Combustibles, Mantel Heights, Facing Requirements, Venting Installation, etc. Use supplied Safety Screen.

Dimension "A"	X .75	= min. overhang depth
The overhang must extend at least 75% of the roof line height (A) Height is measured from bottom of fireplace opening to the ceiling		

Example formula
Min. overhang = $A \times 0.75$
For example: if distance A is 84", the overhang must extend at least 63"



Notes

- Overhang requirements must be applied to both the front and sides of the fireplace
- Indoor see-through models cannot be installed as an indoor/outdoor fireplace without the addition of a see-through Indoor-outdoor kit.
- If the fireplace will be in contact with salt water, then an outdoor fireplace is recommended
- Follow all building codes, including those addressing fireplace penetration of an exterior building envelope
- Follow all product installation instructions; including framing, clearances to combustibles, mantel heights, Facing Requirements, venting installation, etc. Use supplied safety screen.
- All wiring connections to line power shall be in accordance with outdoor requirements of; NECA NFPA 70 in the USA Canadian Electrical Code, CSA C22.1 for Canada.
- The Fireplace is not to be operated in temperatures below freezing (0°C)

NOTICE

Units with tempered glass doors are vulnerable to rapid and/or extreme changes in temperature (thermal shock). Take care to prevent water

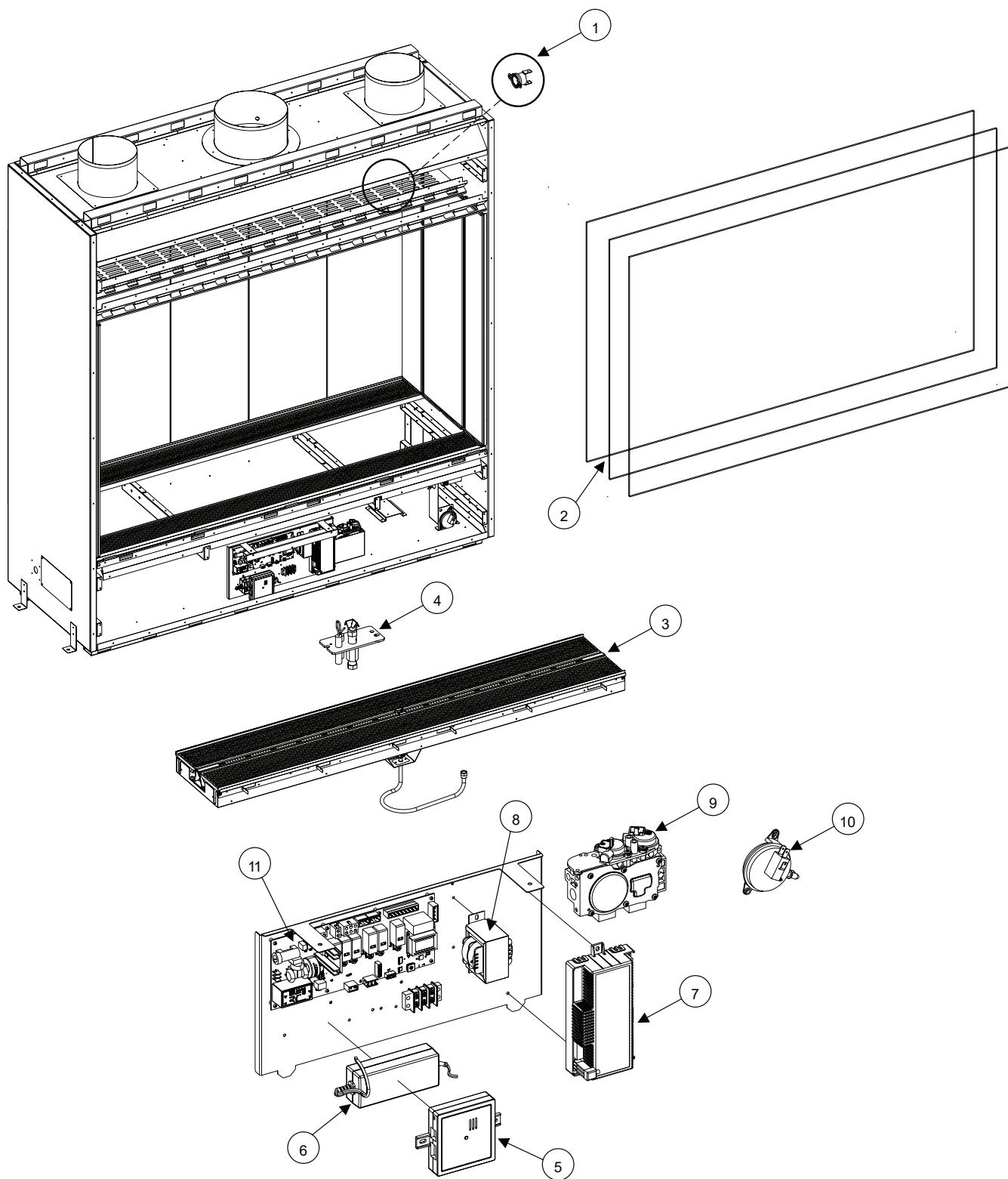
Parts List

INDEX NO.	PRODIGY II PART#	DESCRIPTION
1	ECA150	THERMAL SWITCH ASSEMBLY
2	GLASS	SOURCE LOCALLY - see table
3	-	BURNER TRAY
4	R12283	PILOT ASSEMBLY - CONVERTIBLE
5	SIT-WIFI	PROFLAME2 WI-FI DONGLE KIT
6	EC1533	SWITCH POWER SUPPLY 24DC 6A 144 W
7	RGC3104	PF2 IFC BOARD, FULL LOAD, WIFI - MASTER
	RGC3094	PROFLAME 2 (IFC) BOARD, BASIC - SLAVE
8	EC1142	TRANSFORMER, 120V 60HZ 24V @ 40 VA
9	RGC3089	GAS VALVE NG 3.5" WC SINGLE STAGE
	RGC3090	VALVE, PROFLAME, SIT, LP, SINGLE STAGE
10	EC1261	SWITCH, VACUUM, NS2, 0.20" "CLEVELAND"
11	EC2089	MONTIGO PV AND DAMPER CONTROLLER BOARD
12	RGC3105	REPLACEMENT PF2 REMOTE GTMFLSA, WIFI
13	MCB-PF2	PRODIGY2 CONTROLLER FOR SIT PF2 SYSTEM - MASTER
	GCA054	PRODIGY2 SLAVE CONTROL PANEL PF2 - SLAVE
14	ECA155	P2 ENERVEX MSB SPEED CONTROL
15	EC2100	LED Neon RGB 0612 60inch
	EC2101	LED Neon RGB 0612 48inch
	EC2102	LED Neon RGB 0612 36inch

Prodigy II Glass - 6mm, clear tempered, polished edge

Height	Config	Width					
		3ft	4ft	5ft	6ft	7ft	8ft
20"	PN	GL1389	GL1387	GL1382	GL1421	GL1422	GL1423
	Dimension "	35-13/16" x 21"	47-13/16" x 21"	59-13/16" x 21"	71-13/16" x 21"	83-13/16" x 21"	95-13/16" x 21"
24"	PN	GL1357	GL1355	GL1345	GL1424	GL1425	GL1426
	Dimension "	35-13/16" x 25"	47-13/16" x 25"	59-13/16" x 25"	71-13/16" x 25"	83-13/16" x 25"	95-13/16" x 25"
30"	PN	GL1363	GL1361	GL1348	GL1427	GL1428	GL1429
	Dimension "	35-13/16" x 31"	47-13/16" x 31"	59-13/16" x 31"	71-13/16" x 31"	83-13/16" x 31"	95-13/16" x 31"
36"	PN	GL1352	GL1342	GL1337	GL1430	GL1431	GL1392
	Dimension "	35-13/16" x 37"	47-13/16" x 37"	59-13/16" x 37"	71-13/16" x 37"	83-13/16" x 37"	95-13/16" x 37"
48"	PN	GL1371	GL1369	GL1364	GL1432	GL1433	GL1434
	Dimension "	35-13/16" x 49"	47-13/16" x 49"	59-13/16" x 49"	71-13/16" x 49"	83-13/16" x 49"	95-13/16" x 49"
60"	PN	GL1380	GL1378	GL1373	GL1435	GL1436	GL1437
	Dimension "	35-13/16" x 61"	47-13/16" x 61"	59-13/16" x 61"	71-13/16" x 61"	83-13/16" x 61"	95-13/16" x 61"

Exploded View





**Montigo is a brand of Empire Comfort Systems Inc.
Belleville, IL**

If you have a general question about our products, please e-mail us at info@empirecomfort.com. If you have a service or repair question, please contact your dealer.

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