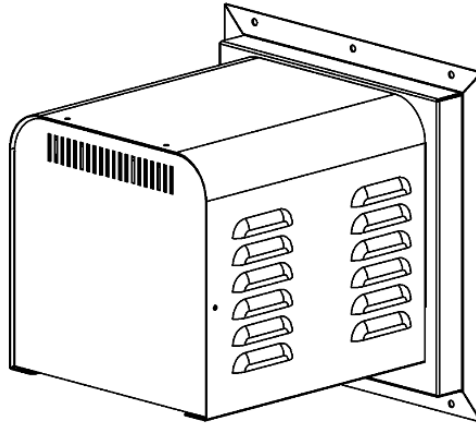




-INSTALLATION INSTRUCTIONS- HORIZONTAL POWER VENT TERMINATION Model Numbers: PVH58



**INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.
CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.**

**READ THIS COMPLETE MANUAL BEFORE BEGINNING INSTALLATION.
THESE INSTRUCTIONS MUST BE KEPT ALONG WITH THE APPLIANCE INSTRUCTIONS FOR FUTURE REFERENCE.**

The PVH58 Horizontal Power Vent Termination is intended for use where standard venting configurations are not possible.

NOTE: MODELS EQUIPPED WITH MILLIVOLT/ STANDING PILOT IGNITION:
Downward vertical vent runs are **NOT** permitted.

NOTE: MODELS EQUIPPED WITH INTERMITTENT PILOT IGNITION (PROFLAME 1 or PROFLAME 2):
Downward vertical vent runs are permitted, however, Cold Climate Switch (Standing Pilot Mode) must **NOT** be used.

INSTALLATION TO BE DONE BY A QUALIFIED INSTALLER. This appliance, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code or with the national Electrical Code; ANSI/NFPA 70-1987 when installed in the United States.

The PVH58 Horizontal Power Vent Termination operates on 120VAC Power, 60Hz, 120 watts, which is supplied by the junction box inside the fireplace.

⚠ WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

⚠ WARNING:

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.



Kingsman Fireplaces
A Division of R-Co. Inc.
2340 Logan Avenue
Winnipeg, Manitoba, Canada
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Ph: (204) 632-1962

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Warnings, Installations and Operations - Installation Regulations

This gas appliance must be installed by a qualified installer in accordance with local building codes, or in the absence of local codes, with the current CAN/CSA-B149.1 or .2 Installation Code (in Canada) or the current National Fuel Gas Code Z223.1- NFPA 54 when installed in the United States.

This appliance, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code or with the National Electrical Code; ANSI/NFPA 70 when installed in the United States.



FOR SAFE INSTALLATION AND OPERATION OF YOUR GAS FIREPLACE PLEASE NOTE THE FOLLOWING:

1. Do not clean when the glass is hot.
2. Do not use abrasive cleaners.
3. Using a substitute glass will void all product warranties.
4. For safe operation, glass doors must be closed.
5. When purging the gas line, the glass front must be removed.
6. Do not strike or abuse glass. Take care to avoid breakage.
7. Do not alter gas orifice.
8. No substitute materials may be used other than factory supplied components.
9. This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies.
10. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
11. 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 a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.
12. Under no circumstances should any solid fuels (wood, paper) be used in this appliance.
13. Under no circumstances should this appliance be modified. Any parts that have to be removed for servicing should be replaced prior to operating this appliance.
14. Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.
15. 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 material, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
16. Clothing or other flammable material should not be placed on or near the appliance. This appliance should not be used as a drying rack for clothing nor should Christmas stockings or decorations be hung from it.
17. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.
18. Do not operate appliance unless completely installed as per installation instructions.
19. Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
20. **WARNING: Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.**
21. The appliance area must be kept clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
22. The front of the fireplace gives off high temperatures that could ignite combustible material which is kept close to the front of the unit.
23. Ensure that power to the Fireplace is turned off before servicing.
24. Do not operate this Fireplace without the glass front or with a broken glass.
25. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.
26. Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shutoff system can result in carbon monoxide (CO) poisoning and possible death.
27. This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.
28. **NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE.** This appliance is tested and approved as either supplemental room heat or as a decorative appliance. It should not be factored as primary heat in residential heating calculations.
29. This appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Installation Requirements for the Commonwealth of Massachusetts

In the Commonwealth of Massachusetts, the installer or service agent shall be a plumber or gas fitter licensed by the Commonwealth.

When installed in the Commonwealth of Massachusetts or where applicable codes; the unit shall be installed with a CO detector per the requirements listed below.

1. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment, where the bottom of the vent terminal and the air intake is installed below four feet above grade the following requirements must be satisfied:
 - A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
 - B. A carbon monoxide detector shall be located in the room that houses the appliance or equipment and shall:
 - Be powered by the same electrical circuit as the appliance or equipment such that only one service switch services both the appliance and the carbon monoxide detector;
 - Have battery back-up power;
 - Meet ANSI/UL 2034 Standards and comply with NFPA 720; and
 - Have been approved and listed by a Nationally Recognized Testing Laboratory as recognized under 527 CMR.
 - C. A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer's instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.
 - D. A metal or plastic identification plate shall be mounted at the exterior of the building, four feet directly above the location of vent terminal. The plate shall be of sufficient size to be easily read from a distance of eight feet away, and read "Gas Vent Directly Below".
2. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment where the bottom of the vent terminal and the air intake is installed above four feet above grade the following requirements must be satisfied:
 - A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
 - B. A carbon monoxide detector shall:
 - Be located in the room that houses the appliance or equipment;
 - Be either hard-wired or battery powered or both; and
 - Shall comply with NFPA 720.

A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used.

Installation shall be in strict compliance with the manufacturer instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

For the state of Massachusetts a **T-handle gas shut-off valve** must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.

Carbon Monoxide (CO) Detector

NOTE: It is recommended that a Carbon Monoxide (CO) Detector be installed in or near bedrooms and on all levels of your home. Place a detector about 15ft [4.5m] outside the room that houses your gas appliance.

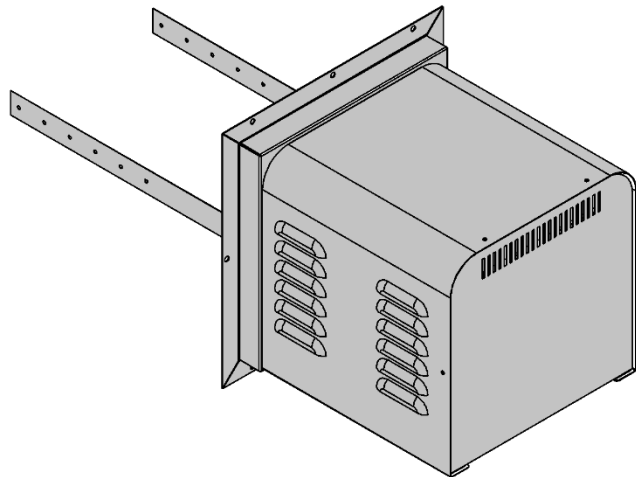
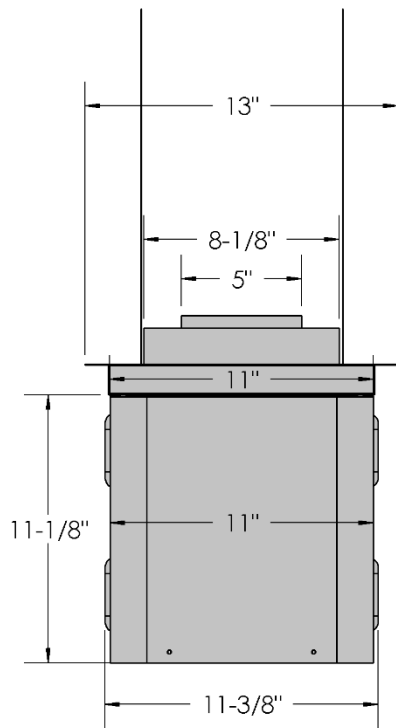
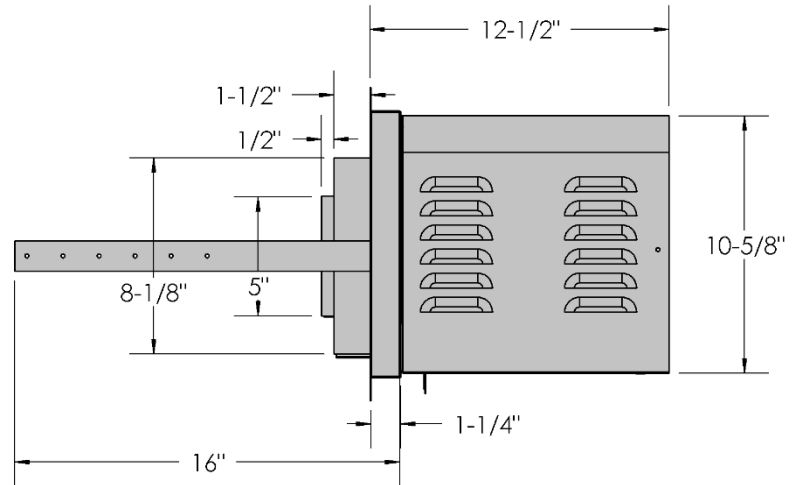
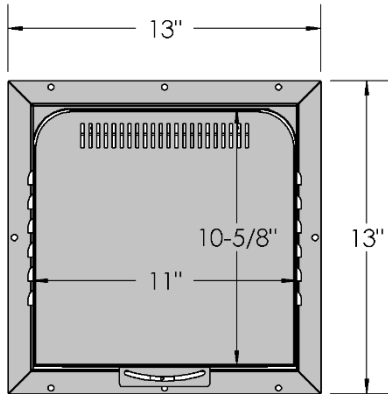
Certified for installation in a bedroom or bed/sitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.



WARNING

This product and the fuels used to operate this product (liquid propane or natural gas), and the products of combustion of such fuels, can expose you to chemicals including benzene, which is known to the State of California to cause cancer and reproductive harm. For more information go to: www.P65Warnings.ca.gov.

PVH58 Dimensions



Either Hard Pipe or Flex Pipe can be used, along with the appropriate adapter kits.

The Following Steps Are Required To Install The PVH58 Horizontal Power Vent:

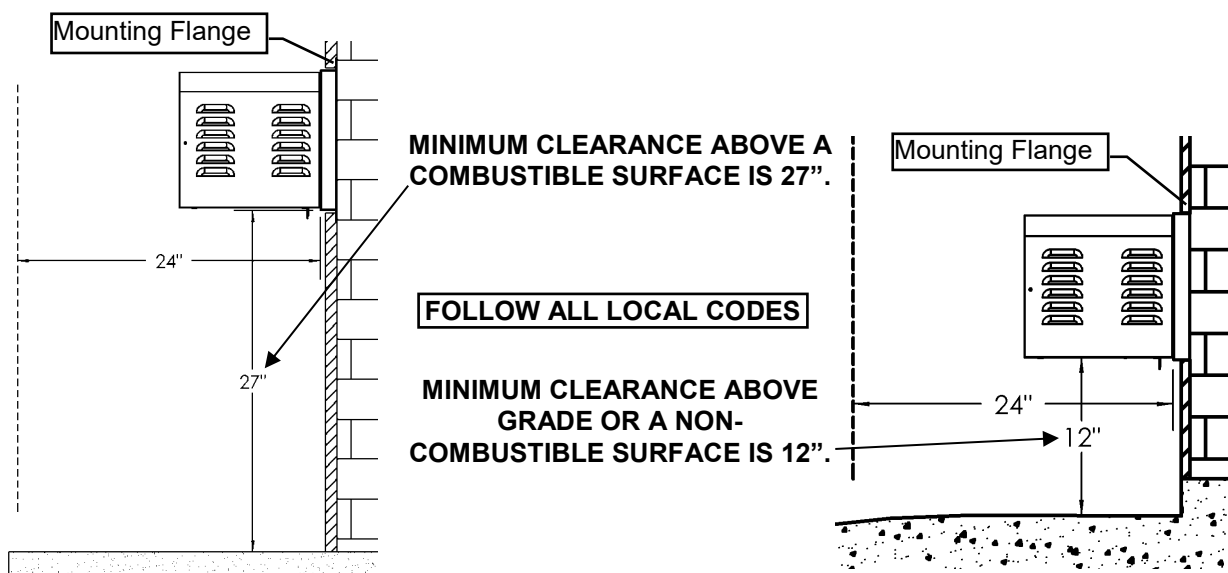
- Install fireplace as per manual instructions.
- Choose suitable location for Power Vent Termination. Refer to **Termination Installation** and **Venting Clearances** sections of this manual.
- Determine venting configuration to be used (i.e. hard pipe or flex, and routing). Install venting with appropriate adapter kits. See **PVH58 Venting – Choose Hard Pipe or Flex**, and **PVH58 Venting Configurations** sections of this manual.
- Install PVH58 Wall Thimble if mounting in a combustible wall. Refer to **PVH58 Wall Thimble Installation** section.
- Install Power Vent (refer to **Power Vent Mounting** section) and venting.
- Install Power Vent Control Module in fireplace. Refer to **Power Vent Control Module Installation**.
- Electrical connections (**PVH58 Wiring Harness Connections** and **Millivolt / IPI System Connections** sections).
- **Air Intake Adjustment & Troubleshooting** (refer to these sections).

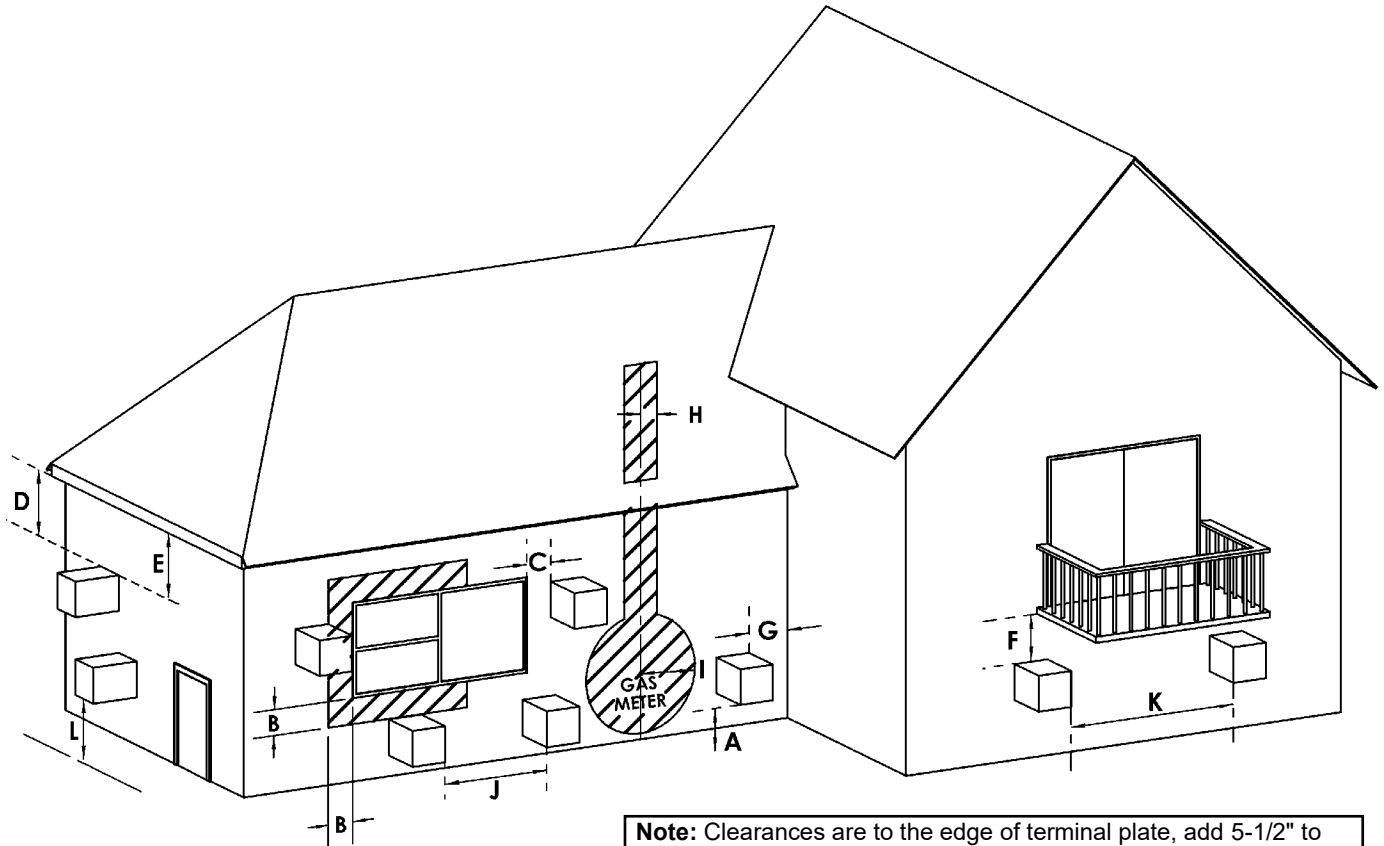
PVH58

Termination Installation

Termination Clearances

It is imperative that the vent termination be located observing the minimum clearances as shown. There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within **24"** from the front of the termination plate. Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area. Venting terminal shall not be recessed into a wall or siding, except for mounting flange. **ALSO REFER TO PVH58 VENTING CLEARANCES SECTION.**





Note: Clearances are to the edge of terminal plate, add 5-1/2" to clearances to arrive at center line.
Note: Local Codes or Regulations may require different clearances.

- A. Clearance above a veranda, porch, deck, or balcony or other combustible surface is 27". Clearance above grade is 12in [30cm] min.^[1,2]
- B. Clearance to window or door that may be opened. 12in [30cm] min. for appliances 100,000 BTU_h [30kW] and lower, in Canada. 9in_[2] [23cm] for appliances 50,000 BTU_h and lower, in USA.
- C. Clearance to permanently closed window min. 12in [30cm] recommended to prevent condensation on window, in Canada. 9in_[2] [23cm] for appliances 50,000 BTU_h and lower, in USA.
- D. Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2ft [60cm] from the center line of the termination. 18in [46cm] min.^[4]
- E. Clearance to unventilated soffit 12in [30cm] min.
- F. Clearance under veranda, porch, deck or balcony 12in [30cm] min.^[3] (US^[4])
- G. Clearance from a perpendicular inside wall or outer corner to the edge of the vent terminal plate is 3in [7.6cm] min.
- H. Clearance to each side of center line extended above meter/regulator assembly 3ft [91cm] within a height 15ft [4.5m] above the meter/regulator assembly.
- I. Clearance to service regulator vent outlet 3ft [91cm] min.^[1] (US^[4])
- J. Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance: In Canada, 6in [15cm] for appliances ≤10,000 BTU_h [3kW], 12in_[1] [30cm] minimum for BTU_h [30kW], 36in [91cm] for appliances >100,000 BTU_h [30kW]. In the USA, 6in_[2] [15cm] for appliances ≤10,000 BTU_h [3kW], 9in [23cm] for appliances >10,000 BTU_h [3kW] and ≤50,000 BTU_h [15kW], 12in [30cm] for appliances >50,000 BTU_h [15kW].
- K. Clearance to a mechanical air supply inlet 6ft [1.8m] min.^[1] in Canada. In USA, 3ft [91cm] above if within 10ft_[2] [3m] horizontally.
- L. Clearance above paved sidewalk or a paved driveway located on public property 7ft [2.1m] min.^[5]
- M. Clearance above highest point of exit on roof 18in [45cm].
- N. A moisture-exhaust duct shall not terminate within 3 ft (1 m) in any direction of a service regulator or fresh-air intake.
 - 1. In accordance with the current CSA B149.1, Natural Gas and Propane Code.
 - 2. In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code.
 - 3. Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.
 - 4. Clearance in accordance with local installation codes and the requirements of the gas supplier.
 - 5. A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

PVH58 Venting Configurations

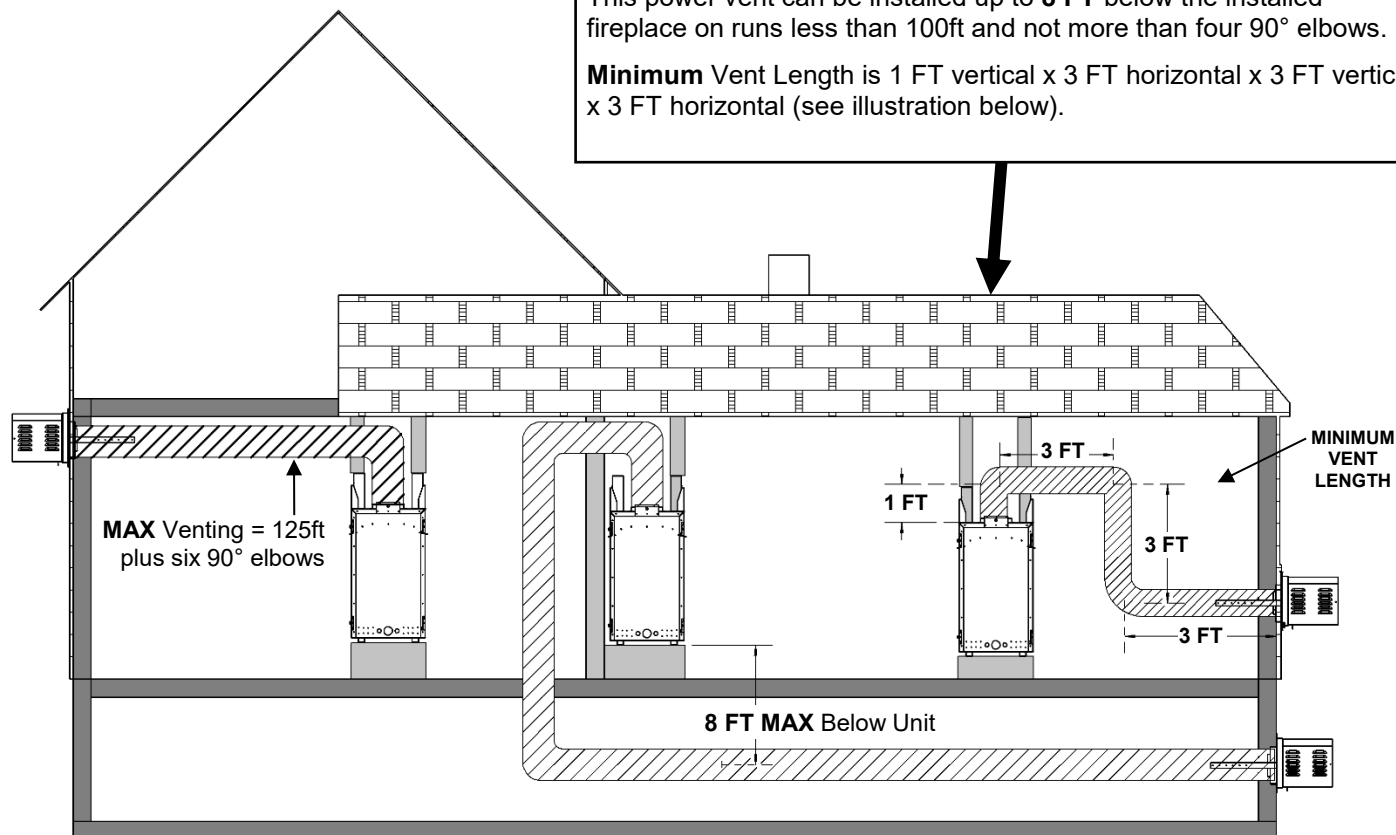
Refer to **Air Intake Adjustment** section of this manual to adjust Air Intake Shutter.

PVH58 Maximum / Minimum Vent Lengths:

Maximum Vent Length is 125 ft plus six 90° elbows with Air Intake Shutter fully closed. Termination must not be below unit.

This power vent can be installed up to **8 FT** below the installed fireplace on runs less than 100ft and not more than four 90° elbows.

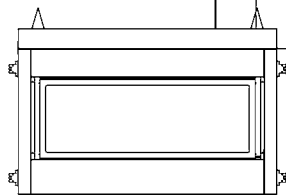
Minimum Vent Length is 1 FT vertical x 3 FT horizontal x 3 FT vertical x 3 FT horizontal (see illustration below).



Refer to fireplace manual for proper installation of your fireplace.

Minimum clearance to combustibles on venting is as stated in manual, except after 30 ft. of venting where clearances can be reduced to 1" clearance from combustibles.

Seven 90° elbows are possible if the total horizontal is not more than 25ft and the vertical does not exceed 15ft.



NOTE: MODELS EQUIPPED WITH MILLIVOLT/ STANDING PILOT IGNITION:

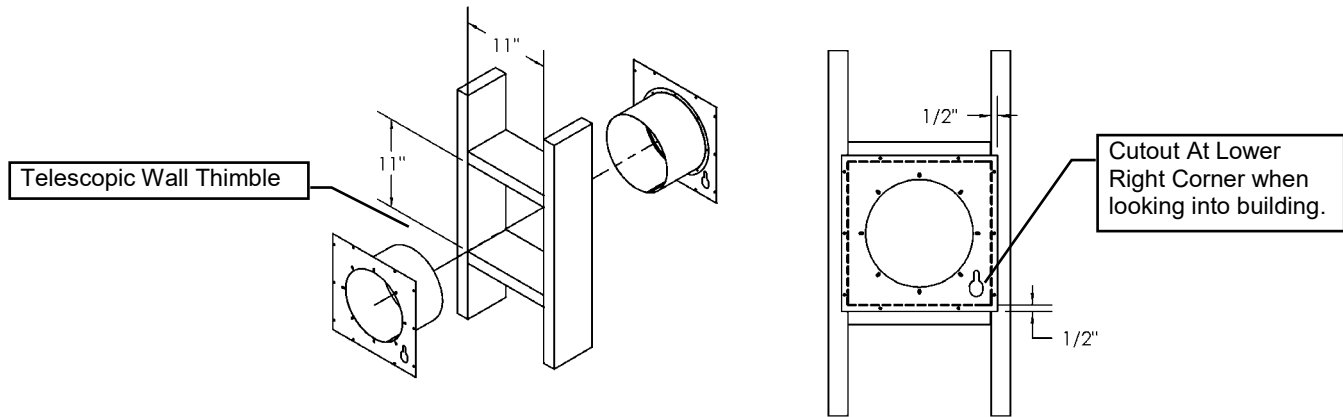
Downward vertical vent runs are NOT permitted.

NOTE: MODELS EQUIPPED WITH INTERMITTENT PILOT IGNITION:

Downward vertical vent runs are permitted, however, Cold Climate Switch (Standing Pilot Mode) must not be used.

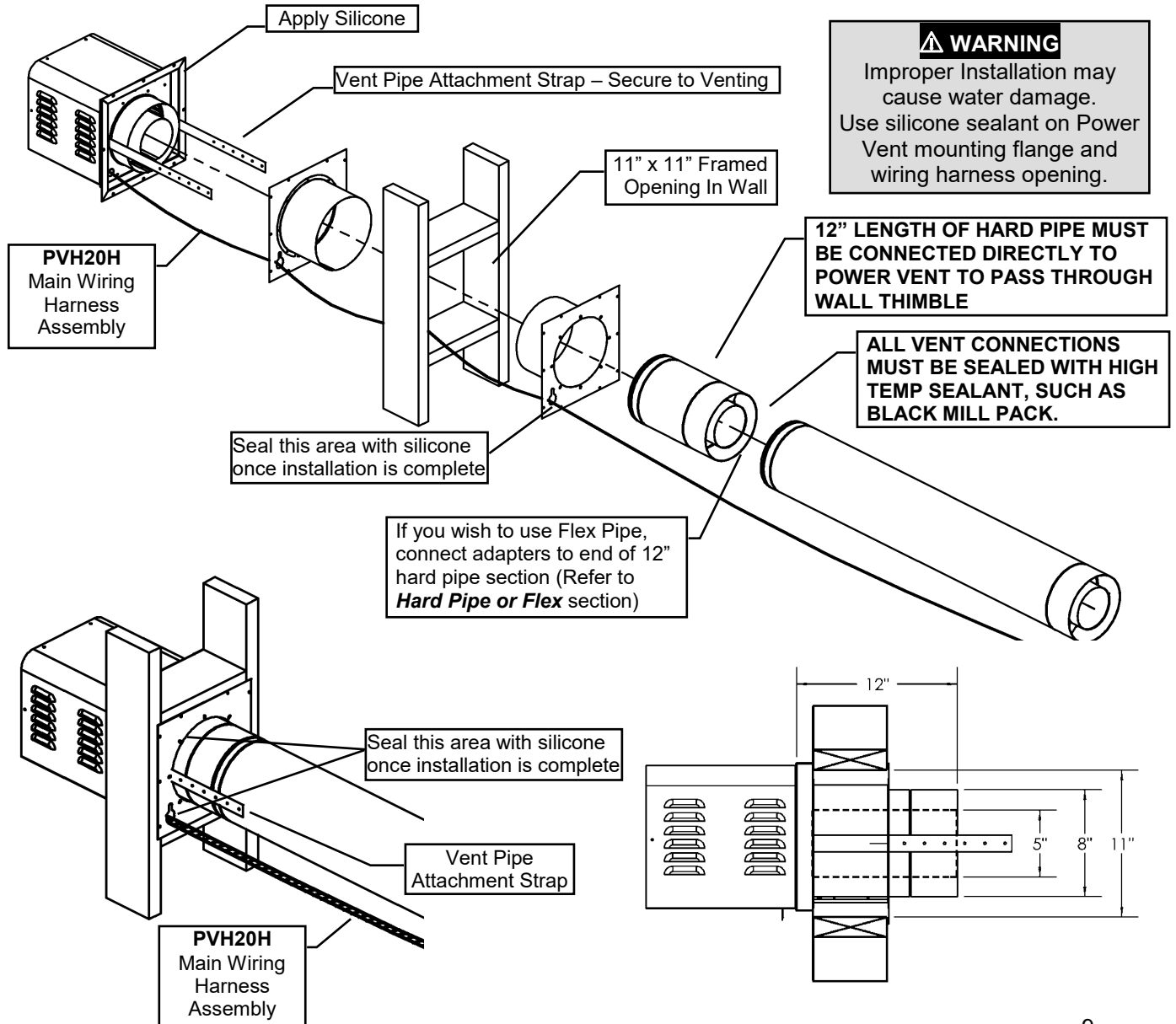
PVH58 WALL THIMBLE INSTALLATION

An 11 inch square opening is required. Center Wall Thimble over the 11 inch square opening and secure both pieces on either sides of the wall. Ensure that cutout is at the lower right corner, as electrical conduit must pass through this area.



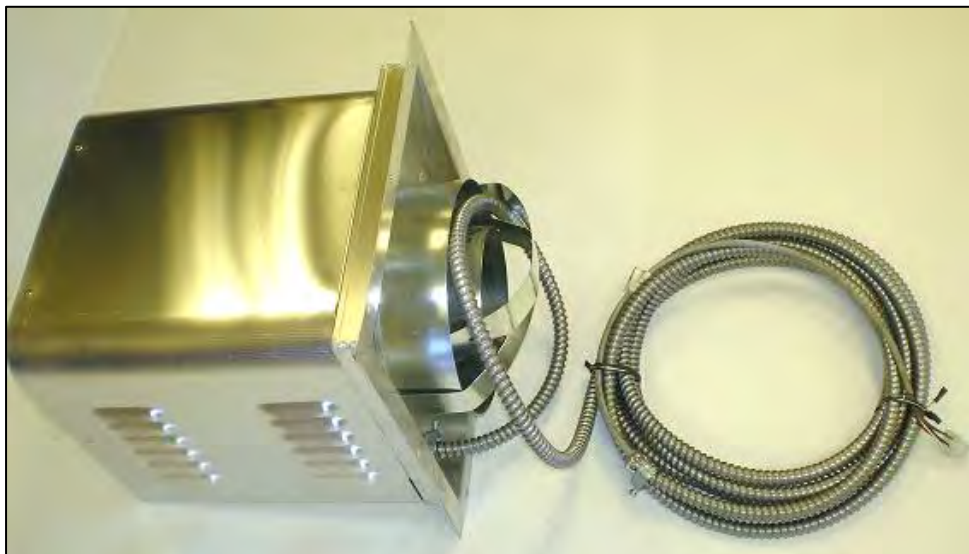
PVH58 POWER VENT MOUNTING

Route wiring harness through wall thimble. Mount Power Vent unit onto building. Use silicone around Power Vent mounting flange to provide waterproof seal. Secure venting to Power Vent by driving screws through Vent Pipe Attachment Straps. **All vent connections must be sealed with high temp sealant, such as Black Mill Pack.**



PVH20H – Main Wiring Harness Extension

This Harness can be used on both the main power vent assembly and the Double Pole Switch assembly if more length is required. These harnesses are male to female, and can be connected together.

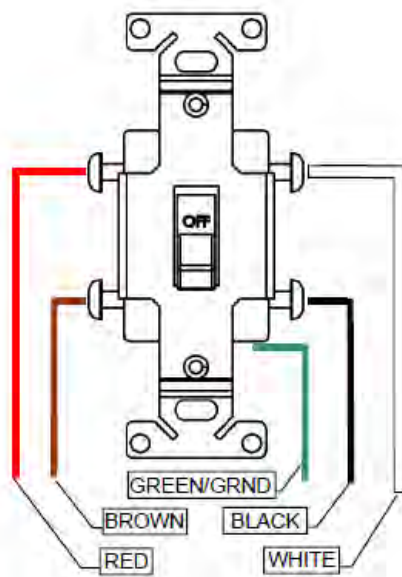


The PVH58 comes supplied with a 20 foot wiring harness. If required, more harnesses can be ordered (PVH20H). Route wiring harness through wall thimble as shown in **Power Vent Mounting** section.



Strain Relief: If extension harnesses are used, connect them using a junction box, as shown. This will provide strain relief and ensure that the connection does not come apart.

58PVH-P124 Double Pole Switch –Millivolt Systems Only



10ft Double Pole Switch Wiring Harness for Millivolt Systems. Harness is connected to Double Pole Switch as Shown. A 20ft extension harness can be ordered (PVH20H).

PVH58

Millivolt System Connections

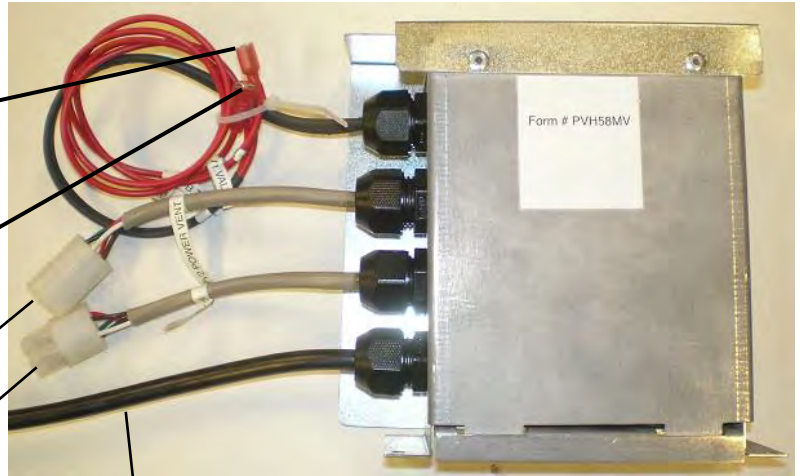


Connect PV1A & PV1B to TH and TH / TP Tabs on Valve

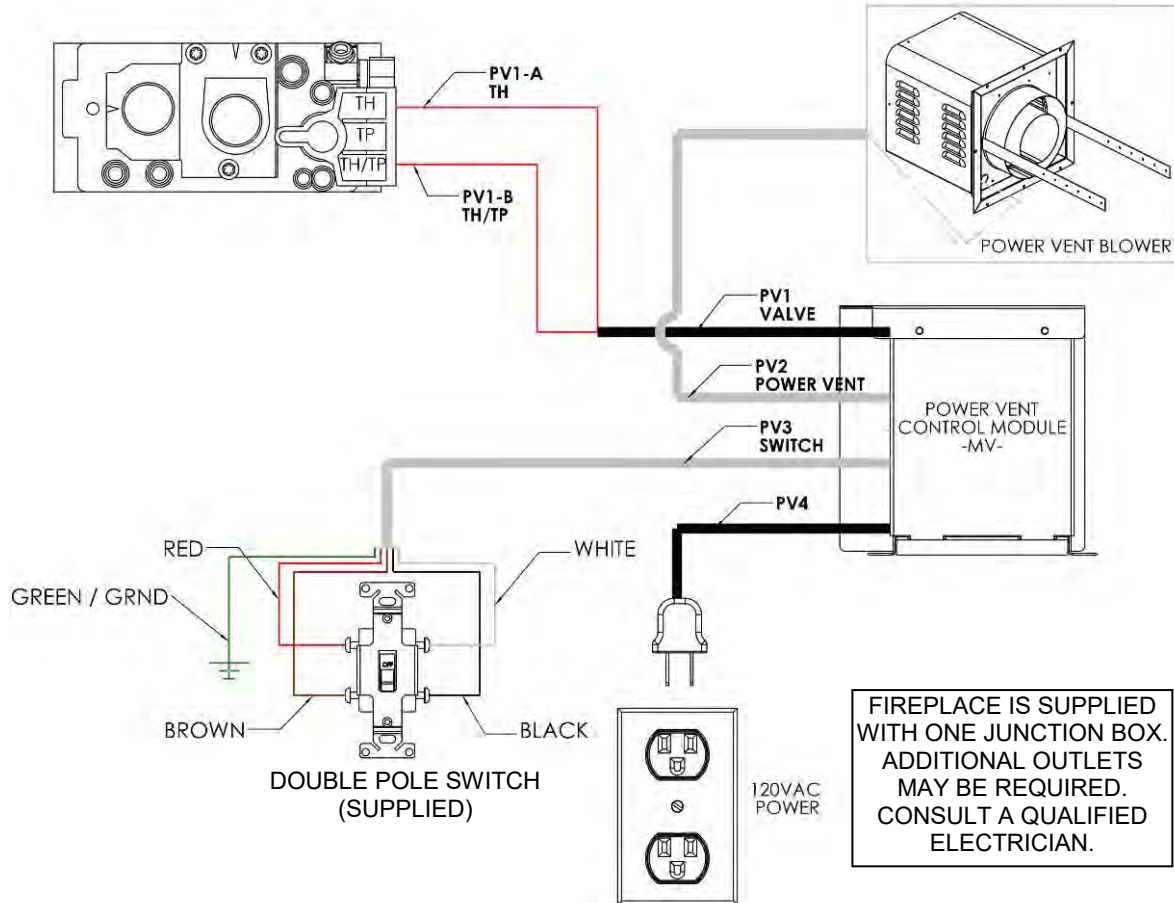
Connect PV2 to Power Vent Cable

Connect PV3 to Double Pole Switch Cable

Plug PV4 into 120v AC Outlet



MILLIVOLT POWER VENT CONTROL MODULE

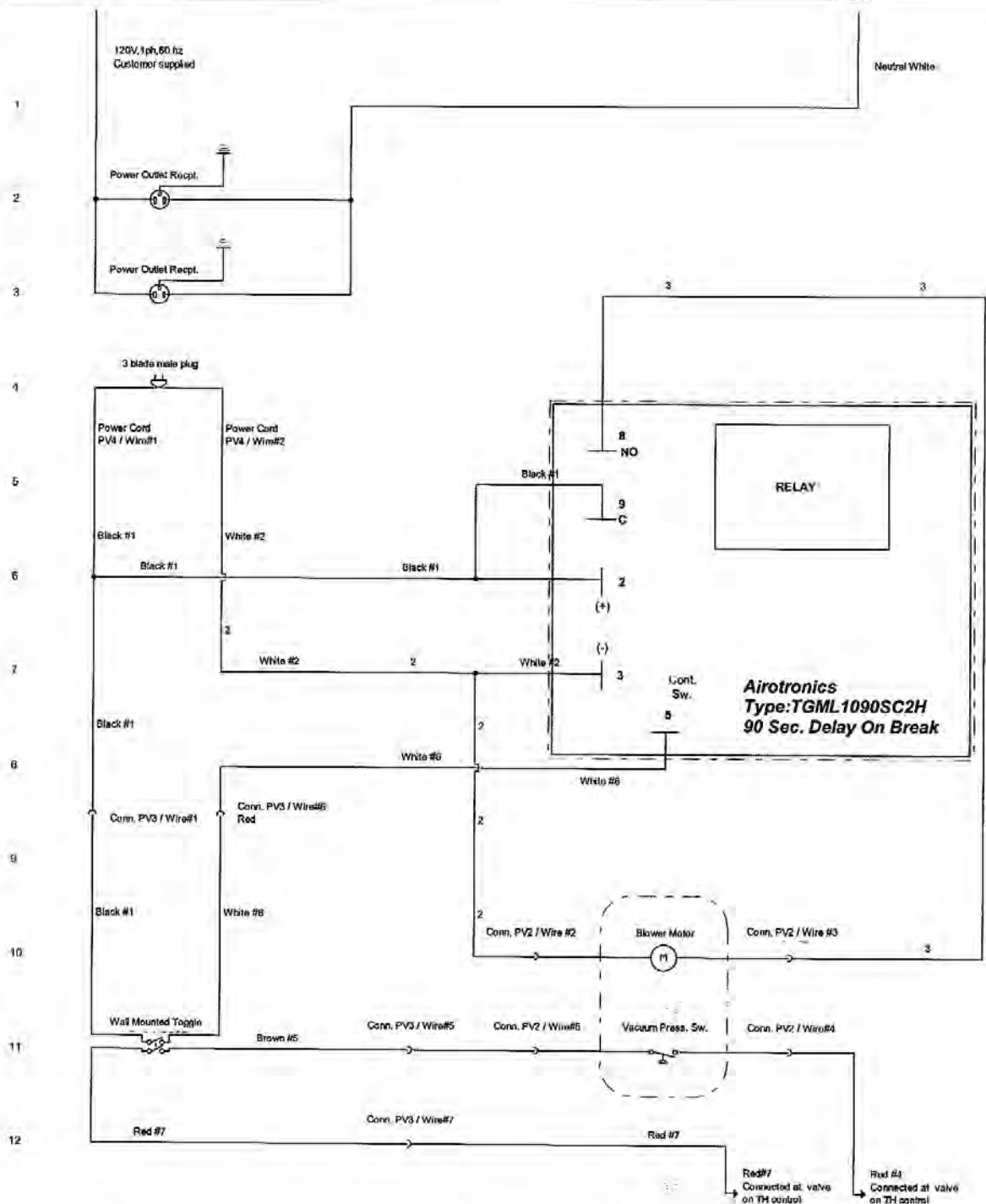


THERMOSTATS AND REMOTE CONTROLS ARE NOT AVAILABLE FOR MILLIVOLT SYSTEMS.

SWITCH MUST BE "ON" AND POWER VENT BLOWER MUST BE RUNNING FOR APPLIANCE TO OPERATE.

NOTE: MODELS EQUIPPED WITH MILLIVOLT/ STANDING PILOT IGNITION:
Downward vertical vent runs are NOT permitted.

PVCM Schematic - Millivolt



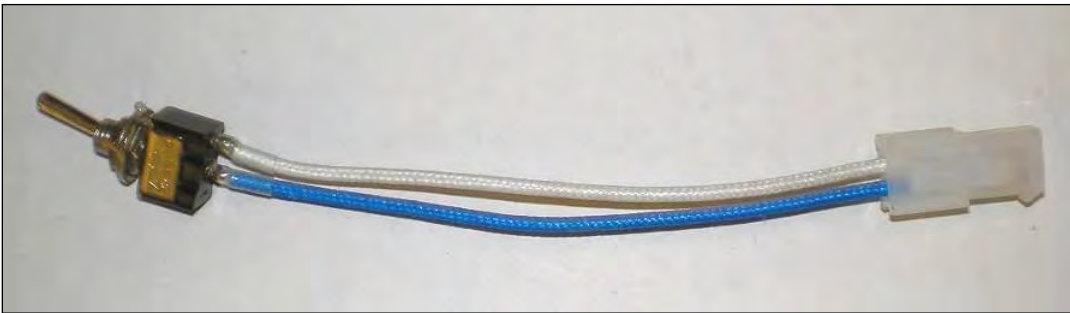
If any of the original wire as supplied with the appliance must be replaced, it must be replaced with type 18 AWG, 105 C, Deca Cables p/n 74-623 or its equivalent.

REVISIONS		DATE		Kingsman Fireplaces 2340 Logan Avenue Winnipeg, Manitoba	TITLE:	Airotionics Millivolt Power Vent Control Module	
1)				NOTICE: This drawing in design and detail is the property of Kingsman and is loaned subject to return demand and under the express condition it must not be copied or used except by permission.	DRAWING NO:	Electrical Schematic	
2)					DRAWN BY:	C. Simard	
3)					Scale:	Date: 8/15/2012	Page 1 of 1
4)							
5)							

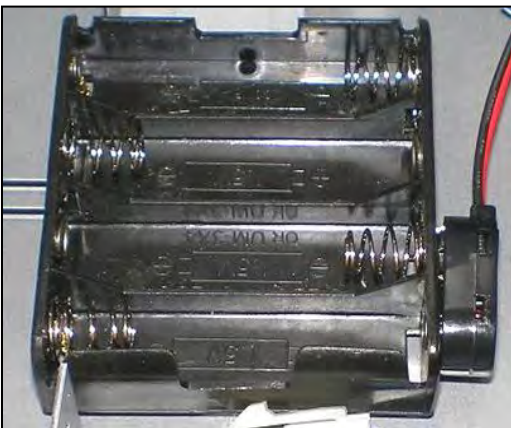
⚠ NOTE: MODELS EQUIPPED WITH INTERMITTENT PILOT IGNITION:

Cold Climate Switch Must Be Disconnected From IPI Wiring Harness. Remove Batteries From Battery Backup.

Downward vertical vent runs are permitted, however, Cold Climate Switch (Standing Pilot Mode) must not be used.



Unplug and remove Cold Climate Switch from IPI Wiring Harness.

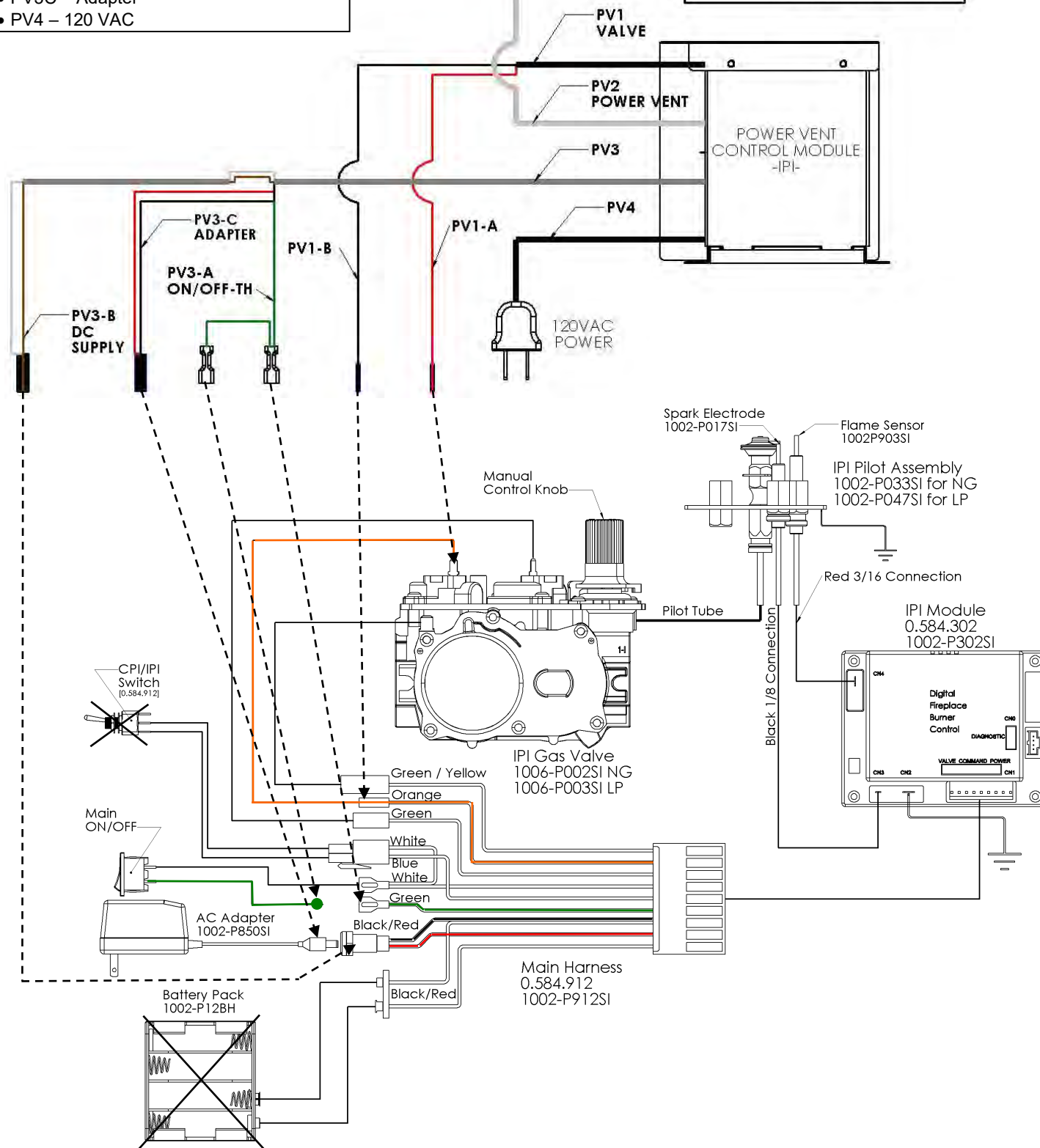
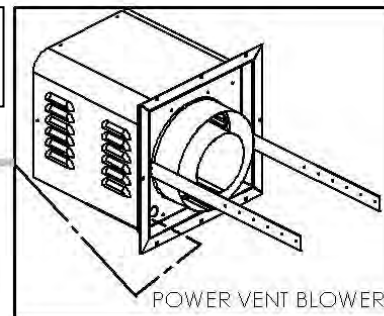


Remove Batteries and / or Battery Backup from IPI System.

RECOMMENDED METHOD OF CONNECTION:

First ensure the entire IPI system is working properly without connecting any Power Vent components. Then connect the Power Vent Control Module.

- PV1A – Valve
- PV1B – Orange Wire on 912 Harness
- PV2 – Power Vent
- PV3A – Green Wire on 912 Harness
-On/Off Switch
- PV3B – Black / Red Wires on 912 Harness
- PV3C – Adapter
- PV4 – 120 VAC

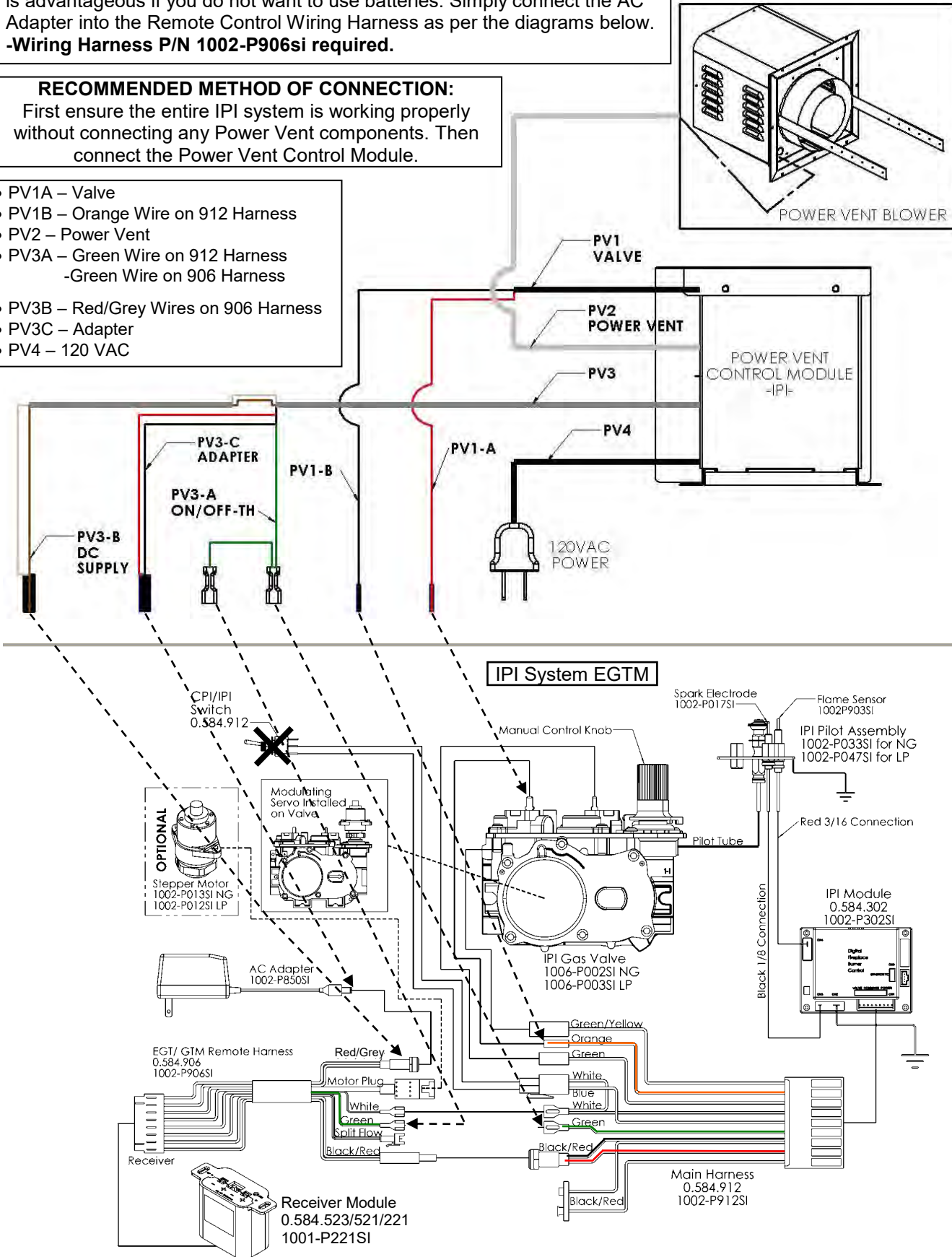


The Remote Receiver & IPI system can be powered by the AC Adapter. This is advantageous if you do not want to use batteries. Simply connect the AC Adapter into the Remote Control Wiring Harness as per the diagrams below.
-Wiring Harness P/N 1002-P906SI required.

RECOMMENDED METHOD OF CONNECTION:

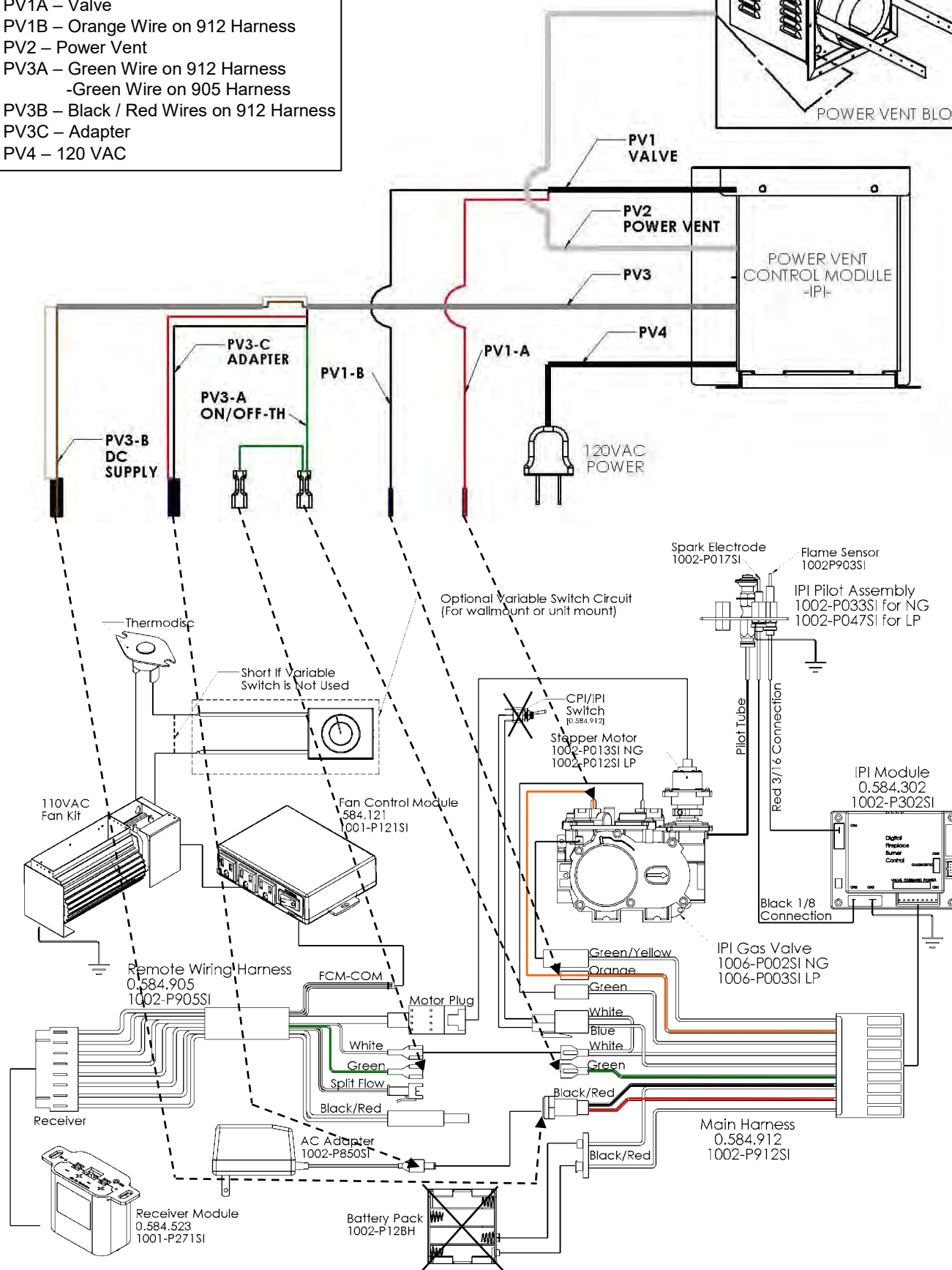
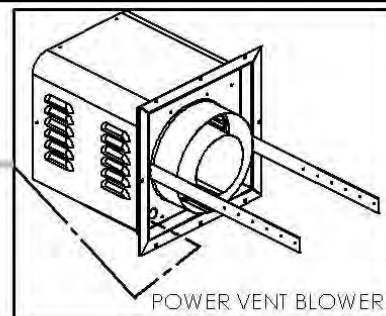
First ensure the entire IPI system is working properly without connecting any Power Vent components. Then connect the Power Vent Control Module.

- PV1A – Valve
- PV1B – Orange Wire on 912 Harness
- PV2 – Power Vent
- PV3A – Green Wire on 912 Harness
-Green Wire on 906 Harness
- PV3B – Red/Grey Wires on 906 Harness
- PV3C – Adapter
- PV4 – 120 VAC

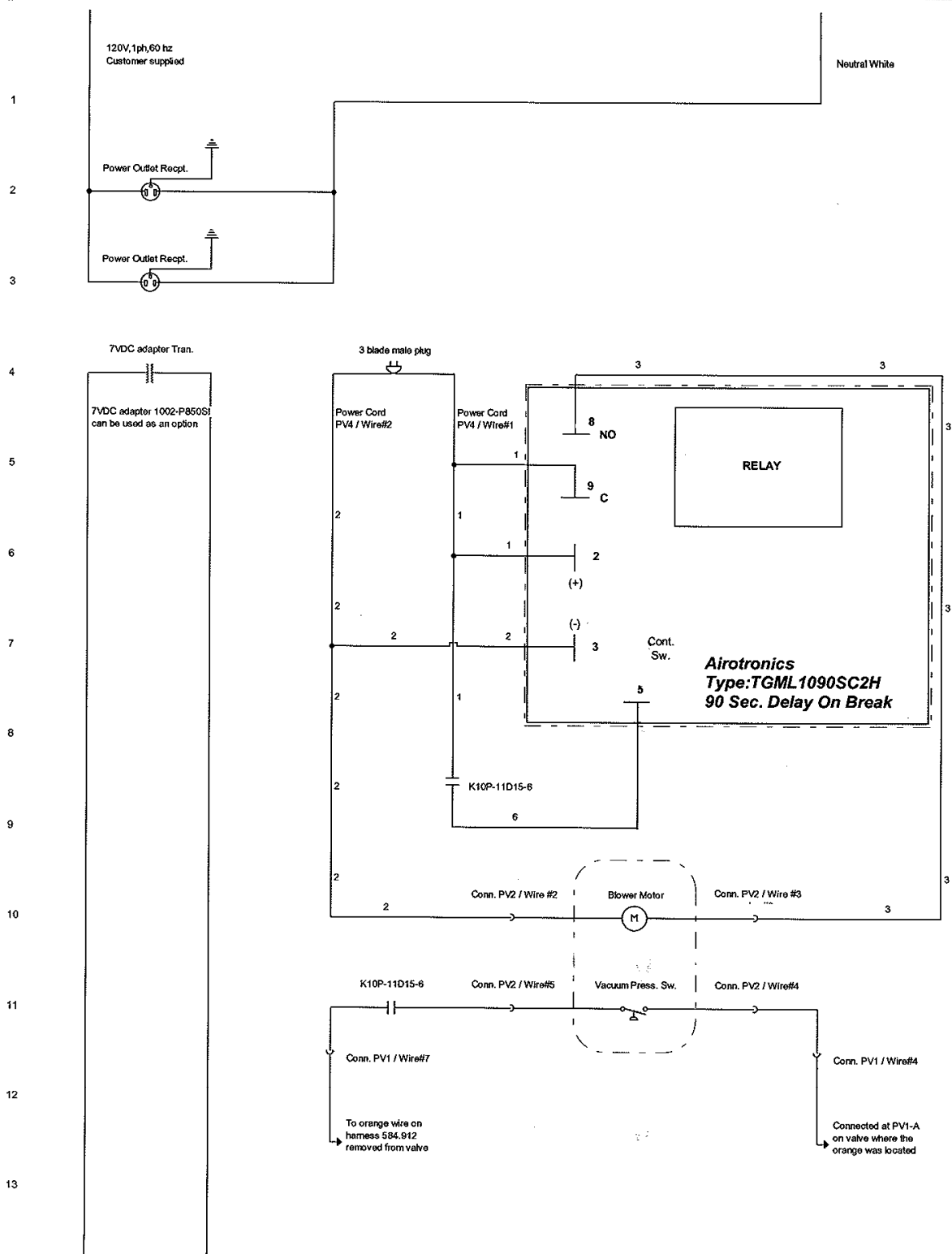


First ensure the entire IPI system is working properly without connecting any Power Vent components. Then connect the Power Vent Control Module.

- PV1A – Valve
- PV1B – Orange Wire on 912 Harness
- PV2 – Power Vent
- PV3A – Green Wire on 912 Harness
-Green Wire on 905 Harness
- PV3B – Black / Red Wires on 912 Harness
- PV3C – Adapter
- PV4 – 120 VAC

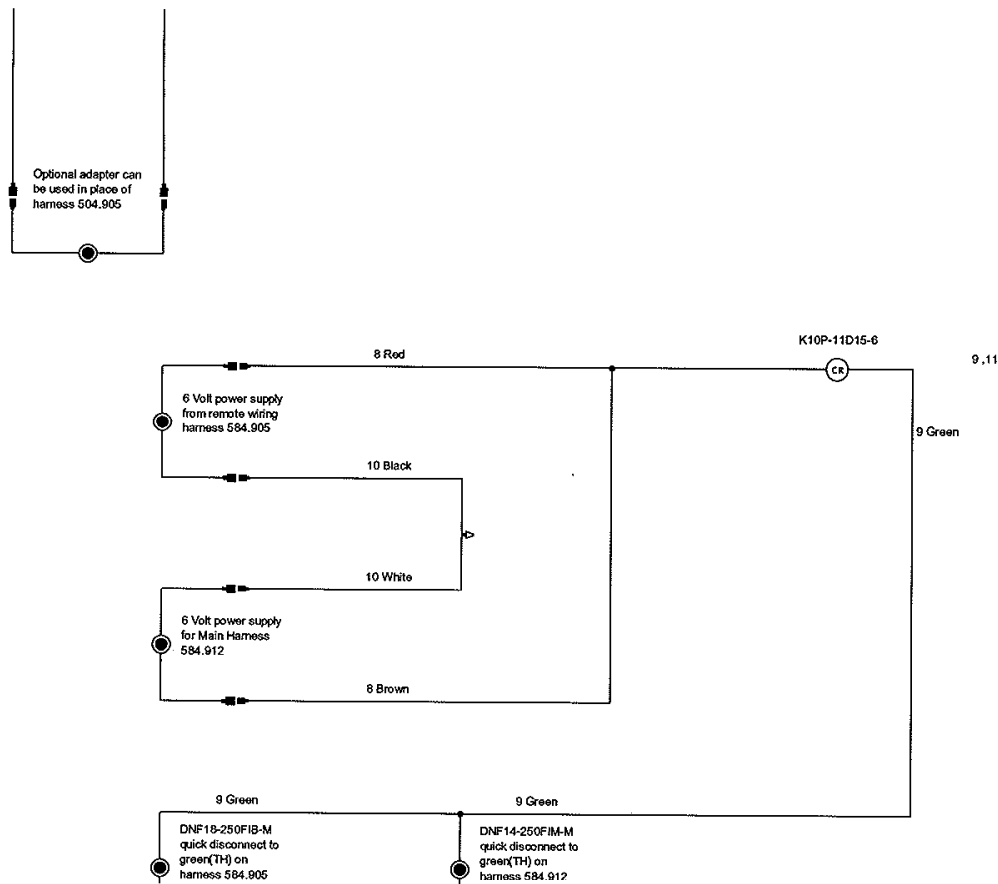


PVCM Schematic - IPI



REVISIONS		DATE	Kingsman Fireplaces 2340 Logan Avenue Winnipeg, Manitoba	TITLE: DRAWN FOR: DRAWING NO: DRAWN BY: Scale:	Airotronics IPI Power Vent Control Module Electrical Schematic C. Simard Date: 8/15/2012 Page 1 of 2
1)			NOTICE: This drawing in design and detail is the property of Kingsman and is loaned subject to return demand and under the express condition it must not be copied or used except by permission.		
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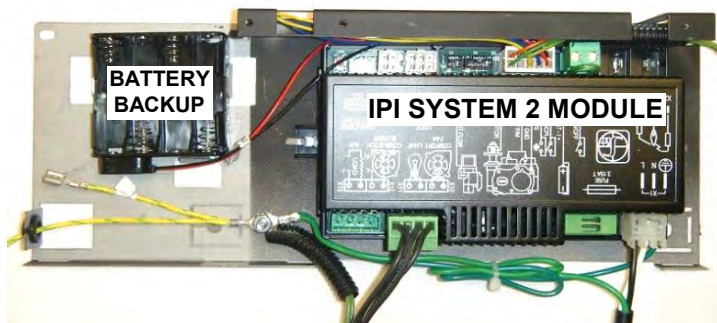


If any of the original wire as supplied with the appliance must be replaced, it must be replaced with type 18 AWG, 105 C, Deca Cables p/n 74-623 or its equivalent.

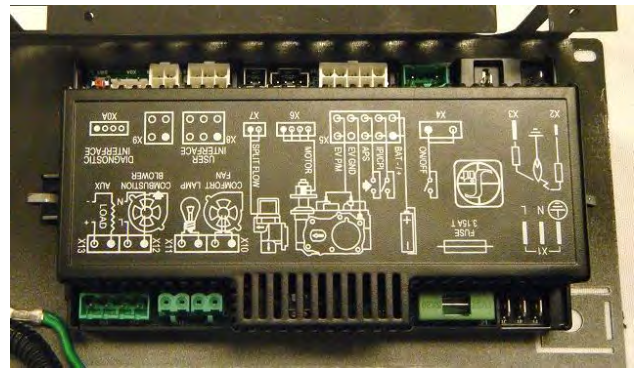
REVISIONS		DATE	Kingsman Fireplaces 2340 Logan Avenue Winnipeg, Manitoba	NOTICE: This drawing in design and detail is the property of Kingsman and is loaned subject to return demand and under the express condition it must not be copied or used except by permission.	TITLE: Airotronics IPI Power Vent		
1)					DRAWN FOR: Control Module		
2)					DRAWING NO: Electrical Schematic		
3)					DRAWN BY: C. Simard		
4)					Scale:		
5)					Date: 8/15/2012 Page 2 of 2		

PVC58IPI Power Vent Control Module is NOT REQUIRED for Proflame 2 systems.

584-X12 Wiring Harness is required.

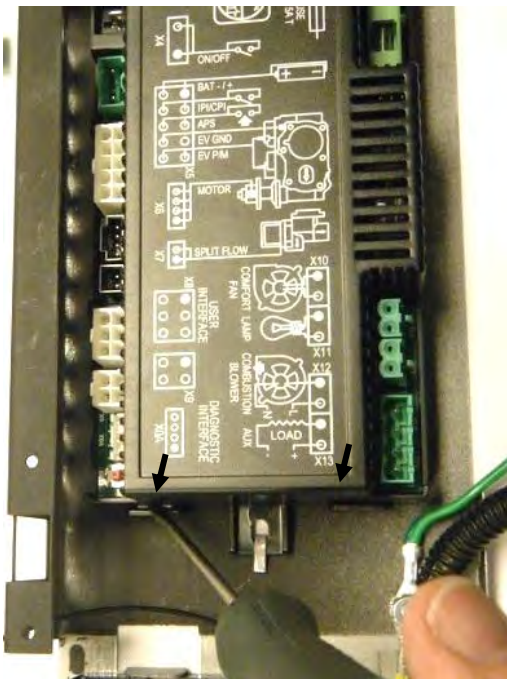


Step One: Remove **Proflame System 2 Box** from fireplace. Unscrew and remove cover.

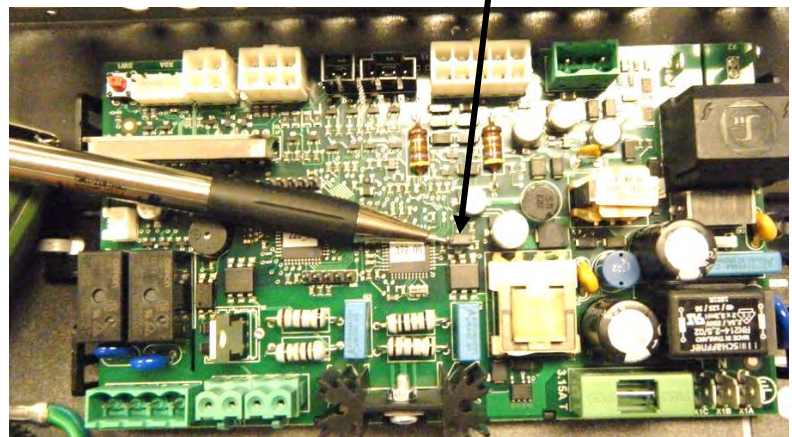


Step 2: Disconnect all wiring harnesses from **IPI System 2 Module**. (NOTE: each harness connection will only fit into its designated socket when replacing connections).

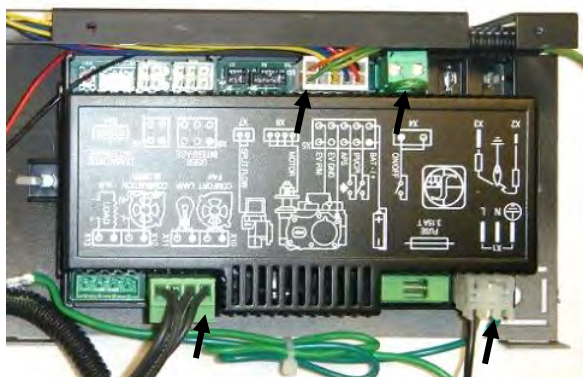
Step 3: Using a small flat screwdriver, pry top cover off of **IPI System 2 Control Module**.



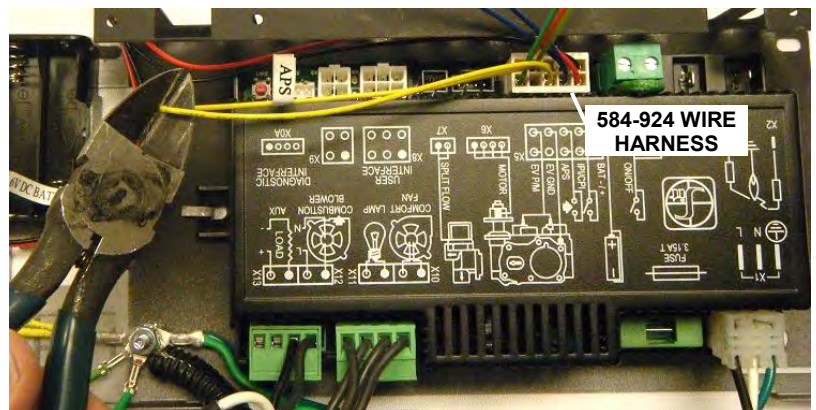
Step 4: Remove Jumper from circuit board as shown.



Step 5: Replace **IPI System 2 Module Cover** and all harness connections (NOTE: each harness connection will only fit into its designated socket when replacing connections).

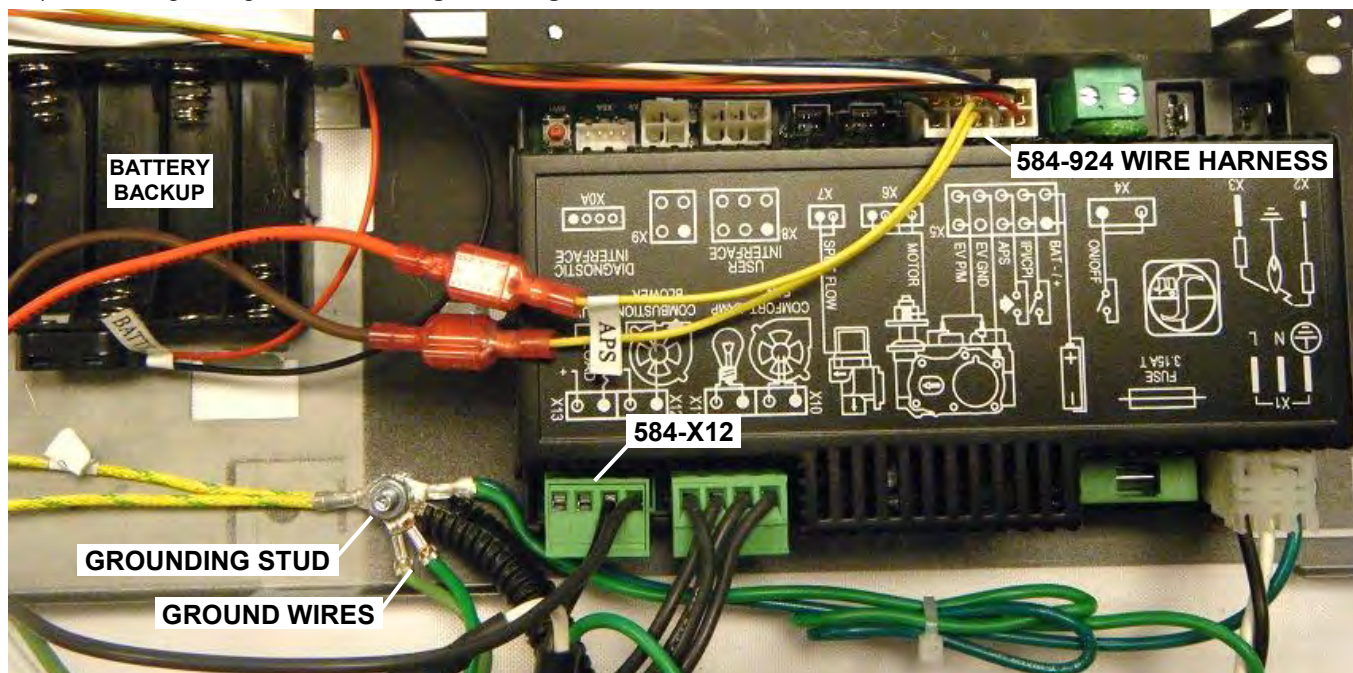


Step 6: Wire Harness 584-924 (Connected to Valve and battery backup) has a **yellow wire loop marked APS**. Cut this wire and **install wire connectors** supplied with 584-X12 wire harness.

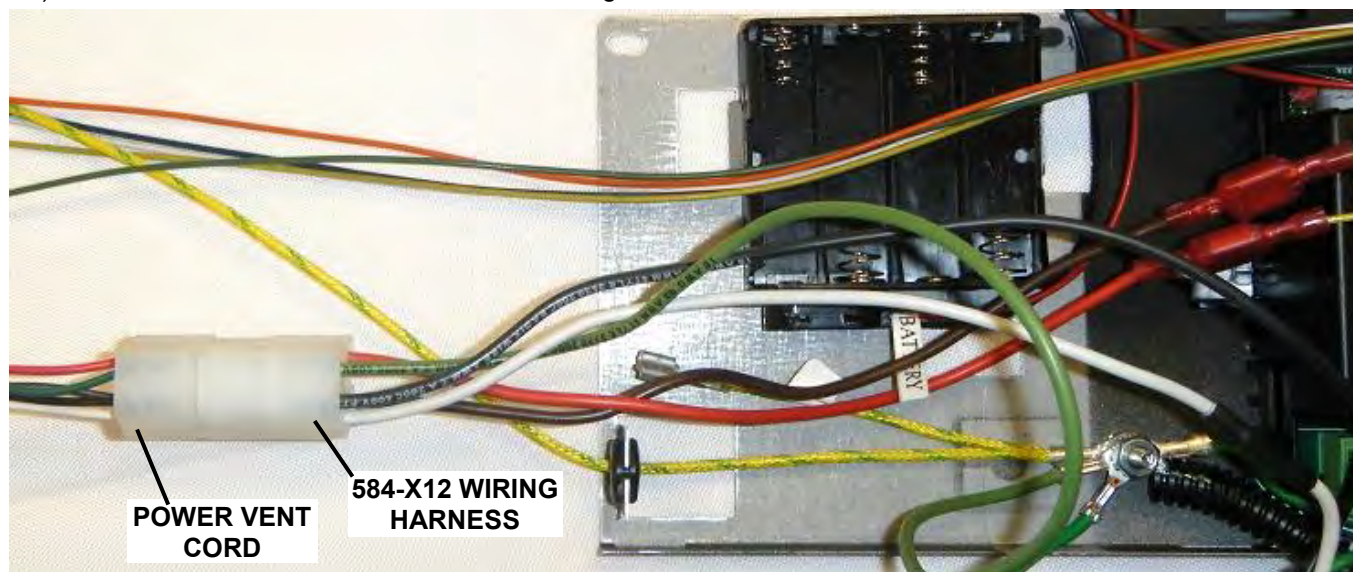


Step 7:

- a) Connect **584-X12 Wiring Harness** to socket shown on IPI System 2 Module.
- b) Connect brown and red wires on 584-X12 Wiring Harness to yellow APS Wires on **584-924 Wire Harness** (Connected to Valve and battery backup).
- c) Secure green ground wires to **grounding stud**.



- d) Connect **Power Vent Cord** to 584-X12 Wiring Harness.



Step 8: Replace Proflame System 2 Box Cover and replace Proflame System 2 Box into fireplace.

NOTE: Power Vent System is fully integrated with fireplace. No user input is required to activate Power Vent when using with Proflame System 2 IPI.

PVH58 Air Intake Adjustment

The PVH58 is shipped with the air intake adjustment fully closed. This will produce maximum draw at the fireplace. Longer runs require more draw, while shorter runs require less.

If flame pattern is slow and lazy, and sooting is occurring, more draw is required.

If flame pattern is running too fast, less draw is required.

Flame pattern should appear similar to below:

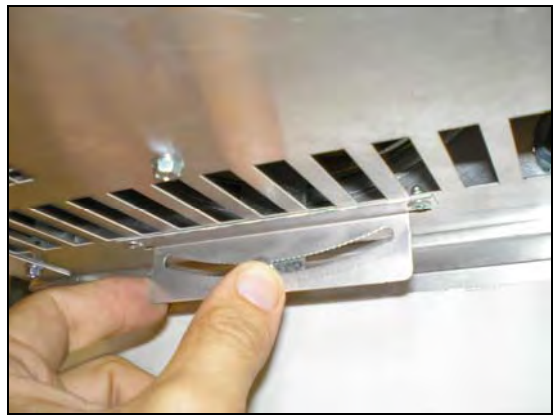


-AIR INTAKE ADJUSTMENT-

If air intake adjustment is required, loosen screw at bottom of Power Vent as shown. Move adjuster slightly while having a helper watch the flame pattern. Once the desired draw has been set, re-tighten adjuster screw.



Loosen screw at bottom of Power Vent



Move adjuster while having a helper watch the flame pattern.



Once the desired draw has been set, re-tighten adjuster screw.



Air Intake has been set.

PVH58**Troubleshooting**

NOTE: Before connecting Power Vent Control Module, ensure that all other systems and accessories (Remote Control, Fan, Lights, etc.) are connected and working properly.

PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
Power Vent Blower will not come on.	No power is supplied to module.	Plug PVCM into 120VAC Source
	Wires are unplugged.	Check connections.
Power Vent Blower runs constantly	Wiring connected improperly	Check connections with wiring diagram. For IPI, ensure that wire PV3-A is plugged into the green wire on the 912 or 905 harness, and not the white.
Main Burner will not come on.	Vacuum switch is not closed.	Check / replace vacuum hose. Check / replace vacuum switch.
Main Burner Flame is lazy, sooting is occurring.	Air Intake Requires Adjustment	See Air Intake Adjustment Section
	Leaking Exhaust Vent	Check Installation
Main Burner Flame is running very fast	Air Intake Requires Adjustment	See Air Intake Adjustment Section

WARNING

BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT. BEFORE TROUBLESHOOTING THE GAS CONTROL SYSTEM, BE SURE EXTERNAL GAS SHUT OFF IS IN THE "ON" POSITION.

WARNING

ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RUN OUT WITH THE GLASS DOOR OPENED OR REMOVED. PURGE SHOULD BE PERFORMED BY A QUALIFIED SERVICE TECHNICIAN. ASSURE THAT A CONTINUOUS GAS FLOW IS AT THE BURNER BEFORE CLOSING THE DOOR. ENSURE ADEQUATE VENTILATION.

WARNING

A qualified electrician must connect electrical wiring to junction outlet for built-in installation.

Follow all codes.

WARNING

Electrical Grounding Instructions – This appliance is equipped with a three – pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle.

WARNING

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

 **Caution:** Electrical installation to be done by a qualified installer. All wires must be connected and grounded in accordance with CSA Standard C22.1- Canadian Electrical Code part 1 or with the National Electrical Code, ANSI /NFPA 70 (latest edition) and /or in accordance with local codes.

PVH58 Venting

- Choose Hard Pipe or Flex -

The PVH58 Power Vent is approved for use with 3/5", 4/6-5/8", 5/8" M&G-DuraVent-DirectVent Pro Direct Vent system (Model DV-GS Series), and AmeriVent Direct Vent Pipe System, ICC Excel Direct, Metal Fab Sure-Seal DV and Selkirk Direct Temp. Follow installation instructions provided by the appropriate manufacturer for installation of pipe, and adhere to the clearance to combustibles provided in this manual. Apply a bead of Mill Pac high temp sealant to all joints of pipes, adapters and termination as recommended. **WARNING:** DO NOT mix parts from different systems unless stated in the manual.

Flex Pipe Venting - Approved For 4/7", 5/7", 5/8", and 7/10"

Kingsman Flex (Z-Flex) Pipe

Kingsman Flex pipe is shipped in unexpanded length. When installing flex pipe be sure to stretch to the stated length, and cut off excess. **Be sure to use approved couplers and connectors to join flex pipe.**

Place the spring spaces provided approximately every two feet to stabilize inner flex in the center of the outer flex. When forming bends place spring in bend or before and after. Horizontal runs require support metal straps every 2 feet. In offset installation support straps should be used to stabilize pipe.

Expand inner and outer flex pipe to the point that the inner flex protrudes approximately 2 to 3 inches past the outer flex. Attach the inner flex to the adapter first and secure with sealant and screws then attach the outer flex to the adapter with caulking and screws. Silicone around termination to waterproof.

Use Hi Temp Sealant

Apply a bead of Millpac high temp sealant to all joints and use four screws to secure each pipe at fireplace, termination and any joint if joining any sections of pipe.

ONLY VENTING COMPONENTS SPECIFICALLY APPROVED AND LABELED FOR YOUR FIREPLACE MAY BE USED.

4/7 VENTING: Choose venting to be used: **Section 1** - Hard Pipe, **Section 2** - Flex Vent, **Section 3** - 3/5 Hard Pipe

SECTION 1 DIRECT VENT HARD PIPE 4x6-5/8" – for entire installation

(Two Adapters needed: one at Flue and one at Termination)

Flue of Fireplace
ZDVDF A Duravent Adapter – for Sloped Flue

ZDV DKA Duravent Adapter – for Flat Flue

Termination End
ZDV D I A Duravent Hard Pipe Adapter- (used to connect 4x6-5/8" to 5/8 Hard Pipe)

Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.

SECTION 2 FLEX VENT - Used for entire installation – order Z47PVA

Note: Must use a one-foot section of 5/8 DV hard pipe connected to the power vent on all installations.

Termination End
Z47PVA Flex Pipe Adapter Kit - (to adapt flex pipe to power vent to hard pipe)

Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.

SECTION 3 DIRECT VENT HARD PIPE 3/5" - for entire installation

(Three Adapters needed two at Flue and one at Termination)

Flue of Fireplace - Choose appropriate adapter for 4x6-5/8"

ZDVDF A Duravent Fireplace Adapter 4x6-5/8 - Sloped Flue

ZDV DKA Duravent Stove Adapter 4x6-5/8" - Flat (Serene 47)

Convert from 4x6-5/8" to 3/5" MG HP

PVA4635 Duravent Adapter- 4x6-5/8 TO 3/5 - FLUE

Convert to Termination - 3/5" to 5/8"

PVA3558 Duravent Adapter for Power Vent Termination - 3/5" to 5/8"

Note: Must use a one-foot section of 5/8 DV hard pipe to connect to the Power Vent Termination (not supplied)

5/7 VENTING: Choose venting to be used: **Section 1** - 5/8 Hard Pipe, **Section 2** - 4x6-5/8" Hard Pipe, **Section 3** - 3/5 Hard Pipe, **Section 4** - Flex Vent

SECTION 1 DIRECT VENT HARD PIPE 5/8 – Used for entire installation – Order Z57DFA

At Flue
Z57DFA Duravent Hard Pipe Adapter- (5/7" to 5/8" at flue of fireplace)

SECTION 2 DIRECT VENT HARD PIPE 4 x 6-5/8" Used for entire installation - Order Z57DFA, ZDVEDRA, ZDVEDIA

Z57DFA Duravent- Hard Pipe Adapter – 5/8" (at flue of fireplace)

ZDVEDRA Duravent REDUCER- 5/8" to 4x6-5/8" ADAPTER (used at flue of fireplace)

Termination End
ZDVEDIA Duravent Hard Pipe Adapter (used to connect 4x6-5/8" to 5/8 Hard Pipe)

Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.

SECTION 3 DV HARD PIPE 3/5" - Used for entire installation - Order Z57DFA, ZDVEDRA, ZDVEDIA

Z57DFA Duravent - Hard Pipe Adapter - 5/8" (at flue of fireplace)

PVA5835	Duravent Adapter- 5/8" To 3/5" (at flue of fireplace) Termination End
PVA3558	Duravent Adapter - 3/5" To 5/8" - (at Termination)
Note: Must use a one-foot section of 5/8 DV hard pipe to connect to the Power Vent Termination (not supplied)	
SECTION 4	FLEX VENT – Used for entire installation – order Z57PVA
Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.	
Z57PVA	Flex Pipe Adapter Kit - (to adapt flex 5/7" to power vent to hard pipe 5/8")

5/8 VENTING: Choose venting to be used: Section 1 - 5/8 Hard Pipe, Section 2 4x6-5/8" Hard Pipe, Section 3 - 3/5 Hard Pipe, Section 4 - Flex Vent	
SECTION 1	DIRECT VENT HARD PIPE 5/8"– Used for entire installation – Order Z58DFA
Z58DFA	Duravent Hard Pipe Adapter – 5/8" (Sloped Flue) Note: Only sloped flues require Z58DFA adapter.
SECTION 2	DIRECT VENT HARD PIPE 4 x 6-5/8"- Used for entire installation- Order ZDVDRA, ZDVDIA
Z58DFA	Duravent Hard Pipe Adapter – 5/8" (Sloped Flue) Note: Only sloped flues require Z58DFA adapter.
ZDVRA	Duravent REDUCER- 5/8" to 4x6-5/8" ADAPTER (used at flue of fireplace) (<i>Models MQVL48/60 and ZCVRB60 will require a one-foot section of MG Hard Pipe at flue before using ZDVDRA</i>)
	Termination End
ZDVDIA	Duravent Pipe Increaser- at Power Vent
SECTION 3	DV HARD PIPE 3/5" - Used for entire installation - Required Components Below
Z58DFA	Duravent Hard Pipe Adapter - 5/8" (Sloped Flue Models MCVST42/MCVP42/MQZCV48)
NOTE: Enclave and Serene 60 models will only require 1 FT Section of 5/8" Duravent at Flue	
PVA5835	Duravent Adapter- 5/8" TO 3/5" (used at flue of fireplace) Termination End
PVA3558	Duravent Adapter - 3/5" to 5/8" (at Termination)
Note: Must use a one-foot section of 5/8 DV hard pipe to connect to the Power Vent Termination (not supplied)	
SECTION 4	FLEX VENT – Used for entire installation – order Z58PVA
Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.	
Z58PVA	Flex Pipe Adapter Kit - (to adapt flex pipe to power vent to hard pipe)

7/10 VENTING: Choose venting to be used: Section 1 - 5/8 Hard Pipe, Section 2 4x6-5/8" Hard Pipe, Section 3 Flex Vent	
SECTION 1	DIRECT VENT HARD PIPE – for entire installation – Order Z69DFA
	At Flue
Z69DFA	Duravent Hard Pipe Adapter – 5/8"
SECTION 2	DIRECT VENT HARD PIPE 4 x 6-5/8"- Used for entire installation- Order Z69DFA, ZDVDRA, ZDVDIA
	At Flue
Z69DFA	Duravent Hard Pipe Adapter – 5/8"
Note: Will require 1FT Section of 5/8" Duravent attached to Z69DFA	
ZDVRA	Duravent REDUCER- 5/8" to 4x6-5/8" ADAPTER
	Termination End
ZDVDIA	Duravent Hard Pipe Adapter (used to connect 4x6-5/8" to 5/8" hard pipe)
Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.	
SECTION 3	FLEX VENT 7/10"– Used for entire installation – order Z69PVA
Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.	
	Termination End
Z69PVA	Flex Pipe Adapter Kit - (to adapt flex pipe to power vent to hard pipe)

Adapters and Adapter Kits

ADAPTERS AT FIREPLACE:



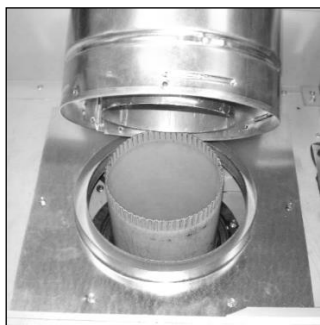
ZDVDKA



ZDVDFA & Z58DFA



ZDVDRA

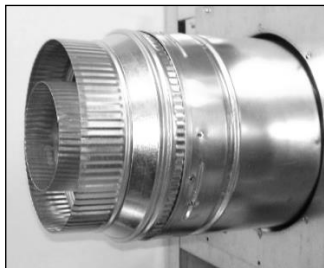


Z57DFA

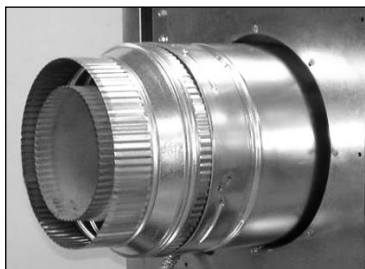


Z69DFA

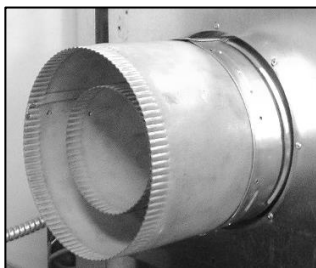
ADAPTERS AT TERMINATION:



Z47PVA



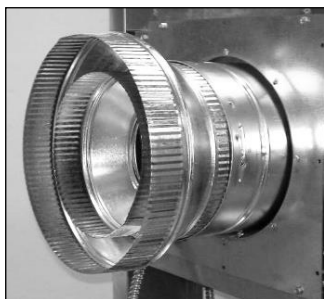
Z57PVA



Z58PVA



ZDVDIA



Z69PVA

PVH58 -Parts List-

NUMBER	DESCRIPTION
PVH58	Horizontal Power Vent Termination - Listed for Canada and USA

4/7 Flex Pipe Components

ZDVFK5	Flex Kit (4" & 7" Dia.) x 2.5' (Unexpanded) 5' Expanded
ZDVFK8	Flex Kit (4" & 7" Dia.) x 4' (Unexpanded) 8' Expanded
ZDVFK20	Flex Kit (4" & 7" Dia.) x 10' (Unexpanded) 20' Expanded *Kits are complete with spring stand-offs & silicone.
ZDV4FC	Flex Connector 4" Diameter
ZDV7FC	Flex Connector 7" Diameter
ZDV4SS	Spring - Standoff Spacer for Inner Pipe

5/7 Flex Pipe Components

Z57FK5	Flex Kit (5" & 7" Dia.) x 5' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK8	Flex Kit (5" & 7" Dia.) x 8' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK20	Flex Kit (5" & 7" Dia.) x 20' Expanded (c/w Springs, Screws, Mill Pac)
ZDV5FC	Flex Connector 5" Diameter
ZDV7FC	Flex Connector 7" Diameter
ZDV5FCL	Flex Clamp 5"
ZDV7FCL	Flex Clamp 7"
ZDV4SS	Spring - Standoff Spacer for Inner Pipe

5/8 Flex Pipe Components

Z58FK5	Flex Kit (5" & 8" Dia.) x 2.5' (Unexpanded) 5' Expanded
Z58FK8	Flex Kit (5" & 8" Dia.) x 4' (Unexpanded) 8' Expanded
Z58FK20	Flex Kit (5" & 8" Dia.) x 10' (Unexpanded) 20' Expanded *Kits are complete with spring stand-offs & silicone.
ZDV5FC	Flex Connector 5" Diameter
ZDV8FC	Flex Connector 8" Diameter
ZDV4SS	Spring - Standoff Spacer for Inner Pipe

7/10 Flex Pipe Components

Z710FK5	Flex Kit (7/10"x5' Expanded: Springs, Screws, Millpac)
Z710FK8	Flex Kit (7/10"x8' Expanded: Springs, Screws, Millpac)
Z710FK20	Flex Kit (7/10"x20' Exp.: Springs, Screws, Millpac)
ZDV7FC	Flex Connector 7" Diameter
ZDV10FC	Flex Connector 10" Diameter
ZDV7FCL	Flex Clamp 7" Diameter
ZDV10FCL	Flex Clamp 10" Diameter
ZDV7SS	Spring – Standoff Spacer for Inner Pipe

PVH58 Termination Component Parts

58PVH-230S	Blower Motor and Housing Assembly
58PVH-230F	Blower Motor and Housing Assembly
58PVH-P118	Gasket
58PVH-P9372	Vacuum Switch
58PVH-P119	Silicone Tubing for Vacuum Switch
58PVH-P3211	3/4" K.O. Bushing
58PVH-WTA	Wall Thimble Assembly
PVH20H	Main Wiring Harness Assembly – Extension Harness (20ft)

PVC58MV Power Vent Control Module – Millivolt Box

58PVH-P124	Double Pole Switch
58PVH-P421	Timer Switch

PVC58IPI Power Vent Control Module – IPI Box

58PVH-P421	Timer Switch
58PVH-P156	Relay
58PVH-P487	Relay Socket

IPI System 2 (Module Box not required)

584-X12	Wiring Harness (required for using PVH58 Power Vent with units equipped with IPI System 2.)
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LIMITED LIFETIME WARRANTY

This Limited Lifetime Warranty applies only while the unit remains at the site of the original installation and only if the unit is installed inside the continental United States, Alaska, Hawaii, and Canada. The warranty applies only if the unit is installed and operated in accordance with the printed instructions and in compliance with applicable installation and building codes and good trade practices.

BASIC ONE YEAR WARRANTY

During the first year after installation, we will provide a replacement for any component part of your unit found to be defective in materials or workmanship, including labour costs. Repair work requires prior approval by Kingsman, labour costs are based on a predetermined rate schedule and any repair work must be done through an authorized Kingsman dealer.

(Excluded Components: Accent Light Bulbs, Gasketing and Paint)

LIMITED LIFETIME WARRANTY

The heat exchanger, combustion chamber and burner of every Kingsman product excluding the Outdoor Firepit are warranted against materials or workmanship during the period the product is owned by the original owner. The part to be replaced must be returned to our distributor in exchange for the replacement part. Any labor, material, freight and/or handling charges associated with any repair or replacement pursuant to this Limited Lifetime Warranty will not be covered by this warranty.

GENERAL TERMS

In lieu of providing a replacement part, we may, at our option, provide the distributor's component purchase price from us or a credit equal to the distributor's component purchase price from us toward the purchase of any new unit which we distribute. If a credit is given in lieu of a replacement part, the rating plate from the unit being replaced must be submitted on a warranty claim, and the unit being replaced must be made available to our distributor for disposition.

In establishing the date of installation for any purpose, including determination of the starting date for the term of this Limited Lifetime Warranty, reasonable proof of the original installation date must be presented*, otherwise the effective date will be based upon the date of manufacture plus thirty (30) days.

We will not be responsible for and you, the user, will pay for: (a) damages caused by accident, abuse, negligence, misuse, riot, fire, flood, or Acts of God (b) damages caused by operating the unit where there is a corrosive atmosphere containing chlorine, fluorine, or any other damaging chemicals (other than in a normal residential environment) (c) damages caused by any unauthorized alteration or repair of the unit affecting its stability or performance (d) damages caused by improper matching or application of the unit or the unit's components (e) damages caused by failing to provide proper maintenance and service to the unit (f) any expenses incurred for erecting, disconnecting or dismantling the unit (g) parts or supplies used in connection with service or maintenance (h) damage repairs, inoperation or inefficiency resulting from faulty installation or application (i) electricity or fuel costs or any increase in electricity or fuel cost whatsoever including additional or unusual use of supplemental electric heat.

We shall not be liable for any incidental, consequential, or special damages or expenses in connection with any use or failure of this unit. We have not made and do not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose. We make no express warranties except as stated in this Limited Lifetime Warranty. No one is authorized to change this Limited Lifetime Warranty or to create for us any other obligation or liability in connections with this unit. Any implied warranties shall last for one year after the original installation. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty or condition lasts, so the above limitations or exclusions may not apply to you. The provisions of this limited warranty are in additions to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

Save this certificate. It gives you specific legal rights, and you may also have other rights which may vary from state to state and province to province.

In the event your unit needs servicing, contact your dealer or contractor who installed or serviced your unit. When requesting service, please have the model and serial number from each unit readily available. If your dealer needs assistance, the distributor is available for support and we, in turn support the distributor's efforts.

Fill in the installation date and model and serial numbers of the unit in the space provided below and retain this limited warranty for your files.

Model No. _____ Serial No. _____ Date installed _____

Dealer or Contractor Name: _____

*To receive advantage of your warranty, you must retain the original records that can establish the installation date of your unit.

The Ultimate in Design, Engineering & Quality