

Owner's Manual

Care and Operation

INSTALLER: Leave this manual with party responsible for use and operation.

OWNER: Retain this manual for future reference.

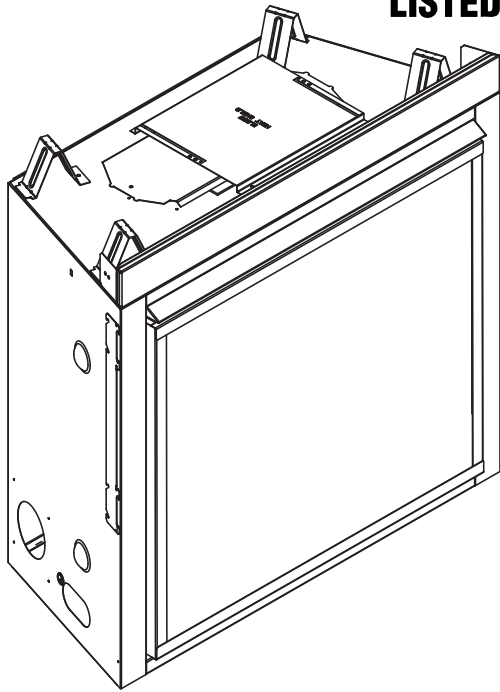
Contact your dealer with questions regarding installation, operation or service.

NOTICE: DO NOT discard this manual!

HEARTH & HOME
technologies®

Models:
MDV3732-C

GAS-FIRED



This appliance may be installed as an OEM installation in manufactured home (USA only) or mobile home and must be installed in accordance with the manufacturer's instructions and the *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280* in the United States, or the *Standard for Installation in Mobile Homes, CAN/CSA Z240 MH Series*, in Canada.

This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

⚠ WARNING:

FIRE OR EXPLOSION HAZARD

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

- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
 - **DO NOT** try to light any appliance.
 - **DO NOT** touch any electrical switch. **DO NOT** use any phone in your building.
 - Leave the building immediately.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

⚠ DANGER



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

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

In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.

See appliance installation manual for location of additional Commonwealth of Massachusetts requirements.

1 Welcome

Read this manual before operating this appliance.
Please retain this Owner's Manual for future reference.

Read the Installation Manual before making any installation or finishing changes.

A. Congratulations

Congratulations on selecting a Hearth & Home Technologies gas fireplace, an elegant and clean alternative to wood burning fireplaces. The gas fireplace you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new fireplace, you'll want to read and carefully follow all of the instructions contained in this owner's manual. Pay special attention to all cautions and warnings.

This owner's manual should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

The information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems.

Your new Hearth & Home Technologies gas fireplace will give you years of durable use and trouble-free enjoyment. Welcome to the Hearth & Home Technologies family of fireplace products!

Local Dealer Information

DEALER: Fill in your name, address, phone and email information here and appliance information below.

Dealer Name: _____
 Address: _____

 Phone: _____
 Email: _____

Appliance Information:

Brand: _____ Model Name: _____
 Serial Number: _____ Date Installed: _____

Listing Label Information/Location

The model information regarding your specific fireplace can be found on the rating plate usually located in the control area of the fireplace.

HEARTH & HOME technologies Hearth & Home Technologies
7571 215th Street West, Lakeville, MN 55044

GAS-FIRED
UL LISTED

Not for use with solid fuel.
(Ne doit pas être utilisé avec un combustible solide).

Type of Gas (Sorte De Gaz): This appliance must be installed in accordance with local codes, if any; if not, follow ANSI Z223.1 in the USA or CAN/CGA B149 installation codes. (Installer l'appareil selon les codes ou règlements locaux ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149.)

NATURAL GAS ANSI Z21XX-XXXX · CSA 2.XX-MXX · UL307B

Minimum Permissible Gas Supply for Purposes of Input Adjustment.

Approved Minimum (De Gaz) Acceptable	0.0 in w.c.	(Po. Col. d'eau)
Maximum Pressure (Pression)	0.0 in w.c.	(Po. Col. d'eau)
Maximum Manifold Pressure (Pression)	0.0 in w.c.	(Po. Col. d'eau)
Minimum Manifold Pressure (Pression)	0.0 in w.c.	(Po. Col. d'eau)

Total Electrical Requirements: 000Vac, 00Hz., less than 00 Amperes **MADE IN USA**

ALTITUDE:	0-0000 FT.	IN CANADA	0000-0000FT.	Model:	XXXXXXXX
MAX. INPUT BTUH:	00,000		00,000	(Modele):	
MIN. INPUT BTUH:	00,000		00,000	Serial	XXXXXXXX
ORIFICE SIZE:	#XXXXX		#XXXXX	(Serie):	

▲ Safety Alert Key:

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **NOTICE:** Used to address practices not related to personal injury.

→ **Note:** The term “recommend” or “recommended” does not indicate a requirement. It is a best practice suggested by Hearth & Home Technologies®.

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→ = Contains updated information.

→ B. Limited Lifetime Warranty

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, and 10 years from the beginning date of warranty coverage for wood and pellet appliances. 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		X	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	
2 years			X	X			Igniters, Auger Motors, Electronic Components, and Glass	
		X					Electrical components limited to modules, remotes/wall switches, valves, pilots, blowers, junction boxes, wire harnesses, transformers and lights (excluding light bulbs)	
		X		X			Molded Refractory Panels, Glass Liners	
3 years			X				Firepots, burnpots, mechanical feeders/auger assemblies	
5 years	1 year	X					Vent Free Burners, Vent Free Logs	
			X	X			Castings, Medallions and Baffles	
6 years	3 years			X			Catalysts	
7 years	3 years		X	X			Manifold tubes, HHT Chimney and Terminations	
10 years	1 year	X					Burners, logs and refractory	
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	

B. Limited Lifetime Warranty (continued)

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 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.**

2 Product Specific Information

A. Appliance Certification

MODELS: MDV3732-C

LABORATORY: Underwriters Laboratories, Inc. (UL)

TYPE: Direct Vent Heater

→ **STANDARD:** CSA / ANSI Z21.88-2019 • CSA 2.33-2019

This product is listed to ANSI standards for “Vented Gas Fireplace Heaters” and applicable sections of “Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles”, and “Gas Fired Appliances for Use at High Altitudes”.

NOTICE: This installation must conform with local codes. In the absence of local codes you must comply with the National Fuel Gas Code, ANSI Z223.1-latest edition in the U.S.A. and the CAN/CGA B149 Installation Codes in Canada.

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.

Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies recommends NFI certified professionals.



C. BTU Specifications

Models		Maximum Input BTU/h	Minimum Input BTU/h	Orifice Size (DMS)
MDV3732-C (NG)	(0-2000 FT)	19,000	13,500	#45
MDV3732-C (Propane)	(0-2000 FT)	18,000	14,500	#55

B. Glass Specifications (Tempered)

Hearth & Home Technologies appliances manufactured with tempered glass may be installed in hazardous locations such as bathtub enclosures as defined by the Consumer Product Safety Commission (CPSC). The tempered glass has been tested and certified to the requirements of **ANSI Z97.1** and **CPSC 16 CFR 1202** (Safety Glazing Certification Council **SGCC# 1595** and **1597**. Architectural Testing, Inc. Reports **02-31919.01** and **02-31917.01**).

This statement is in compliance with **CPSC 16 CFR Section 1201.5** “Certification and labeling requirements” which refers to **15 U.S. Code (USC) 2063** stating “...Such certificate shall accompany the product or shall otherwise be furnished to any distributor or retailer to whom the product is delivered.”

Some local building codes require the use of tempered glass with permanent marking in such locations. Glass meeting this requirement is available from the factory. Please contact your dealer or distributor to order.

3 Important Safety and Operating Information

A. Appliance Safety

WARNING! DO NOT operate fireplace before reading and understanding operating instructions. Failure to operate fireplace according to operating instructions could cause fire or injury.



HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

- Keep children away.
- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

High temperatures may ignite clothing or other flammable materials.

- Clothing, furniture, draperies, and other flammable materials must not be placed on or near the appliance.

→ **A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals. DO NOT operate the appliance with the barrier removed. If the barrier becomes damaged, the barrier must be replaced with the manufacturer's barrier for this appliance.**

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

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.
- Install a switch lock or a wall/remote control with child protection lockout feature.
- Keep remote controls out of reach of children.
- Never leave children alone near a hot fireplace, whether operating or cooling down.
- Teach children to NEVER touch the fireplace.

- Consider not using the fireplace when children will be present.

Contact your dealer for more information, or visit: www.hpba.org/Product-Info/Fireplace-Stove-Heater/Glass-Fronts-Safety.

To prevent unintended operation when not using your fireplace for an extended period of time (summer months, vacations, trips, etc):

- Remove batteries from remote controls.
- Turn off wall controls.
- Unplug 3 volt adapter plug (IPI) and remove batteries on IPI models.



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.

Clear Space

WARNING! DO NOT place combustible objects in front of the fireplace or block fireplace openings. High temperatures could start a fire. See Figure 3.1.

Avoid placing candles and other heat-sensitive objects on mantel or hearth. Heat could damage these objects.

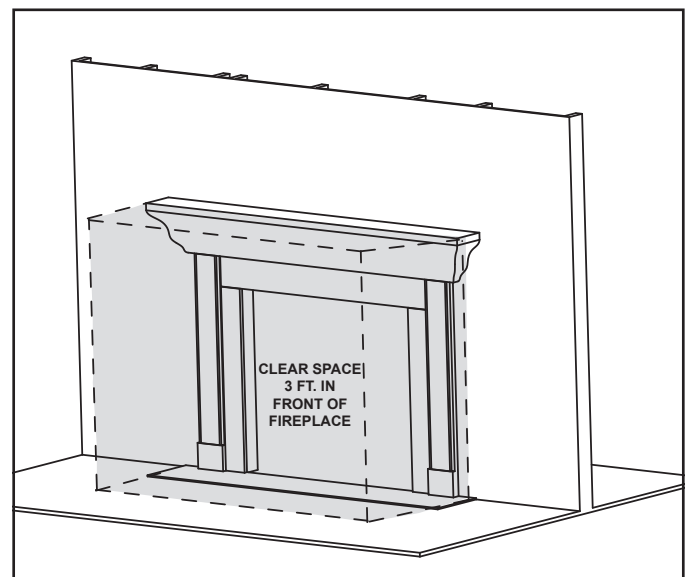


Figure 3.1 Clear Space Requirement - All Models

B. General Operating Parts

Figure 3.2 references the general operating parts of the appliance and the section of this manual in which they are discussed.

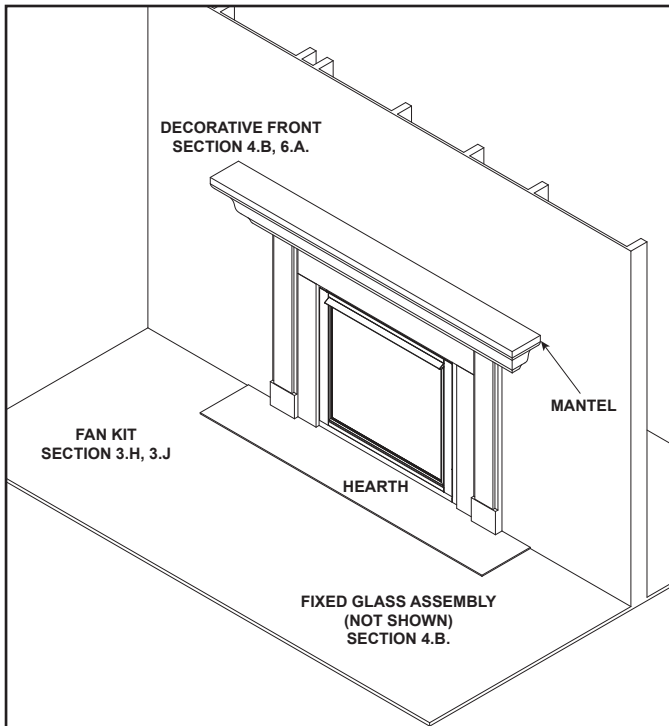


Figure 3.2 General Operating Parts

C. Fuel Specifications

WARNING! Risk of Fire or Explosion! Appliance must be set up for compatible gas type!

- This appliance is designed to operate on either natural gas or propane. Make sure the appliance is compatible with gas type selected for installation site.
- Conversions must be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

D. Good Faith Wall Surface/TV Guidelines

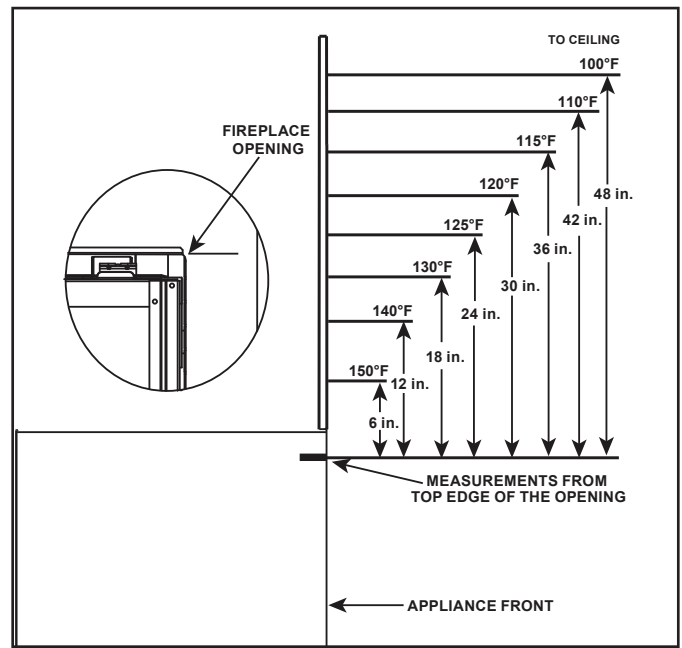
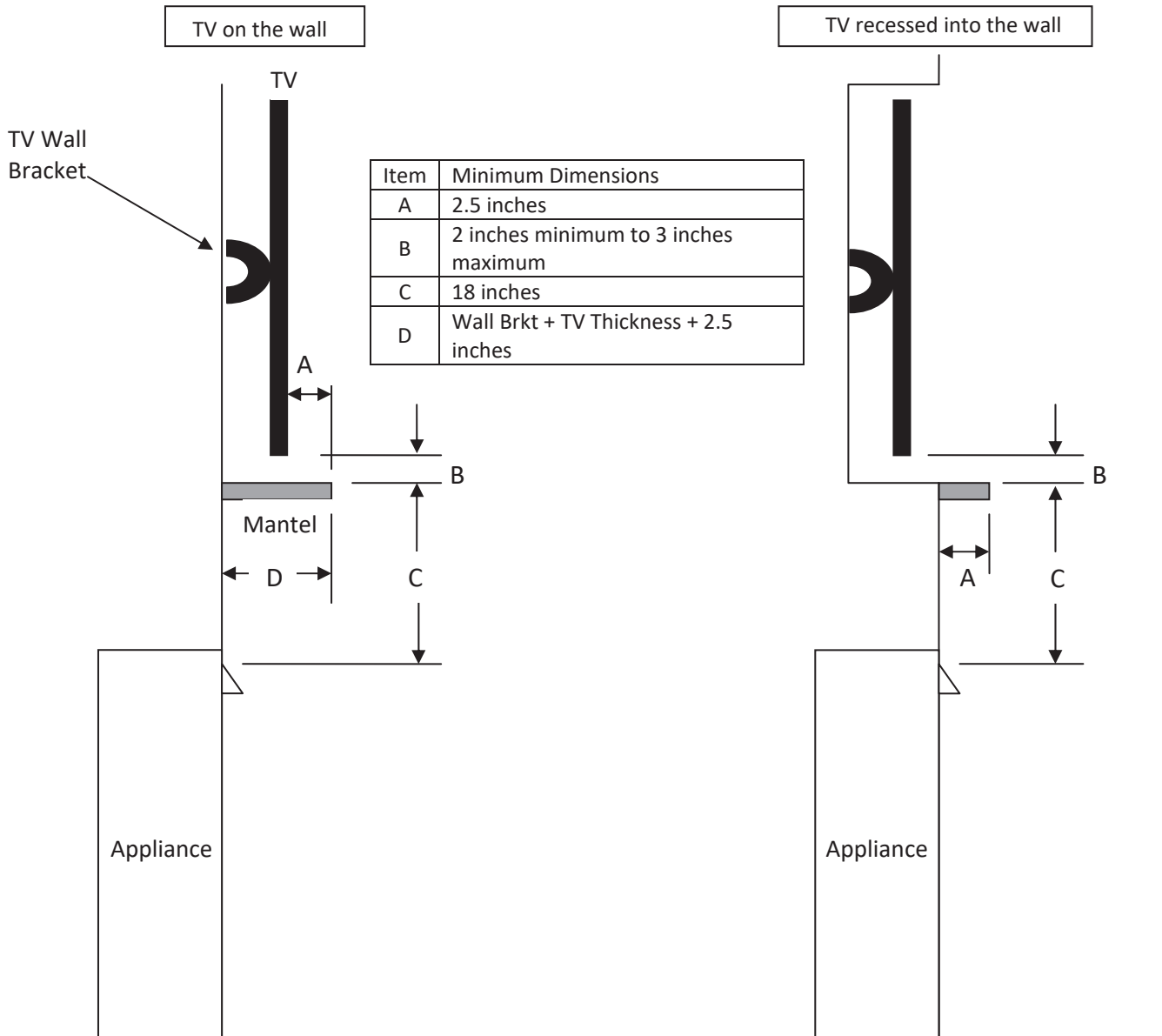


Figure 3.3. Good Faith Wall Surface Temperatures Above Appliance

NOTICE: Surface temperatures listed above are taken with a temperature measuring probe as prescribed by the test standard used for appliance certification. Temperatures on walls or mantels taken with an infrared thermometer may yield increased temperatures of up to 30 °F (17 °C) or more depending on the thermometer settings and material characteristics being measured. Use appropriate finishing materials that are able to withstand these conditions. For additional finishing guidelines, see Section 10 in the appliance installation manual.

Good Faith Guidelines for TV Installations above Appliance



Notes:

1. These are good faith recommended clearances only and not a guarantee of compliance with all TV manufacturers' maximum allowable operating temperatures.
2. Since every home has unique air flow characteristics and maximum allowable operating temperatures can vary from manufacturer to manufacturer and from model to model, actual TV temperatures should be validated at the time of each installation. TVs should not be used in situations where the actual TV temperature exceeds the manufacturers' maximum allowable operating temperatures identified in the TV's technical specifications. Contact the TV's manufacturer directly if you cannot locate this information or have questions regarding the information.
3. Mantel height and depth must conform to mantel requirements specified in the appliance installation manual.
4. "C" dimension taken from the top of the hood or appliance opening.
5. Suggestions on how to further reduce TV temperatures:
 - a. Increase "A" dimension.
 - b. Increase "C" dimension, however, increasing "B" dimension beyond maximum recommended typically results in higher temperatures.

→ Figure 3.4. Good Faith TV Guidelines

E. Before Lighting Appliance

Before operating this fireplace for the first time, **have a qualified service technician:**

- Verify all shipping materials have been removed from inside and/or underneath the firebox.
- Review proper placement of logs, ember material and/or other decorative materials.
- Check the wiring.
- Check the air shutter adjustment.
- Ensure that there are no gas leaks.
- Ensure that the glass is sealed and in the proper position and that the integral barrier is in place.

WARNING! Risk of Fire or Asphyxiation! DO NOT operate fireplace with fixed glass assembly removed.

→ F. Lighting Instructions (IPI)

The IPI system may be operated with two D-cell batteries. When using batteries, unplug the transformer. To prolong battery life, remove them when using the transformer.

FOR YOUR SAFETY READ BEFORE LIGHTING



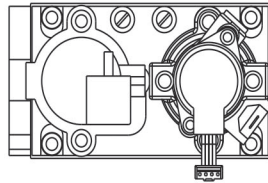
WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance is equipped with an intermittent pilot ignition (IPI) device which automatically lights the burner. **DO NOT** try to light the burner by hand.
 - B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS**
- **DO NOT** try to light any appliance.
 - **DO NOT** touch any 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, **DO NOT** 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 has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS (IPI)

1. This appliance is equipped with an ignition device which automatically lights the burner. **DO NOT** try to light the burner by hand.
2. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, **STOP!** Follow "B" in the Safety Information located on the top of this label. If you do not smell gas, go to next step.
3. To light the burner:
Equipped with wall switch: Turn ON/OFF switch to ON.
Equipped with remote or wall control: Press ON or FLAME button.
Equipped with thermostat: Set temperature to desired setting.
4. If the appliance does not light after three tries, call your service technician or gas supplier.

GAS VALVE



TO TURN OFF GAS TO APPLIANCE

1. Equipped with wall switch: Turn ON/OFF switch to OFF.
Equipped with remote or wall control: Press OFF button.
Equipped with thermostat: Set temperature to lowest setting.
2. Service technician should turn off electric power to the control when performing service.



DANGER



**HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.**

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

WARNING:

DO NOT CONNECT LINE VOLTAGE (110/120 VAC OR 220/240 VAC) TO THE CONTROL VALVE.

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.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.



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.

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

CAUTION:

Hot while in operation. **DO NOT** touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

DO NOT operate the appliance with fixed glass assembly removed, cracked or broken. Replacement of the fixed glass assembly should be done by a licensed or qualified service person.

NOT FOR USE WITH SOLID FUEL

For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this appliance to the alternate fuel.

Also Certified for Installation in a Bedroom or a Bedsitting Room.

This appliance must be installed in accordance with local codes, if any; if none, follow the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *National Gas and Propane Installation code, CSA B149.1*.

**For additional information on operating your
Hearth & Home Technologies fireplace, please
refer to www.hearthnhome.com.**

593-913K

G. Appliance Break-In

NOTICE! Open windows for air circulation during fireplace break-in.

- Some people may be sensitive to smoke and odors.
- Smoke detectors may activate.

Follow the initial break-in procedure below to cure the materials used to manufacture the fireplace and the finishing materials around it.

- The fireplace should be run three to four hours continuously on high.
- Turn the fireplace off and allow it to cool completely.
- Remove fixed glass assembly. See Section 4.B.
- Clean fixed glass assembly. See Section 4.B.
- Replace the fixed glass assembly.

Note: Some installations may require additional run time to cure. If odors persist after the initial break-in period, run the fireplace for an additional three to four hours continuously on high.

Note: Some IPI systems have a safety feature that automatically shuts down the fireplace after 9 hours of continuous operation without receiving a command from the remote control. If this occurs, restart the appliance.

H. Heat Management

Heat Output

The MDV3732-C model has a variable burn rate which is controlled by the HI/LO knob on the gas valve. Therefore the flame height is adjustable. The HI/LO knob is shown in Figure 3.5. It is located in the control cavity of the appliance. The HI/LO knob may be adjusted as desired by turning clockwise to the HIGH position and by turning counterclockwise to the LO position.

Fan

WARNING! Risk of Injury! DO NOT contact blower wheel (fan blades) during operation.

Ignite the fire in the fireplace with the variable speed control switch in an "ON" position. The fan will automatically turn on when the temperature sensor switch closes at approximately 110° F. The fan will continue to operate after the fireplace is turned OFF until the sensor switch opens.

Various conditions (such as fireplace model, type of fireplace installation, outside air temperature vs. inside air temperature) can contribute to the length of the time the blower remains on after the fireplace is turned OFF. The blower can be turned off manually with the speed control switch.

The fan speed is controlled by adjusting the speed control knob. Turn the knob to increase the fan speed as desired.

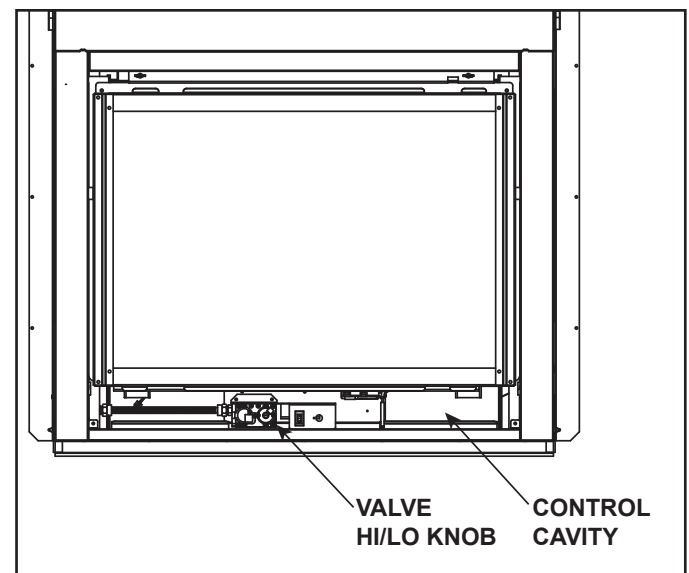


Figure 3.5 Control Cavity/Valve Location

I. Operation During A Power Outage (IPI)

The IntelliFire® intermittent pilot ignition system comes with a battery backup system that enables the system to operate in a power outage. A factory-installed battery pack is located in the control cavity of the appliance. See Figure 3.5. Batteries should not be placed in the battery tray while using electrical power to operate the fireplace. Remove batteries from battery tray when power has been restored.

NOTICE: Batteries should only be used as a power source in the event of an emergency power outage. Batteries should not be used as a primary long-term power source.

To Operate Fireplace Using Battery Power (DC):

1. Access the control cavity of the appliance. See Figure 3.5 for location. The decorative front or door may need to be removed.
2. Locate the battery tray and insert two D cell batteries. Battery polarity must be correct or module damage will occur. A complete wiring diagram is included in the Electrical section of the Appliance Installation Manual.
3. Turn the appliance on according to the instructions below for the factory-Installed Remote Control (SMART-STAT) located in Section 6 of this manual:
 - Locate the remote receiver in the control cavity of the appliance.
 - Slide the switch to the ON position.

NOTICE: Some functionality will be lost when using battery backup including remote control, fan, or any other auxiliary functions that require household 110-120 VAC power.

To Return to Operation Using Electrical (AC) Power:

Factory-Installed Remote Control (SMART-STAT):

- Locate the remote receiver in the control cavity of the appliance.
- Remove the batteries from the battery pack.
- Slide the switch to the REMOTE position. See Figure 3.6.

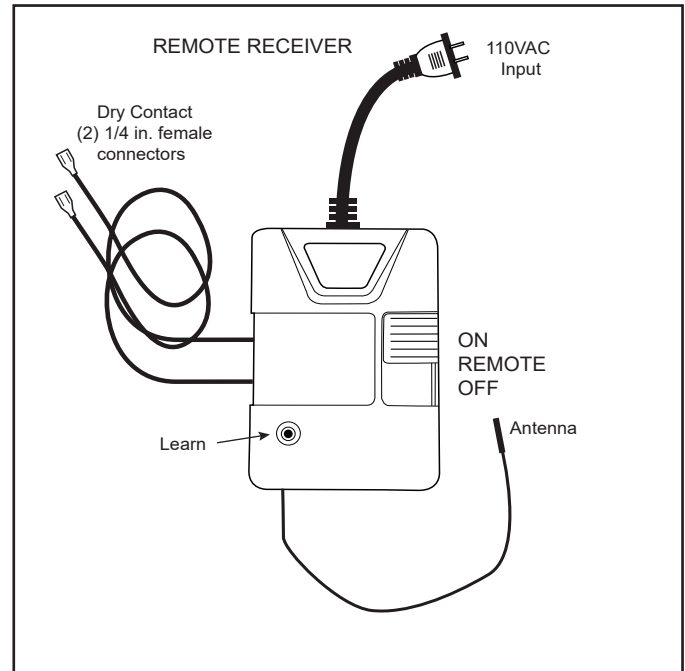


Figure 3.6 Remote Receiver



J. Detailed Component Operating Instructions - IntelliFire®

IntelliFire® Ignition System

IntelliFire, an ignition system exclusively featured in Hearth & Home Technologies products, is an energy-saving pilot ignition system for gas fireplaces and inserts. It provides an ignition flame only when needed and has a battery backup system that supplies power to spark the ignition flame in the event of a power outage.

Intellifire is an intermittent pilot ignition, which is an electronic system. The term Intermittent is used because the pilot burner flame is only present when the main burner is operating. When the main burner is off the pilot is also off.

NOTICE: Batteries should not be placed in the battery pack while using the transformer. Remove batteries before using the transformer, and unplug the transformer before installing the batteries. Battery polarity must be correct or module damage will occur.

Fan

The MDV3732-C comes standard with a factory-installed fan. Heat management for the fan is discussed in Section 3.H. Detailed instructions are included with the fan kit.

Appliance ON/OFF

The MDV3732-C comes standard with a factory-installed SMART-STAT remote control. Refer to SMART-STAT information included in Section 6.C.

To operate the appliance without a remote control, an ON/OFF switch may be installed and located inside the control cavity of the appliance. See Figure 3.7. The decorative front must be removed to access the control cavity.

CAUTION! Risk of Electric Shock! Avoid touching wires and electrical components in appliance control cavity.

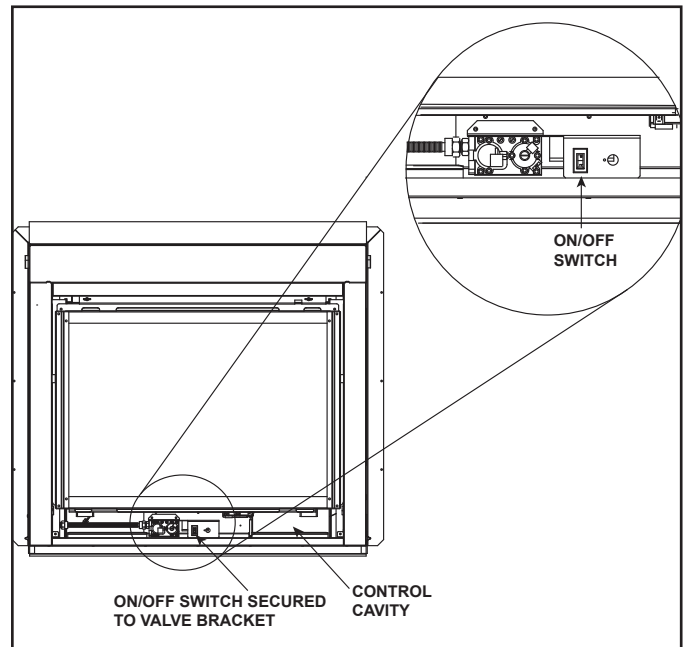


Figure 3.7 ON/OFF Switch Location

4 Maintenance and Service

Any safety screen or guard removed for servicing must be replaced prior to operating the fireplace.

When properly maintained, your fireplace will give you many years of trouble-free service. **Contact your dealer** to answer questions regarding proper operation, troubleshooting and service for your appliance. Visit www.hearthnhome.com to locate a dealer. We recommend annual service by a qualified service technician.

A. Maintenance: Frequency and Tasks

Task	Frequency	To be completed by
Glass Cleaning	Seasonally	Homeowner
Decorative Fronts	Annually	
Remote Control	Seasonally	
Fan	Seasonally	
Venting	Seasonally	
Gasket Seal and Glass Inspection	Annually	Qualified Service Technician
Log Inspection	Annually	
Firebox Inspection	Annually	
Control Compartment & firebox Top	Annually	
Burner Ignition & Operation	Annually	

B. Maintenance Tasks - Homeowner

Installation and repair should be done by a qualified service technician only. The appliance should be inspected before use and at least annually by a professional service person.

The following tasks may be performed annually by the homeowner. If you are uncomfortable performing any of the listed tasks, please call your dealer for a service appointment.

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. Any safety screen, guard, or barrier removed for servicing the appliance must be replaced prior to operating the appliance.

CAUTION! Risk of Burns! The fireplace shall be turned off and cooled before servicing.

Glass Cleaning

Frequency: Seasonally

By: Homeowner

Tools Needed: Protective gloves, glass cleaner, drop cloth and a stable work surface.

CAUTION! Handle fixed glass assembly with care. Glass is breakable.

- Avoid striking, scratching or slamming glass
- **DO NOT** use abrasive cleaners
- **DO NOT** clean glass while it is hot

- Prepare a work area large enough to accommodate fixed glass assembly and door frame by placing a drop cloth on a flat, stable surface.

Note: Fixed glass assembly and gasketing may have residue that can stain carpeting or floor surfaces.

- Remove door or decorative front from fireplace and set aside on work surface.

WARNING! Risk of Asphyxiation! Handle fixed glass assembly with care. Inspect the gasket to ensure it is undamaged and inspect the glass for cracks, chips or scratches.

- **DO NOT** strike, slam or scratch glass.
- **DO NOT** operate fireplace with glass removed, cracked, broken or scratched.
- Replace as a complete assembly.

Removing Fixed Glass Assembly

- Pull the four glass assembly latches out of the groove on the glass frame. Remove glass door from the appliance. See Figure 4.1.

Replacing Fixed Glass Assembly

- Replace the glass door on the appliance. Pull out and latch the four glass assembly latches into the groove on the glass frame.
- Clean glass with a non-abrasive commercially available cleaner.
 - Light deposits: Use a soft cloth with soap and water
 - Heavy deposits: Use commercial fireplace glass cleaner (consult with your dealer)
- Carefully set fixed glass assembly in place on fireplace. Hold glass in place with one hand and secure glass latches with the other hand.
- Inspect and operate all glass latches to ensure they move freely and no obstructions are present.
- Reinstall door or decorative front.

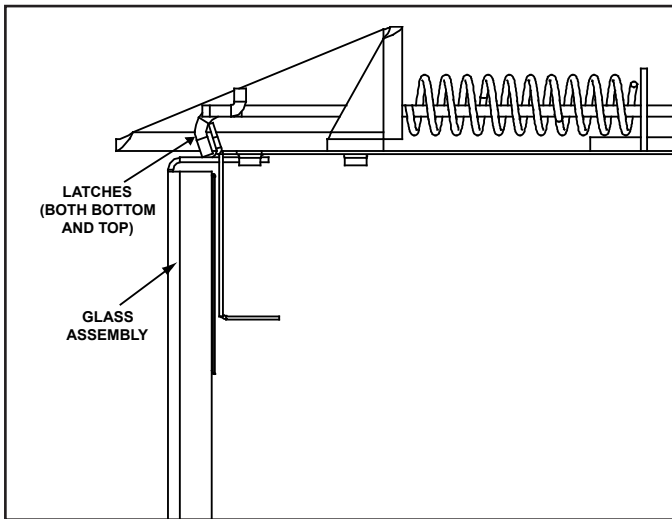


Figure 4.1 Fixed Glass Assembly

Decorative Front

Frequency: Annually

By: Homeowner

Tools needed: Protective gloves, stable work surface

- Assess condition of screen and replace as necessary.
- Inspect for scratches, dents or other damage and repair as necessary.
- Check that mesh is not obstructed.
- Vacuum and dust surfaces.

Remote Control

Frequency: Seasonally

By: Homeowner

Tools needed: Replacement batteries and remote control instructions.

- Locate remote control transmitter and receiver.
- Verify operation of remote. Refer to remote control operation instructions for proper calibration and setup procedure.
- • Replace batteries as needed in remote transmitters and battery-powered receivers.
- Place remote control out of reach of children.

If not using your fireplace for an extended period of time (summer months, vacations/trips, etc), to prevent unintended operation:

- Remove batteries from remote controls.
- Unplug 3 volt adapter plug on IPI models.

Fan

Frequency: Seasonally

By: Homeowner

Tools needed: Protective gloves and safety glasses

- Check the fan and remove any dust, dirt or obstructions.
- Verify unobstructed air circulation.

Venting

Frequency: Seasonally

By: Homeowner

Tools needed: Protective gloves and safety glasses.

- Inspect venting and termination cap for blockage or obstruction such as plants, bird nests, leaves, snow, debris, etc.
- Verify termination cap clearance to subsequent construction (building additions, decks, fences, or sheds).
- Inspect for corrosion or separation.
- Verify weather stripping, sealing and flashing remains intact.
- Inspect draft shield to verify it is not damaged or missing.

C. Maintenance Tasks - Qualified Service Technician

The following tasks must be performed by a qualified service technician.

Gasket Seal and Glass Assembly Inspection

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, drop cloth and a stable work surface.

- Inspect gasket seal and its condition.
- Inspect fixed glass assembly for scratches and nicks that can lead to breakage when exposed to heat.
- Confirm there is no damage to glass or glass frame. Replace as necessary.
- Verify that fixed glass assembly is properly retained and attachment components are intact and not damaged. Replace as necessary.

Log Inspection

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves.

- Inspect for damaged or missing logs. Replace as necessary. Refer to Installation manual for log placement instructions.
- Verify correct log placement and no flame impingement causing sooting. Correct as necessary.

Firebox

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, sandpaper, steel wool, cloths, mineral spirits, primer and touch-up paint.

- Inspect for paint condition, warped surfaces, corrosion or perforation. Sand and repaint as necessary.
- Replace fireplace if firebox has been perforated.

Control Compartment and Firebox Top

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, vacuum cleaner, dust cloths

- Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
- Remove all foreign objects.
- Verify unobstructed air circulation.

Burner Ignition and Operation

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, vacuum cleaner, whisk broom, flashlight, voltmeter, indexed drill bit set, and a manometer.

- Verify burner is properly secured and aligned with pilot or igniter.
- Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
- Replace ember material with new dime-size pieces. **DO NOT** block ports or obstruct lighting paths. Refer to appliance installation manual for proper ember placement.
- Verify batteries have been removed from battery back-up IPI systems to prevent premature battery failure or leaking.
- Check for smooth lighting and ignition carryover to all ports. Verify that there is no ignition delay. Inspect and ensure the lighting of the main burner occurs within four seconds of the main gas valve opening.
- Inspect for lifting or other flame problems.
- Verify air shutter setting is correct. See Installation Manual for required air shutter setting. Verify air shutter is clear of dust and debris.
- Inspect orifice for soot, dirt and corrosion. Verify orifice size is correct. See Service Parts List for proper orifice sizing.
- Verify manifold and inlet pressures. Adjust regulator as required.
- Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.
- Inspect pilot flame pattern and strength. See Figure 4.2 for proper pilot flame pattern. Clean or replace orifice spud as necessary.
- Inspect IPI flame sensing rod for soot, corrosion and deterioration. Polish with fine steel wool or replace as required.

- Verify that there is not a short in flame sense circuit by checking continuity between pilot hood and flame sensing rod. Replace pilot as necessary.

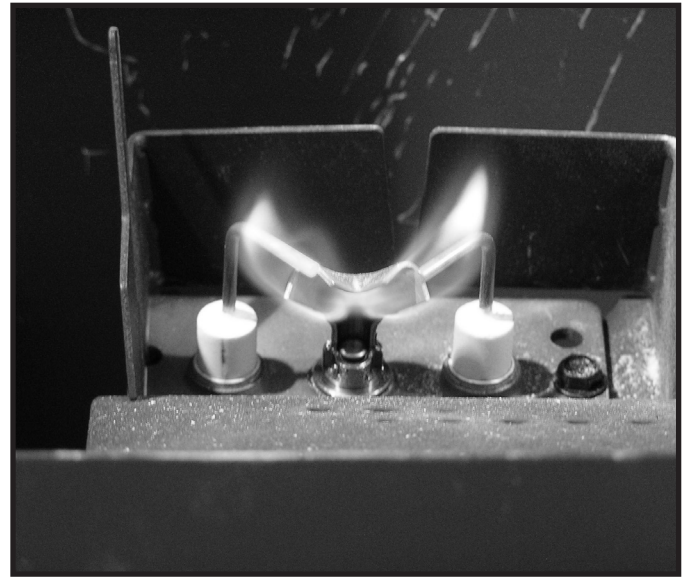


Figure 4.2 IPI Pilot Flame Patterns

5 Frequently Asked Questions and Troubleshooting

A. Frequently Asked Questions

ISSUE	SOLUTIONS
Condensation on the glass	This is a result of gas combustion and temperature variations. As the fireplace warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the fireplace is allowed to burn for 20 to 40 minutes.
Odor from fireplace	When first operated, this fireplace may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing. Odor may also be released from finishing materials and adhesives used around the fireplace.
Film on the glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as gas fireplace glass cleaner may be necessary. See your dealer.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the fireplace.
Is it normal to see the pilot flame burn continually?	In an IntelliFire ignition system it is normal to see the pilot flame, but it should turn off when ON/OFF is turned off.

Contact your dealer for additional information regarding operation and troubleshooting. Visit www.hearthnhome.com to locate a dealer.

B. Troubleshooting - IntelliFire Ignition System

With proper installation, operation, and maintenance your gas appliance will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist a qualified service technician in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician. Contact your dealer to arrange a service call by a qualified service technician.

Symptom	Possible Cause	Corrective Action
1. Pilot won't light. The ignitor/module makes noise, but no spark.	A. Incorrect wiring.	Verify "S" wire (white) for sensor and "I" wire (orange) for ignitor are connected to correct terminals on module and pilot assembly.
	B. Loose connections or electrical shorts in the wiring.	Verify no loose connections or electrical shorts in wiring from module to pilot assembly. Verify connections underneath pilot assembly are tight; also verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure, mesh screen if present, or any other metal object.
	C. Ignitor gap is too large.	Verify gap of igniter to right side of pilot hood. The gap should be approximately .095 in. (2.41 mm) to .135 in. (3.43 mm).
	D. Module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place a grounded wire about 3/16 in. (5 mm) away from "I" terminal on module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode. Replace pilot if necessary.
2. Pilot won't light, there is no noise or spark.	A. No power or transformer installed incorrectly.	Verify that transformer is installed and plugged into module. Check voltage of transformer under load at spade connection on module with ON/OFF switch in ON position. Acceptable readings of a good transformer are between 3.2 and 2.8 volts AC.
	B. A shorted or loose connection in wiring configuration or wiring harness.	Remove and reinstall the wiring harness that plugs into module. Verify there is a tight fit. Verify pilot assembly wiring to module. Remove and verify continuity of each wire in wiring harness. Replace any damaged components.
	C. Improper wall switch wiring.	Verify that 110-120 VAC power is "ON" to junction box.
	D. Module not grounded.	Verify black ground wire from module wire harness is grounded to metal chassis of appliance.
	E. Module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode.
3. Pilot sparks, but Pilot will not light.	A. Gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits.
	B. Ignitor gap is too large.	Verify gap of igniter to right side of pilot hood. The gap should be approximately .095 in. (2.41 mm) to .135 in. (3.43 mm).
	C. Module is not grounded.	Verify module is securely grounded to metal chassis of appliance.
	D. Module voltage output / Valve/Pilot solenoid ohms readings.	Verify battery voltage is at least 2.7 volts. Replace batteries if voltage is below 2.7.

Symptom	Possible Cause	Corrective Action
<p>4. Pilot lights but continues to spark, and main burner will not ignite. (If the pilot continues to spark after the pilot flame has been lit, flame rectification has not occurred.)</p>	<p>A. A shorted or loose connection in flame sensing rod.</p>	<p>Verify all connections to wiring diagram in manual. Verify connections underneath pilot assembly are tight. Verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure or screen if present, or any other metal object.</p>
	<p>B. Poor flame rectification or contaminated flame sensing rod.</p>	<p>With fixed glass assembly in place, verify that flame is engulfing flame sensing rod on left side of pilot hood. Flame sensing rod should glow shortly after ignition. Verify correct pilot orifice is installed and gas inlet is set to pressure specifications. Polish flame sensing rod with fine steel wool to remove any contaminants that may have accumulated on flame sensing rod.</p>
	<p>C. Module is not grounded.</p>	<p>Verify module is securely grounded to metal chassis of appliance. Verify that wire harness is firmly connected to the module.</p>
	<p>D. Damaged pilot assembly or contaminated flame sensing rod.</p>	<p>Verify that ceramic insulator around the flame sensing rod is not cracked, damaged, or loose. Verify connection from flame sensing rod to white sensor wire. Polish flame sensing rod with fine steel wool to remove any contaminants that may have accumulated on flame sensing rod. Verify continuity with a multimeter with ohms set at lowest range. Replace pilot if any damage is detected.</p>
	<p>E. Module.</p>	<p>Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine.</p>

6 Reference Materials

A. Accessories

Remote Control, Wall Controls and Wall Switches

WARNING! Risk of Fire and Electric Shock! Use **ONLY** *Hearth & Home Technologies-approved control and/or switches with this appliance. Using non-listed controls or switches could result in a safety hazard and will void the warranty.*

Follow the instructions supplied with the factory-installed remote control and/or the installed wall control or switch to operate your fireplace:

For safety:

- Install a switch lock or a wall/remote control with child protection lockout feature.
- Keep remote controls out of reach of children.

See your dealer if you have questions.

Decorative Front

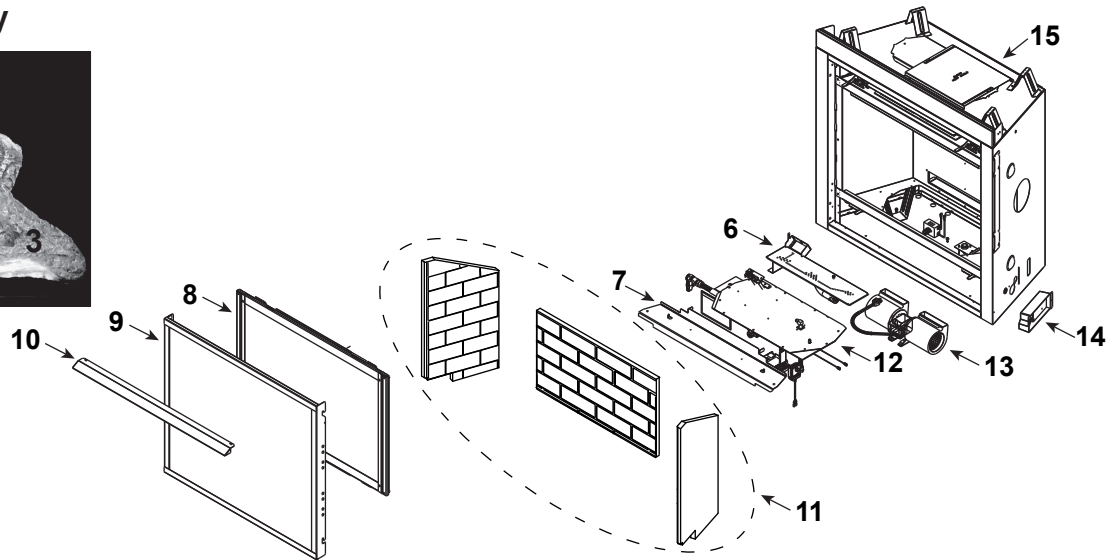
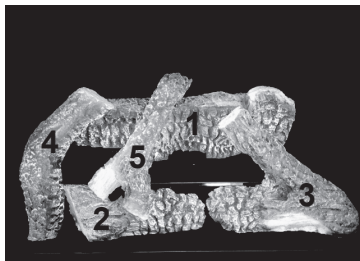
WARNING! Risk of Fire! Install **ONLY** the decorative front approved by *Hearth & Home Technologies*. *Unapproved decorative fronts may cause fireplace to overheat.*

This fireplace has been supplied with an integral barrier to prevent direct contact with the fixed glass panel. DO NOT operate the fireplace with the barrier removed.

Contact your dealer or *Hearth & Home Technologies* if the barrier is not present or help is needed to properly install one.

For more information refer to the instructions supplied with your decorative front.

Log Set Assembly



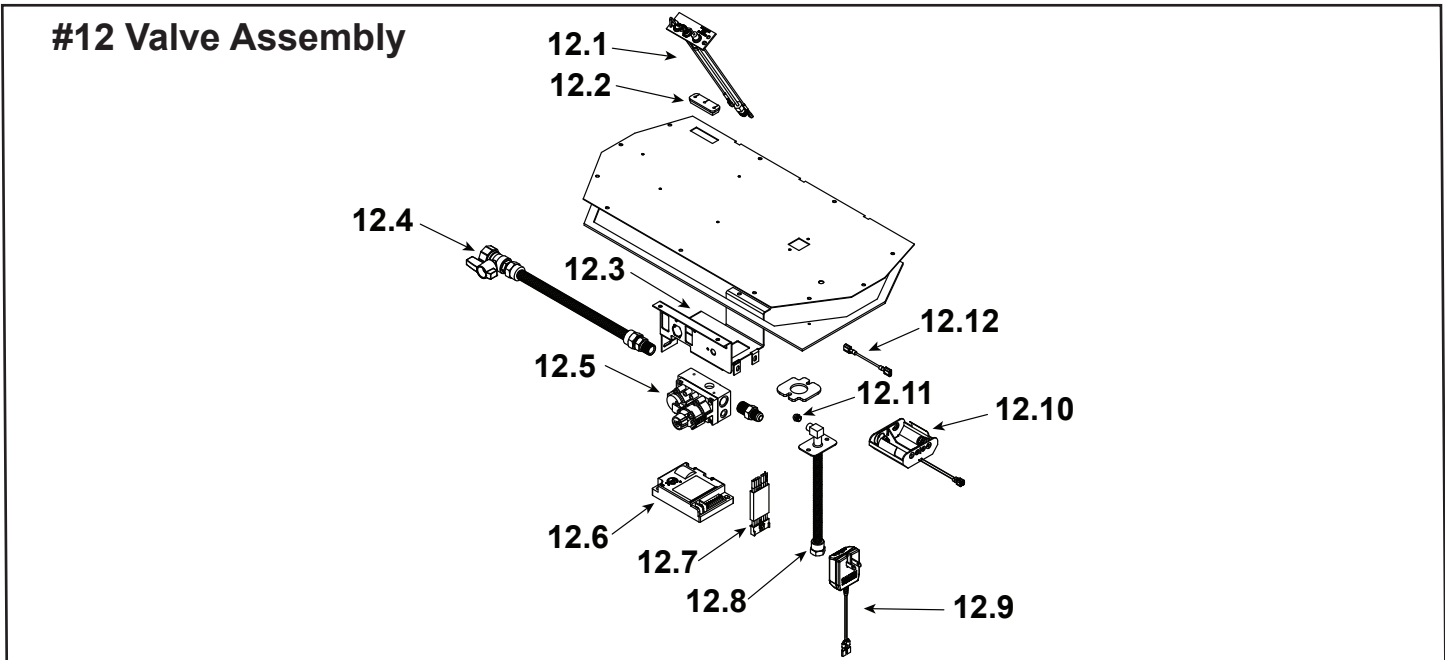
IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



Stocked at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	Stocked at Depot
	Log Assembly		LOGS-3732	Y
1	Log 1		SRV2355-701	
2	Log 2		SRV2355-702	
3	Log 3		SRV2355-703	
4	Log 4		SRV2033-711	
5	Log 5		SRV2033-710	
6	Burner Assembly		2355-007	Y
7	Base Pan		2355-110	
8	Glass Door Assembly		GLA-550TR	Y
9	Fire Screen Front		SRV2496-021	Y
10	Hood		2115-230	
11	Refractory Assembly	Sold as a set only	SRV2552-075	Y
12	Valve Assembly		See following page	
13	Blower Assembly		GFK-160A	Y
14	Junction box		SRV4021-013	Y
15	Elbow Heat Shield		385-290	
	Dry Wall Support		2391-119	
	Exhaust Restrictor		530-299	
	Gasket Assembly Contains Burner neck, shutter bracket, vent, seal cap, valve plate, and air passage gaskets		2115-080	
	Glass Latch Assembly	Pkg of 2	2382-400/2	Y
	Lava Rock		4021-297	
	Mineral Wool		050-721	
	Touch Up Paint		TUP-GBK-12	

Additional service part numbers appear on following page.



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.



**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
12.1	Pilot Assembly NG		2106-169	Y
	Pilot Assembly Propane		2106-170	Y
	Pilot Tube		SRV485-301	Y
12.2	3-Hole Grommet		SRV2118-420	
12.3	Valve Bracket		2118-104	
12.4	Flexible Gas Connector		SRV302-320	Y
12.5	Valve NG		750-500	Y
	Valve Propane		750-501	Y
12.6	Module		SRV593-592	Y
12.7	Wire Assembly		SRV593-590	Y
12.8	Flex Tube Assembly		SRV7000-156	Y
12.9	3 Volt Transformer		SRV593-593	Y
12.10	Battery Pack		SRV593-594	Y
12.11	Orifice NG (#45C)		582-845	Y
	Orifice Propane (#55C)		582-855	Y
12.12	2 in Jumper Wires		2012-206	Y
	Remote Control		SMART-STAT-HHT	Y
	Conversion Kit NG		NGK-3732C	Y
	Conversion Kit Propane		LPK-3732C	Y
	Regulator NG		SRVNGK-DXV	Y
	Regulator Propane		SRVLPK-DXV	Y
	Pilot Orifice NG		SRV593-528	Y
	Pilot Orifice Propane		SRV593-527	Y

→ C. SMART-STAT Remote Control

Installation and Operation

The MDV3732-C comes with a factory-installed SMART-STAT remote control.



Operating Control
E474962



SMART-STAT Remote Control Kits

- Installation and Operating Instructions -

INTRODUCTION

The remote control system can be operated thermostatically or manually from the transmitter. The system operates on radio frequencies (RF) within a 20 foot range. Can be used with IPI or Standing Pilot systems.

This remote control kit has a hand held transmitter that can be used as a remote on/off or as a thermostat. The transmitter display shows the current room temperature, target temperature, timer setting, on/off status, low battery indicator, current time and burner/valve operation. Electrical ratings for the receiver are: 110 VAC, 60 Hz.

If pertinent, see additional fireplace wiring diagrams on the following pages.

INSTALLATION PRECAUTIONS

This remote control kit is tested and safe when installed in accordance with this installation manual. Installation of this kit **MUST** be done by a qualified service technician. It is the responsibility of the installer to read all instructions before starting installation and to follow these instructions carefully during installation. Modification of the remote control system or any of its components will void the warranty and may cause a fire hazard.

CAUTION: All wiring should be done by a qualified electrician and shall be in compliance with local codes and with the National Electric Code ANSI/NFPA No. 70-current (in the United States), or with the current CSA C22.1 Canadian Electric Code (in Canada).

WARNING: DO NOT CONNECT 110-120 VAC WIRING TO THE GAS CONTROL VALVE OF THIS APPLIANCE.

FCC REQUIREMENTS

WARNING: CHANGES OR MODIFICATIONS TO THIS UNIT NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed

and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Canadian Equipment Requirements

This digital apparatus does not exceed the (Class A/ Class B)* limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This device complies with Industry Canada license - exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with RSS 210 of Industry Canada. This Class B device meets all the requirements of the Canadian interference causing equipment regulations. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques (de la class A/de la class B)* prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Cet appareil est conforme aux normes RSS exemptes de licence d'Industrie Canada.

Le fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences et
- (2) Cet appareil doit accepter toute interférence,

y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

Cet appareil est conforme à la norme RSS 210

d'Industrie Canada. Cet appareil de classe B respecte toutes les exigences du règlement canadien sur le matériel brouilleur.

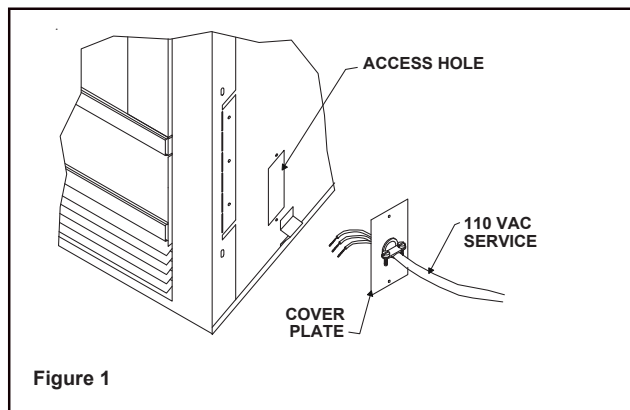
INSTALLATION INSTRUCTIONS

Installing Electrical Service to the Junction Box

WARNING: TURN ELECTRICAL POWER OFF AT THE CIRCUIT BREAKER BEFORE BEGINNING THIS INSTALLATION.

NOTE: Some appliances do not have a cover plate. Instead, there is a hole through which the Romex clamp is attached to the outer wrap.

1. Remove the electrical cover plate from the lower side of the fireplace. Remove the knock-out from the plate and attach the Romex clamp (screws to the outside) (see Figure 1).



2. Feed the electrical service wires through the Romex clamp and secure the wires to the clamp.
3. Using the wire nuts provided, connect the service wires to the junction box. The black wires to the black service wire, the white wires to the white service wire, and the service ground wire to the ground stud of the junction box.
4. Reattach the cover plate to the outside of the fireplace.

WARNING: LEAVE ELECTRICAL POWER OFF AT THIS TIME. DO NOT RESTORE POWER UNTIL THE REMOTE CONTROL SYSTEM IS COMPLETELY INSTALLED.

REMOTE RECEIVER

Important: The remote receiver should be positioned close to front in right or left corner.

The remote receiver is powered by 110-120 VAC. It plugs into a standard polarized duplex receptacle.

Locating Receiver and Operating Functions

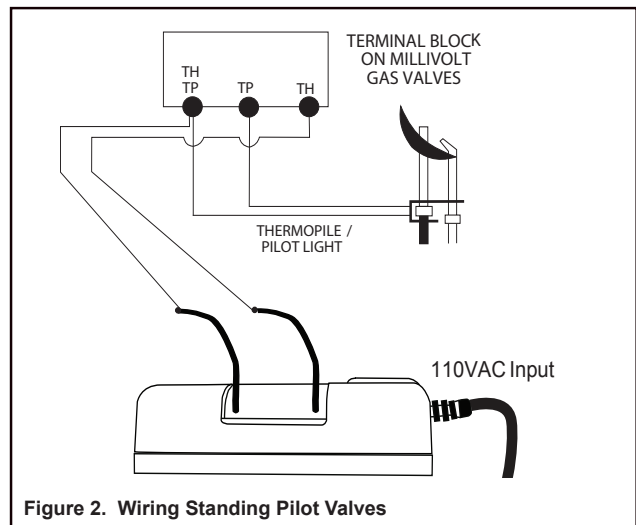
This remote receiver can be positioned under the firebox in the control compartment of the fireplace if ambient temperatures do not exceed 170° F. This system is designed to remotely operate the gas valve.

RECEIVER WIRING INSTRUCTIONS

Incorrect wiring connections WILL cause damage to the gas valve or electronic module operating the gas appliance and may also damage the remote receiver.

Wiring Standing Pilot Valves

Connect the remote receiver by connecting each of the two wires leading from the remote receiver to either of the two wire TH terminals on the gas valve (see Figure 2). Normally it does not matter which wires go to which terminal.



Alternative Wiring for units with a wall switch

Disconnect the wall switch wire from the TH terminal on the valve and connect this wire to male connector supplied on the receiver. Connect remaining female connector from receiver to the TH terminal on the valve.

Wiring Intermittent Pilot Ignition Dry Contact Input

Connect the remote receiver by connecting each of the two wires leading from the remote receiver to the brown harness wires. See Figure 3.

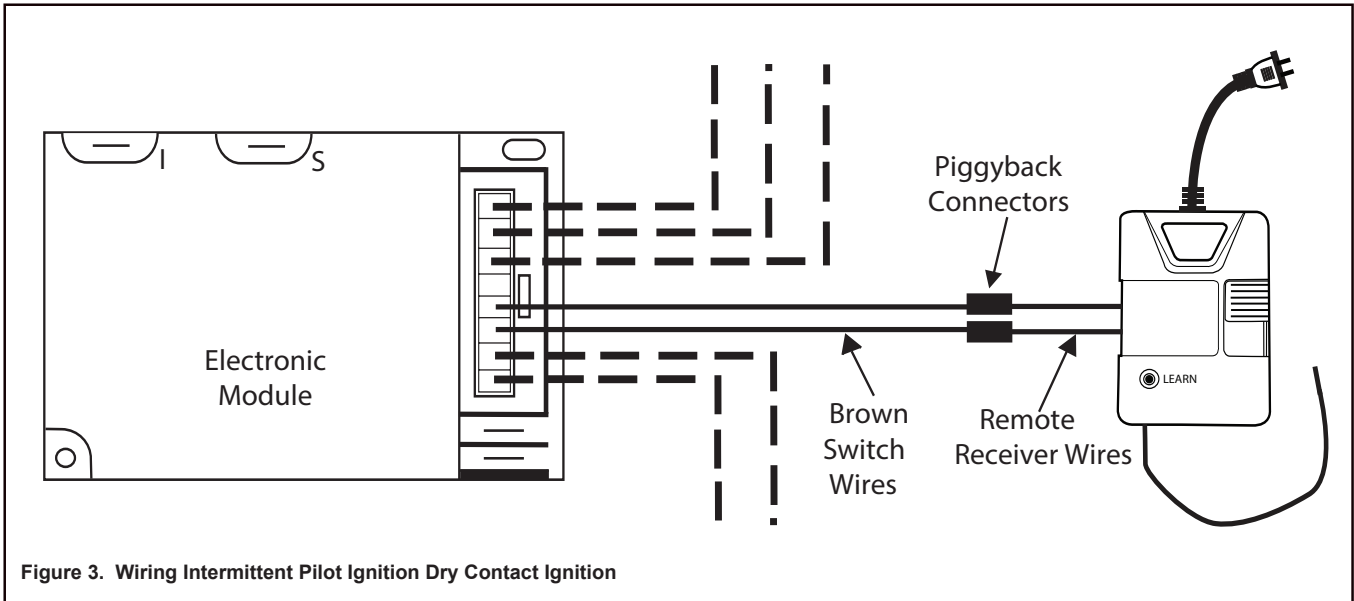


Figure 3. Wiring Intermittent Pilot Ignition Dry Contact Ignition

The remote receiver has a 3-position slide switch: OFF/ REMOTE/ON (see Figure 4).

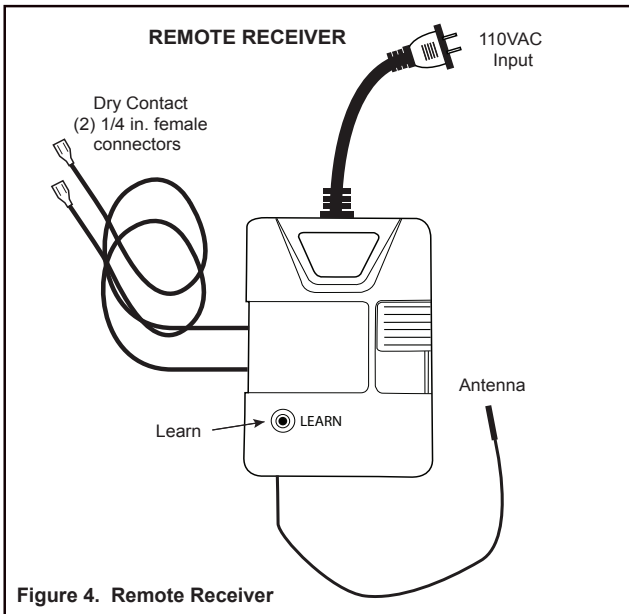


Figure 4. Remote Receiver

NOTE: The remote receiver will only respond to the transmitter when the 3-position slide button on the remote receiver is in the Remote position. If the system does not respond to the transmitter on initial use, see section Matching Security Codes.

1. With the slide switch in the ON position, the system is on.
2. With the slide switch in the REMOTE position, the system only operates if the remote receiver receives commands from the transmitter.
3. With the slide switch in the OFF position, the system is off.

NOTE: The slide switch should be placed in the OFF position if you will be away from your home for an extended period of time. Placing the switch in the OFF position also functions as a safety “lock out” by turning the system off and rendering the remote receiver inoperative.

TRANSMITTER

Important: Before operating remote control, transmitter and receiver must have matching security codes. See section ‘Matching Security Codes’.

Important: Review ‘Communication-Safety Features’ under ‘Transmitter Safety Features’ section. The communication safety features shut down the fireplace system when a potentially unsafe condition exists.

Important: Review ‘Auto Shutdown’ section. This safety feature shuts down the fireplace after 9 hours of continuous operation, in ON mode only.

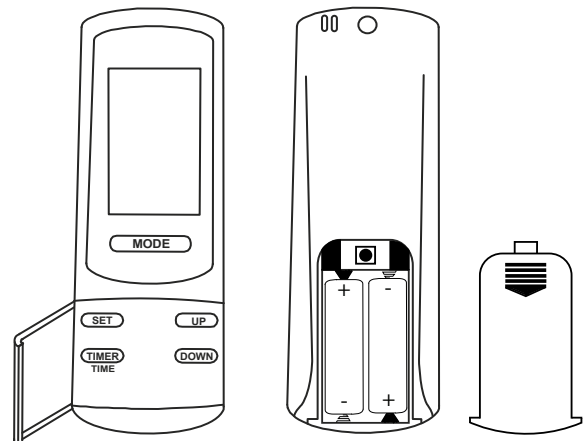
Important: New or fully charged batteries are essential for proper operation of the multi-function transmitter. The transmitter operates on 2 AAA-size 1.5V batteries. Use Alkaline batteries for longer battery life and maximum operational performance.

Insert 2 AAA-size 1.5V batteries into the battery compartment on the back of the transmitter. When the batteries are correctly inserted, the screen will display numbers (see Figure 5 for LCD Display Screen).

NOTE: If the transmitter is activated from a very cold condition it may be necessary to allow the transmitter to stabilize to room temperature (could take up to 15 minutes) before accurate room temperatures are displayed on the screen.

NOTE: LCD screen is equipped with a “backlite” for easier viewing of LCD screen. Backlite illuminates when a function button is depressed. After 5 seconds elapses, LCD screen will return to its normal state.

1. **LOW** - Battery power low. Replace batteries within two weeks.
2. **TIMER** - Indicates time remaining before system shuts off, when timer-programmed, 9 - hour maximum setting.
3. **MODE** - Indicates operation MODE of system. ON indicates the system is on, either manually or thermostatically. THERMO indicates the system will automatically cycle ON/OFF, depending on programmed SET temperature. OFF indicates the entire system is turned off.
4. **SET** - Indicates desired SET room temperature for THERMO operation.
5. **FLAME** - Indicates burner/valve operational.
6. **CLOCK** - Indicates the current time in AM/PM.
7. **ROOM** - Indicates CURRENT room temperature.
8. **°F** - Indicates degrees Fahrenheit (°C indicates degrees Celsius).



LIQUID CRYSTAL DISPLAY - LCD

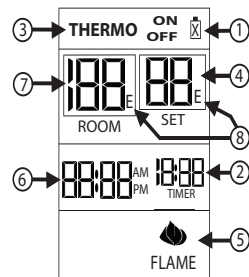


Figure 5. Transmitter LCD Display Screen

MATCHING SECURITY CODES

It may be necessary to program the remote receiver to the security code of the transmitter upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer. To program the remote receiver:

1. Verify that the receiver is connected to 110-120VAC power. Verify that the batteries are installed in the remote transmitter.
2. Set the slide button on the receiver to the REMOTE position.
2. Press and release the LEARN button on the top of the remote receiver. The receiver will beep to confirm it is ready to accept the pairing code from the remote transmitter.
3. Press the MODE button on the transmitter. Several beeps indicate the transmitter's code has been programmed into the receiver. When an existing receiver is matched to a new transmitter, the new security code will overwrite the old one.

NOTE: If no "beeping" occurs when the LEARN button is pressed and released, take the following steps:

Verify that the receiver is connected to 110-120VAC power. If the receiver still does not provide "beeping" feedback and will not pair to the new remote transmitter, press and hold the LEARN button for 10 seconds until the receiver emits three long "beeps" to confirm the security code memory has been cleared. Once the memory is cleared, follow steps 2 and 3 above to program the transmitter to the receiver.

OPERATING INSTRUCTIONS

To operate the system, press the MODE button (Figure 5) on the transmitter to select the operational MODE desired.

- ON indicates the system is on, either manually, timed or thermostatically.
- THERMO indicates the system will automatically cycle ON/OFF, depending on programmed set temperature.
- OFF indicates the entire system is turned off.

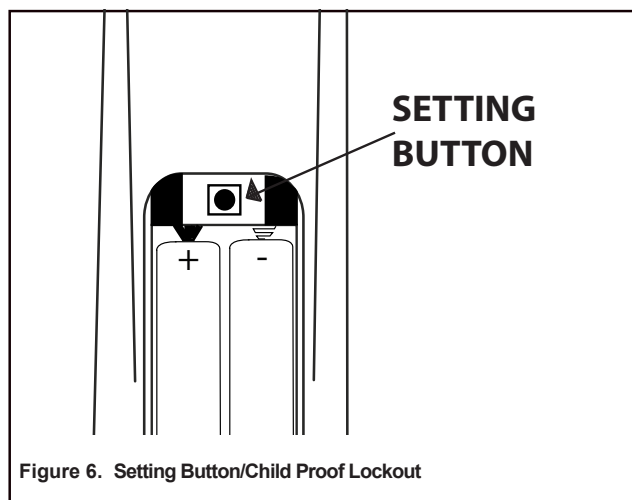
Transmitter Settings

Flip open the plastic cover on the front of the transmitter to expose the "SET" buttons.

NOTE: Flashing numbers on the display indicate the system is waiting for input, such as using the UP and DOWN buttons to program a new setting. If no change is made to flashing digits within 15 seconds, the system will complete the procedure last programmed and reset the display to its normal state.

Setting the Clock

1. Press and hold the TIMER/TIME button on the transmitter for more than two seconds. The hour digit(s) will begin flashing (see Figure 5, Location #6).
2. Press the UP or DOWN button until the desired hour is displayed in AM or PM.
3. After setting the desired hour, press and release the TIMER/TIME button again to set the minutes; the minute digits will begin flashing.
4. Press the UP or DOWN button until the desired minutes are displayed.
5. Press and hold the TIMER/TIME button again for more than two seconds. The time digits will cease flashing, indicating the clock has been successfully set. You may also press the SET button on the transmitter to stop the time digits from flashing and set the time.



Setting °F / °C Scale

The factory setting for temperature is degrees Fahrenheit (°F). To change this setting to degrees Centigrade (°C):

1. Remove the battery cover on the back of the transmitter and locate the "setting button" at the top center of battery compartment (see Figure 6).
2. Push setting button and °F will begin flashing on the LCD screen (see Figure 5, Location #4).
3. Push the DOWN button on the transmitter to change °F to °C.
4. Push "setting button" on transmitter and Centigrade (°C) degree readings will display on LCD screen.
5. Repeat this process to change back to Fahrenheit (°F) reading, this time pushing the UP button. **NOTE:** LCD screen will return to normal state if setting button is not pushed within 15 seconds.

Setting Desired Room Temperature -

Thermo Operations

This remote control system can be thermostatically controlled when the transmitter is in the THERMO mode. (THERMO must be displayed on the screen). The transmitter will "sense" the room temperature every two minutes automatically turning the fireplace ON or OFF thermostatically. To set the desired room temperature:

1. Press the MODE button to place the transmitter into THERMO mode. THERMO ON or OFF will display.
2. Press the UP or DOWN button to select the desired room temperature. The highest SET temperature is 99° F (37° C). The lowest SET temperature is 45° F (7° C).

NOTE: To prevent repeated thermo-cycling of the gas appliance, the sensing unit in the transmitter will only activate the remote receiver when the temperature change exceeds 2° F (1° C) above or below the SET (desired) temperature.

When the transmitter is in the THERMO mode, it should be kept away from direct sources of heat such as fireplaces, incandescent lighting and direct sunlight. Leaving the transmitter in direct sunlight, for example, will cause it to read the room temperature higher than it actually is.

Setting the Countdown Timer

This remote control system can operate with a built-in countdown timer when the transmitter is in the ON or THERMO modes (THERMO or ON must be displayed on the LCD screen).

1. Press and release the TIMER/TIME button on the transmitter. The word TIMER and 0:15 flash on the screen (see Figure 5, Location #2).
2. Press the UP and DOWN button to begin advancing through each of the countdown time options. Available countdown times are 15 min, 30 min, 45 min, 1 hour, 1 hr 30 min, and each additional half hour up to nine hours.
3. To set the TIMER, press the SET button on the transmitter. If the system is ON, it will remain on until the "time" has expired. If the system is in the THERMO mode, it will cycle on and off as the room temperature requires until the "time" has expired.

NOTE: When the timer is used in the THERMO mode, the THERMO operation will discontinue when the "time" has expired.

Low Battery Indicator

An "X" outlined by a battery on the right side of the LCD screen will appear when battery power has dropped significantly. At this time, approximately two weeks of battery power remains.

Child Proof Lockout (CP)

The transmitter contains a “Child Proof” lockout feature that prevents unauthorized use of the remote control. To access the “Child Proof” activation button, remove cover on BACK of transmitter. To activate LOCKOUT:

1. Press and hold in the “setting button” for 5 seconds. The letters CP will display on the LCD screen (see Figure 6). This prevents the activation of fireplace. When any function button is pressed ON/OFF etc. the letter CP will display on the LCD screen.

To deactivate LOCKOUT:

1. Press and hold in the “setting button” for 5 seconds. The LCD will display CP until 5 seconds have elapsed, and then the LCD screen will return to its normal state.

TRANSMITTER SAFETY FEATURES

It is recommended that the TRANSMITTERS always be located within a 20 foot operating range of the fireplace, preferably in the same room in which the fireplace system is located. The TRANSMITTER features several safety features that alert the user when the TRANSMITTER is placed outside the 20 foot normal operating range.

Communication-Safety Features

This remote control has a COMMUNICATION-SAFETY function built into its software. It provides an extra margin of safety when the TRANSMITTER is out of the normal 20 foot operating range of the receiver. It is also activated when the batteries become weak or are removed from the transmitter.

In the THERMO-UPDATING feature (only in the THERMO or TIMER modes) the transmitter normally reads the ROOM temperature every 2 minutes. In addition to checking the temperature, the transmitter sends a signal to the receiver indicating that the transmitter and its batteries are still active.

In the COMMUNICATION-SAFETY feature, at all times and in all OPERATING MODES the transmitter sends a signal every fifteen (15) minutes to the receiver, indicating that the transmitter is within the normal operating range of 20 feet.

Should the receiver NOT receive a transmitter signal every 15 minutes (COMMUNICATION-SAFETY feature), the RECEIVER will begin a 2 HOUR (120 minute) countdown timing function. If during this 2 hour period, the receiver does not receive a signal from the transmitter, the RECEIVER will shut down the fireplace being controlled by the receiver. The RECEIVER will then emit a series of rapid “beeps”. Then, after 10 rapid “beeps”, the RECEIVER will continue to emit a single “beep” every 4 seconds until a transmitter signal is again received. The intermittent 4 seconds beeping will go on indefinitely until reset.

To “reset” the RECEIVER and operate the fireplace system:

1. Press the MODE button on the transmitter. The word ON must display on the LCD screen. The COMMUNICATION-SAFETY operation is overridden and the system will return to normal operation depending on the MODE selected at the transmitter.

We recommend the user check the batteries in the TRANSMITTER to make sure the voltage is no less than 2.7 volts.

Auto Shutdown

This remote control has an Auto Shutdown feature incorporated into its system. When the transmitter MODE is in the ON position the fireplace will continuously operate for 9 hours. After 9 hours, the fireplace will shut down. To relight the fireplace:

1. Press the MODE button.

The Auto Shutdown signal comes from the transmitter. The transmitter must be positioned within a 20 foot operating range for the Auto Shutdown feature to operate.

SYSTEM CHECK

Standing Pilot Valves

Light the appliance following the lighting instructions that came with the fireplace. Confirm that the pilot flame is on. It must be in operation for the main gas valve to operate.

1. Slide the 3-position button on the remote receiver to the ON position. The main gas flame (i.e., the fire) should ignite.
2. Slide the button to OFF. The flame should extinguish (the pilot flame will remain on).
3. Slide the button to REMOTE (the center position), then press the MODE button on the transmitter to change the system to ON. The main gas flame should ignite.
4. Press the MODE button on the transmitter to change the system to OFF. The flame should extinguish (the pilot flame will remain on).
5. Press the MODE button on the transmitter to change the system to THERMO.
6. Advance the SET temperature on the transmitter to a temperature of at least 2° F (1° C) above the ROOM temperature displayed on the LCD screen and the system flame will ignite.
7. Set the SET temperature to at least 2° F (1° C) below the room temperature and the system flame will extinguish. Thereafter, it should continue to cycle on and off thermostatically approximately every two minutes as the ROOM temperature changes, but only when the temperature differential between ROOM and SET temperatures differs at least 2° F (1° C). The 2° F (1° C) F differential is the factory setting.

Electronic Ignition System

1. Slide the 3-position button on the remote receiver to the ON position. The spark electrode should begin sparking to ignite the pilot (the pilot may ignite after only one spark). After the pilot flame is lit, the main gas valve should open and the main gas flame should ignite.
2. Slide the button to OFF. The main gas flame and pilot flame should BOTH extinguish.
3. Slide the button to REMOTE (the center position).
4. Then press the MODE button on the transmitter to change the system to ON. The spark electrode should begin sparking to ignite the pilot. After the pilot is lit, the main gas valve should open and the main gas flame should ignite.
5. Press the MODE button on the transmitter to OFF. The main gas flame and pilot flame should BOTH extinguish.
6. Press the MODE button on the transmitter to change the system to THERMO.
7. Advance the SET temperature on the transmitter to temperature of at least 1° F (-17° C) above the room temperature displayed on the LCD screen and the system flame will ignite.
8. Set the SET temperature to at least 2° F (1° C) below the room temperature and the system will extinguish. Thereafter, it should continue to cycle on and off thermostatically approximately every two minutes as the ROOM temperature changes, but only when the temperature differential between ROOM and SET temperatures differ at least 2° F (1° C). The 2° F (1° C) differential is the factory setting.

Timer Operation

The countdown timer will operate in either the manual ON or THERMO mode. Once the fireplace system is in an operating mode, set the countdown timer to turn off in 15 minutes. The timer function will allow operation to continue until the "countdown time" on the LCD screen expires. After 15 minutes elapses, the system should turn off.

GENERAL INFORMATION

Transmitter Wall Bracket

The transmitter can be hung on a wall using the bracket provided. Locate the bracket on an inside wall sufficiently far away from direct sources of heat such as a fireplace, incandescent lighting, or sunlight so it detects ambient room temperatures, not a single heat source. If the bracket is installed on a solid wood wall, drill 1/8 inch pilot holes and install with the screws provided. If it is installed on a plaster/wallboard wall, first drill two 1/4 inch holes into the wall, then use a hammer to tap in the two plastic wall anchors flush with the wall, then install the screws provided.

Battery Life

Life expectancy of the alkaline batteries in the transmitter should be at least one season. Check batteries annually. When the transmitter no longer operates the remote receiver from a distance it did previously (i.e., the transmitter's range has decreased) the batteries should be checked.

Specifications

Batteries: Transmitter - 3V 2 ea.; AAA 1.5V, Alkaline
Receiver - 110-120 VAC; 60Hz

Service Parts List

No service parts available.

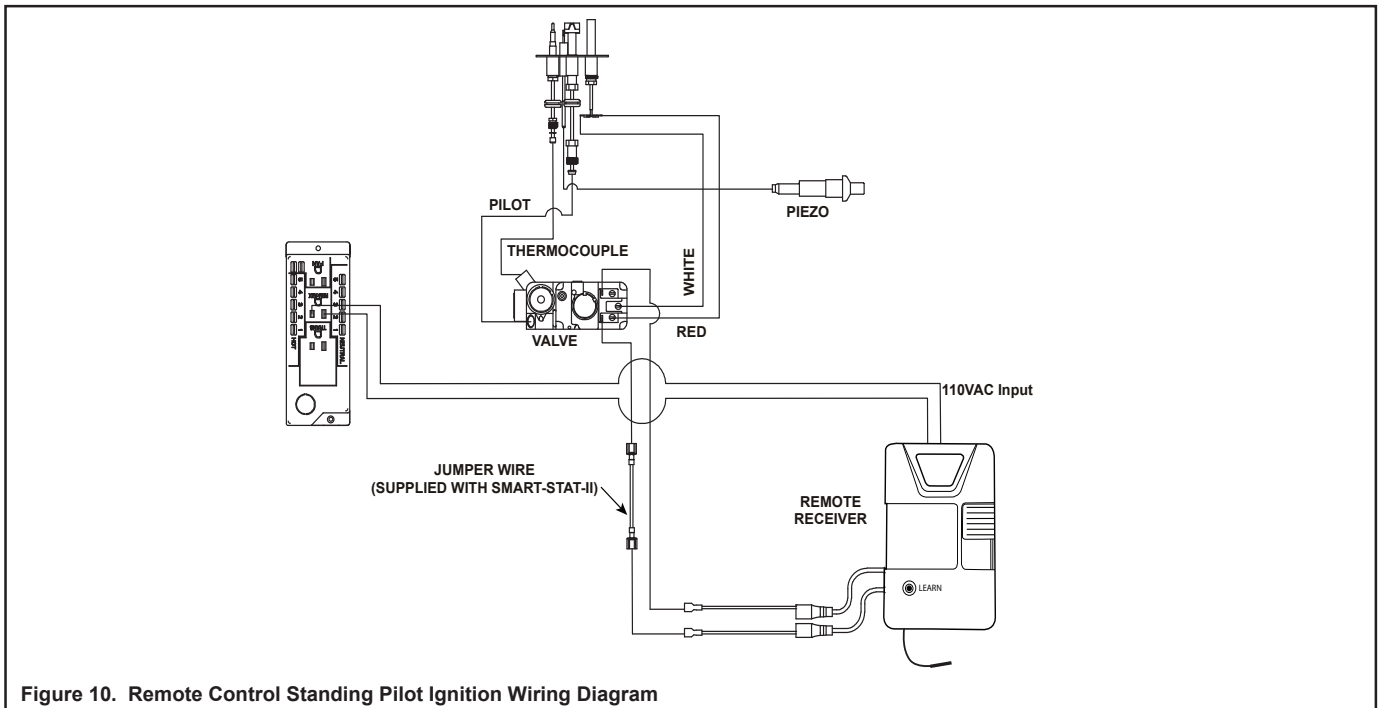
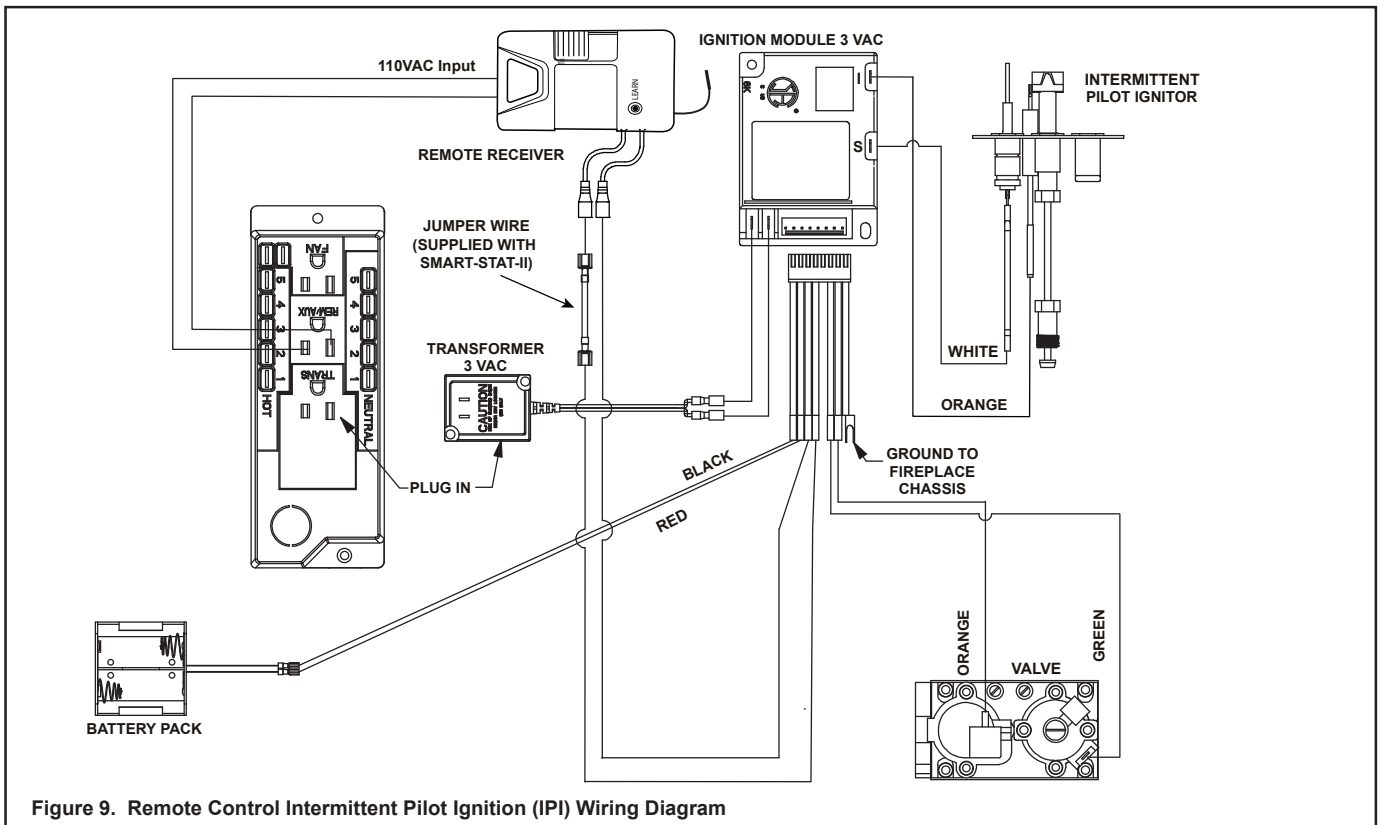
Limited Warranty

This REMOTE CONTROL SYSTEM is warranted for 12 months from the date of purchase or installation to the original purchaser to be free from defects in materials and workmanship. Damage to the SYSTEM caused by accident, misuse, abuse, or installation error whether performed by a contractor, service company, or owner, is not covered by this warranty. Seller will not be responsible for labor charges and/or damage incurred in installation, repair, replacement or for incidental or consequential damages.

Batteries and any damage caused by them are not covered by this warranty.

Some states, provinces, and nations do not allow exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights. You may have other rights that vary by state, province or nation.

Remote Control Wiring Diagrams



Please contact your Hearth & Home Technologies dealer with any questions or concerns.

For the location of your nearest
Hearth & Home Technologies dealer,
please visit www.hearthnhome.com.

Hearth & Home Technologies
7571 215th Street West, Lakeville, MN 55044
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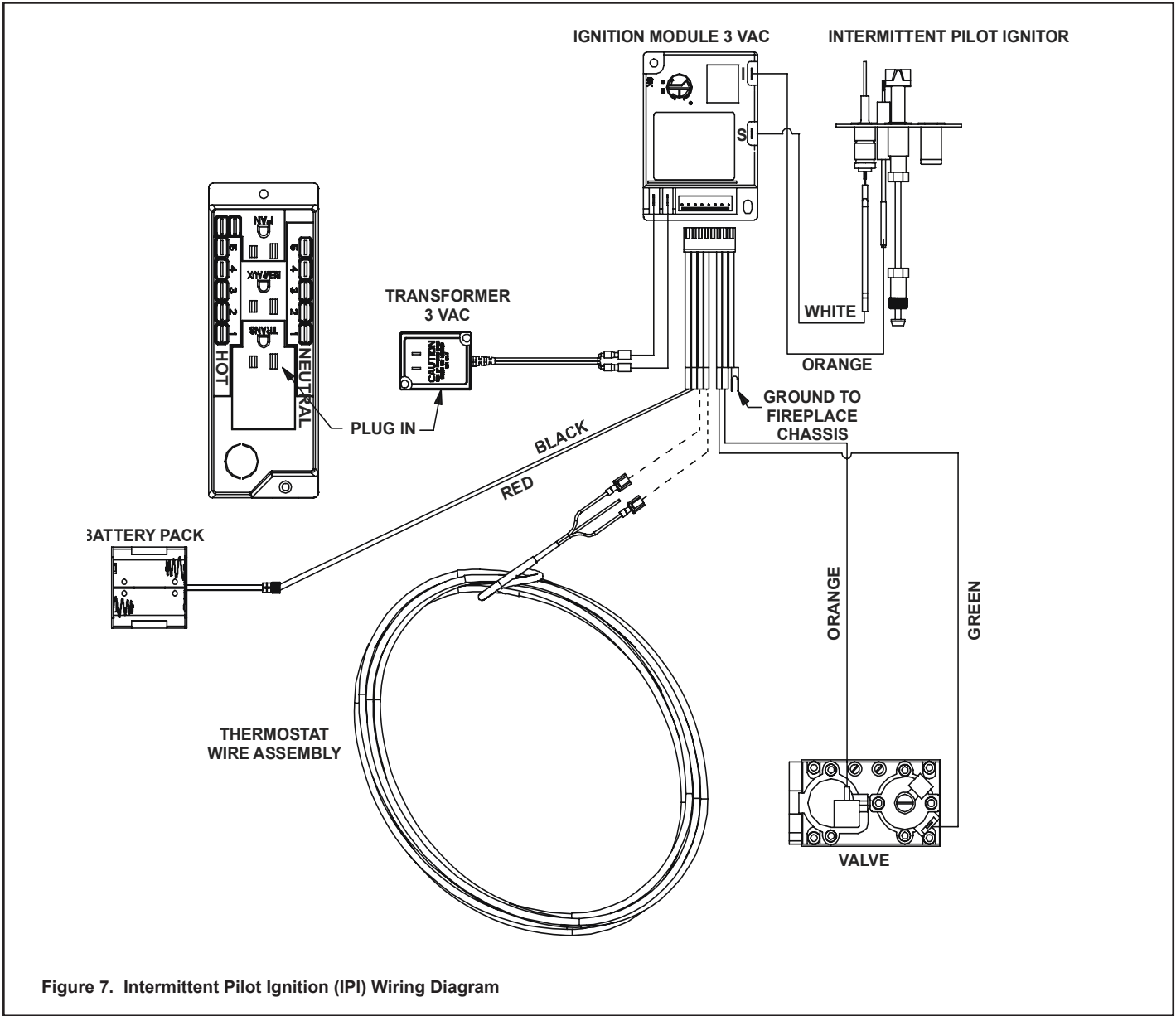


Figure 7. Intermittent Pilot Ignition (IPI) Wiring Diagram

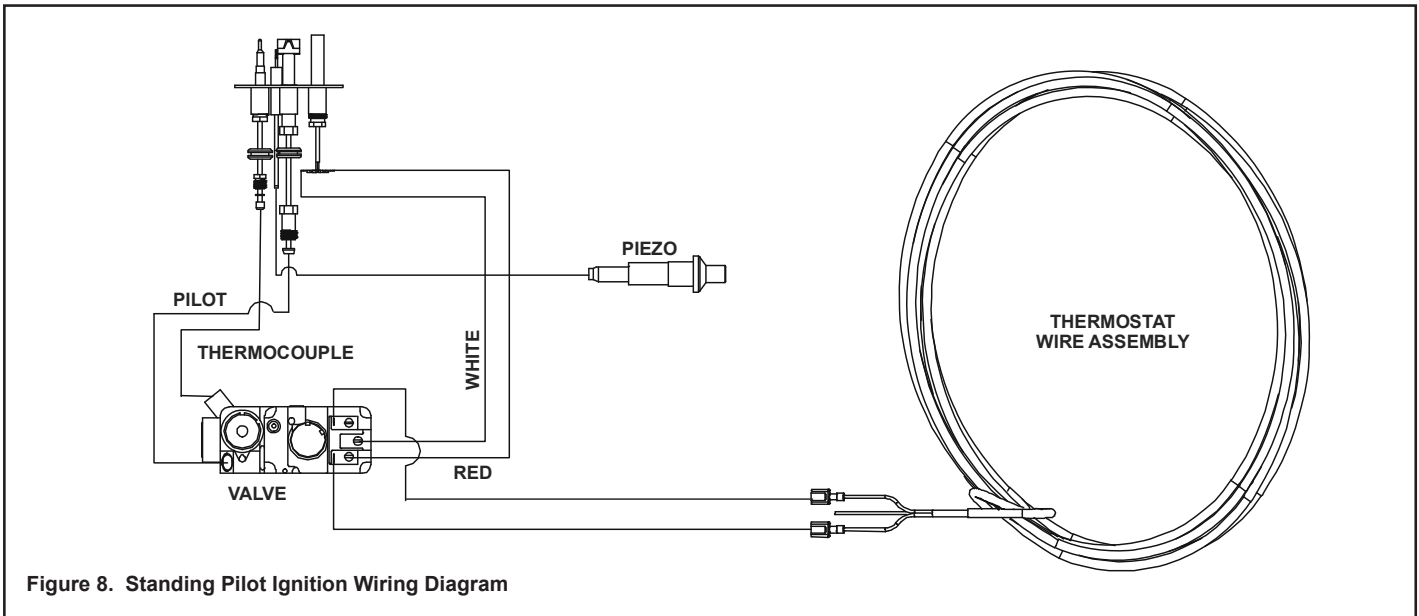


Figure 8. Standing Pilot Ignition Wiring Diagram

