P/N 900930-00
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**POWER VENT KIT
MODEL PVK-LIN**

INSTALLATION INSTRUCTIONS FOR POWER VENT KIT MODEL PVK-LIN (CAT. NO. F3781) FOR USE WITH ALLUMEDLX60TEN, DIRECT-VENT GAS FIREPLACES

PFS C US

Report No. F11-026

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

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.

NOTICE

- **READ ALL STEPS BEFORE STARTING INSTALLATION.**
- **LEAVE THESE INSTRUCTIONS WITH THE APPLIANCE.**
- All warnings, precautions, and instructions in the *Installation Instructions* and *Care and Operation Instructions* provided with the appliance also apply to these instructions.
- If you encounter any problems, need clarification of these instructions, or are not qualified to properly install this kit, contact your local distributor or dealer.

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REQUIRED PARTS (not provided)

- 14-gauge AWG Grounded Romex Cable
- Wire nuts
- Wiring Junction Box (optional)

GENERAL INFORMATION

Power Vent Kit Model LPV-LIN *(illustrated in **Figure 1**)* is only for use with certain INNOVATIVE HEARTH PRODUCTS electronic, direct-vent, gas fireplaces that uses 5/8 vent system.

- Compatible fireplaces and adapter requirements are listed in ***Table 2*** on **Page 2**.

⚠ CAUTION

This kit is NOT for use on millivolt appliances.

Each compatible fireplace model requires the use of a specific **Power Vent Adapter Kit** (sold separately).

- **Adapter Kit** contents are illustrated in ***Table 2*** on **Page 2**.

Installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, latest edition (in Canada, the current CAN/CSA-B149.1 installation code).

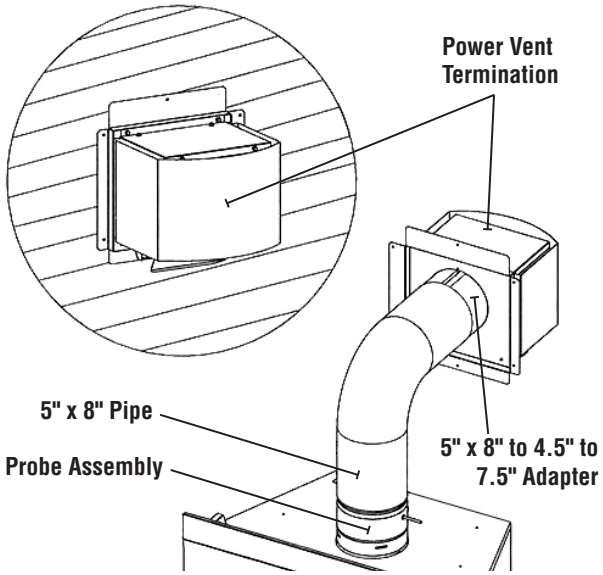


Figure 1: Power Vent Assembly

KIT CONTENTS Power Vent Kit PVK-LIN (Cat. No. F3781)		
Item No.	**Description**	**Qty.**
1	**Termination Power Vent**	**1**
2	**Assembly Probe**	**1**
3	**Vacuum Hose (10 ft.)**	**1**
4	**Harness Wiring**	**1**
5	**Pressure Switch**	**1**
6	**Assembly Adapter**	**1**
7	**Strain Relief - 3/8"**	**2**
8	**#10 Ring Terminal**	**2**
9	**Terminal Insulated 1/4" Male**	**4**
10	**Cover, Wire**	**1**
11	**Firestop Assembly (Horizontal)**	**1**
12	**11/32" Clamp Hose**	**2**
13	**Bushing Snap**	**1**
14	**Wire Adapter, Female/Male**	**1**
15	**Wire Adapter, Female/Female**	**1**
16	**Harness Wiring**	**1**

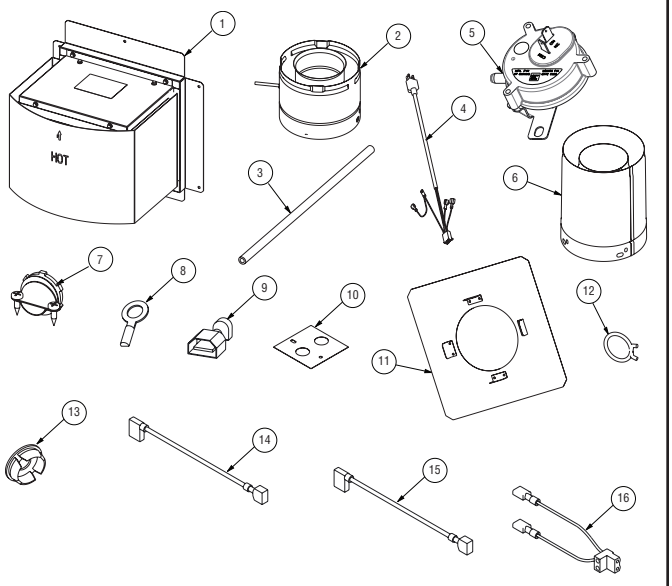


Table 1

COMPATIBLE FIREPLACES Power Vent Kit PVK-LIN (Cat. No. F3781)	
Fireplace Model Series	**Fireplace Cat. No. (Description)**
Allume	ALLUMEDLX60TEN

Table 2

TYPICAL INSTALLATION SEQUENCE

NOTE: This power vent system can only be terminated horizontally.

1. [Page 3]: Install the fireplace according to the fireplace *Installation Instructions*.
2. [Page 3]: Plan the vent run.
3. [Page 4]: Attach the probe assembly [#2] to the fireplace collar.
   NOTE: Attach probe assembly FIRST, before connecting any other vent components to the fireplace.
4. [Page 4]: Complete the vent run.
5. [Page 6]: Install cover wire plate.
6. [Page 6]: Route Romex wiring and connect to termination.
7. [Page 8]: Install the power vent termination [#1].
8. [Page 10]: Converting Control from Natural Draft to Power Vent.
9. [Page 11]: Wiring SIT PROFLAME II electronic control system.

DETAILED INSTALLATION INSTRUCTIONS

1. Install the fireplace.

Install the fireplace according to the fireplace *Installation Instructions*. Compatible fireplaces are listed in ***Table 2*** on **Page 2**.

⚠ CAUTION

Do NOT install this Power Vent system on an incompatible fireplace.

⚠ CAUTION

All power vented fireplaces must be set to Intermittent Pilot (IPI) mode and should not use battery back up system.

NOTE: Igniter will continuously spark and possibly light the burner if unit is left in Continuous Pilot Mode (CPI). To switch to Intermittent Pilot Mode (IPI), carefully follow Step 8 on Page 10.

2. Plan the vent run.

Various horizontal venting configurations are possible with this Power Vent Kit. Analyze the vent routing, and determine the required number of vent sections and elbows.

Note: The power vent chimney may be run vertically through a roof (see ***Figure 2a***) **or horizontally through an outside wall; however, THE POWER VENT TERMINATION MUST BE INSTALLED HORIZONTALLY. Building codes limit or prohibit horizontal termination in specific areas. For location guidelines, refer to local codes.** Also see ***Figure 5*** on **Page 5**.

Vent sections are available in net lengths, see venting kit components on page 15.

Refer to ***Figures 2*** and ***3*** for maximum/minimum vertical and horizontal vent lengths.

- Maximum vent run is 110 feet, plus six 90° (or twelve 45°) elbows.
- Minimum horizontal vent length is 8 feet.
- Maximum vertical rise above the fireplace is 66 feet.
- Venting can be installed with any combination of rise and run between the appliance and the termination, including up to 3 feet below the unit *(see **Figure 2**)*.

Note:

- Plan vent lengths to prevent joints at intersections of ceiling or roof joists.
- Ensure vent pipe is properly supported (for details, see the fireplace *Installation Instructions*).
- Make allowances for elbows, as indicated in the fireplace *Installation instructions*. Elbows are available in 90° and 45° configurations.
- To select vent length combinations and view a list of straight vent effective lengths, see the fireplace *Installation Instructions*.
- For approved venting components and catalog numbers, see "Listed Vent Components" in this manual, as well as the fireplace *Installation Instructions*.
- For additional details on venting installation, see the fireplace *Installation Instructions*.

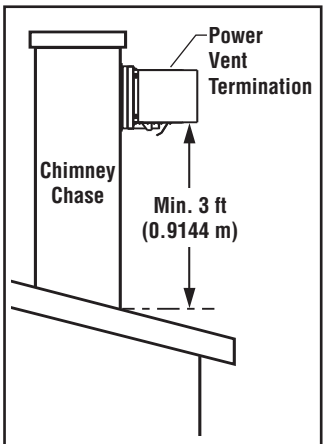


Figure 2a: Chimney Chase Power Vent Termination

Remember to maintain minimum clearances to combustibles! See *Figure 3* on Page 4.

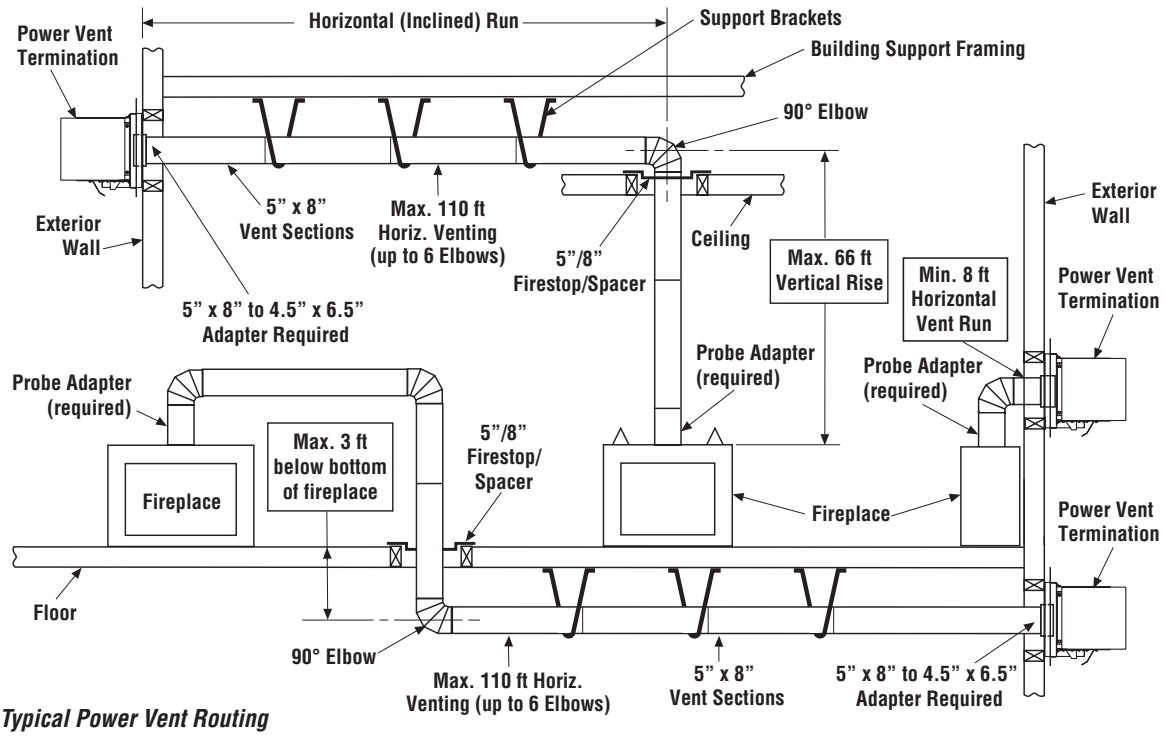
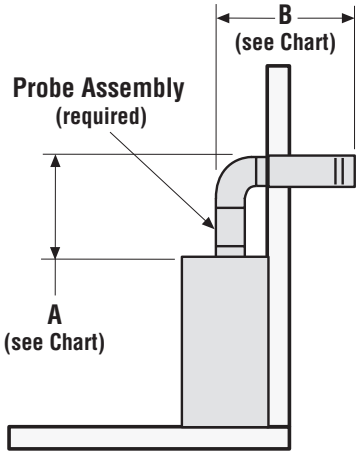


Figure 2: Typical Power Vent Routing

VENTING CHART Power Vent Kit LPVK-110 (Cat. No. H7387)	
Maximum Number of 90° Elbows	6
Maximum Vent Run (A + B)	110 ft
Minimum Horizontal Run (B)	8 ft
Minimum Vertical Run (A)	Probe Assembly and Elbows
Maximum Vertical Rise (A)	66 ft



MINIMUM CLEARANCES TO COMBUSTIBLES	
Vertical Vent Pipe	1 in. (25.4 mm)
Horizontal Vent Pipe	Top: 3 in. (76.2 mm) Sides: 1 in. (25.4 mm) Bottom: 1 in. (25.4 mm)

All other clearances are as listed in the appliance *Installation Instructions.*

Figure 3

3. Attach the probe assembly [#2] to the fireplace collar.

Note:

- **Attach the Probe Assembly before connecting any other vent components to the fireplace.**
- **Attach the Probe Assembly directly to the appliance collar.**

The Probe Assembly (Item #2 in ***Table 1***) is compatible with other direct-vent system components.

Attach the Probe Assembly directly to the fireplace collar in the manner shown in Figure 4, below.

All fireplace models compatible with this Power Vent Kit are fitted with collars that have locking inclined channels. Compatible fireplaces are listed in ***Table 2*** on **Page 2**.

4. Complete the vent run.

After attaching the Probe Assembly, add additional vent system components in accordance with the requirements and vent charts in the specific fireplace *Installation Instructions*.

Attach vent system components in the manner shown in ***Figure 4***, "**Connecting Vent Components.**"

Connecting Vent Components

Direct-vent venting system components are unitized concentric pipe components featuring positive twist-lock connections.

To connect Vent venting components:

1. Attach the dimpled end of one section to the incline-channel end of the other section, making sure to align the four dimples with the inlets of the four incline channels.
2. Push the section being attached against the adjoining section until fully engaged.
3. Twist the section being attached CLOCKWISE, running the dimples down and along the channels until seated at the ends of the channels. **The sections are properly seated when the arrow on one section aligns with the dimple on the other section** (see illustration).

The unitized design of **Vent** components will engage and seal both the inner and outer pipe without the need for sealant or screws. If desired, however, a #6 x 1/2" screw may be used at each joint (not required).

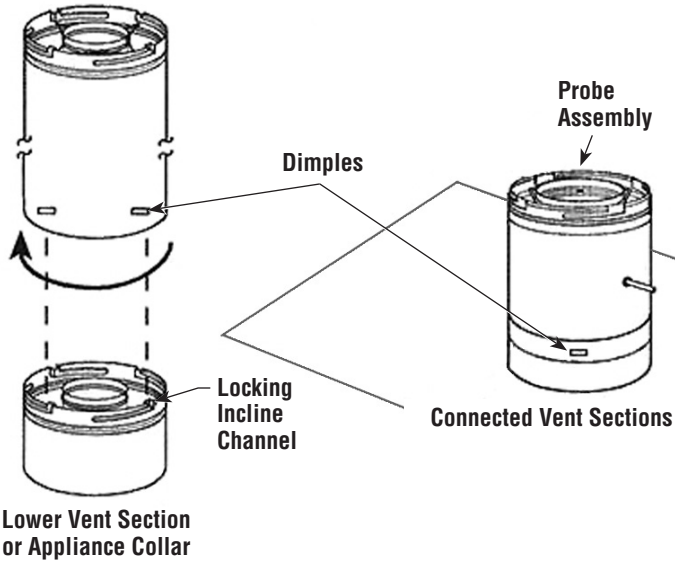
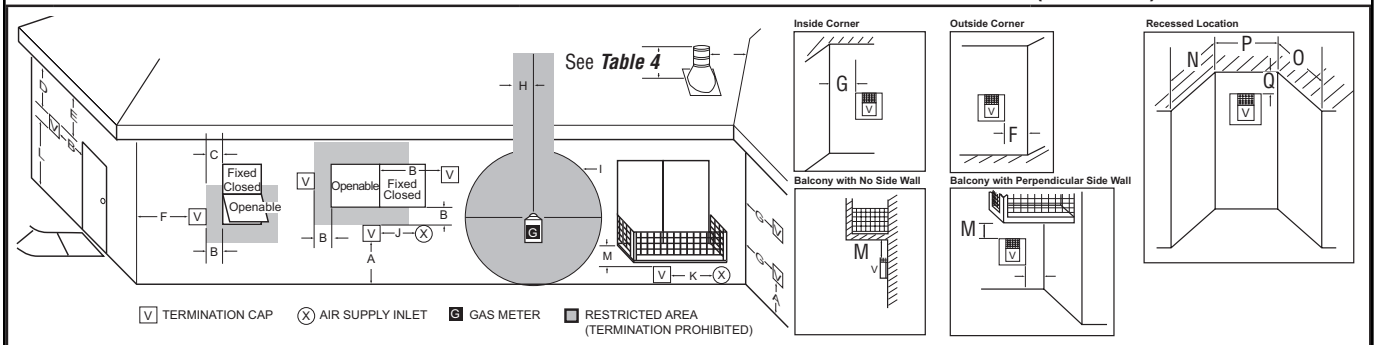


Figure 4

EXTERIOR HORIZONTAL VENT TERMINATION CLEARANCE REQUIREMENTS (ANSI/CSA)



		U.S. Installation **	Canadian Installation *
A	Clearance above grade, veranda, porch, desk, or balcony	12" (300 mm) **	12" (300 mm) *
B	Clearance to window or door that may be opened	6" (150 mm) for fireplaces < 10,000 Btu/h (3 kW), 9" (230 mm) for fireplaces > 10,000 Btu/h (3 kW), and < 50,000 Btu/h (15 kW), 12" (300 mm) for fireplaces > 50,000 Btu/h (15 kW) **	6" (150 mm) for fireplaces < 10,000 Btu/h (3 kW), 12" (300 mm) for fireplaces > 10,000 Btu/h (3 kW)
C	Clearance to permanently closed window	9" (229 mm) recommended to prevent window condensation	12" (305 mm) recommended to prevent window condensation
D	Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 18" (458 mm)	18" (458 mm)	18" (458 mm)
E	Clearance to unventilated soffit	12" (305 mm) 30" (760 mm) to vinyl soffit	12" (305 mm) 30" (760 mm) to vinyl soffit
F	Clearance to outside corner	5" (127 mm) minimum	5" (127 mm) minimum
G	Clearance to inside corner	2" (51 mm) minimum	2" (51 mm) minimum
H	Clearance to each inside of center line extended above meter / regulator assembly	36" (910 mm) within a height of 15 ft above the meter / regulator assembly **	36" (910 mm) within a height of 15 ft above the meter / regulator assembly *
I	Clearance to service regulator vent outlet	36" (910 mm)**	36" (910 mm)*
J	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other fireplace	6" (150 mm) for fireplaces < 10,000 Btu/h (3 kW), 9" (230 mm) for fireplaces > 10,000 Btu/h (3 kW) and < 50,000 Btu/h (15 kW), 12" (300 mm) for fireplaces > 50,000 Btu/h (15 kW)**	6" (150 mm) for fireplaces < 10,000 Btu/h (3 kW), 12" (300 mm) for fireplaces > 10,000 Btu/h (3 kW)
K	Clearance to a mechanical air supply inlet	36" (910 mm) above if within 10 ft (3 m) horizontally **	72" (1830 mm) *
L	Clearance above paved sidewalk or paved driveway located on public property	84" (2130 mm) ‡	84" (2130 mm) ‡
M	Clearance under veranda, porch, deck or balcony	12" (300 mm) *‡	12" (300 mm) *‡
N	Depth of alcove (maximum)	72" (1830 mm) **	72" (1830 mm) *
O	Clearance to termination (alcove)	6" (15.2 mm) **	6" (15.2 mm)*
P	Width of alcove (minimum)	36" (910 mm) **	36" (910 mm) *
Q	Clearance to combustible above (alcove)	18" (457 mm) **	18" (457 mm) *

* In accordance with the current CAN/CGA-B149.1 National Gas And Propane Installation Code

** In accordance with the current ANSI Z223.1/NFPA 54 National Fuel Gas Codes

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

*‡ Only permitted if veranda, porch, deck, or balcony is fully-open on a minimum two sides beneath the floor

Figure 5

Note:

- *Typical fireplace shown in illustrations. Location of components on actual fireplace may vary.*

5. Install cover wire plate.

5.1. Remove round cover on left side of fireplace.

5.2. Install the **snap bushing** [#13] in the hole for the vacuum hose on wire cover plate [#10].

5.3. Install the **strain relief** [#7] in the hole for the electrical wiring on wire cover plate [#10].

5.4. Secure the **vacuum hose** to the probe on the **probe assembly** with one of the provided **hose clamps [#12]** ***(Figure 7)***.

5.5. Use provided Velcro strips to position the pressure switch on the lower valve compartment floor and attach pressure switch hose to pressure switch and probe assembly (see ***Figure 9***).

5.6. Route the **vacuum hose** [#3] from the location of the **probe assembly** [#2] on the fireplace, through the **snap bushing**, and into the fireplace control compartment.

Note:

- **Take care not to kink or damage the hose.**
- **Allow enough hose at both ends for hookup (Cut off excess hose).**
- **The entire run of vacuum hose must be safety plated, to prevent damage from framing nails and finish screws.**

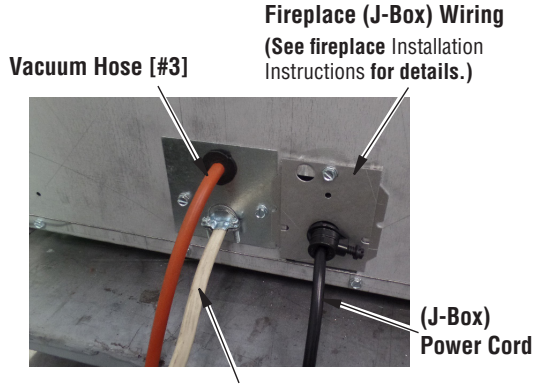


Figure 6

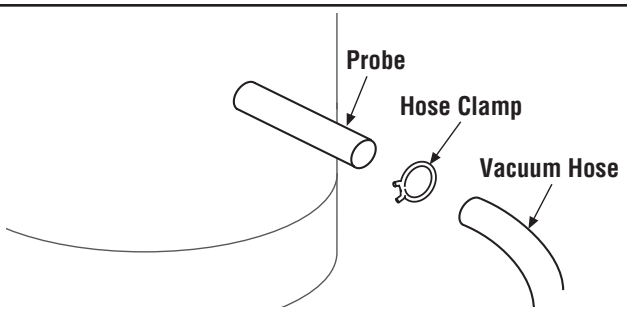


Figure 7

6. Route Romex wiring and connect to termination.

Note: Electrical wiring must be performed by a qualified electrician.

6A. Typical Wiring Instructions

*For use when access to the termination is easy. (If access to the termination is difficult because of height or other reasons, see "**Alternate Wiring Instructions**," on page 7.)*

ADDITIONAL REQUIRED PARTS (not provided)

- 14-gauge AWG Grounded Romex Cable

6A.1. Remove the **termination junction box cover** by removing one screw *(*Figure 8*)*. Set aside for later reinstallation.

6A.2. Loosen the **termination strain relief** ***(Figures 8 and 10)***.

Pull in the **termination wiring pigtail**.

6A.3. Route one end of a 14-gauge AWG grounded Romex cable (not provided) to the **termination junction box**.

Route the other end of the Romex cable into the fireplace control compartment (through the strain relief installed in **Step 6**). Cut to length before installing the terminals.

Note: The wiring must be safety plated, to prevent damage from framing nails and finish screws.

(Continued on next page)

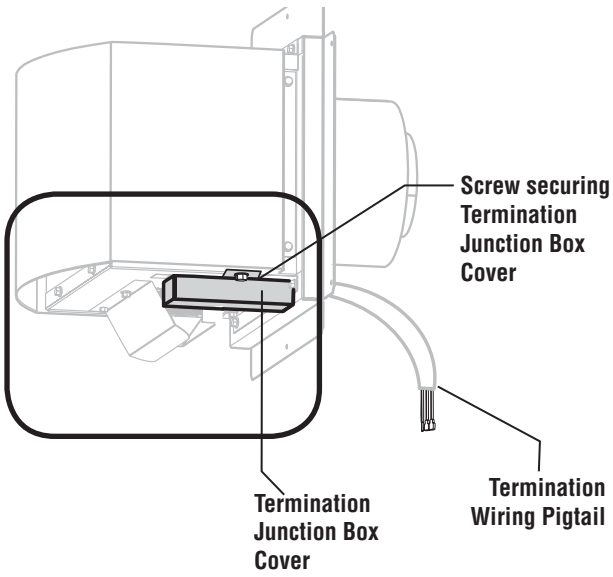


Figure 8: Power Vent Termination Assembly [#1]

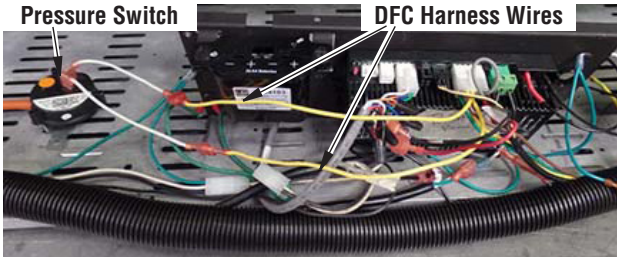


Figure 9 - Connecting Pressure Switch

Note:

- *Typical fireplace shown in illustrations. Location of components on actual fireplace may vary.*
- *Numbers in brackets correspond to items in* ***Table 1*** *(***Page 2***).*

6A.4. *See* ***Figure 10****.* Install **ring terminals** [#8] on *both ends* of the Romex GROUND wire.

Install **insulated male terminals** [#9] on *both ends* of the Romex BLACK and WHITE wires.

6A.5. Connect the Romex BLACK and WHITE wires to the **termination wiring pigtail** BLACK and WHITE wires (respectively).

Attach a **ring terminal** [#8] to the Romex GROUND wire, and then connect it to the **termination** *under an existing structural screw (****Figure 11a****) Existing green ground wire can be removed and discarded.*

6A.6. Reattach the **junction box cover** to the **termination** using the previously removed screw (***Figure 8,*** page 6).

The *fireplace end* of the Romex cable will be addressed in **Step 10**, "**Connect power vent system to fireplace control system**."

6B. Alternate Wiring Instructions

For use when access to the termination is difficult because of height or other reasons. A second junction box is required (not provided).

ADDITIONAL REQUIRED PARTS (not provided)

- Electrical Junction Box
- 14-gauge AWG Grounded Romex Cable

6B.1. Install an electrical junction box (not provided) within reach of the **termination wiring pigtail** *(see* ***Figure 8****, page 6).*

6B.2. As the **termination** is being installed, route the **termination wiring pigtail** to the new junction box.

6B.3. Route one end of a 14-gauge AWG grounded Romex cable (not provided) to the new junction box, close to the termination.

Route the other end of the Romex cable into the fireplace control compartment (through the strain relief installed in **Step 6**). Cut to length before installing the terminals.

Note: The wiring must be safety plated, to prevent damage from framing nails and finish screws.

6B.4. See ***Figure 10****.* Install **ring terminals** [#8] on *both ends* of the Romex GROUND wire.

Install **insulated male terminals** [#9] on *both ends* of the Romex BLACK and WHITE wires.

Using standard electrical practices, connect the three wires of the Romex cable to the **termination wiring pigtail** inside the new junction box. Ensure ground.

The *fireplace end* of the Romex cable will be addressed in **Step 8**, **"Converting Control from Natural Draft to Power Vent"**.

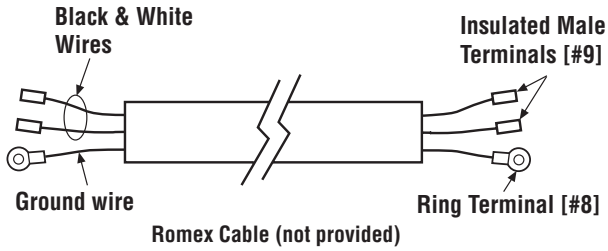


Figure 10: Romex Cable

(BACK OF TERMINATION)

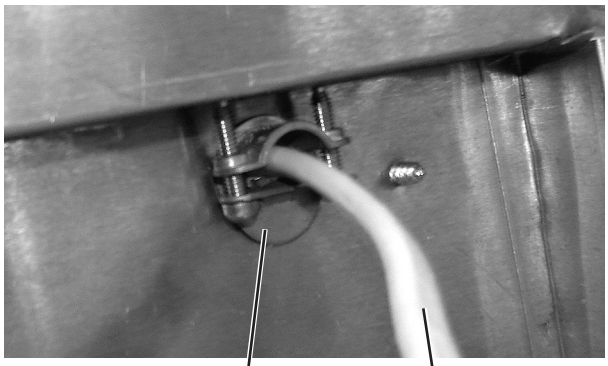


Figure 11: Romex Wire Connection

TERMINATION (JUNCTION BOX COVER REMOVED)



Figure 11: Junction Box Connections

7. Install the power vent termination [#1]**.**

7.1. Assemble the vent run to the exterior wall:

a) If not previously measured, locate the center of the vent at the exterior wall, and prepare an opening as described in the fireplace *Installation Instructions*.

b) Assemble the vent system to the point where the end of the last section is within 8 inches of the outside wall surface where the **power vent termination** is to be mounted *(**Figure 12**)*.

c) If the end of the last section is not within this distance, use the **Telescopic Vent Section** as the last vent section.

Note: For wall thicknesses greater than shown in Figure 12, refer to the fireplace *Installation Instructions* for other venting components that may be required (in addition to the **power vent termination** [#1] and **assembly adapter** [#6]).

7.2. *See **Figure 13***. Attach the **assembly adapter** [#6] to the last vent section and secure with sheet metal screws. Attach the assembly adapter in the manner shown in ***Figure 4***, "**Connecting Vent Components.**"

7.3. *See* Figure 13. Install the **firestop assembly** [#11]:

a) Install the **firestop assembly** over the opening on the exterior side of the framing, long side up, with 3-inch spacer clearance at the top.

b) Nail into place.

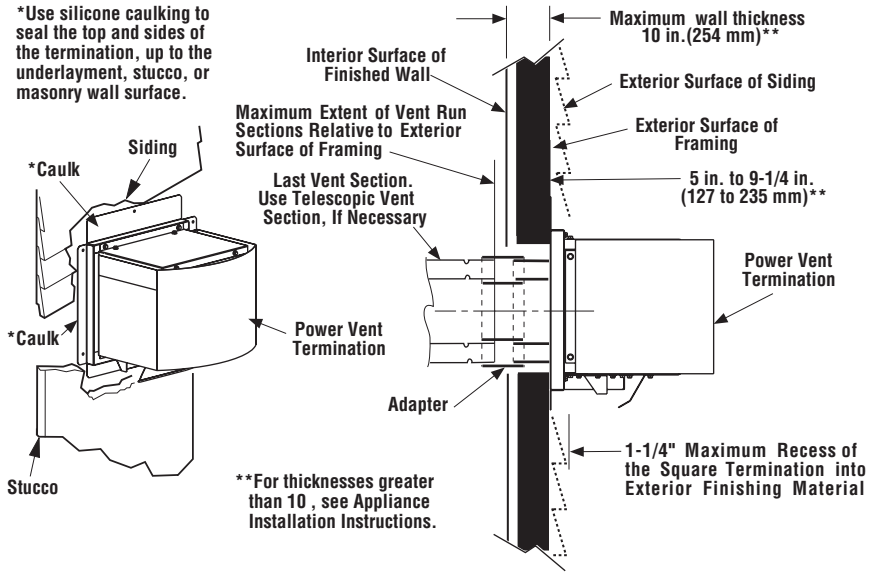
7.4. Install the **power vent termination** [#1]:

a) From outside the exterior wall, slide the collars of the **termination** onto the **termination adapter** (the outer inside the outer and the inner outside the inner) until the **termination** seats against the exterior wall surface to which it will be attached.

b) Orient the **termination** housing with the arrow pointing UP.

c) Secure the **termination** to the exterior wall.

Note: **Do not recess the termination into the exterior wall or siding by more than 1-1/4" (32 mm), as shown in *Figure 12*.**



Venting Connection and Exterior Wall Recessing of the Power Vent Horizontal Termination

Figure 12

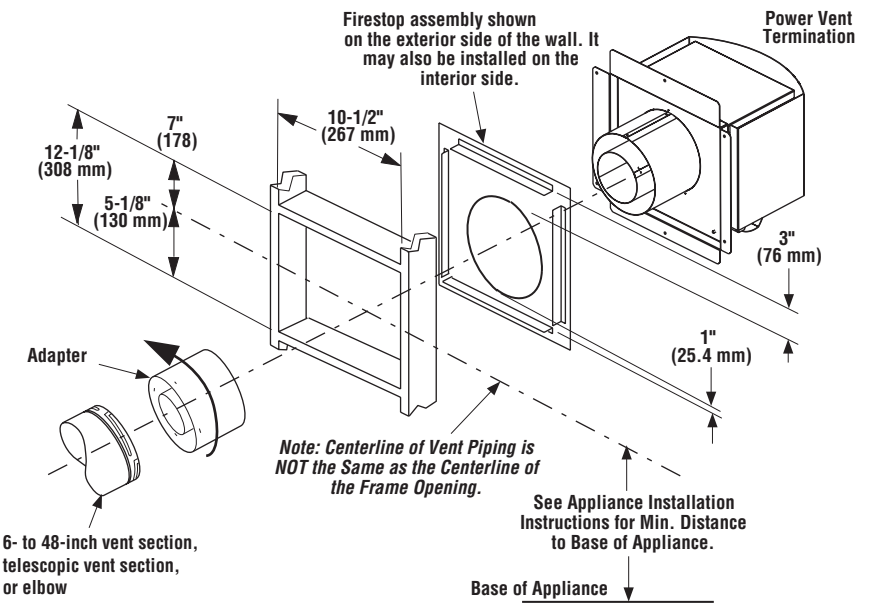


Figure 13: Installing Power Vent Horizontal Termination

NOTICE

Our horizontal terminations are designed to perform in a wide range of weather conditions and meet or exceed industry standards.

NEVER place a horizontal termination where water from eaves or rooflines may create a heavy flow of cascading water onto the termination cap. If the cap must be placed where the possibility of cascading water exists, it is the responsibility of the builder to direct the water away from the termination cap using gutters or other means.

Carefully follow the installation instructions for the termination, including the use of silicone caulking where required.

⚠ CAUTION

This kit is NOT for use on millivolt appliances.

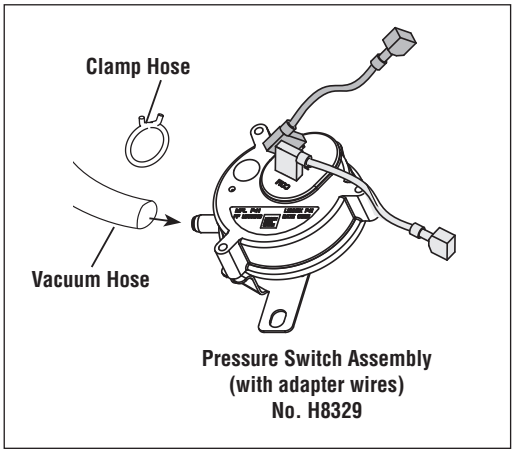
CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

ATTENTION : Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peu-vent entraîner un fonctionnement inadéquat et dangereux.

Verify proper operation after servicing.

S'assurer que l'appareil fonctionne adé-quatement une fois l'entretien terminé.

CAUTION: Ground supply lead must be connected to the wire attached to the green ground screw located on the outlet box. Failure to do so will result in a potential safety hazard. The appliance must be electrically grounded in accordance with local codes or, in the absence of local codes, the National Electrical Code, ANSI/NFPA 70-latest edition (In Canada, the current CSA C22-1 Canadian Electrical Code).



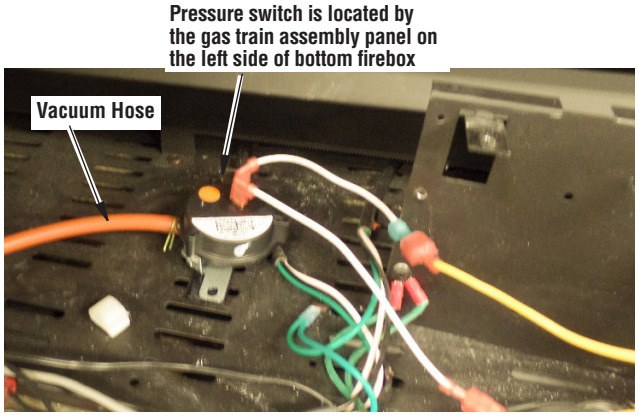


Figure 14 - Connecting Vacuum Hose to Pressure Switch

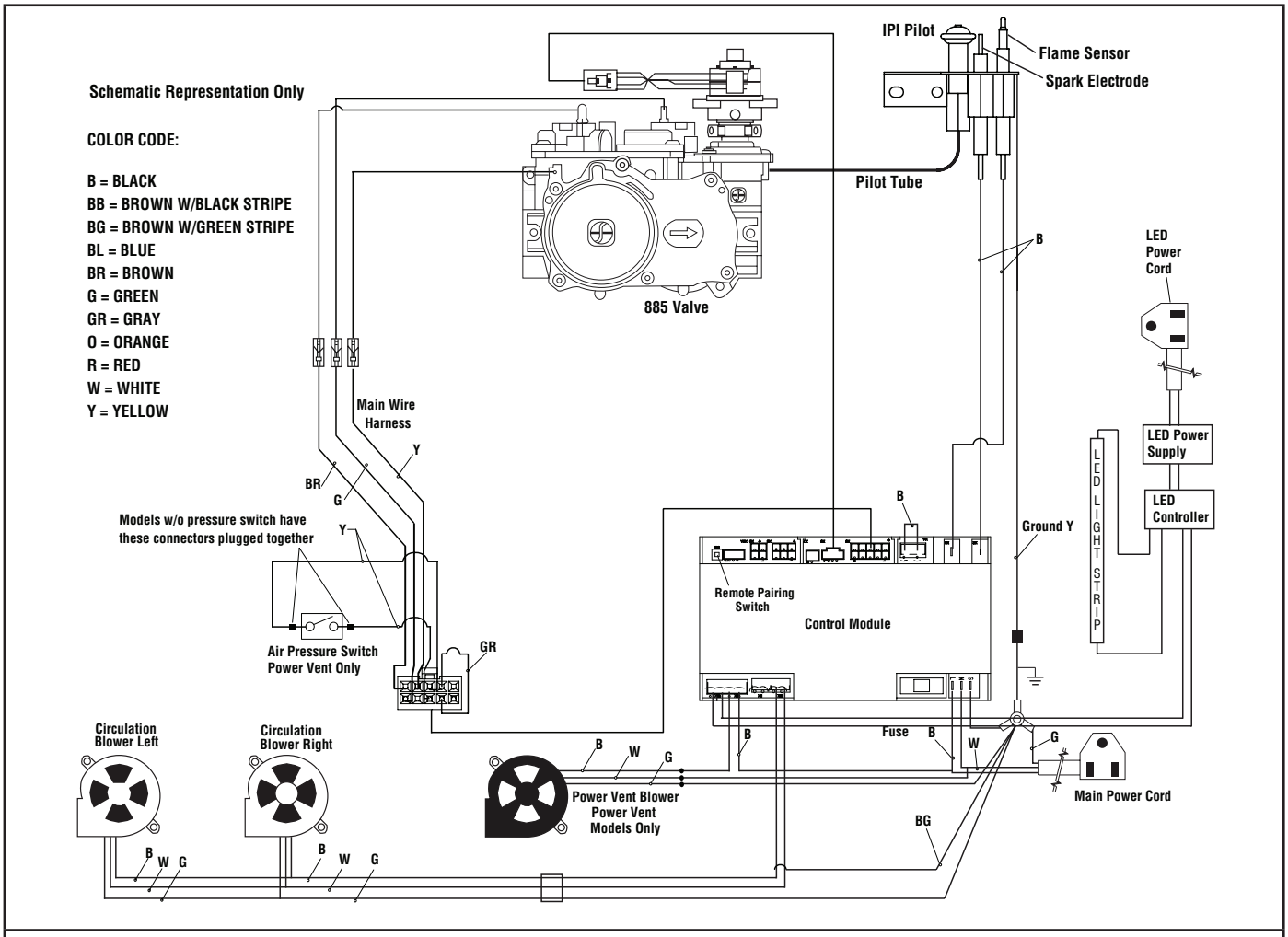


Figure 15: Electronic Wiring Diagram - SIT Proflame II

8. Converting Control from Natural Draft to Power Vent

1. Disconnect POWER from the PF2 module and all other wiring. Remove all connectors from PF2. Unscrew PF2 module from bracket. Use a flat head screwdriver to unsnap and remove module box cover (see ***Figure 16***). Remove Jumper from "JP1" location. Reinstall Module box cover and install the PF2 module to the bracket (see ***Figure 16***).

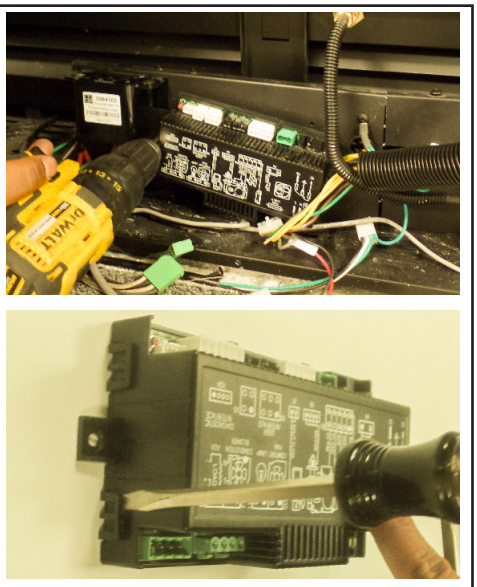


Figure 16: Removing PF2 Module Cover

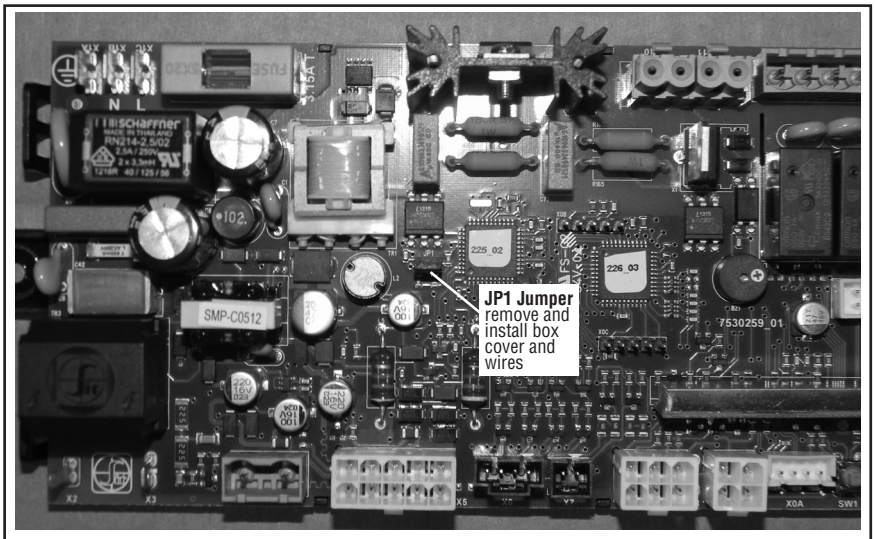


Figure 17: Removing JP1 Jumper to Enable Power Vent

2. Remove any battery backup systems connected to the fireplace controls and discard (see ***Figure 18***).
3. Cut CPI/IPI jumper wire and isolate to prevent shortening (see ***Figure 19***).
4. Disconnect the existing main power cord from plug and unscrew ground wires from mounting bracket and discard power cord (***Figure 19***).
5. Disconnect yellow ground wire going to pilot.
6. Connect new supplied power cord to PF2 module.
7. Connect ground wire to yellow pilot ground wire (***Figure 21***).
8. Connect power cord to power plug (***Figure 20***).

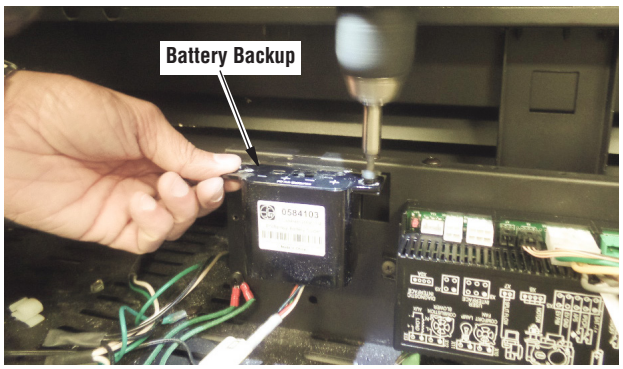


Figure 18: Remove/Discard Battery backup

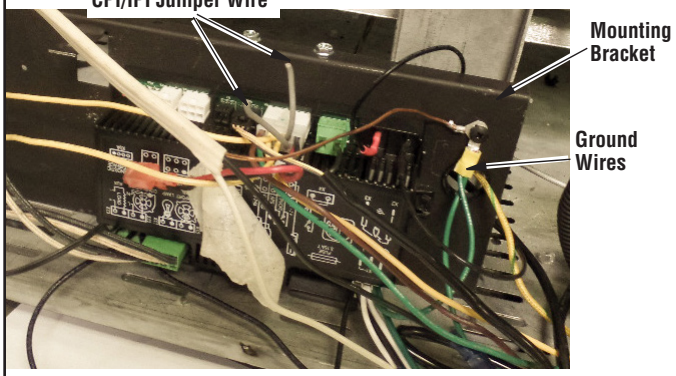


Figure 19: Disabling CPI/IPI

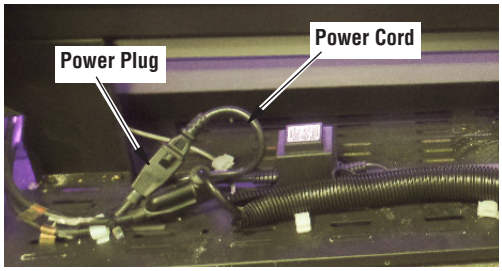


Figure 20: Connecting/Disconnecting Power Cord from Plug

NOTE: **If JP1 is not removed the control will remain in natural draft mode and the appliance will not operate. Power vent termination is controlled by contacts between the two (2) terminals in X-12 plug. This contact will remain open at all times unless control is in power vent mode.**

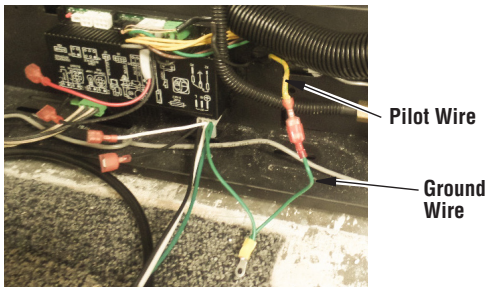


Figure 21: Connecting /Disconnecting Ground to Pilot

9. Wiring SIT PROFLAME II electronic control system

Note: These electronic appliances must be connected to the main power supply. The gas valve is installed and pre-wired at the factory.

1. At the PF2 control module Disconnect the 2 joined yellow DFC harness wires (male and female connector). Connect the white wires #14 and #15 with the female connector to the provided pressure switch 90° end to the pressure switch. Join the yellow wires to the provided white wires. Connect to the pressure switch (see ***Figure 22*** for visual).
2. Connect the Green 2 pin connector #16 to the X12 of the PF2 control module and connect the black wire to the black wire on the PF2 Power harness. Connect the other side black wire to the Romex cable coming from the Power Vent (***Figure 22***).
3. Connect the White Romex cable coming from the power vent to the PF2 Power Harness white connector (Figure 22).
4. Connect the ground wire from the Romex cable to any ground pin on the fireplace.(***Figure 23***)

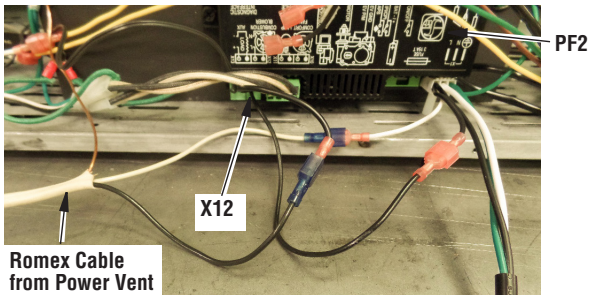


Figure 22 - Connecting Romex Wire to PF2

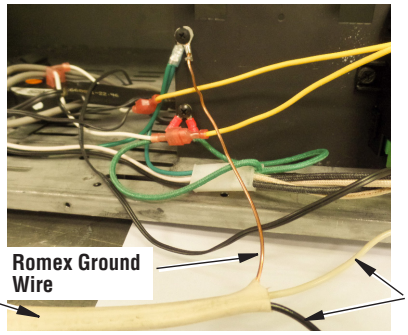


Figure 23 - Connecting Romex Wire to Ground

Programing Remote Control to PF2
Initializing the Remote Control System

After completing power vent installation, initialize the remote control system before operating the fireplace.

1. Insert the three (3) provided AAA batteries into the battery bay in the transmitter, taking care to correctly align polarity (+/-).
2. Locate the red (SW1) button on PF2 module.
3. Press and release the red (SW1) button (***Figure 25***).
   Note: The receiver will "beep" three times to indicate it is ready to synchronize with the transmitter.
4. On the transmitter (***Figure 24***), press the ON button. The receiver will "beep" three times to indicate acceptance of the transmitter's command (and set the receiver to the transmitter's specific code). The system is now initialized.



Figure 24: Transmitter (Remote Control)

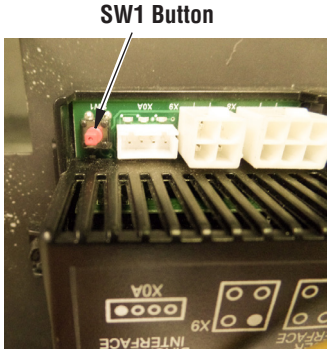


Figure 25: Locating SW1 Button

Sequence of Operation

After the fireplace is turned on by the remote or wall switch the control will automatically:

1. Check to see pressure switch is open
2. Close contact at X-12 and turn on the Power Vent (there may be up to 5 sec. delay for this step)
3. Wait for the power vent to get up to speed and create enough vacuum to turn on the pressure switch.
4. Complete the 30 second pre-purge to clear the firebox of any residual gas or combustion products.
5. Start the pilot and Main Ignition sequence.

If pressure switch is shorted or jumped the control will not turn on the power vent terminal until the pressure switch circuit is opened. After the termination is powered the control must see the switch close before starting ignition sequence.

Post Purge

When the fireplace is turned off using the Remote Control or Wall Switch, the control system will automatically

1. Turn off the gas to the Main burner and Pilot Burner
2. Complete a 2 minute post purge cycle to clear the firebox of residual combustion products (Power vent will stay running during this time)
3. Turn off the Power Vent.

POWER VENT TERMINATION DIMENSIONS

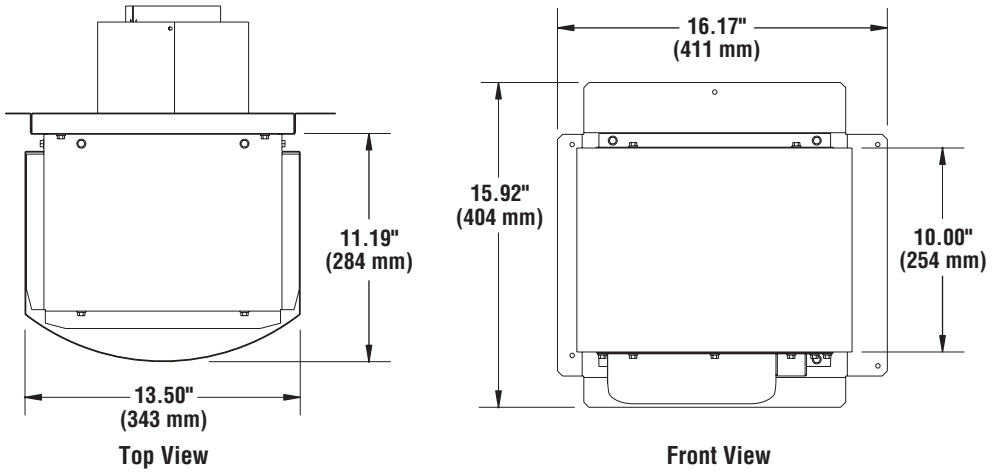


Figure 26

POWER VENT OPERATING INSTRUCTIONS

Appliance Operation

Familiarize yourself with the gas control valve that your appliance uses. Refer to your fireplace *Installation Instructions* for the location of the gas control valve on your specific fireplace.

To light the appliance, refer to the detailed lighting instructions in the fireplace *Care and Operation Instructions* or on the pull-out lighting instruction labels attached to the gas control valve.

Purge Cycle

The Power Vent Termination has an exhaust blower that expels the exhaust gases from the venting system. Read "NOTICE REGARDING PURGE CYCLE," **below**.

NOTICE REGARDING PURGE CYCLE

This is a power-vented fireplace that requires household electrical power to operate. When the fireplace is turned OFF, the exhaust blower will continue to operate for up to two minutes, to purge exhaust gases from the venting system. This system will NOT operate during a power outage.

Power Vent Control Sequences

Turn ON

1. Turn ON the Thermostat or ON/OFF Switch.
2. The power vent should start immediately.
3. The ignitor will start sparking, and the pilot will light.
4. The burner should light after a few seconds.
5. The fireplace and the power vent should run continuously until the Thermostat or ON/OFF Switch is turned OFF.

Turn OFF

1. Turn OFF the Thermostat or ON/OFF Switch.
2. The burner and pilot light should be off immediately.
3. The power vent will continue to run for about 120 seconds, and then the blower will stop.

For additional operating instructions, please refer to the manuals provided with your fireplace.

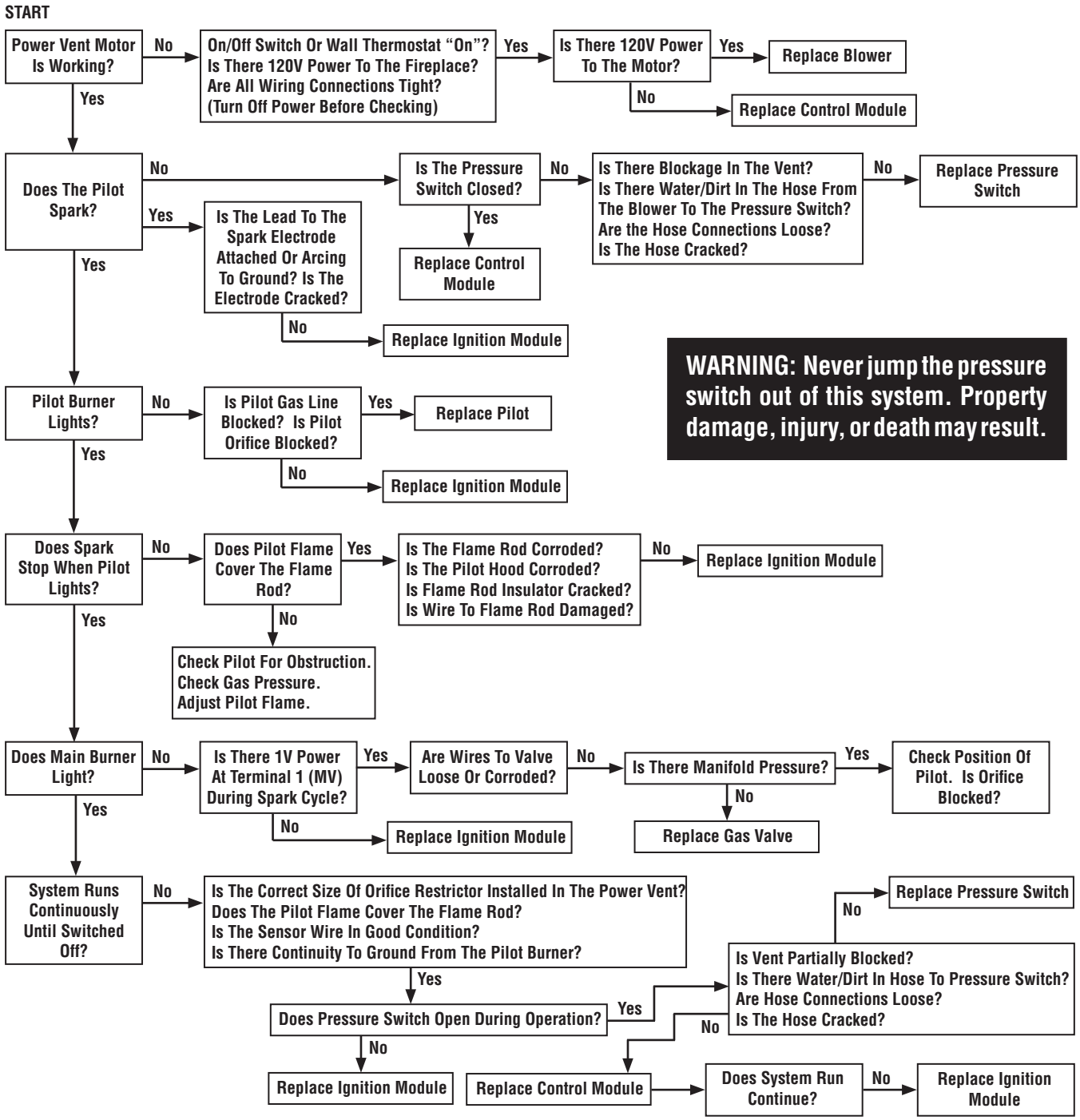
Product manuals are available for download at **IHP.us.com** or **Astria.us.com** (**Technical Support** tab)

TROUBLESHOOTING THE POWER VENT SYSTEM

IMPORTANT: *Service must be performed by a qualified installer, service agency or your gas supplier.*

BEFORE COMMENCING TO TROUBLESHOOT THE UNIT:

1. Check if there is power to the unit (fireplace).
2. Check if there is gas to the unit (fireplace).
3. The igniter module in the fireplace is equipped with a lockout device, which will put the unit into a lockout condition. Follow the steps in the chart below to reset the control: Turn the On/Off switch to the Off position, or turn the thermostat to the Off position.
4. If this is the first time that the unit has been fired, check the wiring of the unit against the wiring diagram before commencing troubleshooting.



LISTED VENTING COMPONENTS

Table 3 - Listed - Venting Kits and Components

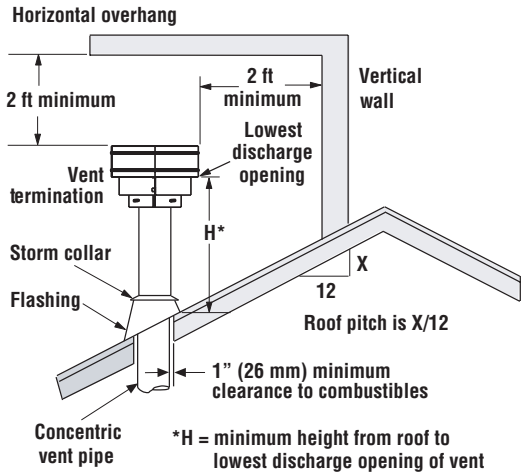
IHP (5/8") Pipe & Vent Kits

IMPORTANT NOTE: The installation accessories shown in this section are part of the safety agency listing for the product models represented in this manual.

Cat. No.	Part No.	Description
J2209	P58-6	6" Section Double Wall Pipe, Galvanized
J2201	P58-12	12" Section Double Wall Pipe, Galvanized
J2203	P58-24	24" Section Double Wall Pipe, Galvanized
J2205	P58-36	36" Section Double Wall Pipe, Galvanized
J2207	P58-48	48" Section Double Wall Pipe, Galvanized
J2082	PA58-712	Adjustable 7"-12" Section Double Wall Pipe, Galv.
J0661	E58-45	45° Elbow, Galvanized
J0663	E58-90	90° Elbow, Galvanized
J1504	HTS-58	Horizontal Square Termination, Galvanized
J3190	VT-58	Vertical Round Termination, Galvanized
J2300	SC-58	Storm Collar, Galvanized
J3479	WF-58	Wall Firestop, Galvanized
J2251	RF-58-6	Roof Flashing - 0 to 6/12 Pitch, Galvanized
J2249	RF-58-12	Roof Flashing - 6/12 to 12/12 Pitch, Galvanized
J3134	VR-58	Vertical Restrictor, Galvanized
J2292	S-58	Vinyl Siding Standoff, Galvanized
J3483	WS-58	Wall Strap
J0373	CS-58	Cathedral Ceiling Support
J0953	FP-58	Firestop Plate
J2316	SF-58	Stucco Flashing - For use with HTS-58
J1484	HHTK-58	High Wind Rd. Hor. Termin Kit

Table 4 - Termination Heights for Vents above Flat or Sloped Roofs (NFPA 54 / ANSI Z223.1)—Gas Vent Rule

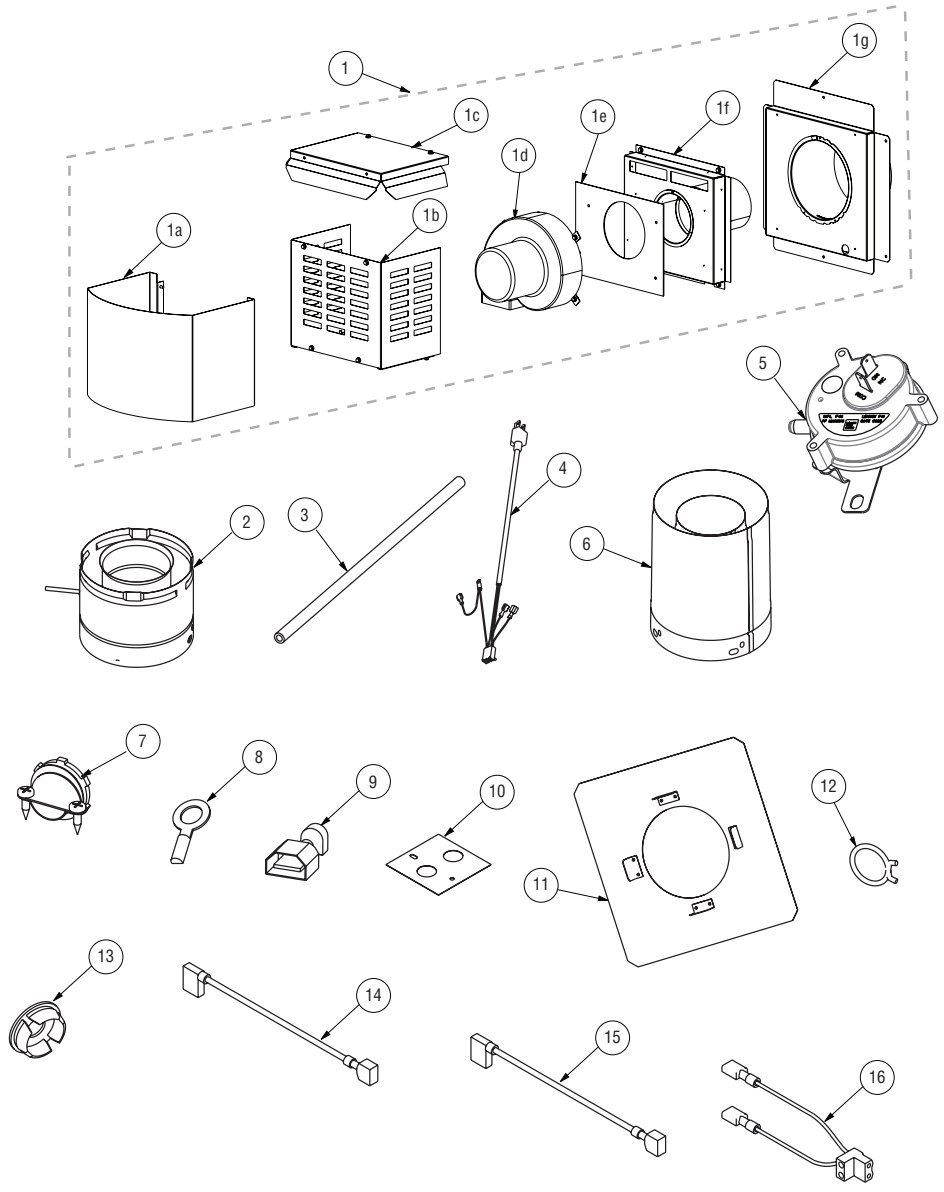
Roof Pitch	Termination Height *
Flat to 6/12	1.0 ft (0.3 m)
6/12 to 7/12	1.25 ft (0.38 m)
7/12 to 8/12	1.5 ft (0.46 m)
8/12 to 9/12	2.0 ft (0.61 m)
9/12 to 10/12	2.5 ft (0.76 m
10/12 to 11/12	3.25 ft (0.99 m)
11/12 to 12/12	4.0 ft (1.22 m)
12/12 to 14/12	5.0 ft (1.52 m)
14/12 to 16/12	6.0 ft (1.83 m)
16/12 to 18/12	7.0 ft (2.13 m)
18/12 to 20/12	7.5 ft (2.29 m)
20/12 to 21/12	8.0 ft (2.44 m)



POWER VENT REPLACEMENT PARTS

Item	Cat./Part No.	Description	Qty.
1	H7372	Power Vent Termination	1
1a	---	Wrapper Cover	1
1b	---	Wrapper	1
1c	---	Wrapper Top	1
1d	---	Blower Assembly	1
1e	---	Blower Gasket	1
1f	---	Kicker Assembly	1
1g	---	Base Assembly Power Vent	1
2	---	Assembly Probe	1
3	---	Vacuum Hose (10 ft.)	1
4	---	Harness Wiring	1

Item	Cat./Part No.	Description	Qty.
5	H8329	Pressure Switch	1
6	---	Assembly Adapter	1
7	---	Strain Relief - 3/8"	2
8	---	#10 Ring Terminal	2
9	---	Terminal Insulated 1/4" Male	4
10	---	Cover, Wire	1
11	---	Firestop Assembly (Horizontal)	1
12	---	11/32" Clamp Hose	2
13	---	Bushing Snap	1
14	---	Wire Adapter, Female/Male	1
15	---	Wire Adapter, Female/Male	1
16	---	Harness Wiring	1



NOTE: DIAGRAMS AND ILLUSTRATIONS ARE REPRESENTATIVE AND ARE NOT DRAWN TO SCALE.

NOTES

NOTES

NOTES

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