

Unvented Gas Log Heater/ Vented Decorative Appliance Installation and Operating Instructions Models: PH18 (for use with PH18R Log Sets)

PH24 (for use with PH24R or PH30R Log Sets)

### WARNINGS

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

- 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.
  - 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 supplier.







This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. *Refer to page 8.* 

INSTALLER: Leave this manual with the appliance. CONSUMER: Retain this manual for future reference. Thank you and congratulations on your purchase of an Monessen Log Set. PLEASE READ THE INSTALLATION AND OPERATION INSTRUCTIONS BEFORE USING THE APPLIANCE! IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard and will void the warranty.

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**NOTE**: Monessen vent ree gas logs are hand painted for ultimate beauty and realism. As a result, some variation in color and shading will occur from set to set. This is intentional and designed to make each product unique, as found in nature.

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#### **A** WARNING: FIRE, EXPLOSION, AND ASPHYXIATION HAZARD

Improper adjustment, alteration, service, maintenance, or installation of this heater or its controls can cause death or serious injury.

Read and follow instructions and precautions in User's Information Manual provided with this heater.

**CARBON MONOXIDE POISONING:** Early signs of carbon monoxide poisoning are similar to the flu with headaches, dizziness and/or nausea. If you have these signs, the insert may not have been installed properly. Get fresh air at once! Have the insert inspected and serviced by a qualified service person. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

Propane/LP gas and natural gas are both odorless. An odor-making agent is added to each of these gases. The odor helps you detect a gas leak. However, the odor added to these gases can fade. Gas may be present even though no odor exists.

#### **IMPORTANT SAFETY INFORMATION**

#### **INSTALLER**

Please leave these instructions with the appliance.

#### OWNER

Please retain these instructions for future reference.

- Any change to this heater or its controls can be dangerous.
- Improper installation or use of the heater can cause serious injury or death from fire, burns, **WARNING** explosion or carbon monoxide poisoning.
  - Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.
  - Do not use a blower insert, heat exchanger insert or other accessory, not approved for use with this heater where applicable.
- 1. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- 2. Children and adults should be alerted to the hazard of high surface temperature and should stay away to avoid burns or clothing ignition.
- 3. Young children should be carefully supervised when they are in the same room with the appliance.
- 4. Do not place clothing or other flammable material on or near the appliance.
- 5. Any safety screen or guard removed for servicing an appliance, must be replaced prior to operating the heater.
- 6. Installation and repair should be done by a qualified service person.
- 7. To prevent malfunction and/or sooting, an unvented gas heater should be cleaned 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 control compartments, burners and circulating air passageways be kept clean.
- 8. For propane/LP insert, do not place propane/LP supply tank(s) inside any structure. Locate propane/LP supply tank(s) outdoors. To prevent performance problems, do not use propane/LP fuel tank of less than 100 lbs. capacity.
- 9. The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.I/NFPA54.
- 10. This unit complies with ANSI Z21.11.2-(2019) Unvented Heaters and ANSI Z21.60-(2017)-CSA 2.26-(2017) Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces. State and local codes may only allow operation of this appliance in a vented configuration. Check your state or local codes. For vented operation, refer to Vented Instructions in this manual.
- 11. Do not install the heaters in a bathroom or bedroom.

- 12. Correct installation of the ceramic fiber logs, proper location of the heater, and annual cleaning are necessary to avoid potential problems with sooting. Sooting, resulting from improper installation or operation, can settle on surfaces outside the fireplace. See log placement instructions for proper installation.
- 13. Avoid any drafts that alter burner flame patterns. Do not allow fans to blow directly into fireplace. Do not place a blower inside burn area of firebox. Ceiling fans may create drafts that alter burner flame patterns. Sooting and improper burning will occur.
- 14. CAUTION: Candles, incense, oil lamps, etc. produce combustion by-products including soot. Vent-free appliances will not filter or clean soot produced by these types of products. In addition, the smoke and/or aromatics (scents) may be reburnt in the vent-free appliance which can produce odors. It is recommended to minimize the use of candles, incense, etc. while the vent-free appliance is in operation.
- 15. This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to Page 6.
- 16. This heater shall not be installed in a room or space unless the required volume of indoor combustion air is provided by the method described in the National Fuel Gas Code, ANSI Z223.1/NFPA 54, the International Fuel Gas Code or applicable local codes.
- 17. Keep room area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- 18. Unvented gas heaters are a supplemental zone heater. They are not intended to be a primary heating appliance. Water vapor produced by an unvented heater can create moisture problems in a home when operated for extended periods of time.
- 19. During manufacturing, fabricating and shipping, various components of this appliance are treated with certain oils, films or bonding agents. These chemicals are not harmful but may produce annoying smoke and smells

as they are burned off during the initial operation of the appliance; possibly causing headaches or eye or lung irritation. This is a normal and temporary occurrence.

The initial break-in operation should last two to three hours with the burner at the highest setting. Provide maximum ventilation by opening windows or doors to allow odors to dissipate. Any odors remaining after this initial break-in period will be slight and will disappear with continued use.

- 20. Input ratings are shown in BTU per hour and are for elevations up to 2,000 feet. For elevations above 2,000 feet, input ratings should be reduced 4 percent for each 1,000 feet above sea level. See the National Fuel Gas Code.
- 21. The heater and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).
- 22. The heater must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).
- 23. Do not use this room heater if any part has been under water. Immediately call a qualified service technician to inspect the room heater and to replace any part of the control system and any gas control which has been under water.
- 24. This appliance must not be used with glass doors in the closed position. This can lead to pilot outages and severe sooting outside the fireplace.
- 25. Never burn solid fuels in a fireplace where an unvented room heater is installed.
- 26. Always have a fireplace screen in place when the appliance is in operation and , unless other provisions for combustion air are provided, the screen shall have an opening(s) for induction of combustion air.

#### **Attention Massachusetts Residents:** This product must be installed by a licensed gas fitter.

WARNING Never connect unit to private (non-utility) gas wells. This gas is commonly known as wellhead gas.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.



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.

#### CODES

Adhere to all local codes or, in their absence, the latest edition of THE NATIONAL FUEL GAS CODE ANSI Z223.1 or NFPA54 which can be obtained from...

> American National Standards Institute, Inc. 1430 Broadway New York, NY 10018

> > or

National Fire Protection Association, Inc. **Batterymarch Park** Quincy, MA 02269

MARNING: 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.

#### ► GAS SPECIFICATIONS AND WEIGHT

Mode	els	Control	Maximum Input BTU/h	Minimum Input BTU/h	Weight Pounds
PH18NM	Nat.	Manual	30,000	18,000	22
PH18NV	Nat.	Millivolt	30,000	26,000	22
PH18PM	LP	Manual	30,000	22,500	22
PH18PV	LP	Millivolt	30,000	24,500	22
PH24NM	Nat.	Manual	36,000	19,000	24
PH24NV	Nat.	Millivolt	36,000	24,000	24
PH24PM	LP	Manual	36,000	25,000	24
PH24PV	LP	Millivolt	36,000	29,000	24

#### GAS PRESSURES

	Natural	Propane (LP)
Manual Regulator Pressure	3.5" w.c.	10.0" w.c.
Millivolt Regulator Pressure	3.5" w.c.	10.0" w.c.
Millivolt Pilot Regulator	3.5" w.c.	n/a
Max. Gas Inlet Pressure	10.5" w.c.	13.0" w.c.
Min. Gas Inlet Pressure	5.0" w.c.	11.0" w.c.

**NOTE:** An external regulator is required to reduce supply pressure to a maximum of 13.0" w.c. for LP systems.

#### **IGNITION CONTROLS**

Piezo ignitor allows ignition of the pilot without the use of matches or batteries.

#### Manual control has three (3) positions:

- **OFF** All gas to the gas logs is shut off at the valve.
- **IGN** Valve position to light/maintain a standing pilot.
- **HI/LOW** Variable position corresponding to desired flame height.

#### Millivolt control has four (4) positions:

- **OFF** All gas to the gas logs is shut off at the valve.
- IGN Valve position to light/maintain a standing pilot.
- **ON** Valve position to turn ON/OFF log set with remote switch/thermostat.
- **HI/LO** Variable position to control flame height (heat output).

#### PILOT/ODS

The gas log heater is fitted with a specially designed safety pilot (ODS assembly) which senses the amount of oxygen available in the room and shuts the gas log heater off if the oxygen level begins to drop below a satisfactory level. The pilot can only be relit when adequate fresh air is available.

#### THERMAL GENERATOR

The millivolt gas log pilot is fitted with a millivolt (thermopile) generator to provide power for remote activation.

- Handle the gas log burner assembly by the burner only. Do not pick the unit up by the burners or grate (not attached to frame).
- CAUTION Gloves are recommended when handling ceramic fiber logs to prevent skin irritation from loose fibers. Logs are fragile handle with care.

#### MAKE SURE YOU HAVE RECEIVED ALL PARTS:

Check your packing list to verify that all listed parts have been received. You should have the following:

- Unvented gas log burner assembly
- Plastic bag containing crushed volcanic rock ٠
- Installation/operating instructions
- Two (2) anchoring screws
- Grate •
- Ceramic fiber or refractory cement logs

The millivolt controlled version of this heater is the only style designed to be operated with optional devices for ON/OFF functions. The following options may be used with the millivolt controlled heater. These options are not packaged with the log set.

- Hand held Remote with receiver
- Wall thermostat with 15' wire
- Wall switch with 15' wire
- Hand held Thermostat Remote with receiver

Carefully inspect the contents for shipping damage. If any parts are missing or damaged, immediately inform the dealer from whom you purchased the appliance. Do not attempt to install any part of the appliance unless you have all parts in good condition.

#### WHAT YOU WILL NEED FOR INSTALLA-TION:

You should have the following items available before proceeding with installation:

- External regulator (for propane/LPG and 1/2 lb. natural gas systems only)
- Piping which complies with local codes
- Sediment trap (recommended)
- Screwdriver
- Tee joint.
- Pipe sealant approved for use with propane/LPG (Resistant to sulfur compounds)
- Drill with 5/32 bit
- Pipe wrench or appropriate size crescent wrench set
- Manual shutoff valve

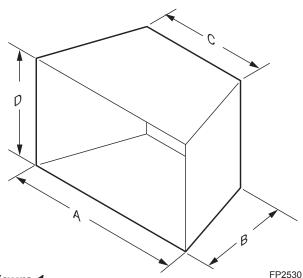
If the area in which the heater may be operated does not meet the required volume VARNING for indoor combustion air, combustion and ventilation air shall be provided by one of the methods described in the National Fuel Gas Code, ANSI Z223.1/NFPA 54, the International Fuel Gas Code or applicable local codes.

This appliance is for installation only in a solid-fuel burning masonry or UL127 factory-built fireplace, vent free appliance, or in listed ventless firebox enclosure. It has been design certified for these installations. *Exception:* DO NOT install this appliance in a factory-built fireplace that includes instructions

*Exception:* DO NOT install this appliance in a factory-built fireplace that includes instructions stating it has not been tested or should not be used with unvented gas logs.

Use manufacturer's installation and clearance requirements as defined in their manual.

This Gas-Fired Unvented Gas Log Type Room Heater is approved for installation into a CSA/ANSI Z21.91:20 listed Ventless Firebox Enclosure for Gas-Fired Unvented Gas Log Type Room Heaters, so long as the firebox hearth dimensions meet the minimum hearth dimensions listed in this manual.



#### Figure 1

MODEL	Α	В	С	D
PH18	25"	13"	17½"	17"
	(635 mm)	(330 mm)	(445 mm)	(432 mm)
PH24	29"	13"	19½"	17"
	(737 mm)	(330 mm)	(495 mm)	(432 mm)
PH30	35"	13"	25½"	17"
	(889 mm)	(330 mm)	(648 mm)	(432 mm)

Figure 1 -Hearth Minimum Dimensions

Barriers such as the bottom of a glass door frame placed in front of a gas log set can change the air flow characteristics of the fireplace which in turn can cause the unit to overheat and malfunction.

#### IMPORTANT INFORMATION FOR THE IN-STALLATION OF THIS GAS LOG SET

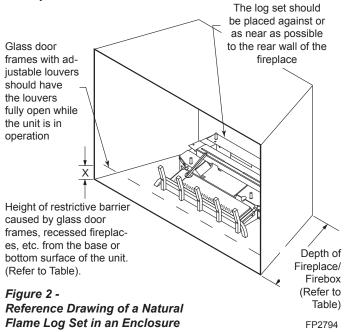
The following are guidelines for placing a gas log set in a fireplace that has a restrictive barrier along the bottom front opening of the fireplace. Some examples of barriers are glass/screen door frames and sunken/recessed fireplaces.

Height of	Minimum Depth of
Restriction (x)	Fireplace/Firebox
No Restriction	13"
0" to 1½"	16"
Greater than 1½" to 3"	16"
Greater than 3"	*

\*Any barrier greater than 3" placed in front of the gas log set is not recommended by the manufacturer.

**NOTE:** Non combustible material such as refractory brick may be used to line the floor of the fireplace in order to raise the height of the gas log set in relation to a restrictive barrier. If the unit is raised, the minimum height dimension listed in the homeowner's manual must not be exceeded.

**NOTE:** If the log set is equipped with a remote receiver, a restrictive barrier may reduce the battery life by increasing the ambient temperature inside the fireplace. Placement of the receiver outside of the fireplace will extend the battery life.



# ADEQUATE COMBUSTION VENTILATION AIR

This heater shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air.

The National Fuel Gas Code, (ANSI Z223.1/NFPA54), defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 BTU per hour (4.8m<sup>3</sup> per kw) of the aggregate input rating of all appliances installed in that space, and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 BTU per hour (4.8 m<sup>3</sup> per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of a confined space.

Unusually tight construction is defined as construction where:

- a. Walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of 1 perm (6 x 10<sup>11</sup> kg per pa/sec-m<sup>2</sup>) or less with openings gasketed or sealed, and
- b. Weather stripping has been added to windows and doors, and
- c. Caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical and gas lines and other openings.

The following formula can be used to determine the maximum heater rating per the definition of unconfined space:

 $\frac{BTU/Hr = (L_1 + L_2) Ft x (W) Ft x (H) Ft}{50}$ 

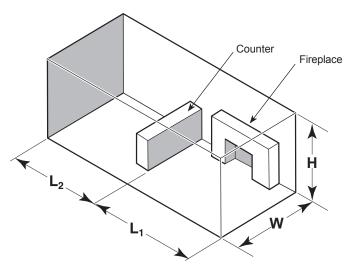
Consider two connecting rooms with an open area between, with the following dimensions:

$$L_1 = 15^{1/2}$$
 Ft.,  $L_2 = 12$  Ft.,  $W = 12$  Ft.,  $H = 8$  Ft.

$$\frac{BTU/Hr = (15^{1}/_{2} + 12) \times (12) \times (8)}{50}$$

If there were a door between the two rooms the calculation would be based only on the room with the heater.

$$\frac{\text{BTU/Hr} = (15^{1/2}) \times (12) \times (8)}{50}$$





If the area in which the heater may be operated does not meet the required volume for indoor combustion air, combustion and ventilation air shall be provided by one of the methods described in the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, the *International Fuel Gas Code* or applicable local codes. WARNING

The dimensions shown in Figures 4 through 12 and defined in the fireplace manufacturer's instructions are *minimum clearances* to maintain when installing this heater. Left and right clearances are determined when facing the front of the heater.

When heater is installed into a ventless firebox, minimum clearances, as specified by the ventless firebox manufacturer, must be met.

Follow these instructions carefully to ensure safe installation. Failure to follow instructions exactly can create a fire hazard.

Sidewall and ceiling clearances: The *sides* of the fireplace opening must be *at least 16*" from any combustible wall. The *ceiling* must be *at least 42*" from the top of the fireplace opening.

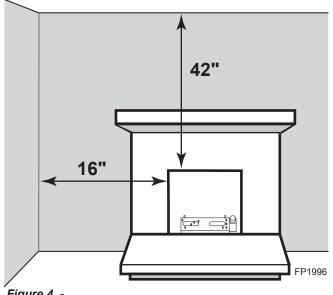


Figure 4 -Sidewall and Ceiling Clearances

# Heat resistant material (minimum requirements) with no wooden mantel or other combustible projection:

To install the gas logs into a fireplace with no wooden mantel, shelf or other combustible projection above the fireplace opening, measure the heat resistant material height, *per Figure 5, then see TABLE A.* 

Heat resistant materials such as slate and marble must be at least 1/2" thick. Sheet metal should not be installed onto combustible material.

**IMPORTANT:** If you cannot meet these minimum clearances you must operate the heater with chimney flue damper open. Refer to "Installing Vented Applications" found on Page 12.

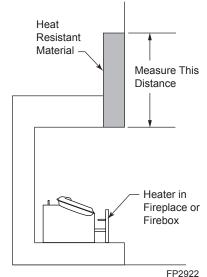
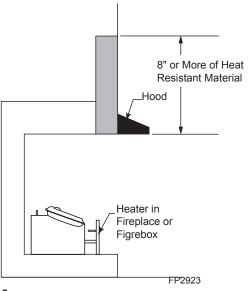


Figure 5-Measure Heat Resistant Material

#### Table A -

Heat Resistant Material Requirements with No Mantel or Combustible Projection

Heat Resistant Material Measurement	PH18/24 Requirements for Safe Installation
12" or more	Hood not required
8" or less than 12"	Extend resistant material to 12" or install hood. <i>Figure 5</i>
Less than 8"	Extend heat resistant material to at least 8" and install hood. <i>Figure 5</i> . <b>OR</b> , extend heat resistant material to a height of at least 12"



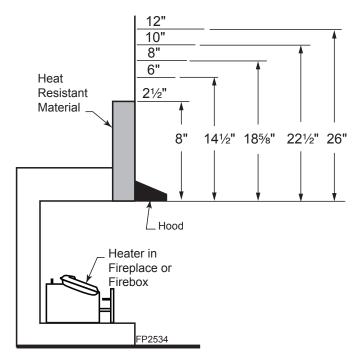


### Heat resistant material (minimum requirements) with wooden mantel or other combustible projection:

To install the heater with a wooden mantel, shelf or other combustible projection above, first measure the heat resistant material shown in *Figure 7, then see TABLE B.* 

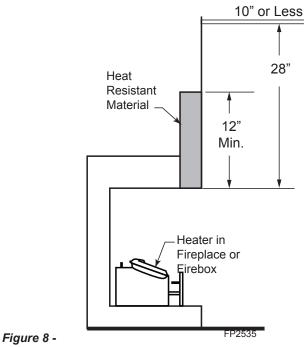
Table B -
Heat Resistant Material Heights and Mantel Location

Heat Resistant Material Measurement	Requirements for Safe Installation with Wooden Mantel, Shelf or Other Combustible Projection
12" or more	Hood not required. Observe profiles (side elevations) shown in <i>Figure</i> 7
8" or less than 12"	Install hood (CABR/CABL) and observe profiles show in <i>Figure 6</i> ; <b>OR</b> extend heat resistant material to at least 12" and observe profiles shown in <i>Figure 7</i>
Less than 8"	Extend heat resistant material to at least 8" and install hood (CABR/ CABL) and observe profiles shown in <i>Figure 6</i> ; <b>OR</b> extend heat resistant material to at least 12" and observe profiles shown in <i>Figure 7</i> .





**Example:** A mantel may project from the wall a **maximum** of 2½" at a **minimum** of 8" above the opening and a **maximum** of 6" at a **minimum** of 14½" above the opening.



Minimum Mantel Clearance with No Hood

**Example:** The bottom of the mantel may project from the wall a **maximum** of 10" at a **minimum** of 28" above the opening.

#### FLOOR CLEARANCE

The gas log heater must be installed at least 5" above any combustible flooring material, such as carpeting or tile, which is closer than 14" to the base of the fireplace. The minimum distance must be maintained from the top surface of carpeting, tile, etc. *Figure 9* 

#### OR,

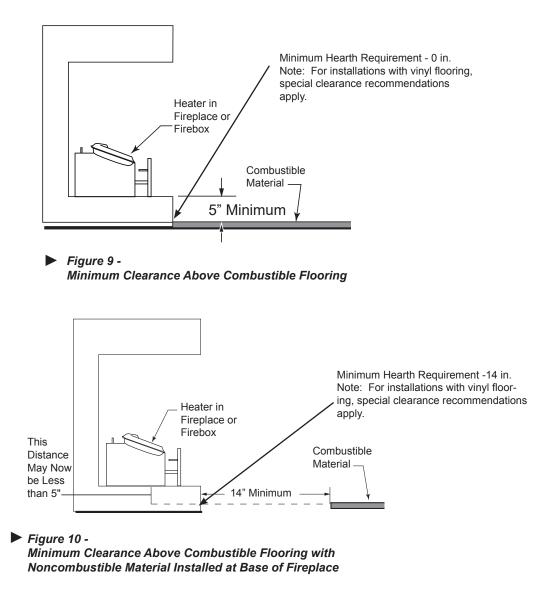
The gas log heater may be installed nearer to the floor if a minimum of 14" of noncombustible material such as slate or marble is installed between the base of the fireplace and the combustible flooring. *Figure 10* **NOTE**: The use of a thermostat is prohibited in vented log applications.

#### ► Vinyl Flooring

Vinyl Flooring is sensitive to heat. A 14 inch minimum depth hearth extension is recommended when using vinyl flooring up to the wall. See Figure 10.

NOTICE: Clearances that do not meet the minimum guidelines could result in damage or buckling to the vinyl flooring and is done at the installer's risk.

Hearth & Home Technologies does not recommend adhesive based vinyl flooring due to thermal expansion. Floating-style flooring can be used, but will reach temperatures up to 110°F in a room with ambient temperature of 70°F. Consult flooring specifications to ensure compatibility.



#### **BEFORE FULLY INSTALLING THE UNIT:**

- Turn **OFF** the gas supply to the fireplace or firebox.
- Seal any fresh air vents and/or ash clean-out doors located on the floor or wall of the fireplace. If left unsealed, drafting may cause pilot outage or sooting. Use a heat resistant sealant. **Do not seal the chimney flue damper.**

WARNING

**WARNING** 

Before installing in a solid fuel burning fireplace, The chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner.

#### INSTALLING VENTED APPLICATIONS

Manual and millivolt controlled gas logs may be installed as a vented decorative log set in compliance with ANSI Z21.60 and National Fuel Gas Code, Section 6.6 Since, the gas logs are operated with the damper open, non-combustible material and minimum mantel requirements do not apply.

**NOTE**: The use of a thermostat is prohibited in vented log applications.

This appliance is for installation only in a solid fuel burning fireplace (masonry fireplace or manufactured fireplace) with a working flue and constructed of noncombustible material.

*Exception:* DO NOT install this appliance in a factory-built fireplace that includes instructions stating that it has not been tested or should not be used with unvented gas logs. This log set may be installed as a vented log set.

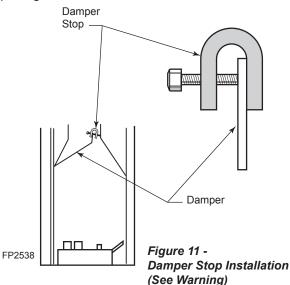
#### **BEFORE INSTALLING THE APPLIANCE:**

- Turn off gas supply to fireplace or firebox.
- Have the fireplace floor and chimney professionally cleaned to remove ashes, soot, creosote or other obstructions. Have this cleaning performed annually after installation.
- Seal any fresh air vents or ash clean-out doors located on floor or wall of fireplace. If not, drafting may cause pilot outage or sooting. Use a heat-resistant sealant. Do not seal chimney flue damper.

Install and operate the appliance as directed in this manual.

#### DAMPER STOP INSTALLATION:

A damper stop must be provided with the unit. Contact your dealer to obtain one. The damper stop must be installed as shown in *Figure 11* to prevent full closure of the fireplace damper blade and provide a minimum 29 square inch flue opening.



The fireplace and gas logs function as a system. If the fireplace is spilling into the room (check with a match or a smoke stick), reposition the damper clamp until a positive draft is obtained by opening the damper. If negative pressure in home prevents having a positive draft, contact your dealer for assistance.

#### PLACE AND SECURE APPLIANCE

You must secure the gas log heater to the fireplace floor. If not, the entire unit may move when you adjust the controls. Movement of unit may cause shifting of the gas logs which leads to sooting and improper burning.

Special care is required if you are installing the unit into a sunken fireplace. You must raise the fireplace floor to allow access to gas log controls. This will insure adequate air flow and guard against sooting. Raise the fireplace floor using noncombustible materials, as described in *Placement in a Fireplace with Restrictive Barrier* on Page 7.

WARNING

#### ASSEMBLY PROCEDURE

- 1. Center the gas log unit in the fireplace or firebox.
- 2. Install Grate: Insert longest middle grate bar in one of the two square holes in control panel. *Figure 12*. Be sure grate is centered. Sit horizontal bar inside two hooks on front of control panel. *Figure 12*. Make certain front feet of grate are located inside front edge of fireplace or firebox.
- Anchor holes are located on the flange of the unit. *Figure* 12. After centering the burner correctly, mark the hole positions on the fireplace/firebox floor. Drill two (2) 5/32" diameter holes approximately 1½" deep.
- 4. Anchor the unit to the fireplace/firebox floor using the screws provided. *Figure 13.*

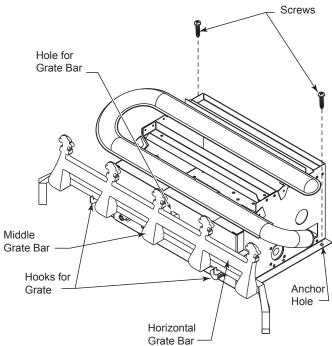


Figure 12 -Install Grate and Secure Heater to Floor of Fireplace/Firebox

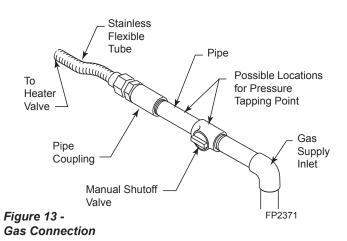
#### CONNECT THE GAS LINE

**NOTICE:** A qualified gas appliance installer must connect the heater to the gas supply. Consult all local codes.

Use new black iron or steel pipe. Internally tinned copper or copper tubing can be used per National Fuel Code, section 2.6.3, providing gas meets hydrogen sulfide limits, and where permitted by local codes. Gas piping system must be sized to provide minimum inlet pressure (Listed on Data Plate) at the maximum flow rate (BTU/Hr). Undue pressure loss will occur if the pipe is too small.

CAUTION

A manual shutoff valve must be installed upstream of the appliance. Union tee and plugged 1/8" NPT pressure tapping point should be installed upstream of the appliance. *Figure 13* 



**IMPORTANT:** Hold heater valve firmly with a wrench to prevent movement when connecting to inlet pipe.

CHECK GAS TYPE: The gas supply must be the same as stated on the heater's rating plate. If the gas supply is different, DO NOT INSTALL THE HEATER. Contact your dealer for the correct model.

Connecting directly to an unregulated propane/LPG tank can cause an explosion.

Always use an external regulator for all propane/LPG heaters and high pressure one to two-pound systems only, to reduce the supply tank pressure to a maximum of 13" w.c. This is in addition to the internal regulator in the heater valve.

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The heater gas inlet connection is a 3/8" NPT at the valve. All units have the inlet connection on the right side, when you face the unit. To connect from the opposite side, route the pipe under the rear portion of the unit.

When tightening up the joint to the valve, hold the valve securely to prevent movement.

Test all gas joints from the gas meter to the heater valve for leaks using a gas analyzer or soap and water solution after completing connection. **DO NOT USE AN OPEN FLAME.** 

Check the gas pressure with the appliance burning and the control set to **HIGH**.

#### MANUAL CONTROL

#### Figure 14

The pressure regulator is preset and locked to discourage tampering. If the pressure is not as specified, replace the regulator with the correct part from the parts list in this manual.

Remove 1/8" NPT plug, located on side of regulator body. Install fitting and tubing to pressure gauge. After taking pressure reading, reinstall test plug. Check for gas leaks.

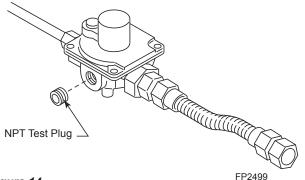


Figure 14 -Manual Control Pressure Test Point Location

#### **MILLIVOLT CONTROL**

#### Figure 15

The valve regulator controls the burner pressure which should be checked at the pressure test point.

Turn captured screw counter clockwise two or thre turns and then place tubing to pressure gauge over test point (Use test point "OUT" closest to control knob). After taking pressure reading, be sure and turn captured screw clockwise firmly to re-seal. Do not over torque. Check for gas leaks.

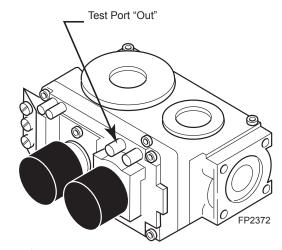


Figure 15 -Millivolt Control Pressure Test Point Location

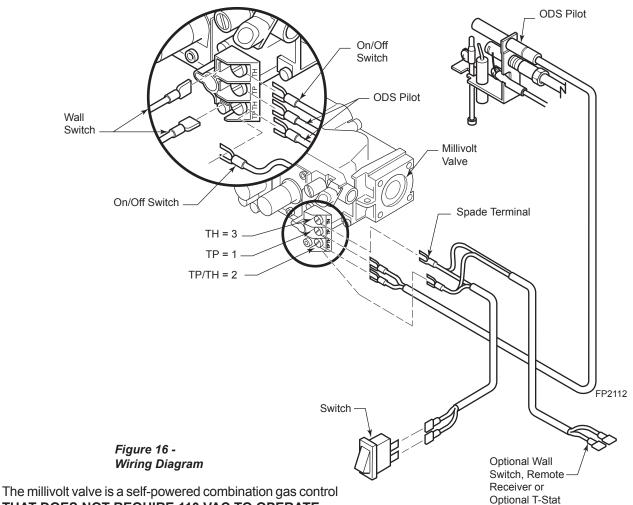
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Label all wires prior to disconnection when servicing controls.

Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.



THAT DOES NOT REQUIRE 110 VAC TO OPERATE.

#### CONNECT OPTIONAL WALL SWITCH OR THERMOSTAT(VENT FREE APPLICATIONS ONLY)

 Use 18 AWG, two-wire cable, 20 feet maximum length. At one end of the cable, connect both wires to the wall switch or thermostat. At the other end, connect one wire to TP/TH and one wire to TH. The color of the wires does not matter. Or you can hook the wall switch or thermostat to wires on the unit.

#### CONNECT OPTIONAL REMOTE RECEIVER

#### Follow instructions supplied with the remote.

Connect the wires to the two .25" male connectors located on the left side of the valve when facing the unit (*Refer to Page 18, Figure 16*). Do not let wire touch grate or burner.

**NOTE:** Heat reduces battery life. You can protect the receiver and extend battery life by mounting the receiver in a wall or other location outside the fireplace.

#### CHECK SYSTEM OPERATION

The millivolt system and individual components may be checked with a millivolt meter having a 1-1000 mV range. Conduct each check shown in chart by connecting meter test leads to terminals as indicated.

- A. COMPLETE MILLIVOLT SYSTEM CHECK
  - ("A" Reading On/Off Switch contacts CLOSED -Control Knob "ON" - Main burner should come ON)
  - a. If the reading is more than 175 millivolts and the automatic valve still does not come on, replace the control.
  - b. If the closed circuit reading ("A" reading) is less than 175 millivolts, determine cause for low reading, proceed to Section B below.

#### B. Thermopile Output Reading Check ("B" Reading - On/Off Switch contacts OPEN -Main burner OFF)

1. Check gas pressure to the unit. If gas pressure is within minimum and maximum on data plate, then check pilot voltage, 500 millivolts minimum. If the minimum millivolt reading is not obtainable, replace pilot.

Check Test	To Test	Connect Meter Leads To Terminals	Switch or Thermostat Contacts	Meter Reading Should Be
A	Complete System	2&3	Closed	Minimum 175mV
В	Thermopile Output	1 & 2	Open	Minimum 500mV

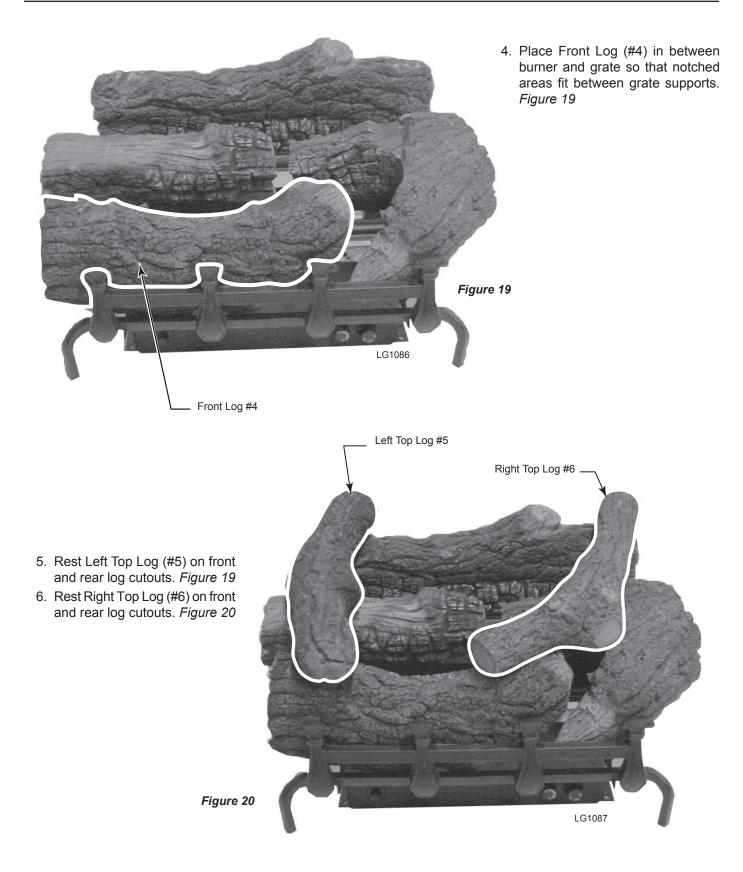
WARNING

The positioning of the logs are critical to the safe and clean operation of this heater. Sooting and other problems may result if the logs are not properly and firmly positioned in the appliance. Never add additional logs or embellishments such as pine cones, vermiculite or rock wool to the heater. Only use the logs supplied with the unit.

Failure to position the parts in accordance with diagrams below or to use only parts specifically approved for this heater may result in property damage or personal injury.



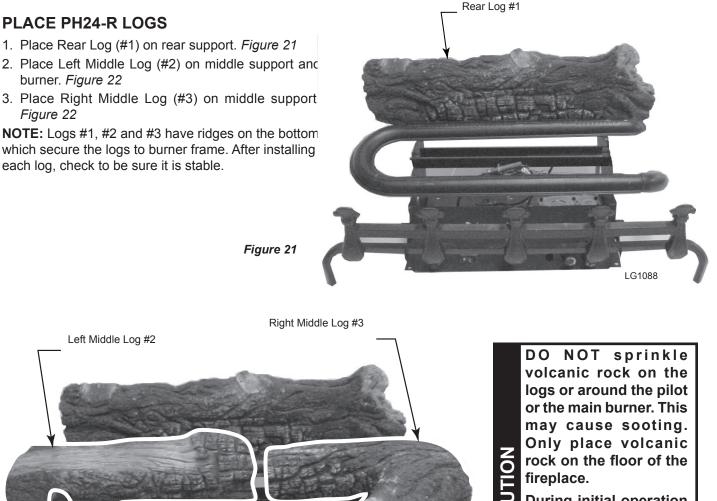
#### Monessen • PH18/24 Installation/Owner's Manual • 65D2035 • Rev M • 01/22



**NARNING** 

The positioning of the logs are critical to the safe and clean operation of this heater. Sooting and other problems may result if the logs are not properly and firmly positioned in the appliance. Never add additional logs or embellishments such as pine cones, vermiculite or rock wool to the heater. Only use the logs supplied with the unit.

Failure to position the parts in accordance with diagrams below or to use only parts specifically approved for this heater may result in property damage or personal injury.



During initial operation of the new heater, burning logs will give off a paper burning smell and orange flames will be present. Simply open the windows for a few hours to vent the odor.

Figure 22

LG1089

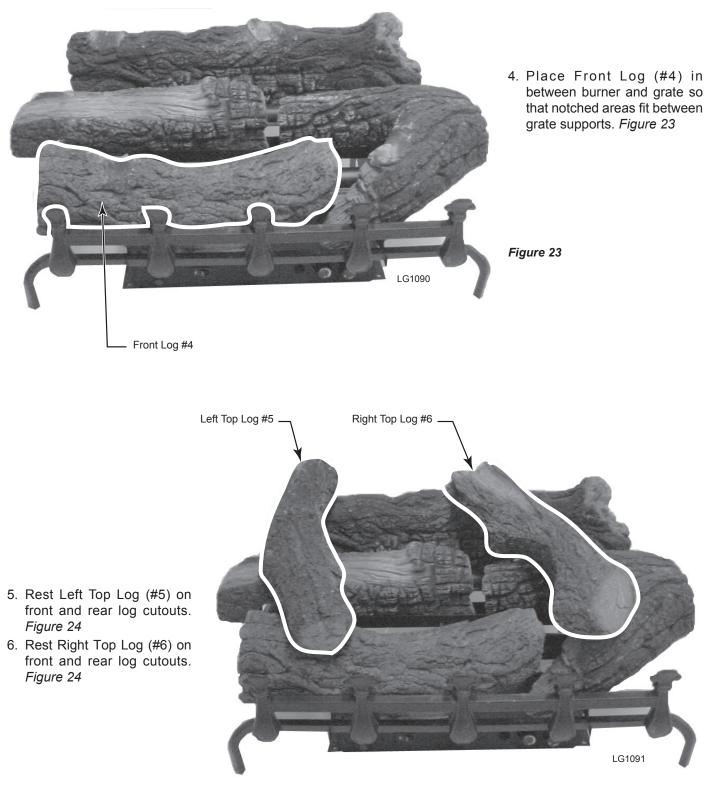


Figure 24

**NARNING** 

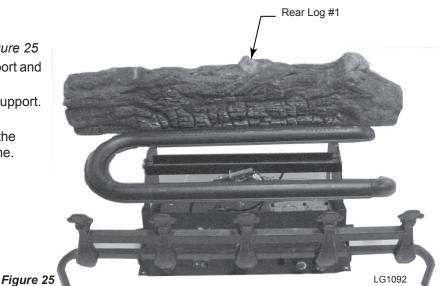
The positioning of the logs are critical to the safe and clean operation of this heater. Sooting and other problems may result if the logs are not properly and firmly positioned in the appliance. Never add additional logs or embellishments such as pine cones, vermiculite or rock wool to the heater. Only use the logs supplied with the unit.

Failure to position the parts in accordance with diagrams below or to use only parts specifically approved for this heater may result in property damage or personal injury.

#### PLACE PH30-R LOGS

- 1. Place Rear Log (#1) on rear support. *Figure 25*
- 2. Place Left Middle Log (#2) on middle support and burner. *Figure 26*
- 3. Place Right Middle Log (#3) on middle support. *Figure 26*

**NOTE:** Logs #1, #2 and #3 have ridges on the bottom which secure the logs to burner frame. After installing each log, check to be sure it is stable.



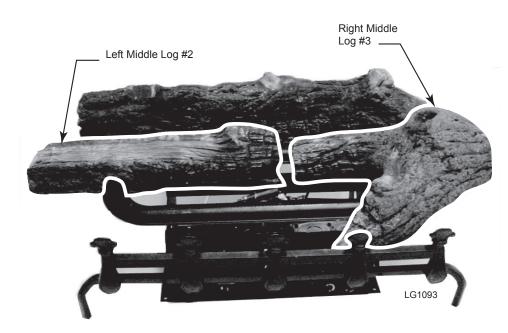
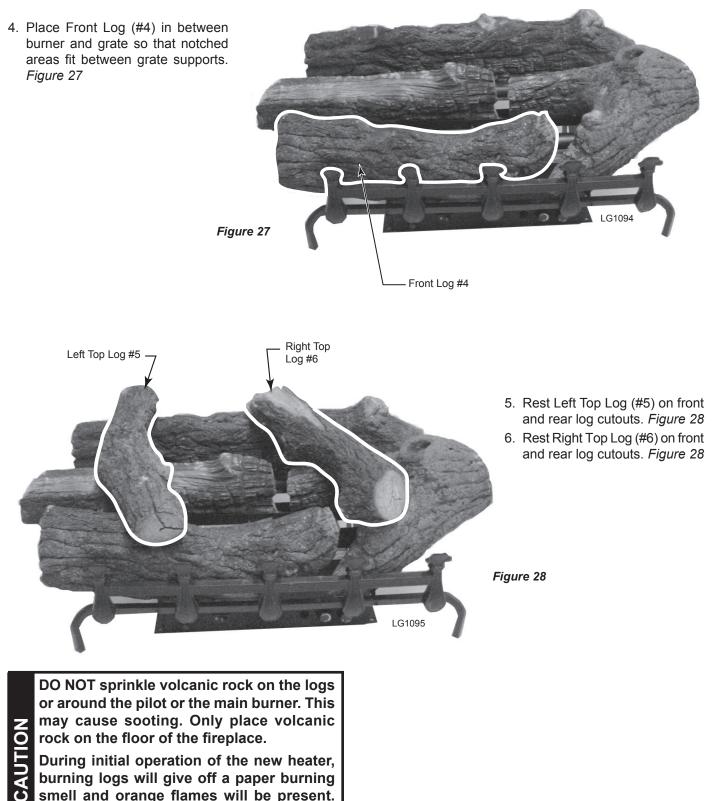


Figure 26



During initial operation of the new heater, burning logs will give off a paper burning smell and orange flames will be present. Simply open the windows for a few hours to vent the odor.

#### FLAME APPEARANCE

Flames from the pilot, front and rear burner should be visually checked as soon as the heater is installed. In addition, periodically check the flames visually during operation.

#### CHECK THE PILOT FLAME

The pilot flame must always be present when the heater is in operation. It should just touch the top of the thermocouple tip for natural. *Refer to Figures 29 and 31* for correct pilot flame appearance.

If the pilot flame does not touch the thermocouple, then the main burner cannot function reliably. Refer to *Figures 30 and 32* for incorrect pilot flame appearance

#### **MILLIVOLT CONTROL MANUAL & HI/LO CONTROL** Thermocouple Thermocouple for Natural Gas for LP Thermocouple for Natural Gas Thermocouple for LP FP22 Figure 29 -Figure 31 -**Correct Pilot Flame Appearance Correct Pilot Flame Appearance** Thermocouple Thermocouple for Natural Gas for Natural Gas Thermocouple for LP

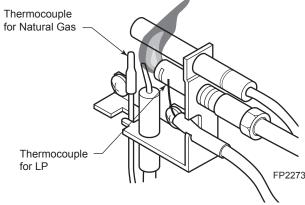


Figure 30 -Incorrect Pilot Flame Appearance

Figure 32 -Incorrect Pilot Flame Appearance

In normal operation at full rate after 15 minutes, the following flame appearances should be observed:

The left and right flames should be yellow and extend 1" to 2" above the log top surfaces. The yellow flames should *not* contact the logs.

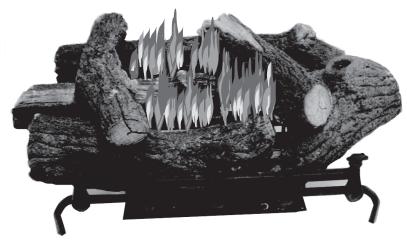


Figure 33 -Correct Burner Flame Appearance

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#### **OPERATING INSTRUCTIONS**

Avoid any drafts that alter burner flame patterns. Do not allow fans to blow directly into the fireplace. Do not place a blower inside the burn area of the firebox. Ceiling fans may create drafts that alter flame patterns. Sooting and improper burning will result.

During manufacturing, fabricating and shipping, various components of this appliance are treated with certain oils, films or bonding agents. These chemicals are not harmful, but may produce annoying smoke and smells as they are burned off during the initial operation of the appliance, possibly causing headaches or eye or lung irritation. *This is a normal and temporary occurrence.* 

The initial break-in operation should last two to three hours with the burner at the highest setting. Provide maximum ventilation by opening windows or doors to allow odors to dissipate. Any odors remaining after this initial break-in will be slight and will disappear with continued use.

This appliance must not be used with glass doors in the closed position. This can lead to pilot outages and severe sooting outside the fireplace.

#### **OPERATING INSTRUCTIONS**

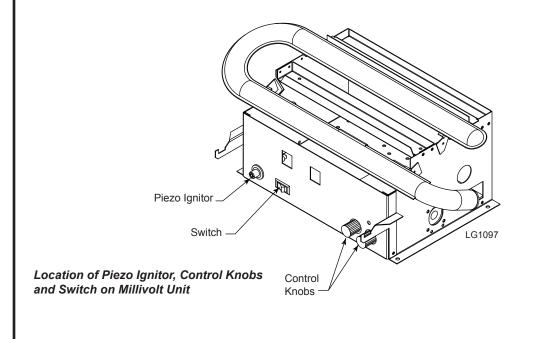
#### FOR YOUR SAFETY, READ BEFORE LIGHTING

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

- **A.** This appliance is equipped with an ignition device which automatically lights the pilot. Do <u>not</u> try to light the unit by hand.
- **B.** BEFORE OPERATING 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 attempt to light any appliance.
- Do not touch any electric 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.** Use only your hand to push in, or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- **D.** Do not use this appliance if any part of it 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.



### MANUAL CONTROL LIGHTING INSTRUCTIONS

- 1. **STOP!** Read the safety information.
- 2. Make sure the manual shutoff valve is fully open.
- 3. This heater is equipped with an ignition device (piezo) which automatically lights the pilot.

**NOTE:** Knob cannot be turned to OFF unless knob is pushed in slightly. Do not force.

- Wait 5 minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas STOP! Follow the instructions under "What to Do if You Smell Gas", Page 26. If you do not smell gas, go to the next step.
- From OFF position, push in gas control knob slightly and turn counterclockwise 
   to the IGN position. *Figure 34.* Push in and hold control knob for 5 seconds.

**NOTE:** If you are running the heater for the first time, it will be necessary to press in the control knob for 30 seconds to allow air to bleed out of the gas piping.

- 7. With the control knob pushed in, push and release the piezo ignitor button to light the ODS pilot. The pilot is located on the left side of the heater, behind the middle log and in front of the back log. If piezo ignitor does not light the pilot, refer to "Match Lighting Instructions", *Page 29*
- 8. Hold the control knob in for an additional 10 seconds to prevent the ODS pilot from shutting off the gas while the thermocouple is warming up.
- 9. Release the control knob.
  - If the knob does not pop out when released, stop and immediately call your service technician or gas supplier.

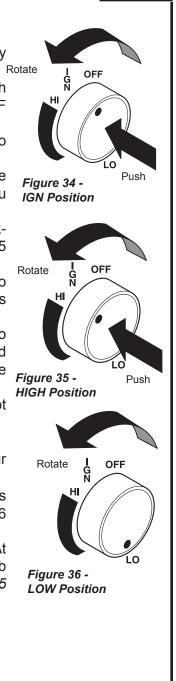
10. Push in control knob and turn counterclockwise room to the HIGH setting. At this location the control knob will pop out when positioned correctly. The knob can now be positioned at any position between HIGH and LOW. *Figures 35 and 36* 

Wait 30 seconds before readjusting the heater when the control knob has been turned down to a lower setting.

### TO TURN OFF GAS TO HEATER

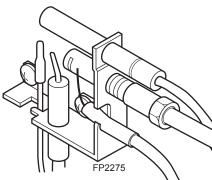
- 2. If applicable: Turn off all electric power to the heater.

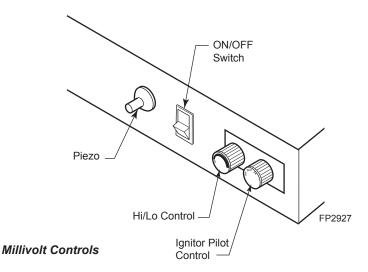
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### MILLIVOLT CONTROL LIGHTING INSTRUCTIONS

- 1. **STOP!** Read the safety information label.
- 2. Make sure the manual shutoff valve is fully open.
- 3. This gas log set is equipped with an ignition device (piezo) which automatically lights the pilot. If piezo ignitor does not light the pilot, refer to instructions for *Match Lighting Instructions, Page 29*.
- 5. Wait (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, **STOP!** Follow *What to Do if You Smell Gas, Page 26.* If you don't smell gas, go to next step.
- 6. From OFF position, turn the gas control knob counterclockwise row to IGN position. Push in control knob for 5 seconds. *NOTE: If you are running the heater for the first time, it may be necessary to press in the control knob for 30 seconds orlonger to allow air to bleed out of the gas piping.*
- 7. With the control knob pushed in, push in and release the piezo ignitor button to light the pilot.
- 8. Continue pushing the control knob in for a further 60 seconds to prevent the flame detector from shutting off the gas while the probe is warming up. Release the control knob.
- 9. Turn gas control knob counterclockwise room to the ON position.
- 10. After the pilot has been lit for one minute, the burners can be turned on. Turn the ON/OFF switch to ON position or adjust thermostat to desired setting. *NOTE: To use the thermostat function (if installed) the control knob must be set to "ON" and ON/OFF switch must in the "OFF" position.*
- 11. If the gas logs will not operate, follow the instructions *To Turn Off Gas To Heater* below and call your service technician or gas supplier.





#### Pilot

### TO TURN OFF GAS TO HEATER

- 2. If applicable: Turn ON/OFF switch to OFF position and/or set thermostat (if present) to lowest setting.
- 3. If applicable: Turn off all electric power to the heater.

- 1. Remove any items necessary for easy access to the pilot (for example: logs, screens, etc.).
- 2. Follow appropriate lighting instructions found previously. Instead of pushing and releasing the piezo button, light a match and hold the flame to the end of the pilot and ignite the pilot.
- 3. After control knob has been released and pilot stays lit, reinstall any items that were removed for pilot access.
- 4. Call a qualified service technician for repair or replacement of the piezo ignitor.

Turn off heater and allow to cool before cleaning. Disconnect electrical power before cleaning or servicing.

#### **CLEANING AND SERVICING**

Annual inspection and cleaning by your dealer or qualified service technician is recommended to prevent malfunction and/or sooting.

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Remove logs, handling carefully by holding gently at each end. Gloves are recommended to prevent skin irritation from ceramic fibers. If skin becomes irritated, wash gently with soap and water. Refer to manual for correct log placement.

#### PERIODIC CLEANING - Refer to parts diagram for location of items discussed below.

- Do not use cleaning fluid to clean logs or any part of heater.
- Brush logs with soft bristle brush or vacuum with brush attachment.
- Vacuum loose particles and dust from the front and rear burner, control and piezo covers and grate weldment.
- Inspect and clean burner air intake holes. Remove lint or particles with vacuum, brush, or pipe cleaners.
   Failure to keep air intake holes clean will result in sooting and poor combustion.
- External case should be dusted and wiped with a wet soapy cloth.

#### ANNUAL CLEANING/INSPECTION - Refer to parts diagram for location of items discussed below.

- Inspect and clean burner air intake holes. Remove lint or particles with vacuum, brush or pipe cleaners.
   Failure to keep air intake holes clean will result in sooting and poor combustion.
- Inspect and clean all burner ports.
- Inspect ODS pilot for operation and accumulation of lint at air intake holes.
- Verify flame pattern and log placement for proper operation.
- Verify smooth and responsive ignition of main burner and rear burner.
- Replace battery in remote control device.

WARNING

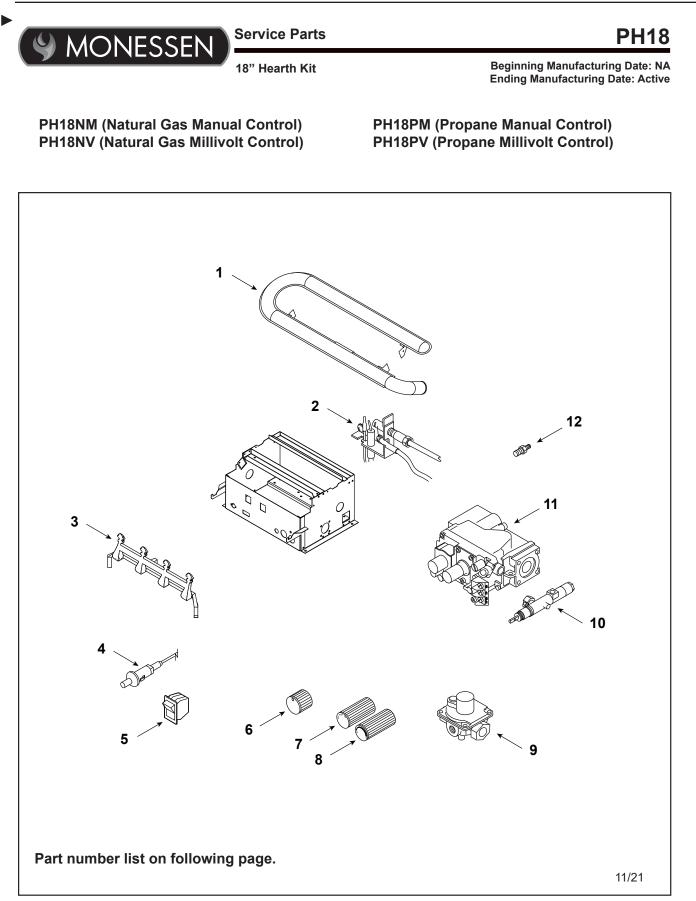
Turn off appliance and allow to cool before cleaning. Only a qualified service person should service and repair the heater.

**NOTE:** All troubleshooting items are listed in order of operation.

Problem	Possible Cause	Solution
When ignitor button is	1. Ignitor electrode positioned wrong.	1. Replace ignitor.
pressed, there is not spark	2. Ignitor electrode is broken.	2. Replace ignitor.
at ODS/pilot.	3. Ignitor electrode not connected to ignitor cable.	3. Reconnect ignitor cable.
	4. Ignitor cable pinched or wet. Keep ignitor cable dry.	4. Free ignitor cable if pinched by any metal or tubing.
	5. Broken ignitor cable.	5. Replace ignitor cable.
	6. Bad piezo ignitor.	6. Replace piezo ignitor.
Appliance produces un- wanted odors.	<ol> <li>Appliance burning vapors from paint, hair spray, glues, etc.</li> </ol>	1. Ventilate room. Stop using odor causing products while heater is running.
	2. Gas leak.	2. Locate and correct leaks.
	3. Initial burn off.	<ol> <li>Ventilate room and turn unit on high until odor is gone. Odor should be gone after 6 hours of continuous use.</li> </ol>
Appliance shuts off during use.	<ol> <li>Not enough fresh air is available for ODS/pilot to operate.</li> </ol>	1. open window and/or door for ventilation.
	2. Low line pressure.	2. Contact local gas company.
	3. ODS/pilot is partially clogged.	3. Clean ODS/pilot.
	4. Defective thermopile.	4. Check wire connections. Check output should be 500 mV across TH/TP and TP terminals with ON/OFF switches off.
	5. Restrictions in incoming air flow.	5. Check for bottom riser on glass door, sunken fireplace, excessive lava rock/ cinders densely packed against grate.
Gas odor even when	1. Gas leak.	1. Locate and correct all leaks.
control knob is in OFF position.	2. Control valve defective.	2. Replace control valve.
When ignitor button is pressed, there is spark at	<ol> <li>Gas supply turned off or manual shutoff valve closed.</li> </ol>	<ol> <li>Turn on gas supply or open manual shutoff valve.</li> </ol>
ODS/pilot, but no ignition.	2. Control knob not in PILOT position.	2. Turn control knob to PILOT position.
	3. Control knob not pressed in while in PILOT position.	<ol> <li>Press in control knob while in PILOT position.</li> </ol>
	4. Air in gas lines when installed.	<ol> <li>Continue holding down control knob. Repeat igniting operation until air is removed.</li> </ol>
	5. ODS/pilot is clogged.	<ol> <li>Replace ODS/pilot assembly or get it services.</li> </ol>
	6. Gas regulator setting is not correct.	<ul> <li>6. Check incoming pressure. Replace gas regulator.</li> </ul>

Problem	Possible Cause	Solution
ODS/pilot lights, but flame	1. Control knob not fully pressed in.	1. Press in control knob fully.
goes out when control knob is released.	<ol> <li>Control knob not pressed in long enough.</li> </ol>	<ol> <li>After ODS/pilot lights, keep control knob pressed in for 30 seconds.</li> </ol>
	3. Manual shutoff valve not fully open.	3. Fully open manual shutoff valve.
	<ol> <li>Thermocouple connection loose at control valve.</li> </ol>	<ol> <li>Hand tighten thermocouple connection until snug, then tighten 1/4 turn more.</li> </ol>
	5. Pilot flame not touching thermo- couple, which allows thermocouple to cool, causing pilot flame to go out. This problem could be caused by either low gas pressure, or a dirty or partially clogged ODS/pilot.	5. Contact local gas company.
	6. Thermocouple damaged.	6. Replace thermocouple.
	7. Control valve damaged.	7. Replace control valve.
Burner does not light after	1. Burner orifice is clogged.	1. Clean burner or replace burner orifice.
ODS/pilot is lit.	2. Burner orifice diameter is too small.	2. Replace burner orifice.
	3. Inlet gas pressure is too low.	3. Contact qualified service person.
Burner backfires during	1. Manifold Pressure is too low.	1. Contact local gas company.
combustion.	2. Burner orifice is clogged.	2. Clean burner or replace burner orifice.
Slight smoke or odor dur-	<ol> <li>Burner orifice is clogged or dam- aged.</li> </ol>	1. Clean burner or replace burner orifice.
ing initial operation.	2. Burner is damaged.	2. Replace burner.
	3. Gas regulator is defective.	3. Replace gas regulator.
Logs appear to smoke after initial operation.	1. Vapors from paint or curing process of logs.	<ol> <li>Problem will stop after a few hours of operation. Run the heater with the damper open if you have one, or open a window for the first few hours.</li> <li>Log heater is intended to be smoke- less. Turn OFF heater and call qualified service person.</li> </ol>
Heater produces a whis- tling noise when burner is	<ol> <li>Turning control knob to HIGH posi- tion when burner is cold.</li> </ol>	<ol> <li>Turn control knob to LOW position and let warm up for a minute.</li> </ol>
lit.	2. Air in gas line.	<ol> <li>Operate burner until air is removed from line. Have gas line checked by local gas company.</li> </ol>
	3. Dirty or partially clogged burner orifices.	3. Clean burner or replace burner orifice.
No gas to pilot.	<ol> <li>LP regulator shut down due to inlet pressure too high.</li> </ol>	<ol> <li>Verify LP tank regulator is installed and set at 11" to 13" w.c.</li> <li>Replace regulator on heater.</li> </ol>

If the gas quality is bad, your pilot may not stay lit, the burners may produce soot and the heater may backfire when lit. If the gas quality or pressure is low, contact your local gas supplier immediately.



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**Service Parts** 

#### **PH18**

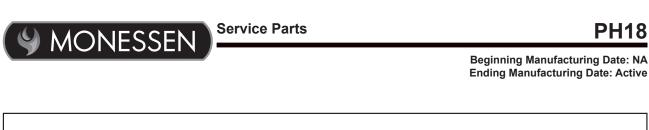
Beginning Manufacturing Date: NA Ending Manufacturing Date: Active

IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or
distributor. Hearth and Home Technologies does not sell directly to consumers. Provide
model number and serial number when requesting service parts from your dealer or distributor.



distributor. <b>Hearth and Home Technologies does not sell directly to consumers</b> . Provide model number and serial number when requesting service parts from your dealer or distributor.				
ITEM	DESCRIPTION	COMMENTS	PART NUMBER	1
4	Dumon.	NG	SRV65D1053	
1	Burner	Propane	SRV65D1054	
		NG	SRV26D2529	Y
	ODS Pilot Assembly (Manual Control)	Propane	SRV14D0476	Y
2		NG	SRV14D0473	Y
	ODS Pilot Assembly (Millivolt Control)	Propane	SRV14D0477	Y
	Pilot Tube		49D0050K	Y
3	Grate		65D2001K	
4	Piezo Ignitor		SRV14D0503	Y
	Piezo Wire		SRV00K0632	Y
5	On/Off Switch	Millivolt Control	SRV32D0232	Y
6	Knob Control	Manual Control	SRV18D0603	
7	Knob Extension, On/Off	Millivolt Control	SRV37D0010	
8	Knob Extension, Hi/Lo	Millivolt Control	SRV37D0011	
		NG	SRV65D2039	Y
9	Regulator (Manual Control)	Propane	SRV24D0306	Y
4.0		NG	SRV30D0201	Y
10	Control Valve (Manual Control)	Propane	SRV30D0202	
		NG	SRV14D0467	Y
11	Control Valve (Millivolt Control)	Propane	SRV14D0468	Y
	Injector, Manual Control	NG	SRV56D0613	
		Propane	SRV20H3144	
12		NG	SRV58D0051	Y
	Injector, Millivolt Control	Propane	SRV20H3144	
	Regulator to Valve Tube	Manual Control	SRV65D1004	Y
		No longer available	65D1005K	
	Valve to Burner Tube	Millivolt Control	65D1007K	
	Pilot Regulator (Millivolt Control)	NG Only	SRV14D0469	Y

**PH18** 



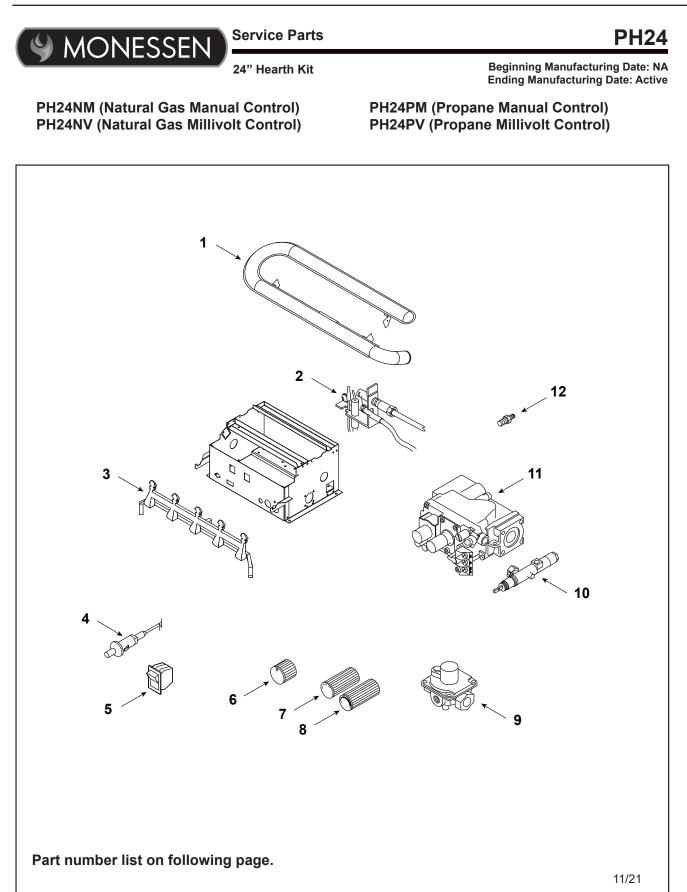


distributor. Hearth and Home Technologies does not sell directly to consumers. Provide model number and serial number when requesting service parts from your dealer or distributor.



Stocked at Depot

				at Dopot
ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
13	Log Assembly (Required to complete burner assembly, Sold seperately)	18" Mountain Cedar	PH18R	
13.1	Rear Log		20303849K	
13.2	Left Middle Log		20303850K	
13.3	Right Middle Log		20303851K	
13.4	Front Log		20303852K	
13.5	Left Top Log		20303853K	
13.6	Right Top Log		20303854K	



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#### **Service Parts**

**PH24** 

Beginning Manufacturing Date: NA Ending Manufacturing Date: Active

ITEM	Imber and serial number when requesting service parts fr DESCRIPTION	COMMENTS	PART NUMBER	at Depot	
		NG	SRV65D1055	Y	
1	Burner	Propane	SRV65D1056		
		NG	SRV26D2529	Y	
	ODS Pilot Assembly (Manual Control)	Propane	SRV14D0476	Y	
2		NG	SRV14D0473	Y	
	ODS Pilot Assembly (Millivolt Control)	Propane	SRV14D0477	Y	
	Pilot Tube		49D0050K	Y	
3	Grate		65D2002K		
4	Piezo Ignitor		SRV14D0503	Y	
	Piezo Wire		SRV00K0632	Y	
5	On/Off Switch	Millivolt Control	SRV32D0232	Y	
6	Knob Control	Manual Control	SRV18D0603		
7	Knob Extension, On/Off	Millivolt Control	SRV37D0010		
8	Knob Extension, Hi/Lo	Millivolt Control	SRV37D0011		
		NG	SRV65D2039	Y	
9	Regulator (Manual Control)	Propane	SRV24D0306	Y	
40		NG	SRV30D0201	Y	
10	Control Valve (Manual Control)	Propane	SRV30D0202		
44		NG	SRV14D0467	Y	
11	Control Valve (Millivolt Control)	Propane	SRV14D0468	Y	
	leisster Manuel Osutral	NG	SRV20H3152		
10	Injector, Manual Control	Propane	SRV57D0612	Y	
12	Injector, Millivolt Control	NG	SRV57D0209	Y	
		Propane	SRV57D0612	Y	
	Regulator to Valve Tube	Manual Control	SRV65D1004	Y	
		Manual Control	65D1006K		
	Valve to Burner Tube	Millivolt Control	65D1008K		
	Pilot Regulator (Millivolt Control)	NG Only	SRV14D0469	Y	
				1	
				1	
				1	
				1	
				1	
				1	

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# Sector Monessen

Service Parts

#### **PH24**

Beginning Manufacturing Date: NA Ending Manufacturing Date: Active

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IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. <b>Hearth and Home Technologies does not sell directly to consumers</b> . Provide model number and serial number when requesting service parts from your dealer or distributor.					
ITEM	DESCRIPTION	COMMENTS	PART NUMBER		
	13.5 13.2 13.4	6 			
13	Log Assembly (Required to complete burner assembly, Sold seperately)	24" Mountain Cedar	PH24R		
13.1	Rear Log		20303855K		
13.2	Left Middle Log		20303856K		
13.3	Right Middle Log		20303857K		
13.4	Front Log		20303858K		
13.5	Left Top Log		20303859K		
13.6	Right Top Log		20303860K		
			4.3		
14	Log Assembly (Required to complete burner assembly, Sold seperately)	30" Mountain Cedar	PH30R		
14.1	Rear Log		65D2015K		
14.2	Left Middle Log		65D2017K		
14.3	Right Middle Log		65D2018K		
14.4	Front Log		65D2016K		
14.5	Left Top Log		65D2013K		
14.6	Right Top Log		65D2014K		

#### Accessories

Flex Connector	Flexcon 30	All Models
Wall Switch Kit	MVSW	Millivolt Only
Wall Thermostat Kit	WT	Millivolt Only
Remote Controls	RCMT, RCB, RCBE	Millivolt Only
Thermostat Remote Contr	rols RCT, RCST, RCSITE, WWTA, WWTD	Millivolt Only

#### Please read and follow these special requirements

#### NOTE REGARDING VENTED PRODUCTS

This product must be installed by a licensed plumber or gas fitter when installed within the Commonwealth of Massachusetts.

Any residence with a direct vent product must have a carbon monoxide (CO) detector installed in the residence.

Installation of the fireplace or vented gas log in the State of Massachusetts requires the damper to be permanently removed or welded in the fully open position.

In addition, a naturally vented gas log may not be installed in a bedroom or bathroom in the State of Massachusetts.

Flex line installation must not exceed 36 inches and must have a T shutoff valve.

#### NOTE REGARDING VENT FREE PRODUCTS

This product must be installed by a licensed plumber or gas fitter when installed within the Commonwealth of Massachusetts.

In addition, vent free products may not be installed in a bedroom or bathroom regardless of size or type in the State of Massachusetts.

Flex line installation must not exceed 36 inches and must have a T shutoff valve.

#### CARBON MONOXIDE DETECTOR REQUIREMENTS

(2) Revise 10.8.3 by adding the following additional requirements:

(a) For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. **Installation of carbon monoxide detectors.** At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed. 2. **Approved Carbon Monoxide Detectors.** Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. **Signage.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS."

4. **Inspection.** The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) **Exemptions:** The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) Manufacturer requirements — Gas Equipment Venting System Provided. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) **Manufacturer requirements — Gas Equipment Venting System Not Provided.** When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems," the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design

#### Hearth & Home Technologies LLC LIMITED LIFETIME WARRANTY

Hearth & Home Technologies LLC ("HHT") extends the following warranty for HHT gas, wood, pellet and electric hearth appliances (each a "Product" and collectively, the "Product(s)") and certain component parts set forth in the table below ("Component Part(s)") that are purchased from a HHT authorized dealer or distributor.

#### WARRANTY COVERAGE:

HHT warrants that the Products and their Component Parts will be free from defects in materials and workmanship for the applicable period of Warranty coverage set forth in the table below ("Warranty Period"). If a Product or Component Parts are found to be defective in materials or workmanship during the applicable Warranty Period, HHT will, at its option, repair the applicable Component Part(s), replace the applicable Component Part(s), or refund the purchase price of the applicable Product(s). The maximum amount recoverable under this Warranty is limited to the purchase price of the Product. This Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer. This Warranty is subject to conditions, exclusions, and limitations as described below.

#### WARRANTY PERIOD:

Warranty coverage begins at the date of installation. In the case of new home constructions, Warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the Product(s) by an independent, authorized HHT dealer or distributor, whichever occurs earlier. However, the Warranty coverage shall commence no later than 24 months following the date of Product shipment from HHT, regardless of the installation or occupancy date.

The term "Lifetime" in the table below is defined as: 20 years from the beginning date of warranty coverage for gas appliances, 10 years from the beginning date of warranty coverage for wood and pellet appliances, and 5 years from the beginning of warranty coverage for standalone gas log sets. These time periods reflect the minimum expected useful lives of the designated Component Parts under normal operating conditions.

Warranty Period		HHT Manufactured Appliances and Venting						
Component Parts	Labor	Gas	Pellet	Wood	Electric	Venting	Component Parts Covered by this Warranty	
1 Year		х	x	x		x	All parts including handles, external enameled components and other material except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed	
2 Years					x		All parts except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed	
			x	x			Igniters, Auger Motors, Electronic Components, and Glass	
2 years		х					Electrical components limited to modules, remotes/wall switches, valves, pilots, blowers, junction boxes, wire harnesses, transformers and lights (excluding light bulbs)	
		х		х			Molded Refractory Panels, Glass Liners	
		Firepots, burnpots, mechanical feeders/auger assemblies						
5 years		х					Burners and logs for standalone gas log sets (Vented and Vent Free gas log sets not sold as components of the fireplace or stove)	
5 years 1 year		х					Vent Free Burners and Vent Free Log components of HHT manufactured fireplaces or stoves	
- ,	,		х	х			Castings, Medallions and Baffles	
6 years	3 years			х			Catalysts	
7 years	3 years		х	х			Manifold tubes, HHT Chimney and Terminations	
10 years	1 year	х					Burners, logs and refractory components of HHT manufactured fireplaces or stoves	
Limited Lifetime	3 years	x	x	x			Firebox and heat exchanger, FlexBurn® System (engine, inner cover, access cover and fireback)	
1 Year	None	x	x	x	x	x	All purchased replacement parts	

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#### WARRANTY CONDITIONS:

- Because HHT cannot control the quality of any Products sold by unauthorized sellers, this Warranty only covers Products that are purchased through an HHT authorized dealer or distributor unless otherwise prohibited by law; a list of HHT authorized dealers is available on the HHT branded websites.
- This Warranty is only valid while the applicable Product remains at the site of original installation.
- This Warranty is only valid in the country in which the HHT authorized dealer or distributor that sold the applicable Product is authorized to sell applicable Product.
- Contact your installing distributor or dealer for Warranty service. If the installing dealer or distributor is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking Warranty service from a dealer other than the dealer from whom you originally purchased the applicable Product.
- No HHT consumer should bear cost of warranty service or costs incurred while servicing warranty claims (i.e., travel, gas, or mileage) when the service is performed within the terms of this Warranty. Check with your dealer or distributor in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this Warranty.

#### WARRANTY EXCLUSIONS:

This Warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under the Warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the Warranty Period are not covered. These parts include: paint, wood and pellet gaskets, firebricks, grates, flame guides, batteries and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this Warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the applicable Product in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the applicable Product; (2) failure to install the applicable Product in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operation instructions; (7) installation or use of components not supplied with the applicable Product or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT; not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the applicable Product.
- Non-HHT venting components, hearth connections or other accessories used in conjunction with the applicable Product.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas applicable Product is installed.
- HHT's obligation under this Warranty does not extend to the Product's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper Product for the application. Consideration must be given to the Product location and configuration, environmental conditions, insulation and air tightness of the structure.

#### This warranty is void if:

- The applicable Product has been over-fired, operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, deformation/warping of interior cast iron structure or components, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The applicable Product is subjected to prolonged periods of dampness or condensation.
- There is any damage to the applicable Product due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

#### LIMITATIONS OF REMEDIES AND LIABILITY:

EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. The owner's exclusive remedy and HHT's sole obligation under this Warranty or in contract, tort or otherwise, shall be limited to replacement of the Component Part(s), repair of the Component Part(s), or refund of the original purchase price of the applicable Product(s), as specified above; provided, however, that (i) if HHT is unable to provide replacement of the Component Part(s) and repair of the Component Part(s) is not commercially practicable or cannot be timely made, or (ii) the customer is willing to accept a refund of the purchase price of the applicable Product(s), HHT may discharge all such obligations by refunding the purchase price of the applicable Product. In no event will HHT be liable for any incidental or consequential damages caused by defects in the applicable Product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from State to State. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE FOR THE APPLICABLE PRODUCT. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.



# LOVE AT FIRST LIGHT

Monessen, a brand of Hearth & Home Technologies 7571 215th Street West, Lakeville, MN 50044 www.monessenhearth.com

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