This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or 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, unless a certified kit is used.

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

—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 light any appliance.
- Do not touch any electrical switch: do not use any phone in your building.
- Immediately call gas supplier from a neighbors phone. Follow the gas supplier 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.

WARNING: HOT GLASS WILL CAUSE BURNS. DO NOT TOUCH GLASS UNTIL COOLED. NEVER ALLOW CHILDREN TO TOUCH GLASS.
CONGRATULATIONS!

We welcome you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials and assembled by trained craftsmen who take pride in their work. The burner and valve assembly are 100% test-fired and the complete fireplace is thoroughly inspected before packaging to ensure that you receive a quality product. Our commitment to quality and customer satisfaction have remained the same for over 30 years. We offer a complete line of gas and wood fireplaces, unique cabinets and stylish accessories to compliment any décor. Adding a fireplace is one of the best ways to increase the value of your home and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated to not only function and reliability, but customer safety as well. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong
President

Dudley Hussong
Board Chairman

INTRODUCTION

Read this manual before installing or operating this appliance. Please retain this owner’s manual for future reference.

Homeowner Reference Information

We recommend that you record the following information about your fireplace.

Model Name: ___________________________ Date purchased/installed: ___________________________

Serial Number: __________________________ Location on fireplace: ____________________________

Dealership purchased from: __________________ Dealer Phone: _____________________________

Notes: ____________________________________________________________

_________________________________________________________________

_________________________________________________________________

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SAFETY INFORMATION

This fireplace has been tested to and complies with ANSI Z21.88-2009 / CSA 2.33-2009 “VENTED GAS FIREPLACE HEATERS” and Testing Method for Measuring Annual Efficiency, CSA P.4.1-09 / CGA 2.17-M91 (R2009) by OMNI-Test Laboratories, Portland, OR. This installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Codes, CSA B149.1

- Installation and repair should be done only by a qualified service person. The appliance should be inspected by a qualified service person before use. Annual inspection by a qualified service person is required to maintain warranty. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.
- If this appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to 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.
- Clothing or other flammable material should not be placed on or near the appliance.
- Adequate accessibility clearances for servicing and proper operation must be maintained.
- This appliance must not share or be connected to a chimney flue serving any other appliance.
- Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.
- The flow of combustion and ventilation air must not be obstructed.
- Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.
- The glass front or any part removed for servicing the appliance must be replaced prior to operating the appliance. Work should be done by a qualified service technician.
- Clean glass only when cool and only with non-abrasive cleansers.

**WARNING: DO NOT OPERATE APPLIANCE WITH THE GLASS/FRAME ASSEMBLY REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD ONLY BE PERFORMED BY A LICENSED OR QUALIFIED SERVICE PERSON.**

- The glass assembly, Part #SL42-057T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc. DO NOT SUBSTITUTE MATERIALS.
- Do not strike or slam glass assembly.
- Any safety screen or guard removed for servicing the appliance must be replaced prior to operating the appliance.
- Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.
- Keep burner and control compartment clean.
- Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.
FEATURES

STANDARD FEATURES

- High efficiency
- High quality lifetime glass
  44-5/16” x 17-5/8” (1141mm x 448mm)
- IPI control system with remote control
- Engineer-designed burner system
- Curved black firebox liner
- Light Kit
- Minnesota Energy Code compliant to 50 pascals

SAFETY FEATURES

- Each unit factory tested!
- Tested by OMNI - Test Laboratories
- Sealed combustion chamber
- Intermittent or Standing pilot ignition
- Flame sensing system (safety shutoff)
- Automatic pressure relief glass system
- Battery back-up in the event of power failure
  (excluding fan and lights)
- Bedroom and mobile home approved
- Canadian approved

OPTIONAL FEATURES

- Glass media kits in various colors - Required
- Contemporary frames in various designs and finishes
- Automatic fan kit (2) - 75 CFM
- Driftwood log set (to be used with required glass media kit)
- Rock media kit (to be used with required glass media kit)
- Heat Duct Kit
For all sidewall 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 (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:

### INSTALLATION OF CARBON MONOXIDE DETECTORS

At time of installation of side wall horizontally 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 is installed on each additional floor 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.

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

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.

### 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.

### SIGNAGE

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum 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 no less the one-half inch (1/2) in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

### 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.

### EXEMPTIONS

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

### 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:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

### MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas 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:

- The referenced “special venting systems” instructions shall be included with the appliance or equipment installation instructions and;
- 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.

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 instructions shall remain with the appliance or equipment at the completion of the installation.
## SPECIFICATIONS

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**WARNING**

All stand-off brackets must be attached to fireplace. Do not remove. Top stand-off brackets are not load bearing. Non-combustible zone: Top stand-offs provide 7-3/4” (197mm) minimum clearance to header. Use only non-combustible material in this area for entire width of fireplace. Do not use wood, sheetrock etc. in this zone. Other clearances apply. All clearances must be maintained.

### CLEARANCES

- Top of unit face to framing: 7-3/4” (197mm)
- From unit left & right side stand-offs: 0”
- From unit back stand-offs: 0”
- From bottom stand-offs: 0”
- Unit top to ceiling: 31” (787mm)
- Side of finishing edge to adjacent sidewall: 6” (152mm)
- Unit front to combustibles: 36” (914mm)
- Mantel 9” (102mm) deep from fireplace finishing edge: 10-3/4” (406mm)
1. Frame an opening for fireplace, allowing for vent installation and type of installation (corner or flat wall application).
2. If masonry (optional) is used, prepare foundation for the masonry load. A lintel is required to support the added weight above fireplace.
3. Attach stand-off brackets and nailing flanges to fireplace.
4. Insert fireplace into framing.
5. Install hearth (if applicable).
6. Complete gas line installation.
7. Complete electrical hook-up. Install any standard or optional electrical components at this time.
8. Complete venting installation.
9. Secure fireplace to framing with nailing flanges. Verify all clearances at this point.
10. Install facing material, mantel or cabinetry, allowing room for optional full face doors, if applicable.
11. Install glass media (required).
12. Install finishing material, optional surrounds.
13. Verify proper operation of fireplace and all components.
Mounting a TV above a fireplace has become common practice. With this in mind, we advise you to read the following paragraphs carefully before considering installing a television above your fireplace.

Most TV manufacturers specify in their instructions that a TV should not be installed on, near, or above a heat source. Television location rests solely on the homeowner and Hussong Manufacturing will not be held liable for any adverse affects on a TV located near a Kozy Heat Fireplace that may be caused by heat.

TV operating temperature is also affected by wall and mantle construction material. It is the customers responsibility to satisfy themselves that their TV mounting and mantle design will not exceed the listed maximum operating temperature of their electronic goods.

**SPECIFICATIONS**

**PLACEMENT CLEARANCE REQUIREMENTS**

- This fireplace must be installed on a level surface capable of supporting fireplace and venting.
- Fireplace must be placed directly on wood or non-combustible surface (not linoleum or carpet) extending entire depth and width of fireplace.
- Due to high surface temperatures, fireplace should be located out of traffic and away from furniture and draperies.
- This fireplace may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace will produce when determining a location.

**TELEVISION POSITIONING CONSIDERATIONS**

Mounting a TV above a fireplace has become common practice. With this in mind, we advise you to read the following paragraphs carefully before considering installing a television above your fireplace.

Most TV manufacturers specify in their instructions that a TV should not be installed on, near, or above a heat source. Television location rests solely on the homeowner and Hussong Manufacturing will not be held liable for any adverse affects on a TV located near a Kozy Heat Fireplace that may be caused by heat.

TV operating temperature is also affected by wall and mantle construction material. It is the customers responsibility to satisfy themselves that their TV mounting and mantle design will not exceed the listed maximum operating temperature of their electronic goods.
FIREPLACE PREPARATION

STAND-OFF / STAND-OFF HEAT SHIELD ASSEMBLY & INSTALLATION

WARNING

Top and back stand-off brackets must be formed and attached prior to positioning fireplace into framed opening.

Top stand-offs provide 7-3/4" (197mm) minimum clearance to header. Use only non-combustible material in this area for entire width of fireplace. Do not use wood, sheetrock, etc. in this zone. Other clearances apply. All clearances must be maintained.

Top stand-off brackets are not load bearing.

Top stand-off brackets and stand-off heat shields are attached to fireplace top, back stand-offs are attached to back of fireplace in a flat state for shipping.

1. Remove and save (4) screws securing top stand-off heat shield and stand-off brackets. Form each stand-off bracket as shown.

2. Re-attach top stand-off brackets to fireplace using screws previously removed along with (4) screws provided in fireplace components packet.

3. Form stand-off heat shields and attach to stand-off brackets with (8) screws provided in fireplace components packet. (Flange on stand-off heat shields face down and to front of fireplace).

4. Form back stand-offs and secure to fireplace back with provided screws.

**TOP STAND-OFF BRACKETS AS SHIPPED**

REMOVE SCREWS SECURING STAND-OFF BRACKETS

**TOP STAND-OFF BRACKETS INSTALLED**

ALIGN HOLES IN FORMED TOP STAND-OFFS WITH HOLES IN FIREPLACE TOP. SECURE WITH (4) SCREWS.

**STAND-OFF HEAT SHIELDS INSTALLED**

ALIGN HOLES IN FORMED STAND-OFF HEAT SHIELDS WITH HOLES IN STAND-OFF BRACKETS. SECURE WITH (8) SCREWS.

**BACK STAND-OFF BRACKETS AS SHIPPED**

**BACK STAND-OFF BRACKETS INSTALLED**
NAILING FLANGE ASSEMBLY & INSTALLATION

1. Remove (4) nailing flanges from fireplace sides.

2. With the 1/2” (13mm) long stand-offs on nailing flanges facing away from fireplace, align nailing flange with holes on outside corners of fireplace. Secure with screws (provided in components packet) through slots in nailing flanges.

3. Bend perforation on nailing flange until parallel with fireplace face. Do not bend toward fireplace face.

4. Position framing stud against 1/2” (13mm) long stand-off (located on backside of nailing flange). Secure with nails or screws.

NOTE

Depending on facing material, tabs can be adjusted forward or back wards up to 1/2” (13mm).

CAUTION

Never permanently remove these assemblies from fireplace - they must be secured in place regardless of finish material used.

When installed, nailing flanges provide the minimum 2-1/2” (64mm) clearance from fireplace sides.
FRAMING

WALL ENCLOSURE ROUGH OPENING

**IMPORTANT**

Determine whether wall surface will be flush with fireplace face (wall and fireplace face will be covered with non-combustible material such as tile) or, framing will be flush with fireplace face, which results in a flat wall appearance.

Header and top framing studs must be rotated. Please refer to illustration below for guidance.

Framing dimensions should allow for wall covering thickness and fireplace facing materials. If using a hearth, adjust rough opening size as necessary to maintain clearance requirements.

This fireplace may be elevated off floor as shown in illustration below, provided it is properly supported by framing materials and ceiling clearances are maintained.

If installing optional #970 Heat Duct Kit, refer to installation instructions on pages 48-51 of this installation manual.

MINIMUM FINISHED OPENING DIMENSIONS

(APPLIES TO BOTH HORIZONTAL AND VERTICAL VENTING TERMINATIONS)

38-3/8” (975mm) High x 55-1/4” (1403mm) Wide x 19” (483mm) Deep.*

**WARNING**

PROVIDE ADEQUATE CLEARANCES AROUND AIR OPENINGS INTO THE COMBUSTION CHAMBER.

DO NOT OBSTRUCT UPPER AND LOWER GRILL OPENINGS. ROOM AIR ENTERS THROUGH LOWER PASSAGE, IS HEATED AND EXITS THROUGH UPPER PASSAGE. BLOCKING THESE PASSAGES MAY RESULT IN OVERHEATING, CREATING A POTENTIALLY HAZARDOUS SITUATION.

*19” represents minimum distance from front of fireplace to back wall of framing. This is the minimum wall depth required for wall surface material to cover fireplace front.

If you desire wall surface to be flush with fireplace face, subtract 1/2” (standard drywall depth) from this dimension.

If using another material, adjust accordingly.

Maintain all clearances to combustibles as outlined in this manual.

---

*Figure 11a*
FRAMING

Determine exact position of your fireplace, including hearth height, width, and depth, (if applicable). If possible, place fireplace in such a manner that vent termination will be placed between two studs, eliminating the need for additional framing.

If masonry is to be used (optional), prepare necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over top of fireplace to support the added weight.

Build hearth to desired size and height. If a hearth extension is desired, combustible material may be used.

| NOTE | Consider height of hearth finish material (stone, brick, etc.) when building fireplace platform. The bottom of fireplace must be level with finished hearth to allow for proper fit of contemporary frames. |
| WARNING | Install fireplace on hard metal or wood surface extending the full width and depth of fireplace. Minimum platform size: 50” (1271mm) wide x 19” (482mm) deep. ABOVE FLOOR LEVEL INSTALLATIONS: Solid continuous platform must be constructed below appliance. |
| FIRE HAZARD | Do NOT install directly on carpeting, vinyl, or any combustible material other than wood. |
| IMPORTANT | Vent cap location must be in compliance with guidelines on page #25 of this manual. |
| WARNING | DO NOT RECESS VENT CAP INTO WALL OR SIDING. |

VERTICAL TERMINATIONS

Follow vent pipe manufacturer’s installation instructions for vertical terminations. A minimum 1” (25mm) clearance on all sides of vertical vent pipe must be maintained.

| NOTE | The included Horizontal Vent Heat Shield is not used for vertical configurations. |

HORIZONTAL TERMINATIONS

Frame a 12-1/2” (318mm) high (H) x 10-7/8” (276mm) wide (W) opening on exterior wall for chimney termination. This opening size includes required 3” (76mm) top clearance and 1” (25mm) sides and bottom clearances for vent systems.

**MINIMUM HORIZONTAL FRAMING DIMENSIONS**

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<th>FRAMED OPENING TOP (B)</th>
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<tr>
<td>12” (305mm)</td>
<td>51-1/4” (1.3m)</td>
<td>54-1/4” (1.38m)</td>
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<tr>
<td>18” (457mm)</td>
<td>57-1/4” (1.45m)</td>
<td>60-1/4” (1.53m)</td>
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![Figure 12a](image)

| CAUTION | Cold air transfer area. The surrounding fireplace chase must comply with all clearances as outlined in this manual and be constructed in compliance with local building codes. Outside walls should be insulated to prevent cold air from entering room. |
| CAUTION | Due to high temperatures, this fireplace should be located out of traffic areas and away from furniture and draperies. |

PAGE 12
This fireplace was designed to accommodate non-combustible facing material up to 1/2” (13mm) thick. Install non-combustible facing material up to facing flange surrounding the glass frame assembly. Do not apply any material beyond this point. The glass frame assembly must be removable.

Non-combustible material is required at top and side of fireplace. Illustrations below reflect minimum non-combustible material dimensions.

Do not secure material to lower cover panel with screws, which may damage control system components. Use a silicone sealant that has a 300°F (149°C) continuous exposure rating to secure material in this zone.

It is acceptable to pre-drill holes and use self-tapping screws to attach non-combustible material to top and sides of fireplace face. Do not use excessively long screws.

**WARNING** Maintain minimum clearances to combustibles from fireplace and vent system.
**TYPICAL INSTALLATION OPTIONS**

**IMPORTANT**

Kozy Heat wall pass-thru (#800-WPT or #800-WPT2) must be used on all horizontal vent runs. Follow instructions on page 19 of this installation manual.

The horizontal heat shield included with this fireplace must be installed when incorporating minimum horizontal venting. This applies to Nat. and LP minimum horizontal venting configurations.

Horizontal vent heat shield not shown in illustrations below for clarity purposes only.

**HORIZONTAL INSTALLATION**

![Figure 14a](image)

**WARNING**

Non-combustible zone: No combustible materials allowed on top of fireplace within shaded area for entire width and depth of fireplace with the exception of the header.

**VERTICAL INSTALLATION**

![Figure 14b](image)

**MANTEL REQUIREMENTS**

![Figure 14c](image)
GLASS FRAME

WARNING
DO NOT OPERATE THIS FIREPLACE WITH THE GLASS FRONT REMOVED, CRACKED OR BROKEN.
REPLACEMENT OF THE GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.

REMOVE GLASS FRAME ASSEMBLY

1. Open valve access cover by lifting front up, rotating towards glass frame.
2. Using a phillips head screwdriver, remove screws securing valve access cover (1 ea. side).
3. Loosen, but do not remove (2) wing nuts securing component upper heat shield. Pull component board forward (secured to hear shield with magnet) Remove heat shield.
4. Locate (2) spring loaded handles at bottom of firebox. Pull handles out and down to release.
5. Lift glass frame assembly up and off (2) tabs at top of firebox.

INSTALL GLASS FRAME ASSEMBLY

1. Place glass frame assembly top over tabs at top of firebox.
2. Pull bottom handles out and up to secure assembly bottom.
3. Reinstall component upper heat shield, secure with wing nuts, re-attach component board magnet to upper heat shield.
4. Reinstall valve access cover, using screws previously removed.

WARNING
DO NOT OPERATE THIS FIREPLACE WITH THE GLASS FRONT REMOVED, CRACKED OR BROKEN.
REPLACEMENT OF THE GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.
5. Position fan as shown in figure 5a. As you rotate fan towards you, the upper edge of fan discharge will lock behind top edge of fireplace air channel opening, securing fan in place. Do not let fan rest on any electrical cords.

6. Repeat for left fan, noting that fan rotation in steps 3 and 4 will be opposite of right fan.

7. Reattach wiring terminals to fan motors.

8. Plug fan cord into receptacle on extension / fan module marked FAN.

This fireplace is manufactured for use with Natural Gas. An LP conversion kit is included with this fireplace. Follow instructions included with conversion kit if converting to LP gas.

**ATTENTION**

The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.

**CAUTION**

Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1.

Commonwealth of Massachusetts: Installation must be done by a licensed plumber of gas fitter.

**NOTE**

A listed (and Commonwealth of Massachusetts approved) 18” (457mm) T-handle manual shut-off valve and flexible gas connector (included) are connected to the 1/2” (13mm) control valve inlet. If substituting for these components, please consult local codes for compliance.

This fireplace is equipped with a 3/8”(10mm) x 18” (457mm) long flexible gas connector and manual shut-off valve. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi (3.5kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).

For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.

**IMPORTANT**

The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

<table>
<thead>
<tr>
<th></th>
<th><strong>NATURAL GAS</strong></th>
<th><strong>LP GAS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MINIMUM INLET GAS PRESSURE</strong></td>
<td>5” WC (1.25 kPa) (7” WC (1.74 kPa) recommended)</td>
<td>11” WC (2.74 kPa) (recommended)</td>
</tr>
<tr>
<td><strong>MAXIMUM INLET GAS PRESSURE</strong></td>
<td>10.5” WC (2.62 kPa)</td>
<td>13” WC (3.24 kPa)</td>
</tr>
<tr>
<td><strong>MANIFOLD PRESSURE (HI)</strong></td>
<td>3.5 (.87 kPa)</td>
<td>10.0 (2.49 kPa)</td>
</tr>
<tr>
<td><strong>MANIFOLD PRESSURE (LO)</strong></td>
<td>0.6 (.15 kPa)</td>
<td>1.5 (.37 kPa)</td>
</tr>
<tr>
<td><strong>ORIFICE SIZE</strong></td>
<td>#31</td>
<td>#47</td>
</tr>
<tr>
<td><strong>INPUT BTU/hr. (kW)</strong></td>
<td>42,000 BTU/hr (12.31 kW)</td>
<td>42,000 BTU/hr (12.31 kW)</td>
</tr>
<tr>
<td><strong>MINIMUM INPUT BTU/hr. (kW)</strong></td>
<td>21,000 BTU/hr (6.16 kW)</td>
<td>21,000 BTU/hr (6.16 kW)</td>
</tr>
</tbody>
</table>

**ATTENTION**

**HIGH ALTITUDE INSTALLATIONS**

**In the USA:** The appliance may be installed at higher altitudes. Please refer to your American Gas Association guidelines which state: the sea level rated input of Gas Designed Appliances installed at elevations above 2000ft. (610m) is to be reduced 4% for each 1000ft. (305m) above sea level. Refer also to National Fuel Gas Code, ANSI Z223.1/ NFPA 54, local authorities, or codes which have jurisdiction in your area regarding the de-rate guidelines.

**In Canada:** When the appliance is installed at elevations above 4500ft. (1372m), the certified high altitude rating shall be reduced at the rate of 4% for each additional 1000ft. (305m). Refer also to CSA-B149.1 Natural Gas and Propane Installation Code, Local authorities, or codes which have jurisdiction in your area regarding the de-rate guidelines.
This fireplace is designed to be used with any of the following vent systems without the use of an additional adaptor. Refer to vent manufacturer’s installation manual for complete installation instructions. Installation must conform with venting requirements and restrictions as outlined in this manual.

Provide a means for visually checking vent connection to fireplace after fireplace is installed.

**APPROVED VENTING**

- Simpson Dura-Vent DV-PRO 5” x 8” direct vent system (horizontal and vertical terminations).
- Selkirk Metalbestos 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- Kozy Heat #800 series flexible vent system (horizontal terminations).
- Metal Fab 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- ICC 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- Security 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- Amerivent / American Metal 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- BDM 5” x 8” direct vent chimney system (horizontal and vertical terminations).
- RLH 5” x 8” direct vent chimney system (vertical terminations).

**HORIZONTAL VENT SYSTEM CLEARANCES**

<table>
<thead>
<tr>
<th></th>
<th>TOP</th>
<th>BOTTOM</th>
<th>SIDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL APPROVED VENTING</td>
<td>3 inches (76mm)</td>
<td>1 inch (25mm)</td>
<td>1 inch (25mm)</td>
</tr>
</tbody>
</table>

**IMPORTANT**

- Kozy Heat Wall Pass-thru, #800-WPT (4-1/2” (114mm) - 6-1/2” (165mm) wall thickness), or #800-WPT2 (6-1/2” (165mm) -12-1/2” (318mm) wall thickness) must be used on all horizontal vent runs.

**IMPORTANT**

- The horizontal heat shield included with this fireplace must be installed when incorporating minimum horizontal venting. This applies to Nat. and LP minimum horizontal venting configurations.

**HORIZONTAL TERMINATIONS (NAT GAS)**

**MINIMUM**: 12” (305mm) vertical rise + 90° elbow + 9” (229mm) horizontal + termination cap. (Horizontal Vent Heat Shield required).

**MAXIMUM**: 12” (305mm) vertical rise + 90° elbow + 12ft. (3.66m) horizontal + termination cap. (Horizontal Vent Heat Shield required).

**HORIZONTAL TERMINATIONS (LP GAS)**

**MINIMUM**: 12” (305mm) vertical rise + 90° elbow + 9” (229mm) horizontal + termination cap. (Horizontal Vent Heat Shield required).

**MAXIMUM**: 18” (457mm) vertical rise + 90° elbow / Max. 12ft. (3.66m) horizontal + termination cap. (Horizontal Vent Heat Shield required).

*For horizontal runs greater than 2ft. (601mm): 18” (457mm) minimum vertical rise is required.
ELBOWS

The following statement applies to horizontal, vertical, or a combination of horizontal/vertical elbows:
For each additional 90° elbow used after first elbow, 3 ft. (914 mm) must be subtracted from maximum allowed venting. For each 45° elbow used, 1-1/2 ft. (457 mm) must be subtracted from maximum venting allowed.

NOTE (2) 45° degree elbows may be used in place of (1) 90° elbow.

#800-WPT WALL PASS-THRU

IMPORTANT #800-WPT or #800-WPT2 Wall Pass-Thru must be used on all horizontal vent terminations. This includes both interior and exterior walls. Follow instructions below.

FRAMING DIMENSIONS FOR #800-WPT KOZY HEAT WALL PASS-THRU

12-1/2” (318 mm) HIGH x 10-7/8” (276 mm) WIDE

WARNING MAINTAIN ALL CLEARANCES AS STATED IN THIS INSTALLATION MANUAL.

IMPORTANT If using Kozy Heat series flexible vent system, remove inner ring on each wall pass-thru section with a tin snips. This will provide adequate room for the flexible vent system.

A. Measure wall thickness; cut insulation panel (included) this length.
B. Install wall pass-thru section marked #1 (3/8” (10 mm) flange) into framed opening. Secure to interior wall with screws (not provided).
C. From the exterior, place insulation between flange and top of framed opening in wall pass-thru section #1.
D. Install section marked #2 of wall pass-thru into framed opening, overlapping metal sections as necessary to accommodate wall thickness. Secure to exterior wall with screws (not provided).

Figure 19a
**VENTING**

**MIN. / MAX. HORIZONTAL VENTING**

![Diagram of Horizontal Venting Components]

**NAT**
- MINIMUM: 12" (305mm) vertical rise / 9" (229mm) horizontal.
- MAXIMUM: 12" (305mm) vertical rise / 12ft. (3.66m) horizontal.

**LP**
- MINIMUM*: 12" (305mm) vertical rise / 9" (229mm) horizontal.
- MAXIMUM: 18" (457mm) vertical rise / Max. 12ft. (3.66m) horizontal.
  *For horizontal runs greater than 2ft. (601mm): 18" (457mm) minimum vertical rise is required.

**IMPORTANT**
The horizontal vent heat shield included with this fireplace must be installed when incorporating minimum horizontal venting. This applies to Nat. and LP minimum horizontal venting configurations.

Kozy Heat Wall Pass-thru, #800-WPT (4-1/2" (114mm) - 6-1/2" (165mm) wall thickness), or #800-WPT2 (6-1/2" (165mm) -12-1/2" (318mm) wall thickness) must be used on all horizontal vent runs.

Flame height and appearance will vary depending upon venting configuration and type of fuel used.

**HORIZONTAL VENT HEAT SHIELD**

1. Loosen, but do not remove center two screws on top of fireplace.
2. Bend horizontal heat shield at perforation to a 90° angle. Slide (2) slots on horizontal vent heat shield under loosened screws.
3. Re-tighten screws.
APPLIES TO NAT AND LP INSTALLATIONS:

MINIMUM: 2ft. (610mm) + cap.
MAXIMUM: 50ft. (15.24m) + cap.

Each installation is unique and affected by various factors including venting configuration, altitude and climate. Therefore, after fireplace installation is complete a restrictor (included with fireplace components packet) may be required or may need to be removed or modified.

Please refer below for installation instructions if installing the restrictor in conjunction with venting.

Page 42 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.
ELBOWS

For each additional 90° elbow used after first elbow, 3ft. (914mm) must be subtracted from maximum allowed venting.

For each 45° elbow used, 1-1/2ft. (457mm) must be subtracted from maximum venting allowed.

(2) 45° degree elbows may be used in place of (1) 90° elbow.

The horizontal vent heat shield must be installed when using a 90-degree elbow to horizontally position the vent system.

Kozy Heat Wall Pass-thru, #800-WPT (4-1/2” (114mm) - 6-1/2” (165mm) wall thickness) or, #800-WPT2 (6-1/2” (165mm) - 12-1/2” (318mm) wall thickness), must be used on all horizontal vent runs.

Horizontal sections require 1/4” (6mm) rise for every 12” (305mm) of travel.

NOTE: Page 21 has information on restrictor installation in conjunction with venting installation. Page 42 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

HORIZONTAL & VERTICAL COMBINATION VENTING

![Diagram of Venting System]
VENTING

INSTALLATION OF #800 SERIES DIRECT VENT TERMINATION KIT(S)

IMPORTANT The flex pipe is permanently attached to the exterior plate. DO NOT ATTACH #844 or #845 termination kit to fireplace (or extension kit) until it has passed through wall. Install termination plates to outside wall exterior.

HORIZONTAL TERMINATIONS Refer to illustration on following page.

IF TERMINATING AGAINST VINYL SIDING, A VINYL SIDING PROTECTOR, INCLUDED WITH #844 AND #845 DIRECT VENT KITS, MUST BE USED. FOLLOW INSTRUCTIONS INCLUDED.

IMPORTANT The Kozy Heat wall pass-thru, part #800-WPT or #800-WPT2, must be used on all horizontal vent applications regardless of which vent system you are using.

CAUTION This gas appliance must not be connected to a chimney flu serving another type of appliance.

NOTE Page 21 has information on restrictor installation in conjunction with venting installation. Page 42 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

1. If your vent system application does not require an extension kit, proceed to step #7.
2. If your vent system application will require one or more extension kits (Part #846), proceed with the following steps. Each #846 extension kit contains enough 5” & 8” flexible aluminum to extend chimney an additional 6ft. (1.83m).
3. Gently stretch 5” & 8” flexible aluminum pipes on termination kit (#844 or #845) and on each extension kit (if used) the length required for your installation.

IMPORTANT DO NOT STRETCH EXTENSION KIT BEYOND 6ft. (1.83 m). DO NOT STRETCH BEYOND WHAT IS REQUIRED - IT IS VERY DIFFICULT TO RECOMPRESS FLEX PIPES ONCE STretched.

4. Place a bead of sealant outside 5” flex pipe collar (C) (end with EXTERNAL lip), sliding it inside 5” pipe on top of fireplace (D). Secure with 3 evenly spaced screws.
5. Place a bead of sealant inside 8” flex pipe collar (E) (end with the INTERNAL lip), sliding it over 8” pipe on top of fireplace (F). Secure with 3 evenly spaced screws.
6. If additional extension kits are required, repeat steps #4 - #5, placing 5” & 8” pipes onto previous extension kit. OPTIONAL: Place insulation between 8” pipe and wall studs.
7. With spacer legs toward the wall, slide interior firestop (H) over 8” pipe and attach to interior wall (over wall materials).

NOTE Attachment brackets are included with termination kit. These optional brackets should be screwed or nailed (not provided) onto top and bottom of 9-1/2” (241mm) H x 9-1/2” (241mm) W opening on exterior of house. The termination plates then fit between these brackets. Using screws provided, secure brackets to termination box (A). Attach vinyl siding protector (G).

8. Apply a liberal bead of exterior sealant around outer edge of termination box (A), placing assembly through opening in exterior wall. Place screws through four slots (B), securing it in place.
9. Gently pull 5” & 8” pipes down to top of extension kit, or top of fireplace if no extension kits were used.
10. Place a bead of sealant outside 5” flex pipe collar (C) and slide it into 5” pipe on extension kit or top of fireplace (D). Secure with 3 evenly spaced screws.

ILLUSTRATION ON FOLLOWING PAGE.
### FLEXIBLE #800 SERIES cont.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TERMINATION BOX</td>
</tr>
<tr>
<td>B</td>
<td>SLOTS IN EXTERIOR WALL PLATE</td>
</tr>
<tr>
<td>C</td>
<td>5” FLEX PIPE COLLAR</td>
</tr>
<tr>
<td>D</td>
<td>5” PIPE ON FIREPLACE OR EXTENSION KIT</td>
</tr>
<tr>
<td>E</td>
<td>8” FLEX PIPE COLLAR</td>
</tr>
<tr>
<td>F</td>
<td>8” PIPE ON FIREPLACE OR EXTENSION KIT</td>
</tr>
<tr>
<td>G</td>
<td>VINYL SIDING PROTECTOR (not shown)</td>
</tr>
<tr>
<td>H</td>
<td>INTERIOR FIRESTOP</td>
</tr>
</tbody>
</table>

Bend tabs up before attaching 8” flex pipe collar. Secure pipe thru holes in tabs.

**NOTE**  
Stand-off heat shield not shown for clarity purposes only.
1. Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.
2. DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - i.e.: brick, stone, siding, etc. If necessary, extend framing so that termination kit will be exposed once building materials are installed.
3. Vent termination must not be located where it will become plugged by snow or other material. The flow of combustion and ventilation air must be not obstructed.

**LOCATION CLEARANCES**

A. Above grade, veranda, porch, deck, balcony - 12" (305mm).
B. Operable window or door - CANADA: 12" (305mm). US: 9" (229mm).
C. Permanently closed window* - 12" (305mm) (recommended to prevent condensation on window).
D. Ventilated soffit* - 24" (610mm).
E. Unventilated soffit* - 12" (305mm).
F. Outside corner* - 6" (152mm).
G. Inside corner* - 0" (0mm).
H. Meter / Regulator: CANADA: Not to be installed above a gas meter/regulator assembly within 3ft. (914mm) horizontally from the centerline of the regulator within a height of 15ft. (4.57m). US*.
I. Gas Service regulator vent outlet : CANADA: 3ft. (914mm). US*.
J. Non-mechanical air supply inlet to building or the combustion air inlet to any other appliance. CANADA: 12" (305mm). US: 9" (229mm).
K. Mechanical air supply inlet. CANADA: 6ft. (1.83m) US: 3ft. (914mm) above if within 10ft. (3.05m) horizontally. Massachusetts installations: 10ft. (3.05m).
L. Above paved side-walk or paved driveway located on public property - 7ft. (2.13m). US*.

**NOTE**

A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwellings and serves both dwellings.

M. Under veranda, porch, deck, or balcony (must be fully opened on a min. of 2 sides) - 12" (305mm).
N. Between two horizontal terminations - 12" (305mm).
O. Between two vertical terminations - 12" (305mm). Terminations may be the same height.
P. Above furnace exhaust or inlet - 12" (305mm).

*Clearance must be in accordance with local installation codes & the requirements of the gas supplier.
**VENT TERMINATION CLEARANCES**

<table>
<thead>
<tr>
<th>Roof Pitch</th>
<th>H (Min.) Ft</th>
<th>H (Min.) m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat to 6/12</td>
<td>1.0</td>
<td>0.30</td>
</tr>
<tr>
<td>Over 6/12 to 7/12</td>
<td>1.25</td>
<td>0.38</td>
</tr>
<tr>
<td>Over 7/12 to 8/12</td>
<td>1.5</td>
<td>0.46</td>
</tr>
<tr>
<td>Over 8/12 to 9/12</td>
<td>2.0</td>
<td>0.61</td>
</tr>
<tr>
<td>Over 9/12 to 10/12</td>
<td>2.5</td>
<td>0.76</td>
</tr>
<tr>
<td>Over 10/12 to 11/12</td>
<td>3.25</td>
<td>0.99</td>
</tr>
<tr>
<td>Over 11/12 to 12/12</td>
<td>4.0</td>
<td>1.22</td>
</tr>
<tr>
<td>Over 12/12 to 14/12</td>
<td>5.0</td>
<td>1.52</td>
</tr>
<tr>
<td>Over 14/12 to 16/12</td>
<td>6.0</td>
<td>1.83</td>
</tr>
<tr>
<td>Over 16/12 to 18/12</td>
<td>7.0</td>
<td>2.13</td>
</tr>
<tr>
<td>Over 18/12 to 20/12</td>
<td>7.5</td>
<td>2.27</td>
</tr>
<tr>
<td>Over 20/12 to 21/12</td>
<td>8.0</td>
<td>2.44</td>
</tr>
</tbody>
</table>

**CAUTION**

This appliance must not be connected to or joined with any chimney flue serving any other appliance.

---

*IF VENT IS CLOSER THAN 18in. (457mm), IT MUST TERMINATE AT LEAST 2ft. (0.61m) HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10ft. (3.05m) OF THE VENT.*
2. Remove (10) screws securing burner cover, lift cover out of firebox.
3. Install (6) halogen bulbs (included in components packet) into lamp bases.
4. Reinstall burner cover, securing with screws previously removed.

**ATTENTION**
If converting to LP (propane) gas, do so now before installing light kit components. Follow instructions included with conversion kit.

**CAUTION**
Disconnect all electric power from fireplace before performing this task.

**NOTE**
To avoid damage and prolong the life of halogen bulbs, never touch with bare hands. Always use a soft cloth when handling.

---

**GLASS MEDIA INSTALLATION** *(sold separately)*

**ATTENTION**
Do not operate this fireplace without glass media installed. Various colors available. See Dealer for details.

**WARNING**
Do not block pilot assembly with glass media. A blocked pilot assembly may result in a delayed ignition.

**NOTE**
To avoid potential sooting issues, we recommend glass media be no more than one layer deep across entire burner assembly.

Install glass media onto burner assembly and pilot shield, being careful not to block pilot assembly.
CONTROL BOARD REMOVAL / INSTALLATION

**CAUTION**
If burner and/or pilot have been burning, use appropriate protection to avoid burns or damage to personal property before removing any components.

**WARNING**
DO NOT OPERATE THIS FIREPLACE WITHOUT SEALING GASKET (LOCATED UNDER CONTROL BOARD) IN PLACE. IF GASKETING IS DAMAGED, IT MUST BE REPLACED.

### REMOVAL

1. Use remote to turn fireplace off.
2. Remove glass frame assembly.
3. Shut off gas supply at manual shut-off valve.
4. Disconnect gas line flex tube from manual shut-off valve.
5. Unplug all components from receptacle, disconnect all wiring harnesses attached to gas valve, disconnect igniter and sensor terminals from main control module and light kit leads from extension module.
6. Remove glass media.
7. Remove burner cover (secured with (10) screws).
8. Remove halogen bulbs.
9. Remove burner tube from mounting cradles.
10. Remove pilot assembly housing.
11. Remove (8) screws securing control board, lift board out of firebox being careful not to damage sealing gasket lying underneath.

### INSTALLATION

1. Place control board in firebox, aligning holes in board to holes in firebox bottom. **MAKE SURE SEALING GASKET IS IN PLACE ON FIREBOX BOTTOM!** Secure with (8) screws previously removed.
2. Reinstall burner, positioning burner venturi over burner orifice, aligning burner tube with mounting cradles on control board.
3. Re-install halogen bulbs.
4. Reinstall pilot assembly housing.
5. Reinstall burner cover, aligning holes in cover to corresponding holes in burner tube mounting cradles. Secure with screws (10).
6. Reinstall glass media, being careful not to block pilot.
7. Reconnect gas line to manual shutoff valve.
8. Reconnect all wiring harnesses to gas valve, reconnect igniter and sensor terminals to main control module and light kit lead to extension module. Plug all components into electrical outlet.
9. Reinstall glass frame assembly.
10. Turn gas on.
11. Verify proper glass media placement, operation of fireplace, and any electrical components.

**CAUTION**
CHECK ALL CONNECTIONS FOR LEAKS, WHETHER FIELD OR FACTORY MADE.
IMPORTANT

THIS SYSTEM REQUIRES ELECTRICITY (120 V) AND / OR BATTERIES TO OPERATE.

USING BATTERY BACK UP WILL OPERATE BURNER ONLY. FAN AND LIGHT COMPONENTS WILL NOT FUNCTION ON BATTERY BACK-UP POWER.

THIS SYSTEM IS GROUND TO FIREBOX CHASSIS.
CONTROL MODULE COMPONENTS

LEARN BUTTON
VALVE STEP MOTOR TERMINAL
COMMUNICATION LINK TO EXTENSION MODULE

AC ADAPTOR CONNECTION

CONTINUOUS PILOT ON/OFF SWITCH
REMOTE ON/OFF SWITCH
’S’ SENSOR PILOT CONNECTION
’I’ IGNITER PILOT CONNECTION

MAIN CONTROL MODULE

BACK-UP BATTERY PACK

AC ADAPTOR

EXTENSION MODULE

COMMUNICATION LINK TO LIGHT KIT
COMMUNICATION LINK TO CONTROL MODULE

NON-OPERATIONAL
REMOTE CONTROL INFORMATION

- Manual On / Off
- Thermostat Mode Icon
- Room Temperature
- Battery Life Icon
- Fan Speed
- Set Temperature (visible only in Thermostat Mode)
- Light Level
- Child Proof Icon
- Flame Height
- Continuous Pilot

Figure 32a
ELECTRICAL WARNING / INFORMATION:

- Electrical wiring must be installed by a licensed electrician.
- Do NOT wire 120V to wall switch.
- Uninterrupted or continuous power is required at all times in IPI systems EXCEPT when using battery back-up.
- Incorrect wiring will override IPI safety lockout and may cause an explosion.
- Disconnect 120V before servicing.

A duplex receptacle and box cover are supplied in fireplace components packet to be used when hardwiring to electrical box located under firebox on right side of fireplace. **Ensure duplex box cover is installed with flange to top.**

CONTINUOUS PILOT (FOR VERY COLD CONDITIONS)

The IPI gas control system has the option of a continuous (standing) pilot feature. This allows you to change from a spark-to-pilot system to a standing pilot system during cold weather conditions. By having the pilot on continuously, the firebox will remain warm and a draft is established in the vent, allowing the main burner to turn on with less air-flow disruption.

When continuous pilot mode is activated and fireplace is turned ON, the pilot will spark and light. When fireplace is turned OFF, the pilot will remain lit when main burner has been turned OFF.

This pilot feature can be activated or de-activated by the hand held remote control transmitter. Instructions on following page.

OPERATION USING BATTERY POWER

This fireplace has an optional battery operation if electrical power is lost. Position battery pack with four “AA” size batteries installed between valve and front of fireplace. This is the coolest location under firebox, ensuring longer battery life.

NOTE When operating fireplace in this capacity, the only function available is flame modulation.

MATCHING SECURITY CODES

Before matching security codes make sure 120V AC is connected and powered to fireplace, and hand held remote control is installed with (2) AA batteries.

It may be necessary to program main control module to LEARN the security code of the hand held remote control upon initial use, if batteries are replaced, or if a replacement remote control is purchased from your dealer.

1. When matching security codes, be sure slide button on main control module is in REMOTE; the code will not “LEARN” if slide is in OFF.

2. Program main control module to LEARN a new security code by pushing in LEARN button on main control module for 2 seconds, then releasing. (You should then hear a single ‘beep’ letting you know module is ready to learn a new code).

3. Press MODE button on hand held remote control (you should hear four ‘beeps’ in rapid succession in main control module, indicating remote control’s code has been programmed into the main control module). When an existing main control module is introduced to a new hand held remote control, the new security code will overwrite the old one.

If it ever becomes necessary to clear the memory from the hand held remote control, simply push and hold the LEARN button for 10 seconds (you should hear three long beeps in succession). You may now follow steps outlined above to ‘RE-LEARN’ security codes.
REMOTE CONTROL OPERATION

INITIAL SET-UP:

Plug Extension Module and AC Adaptor into receptacles.

Install (4) AAA batteries into battery compartment of Backup Battery Pack, making sure batteries are installed in proper direction. Position between valve and front of stove. A Velcro strip has been attached to help secure in place.

The Hand Held Remote operates on (2) 1.5V AAA batteries. We recommend always using ALKALINE batteries to extend battery life and improve operational performance.

NOTE

This system is sent to you set up for Natural Gas and temperature units readable in Fahrenheit.

This system allows for gas type conversion and temperature unit conversion by following the setup procedure outlined below.

GAS TYPE CONVERSION:

Press and hold Learn Button on Main Control Module for 20 seconds. A beep will be heard letting you know the procedure has been completed.

If converting from NAT to LP gas: (1) one second long beep

If converting from LP to Nat gas: (3) three second long beep

Continue with gas type conversion by following instructions included with gas conversion kit.

CELSIUS/FAHRENHEIT CONVERSION:

Press UP and DOWN keys simultaneously to choose Celsius or Fahrenheit.

IMPORTANT SAFETY FEATURE:

This system has a maximum room temperature limit of 95° F (35° C) in both manual and thermostat modes. When room temperature is at or above this point the system will shut down and the hand held remote control will read OFF. If you turn the system ON when room temperature is still at or above this temperature, the system will again shutdown after 2 minutes when room temperature is recalculated.

CONTINUOUS PILOT FEATURE:

Activation of this optional feature is accomplished by pressing the PILOT button once. The continuous pilot icon will appear on the LCD screen. Pressing PILOT button again will de-activate this feature.

This feature can also be activated via CONTINUOUS PILOT switch on Main Control Module.

CHILDPROOF FEATURE:

Activation of this optional feature is accomplished by pushing SET & UP buttons simultaneously for 5 seconds. The childproof icon will appear on the screen. When a transmitter button is pressed the icon will flash on screen, but no signal will be transmitted. Pressing and holding these same two buttons again for more than 5 seconds will de-activate this function.

This feature controls only manual functions of the hand held remote, automatic functions (thermostat mode) will not be effected.

NOTE

This system is sent to you set up for Natural Gas and temperature units readable in Fahrenheit.

This system allows for gas type conversion and temperature unit conversion by following the setup procedure outlined below.

GAS TYPE CONVERSION:

Press and hold Learn Button on Main Control Module for 20 seconds. A beep will be heard letting you know the procedure has been completed.

If converting from NAT to LP gas: (1) one second long beep

If converting from LP to Nat gas: (3) three second long beep

Continue with gas type conversion by following instructions included with gas conversion kit.

CELSIUS/FAHRENHEIT CONVERSION:

Press UP and DOWN keys simultaneously to choose Celsius or Fahrenheit.

IMPORTANT SAFETY FEATURE:

This system has a maximum room temperature limit of 95° F (35° C) in both manual and thermostat modes. When room temperature is at or above this point the system will shut down and the hand held remote control will read OFF. If you turn the system ON when room temperature is still at or above this temperature, the system will again shutdown after 2 minutes when room temperature is recalculated.

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Activation of this optional feature is accomplished by pressing the PILOT button once. The continuous pilot icon will appear on the LCD screen. Pressing PILOT button again will de-activate this feature.

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This feature controls only manual functions of the hand held remote, automatic functions (thermostat mode) will not be effected.
REMOTE CONTROL INFORMATION cont.

MANUAL MODE:
This remote can be manually or thermostatically operated. Press MODE button for manual ON. The flame icon will appear on the LCD screen. Press MODE button again to put the control into THERMO mode. Pressing MODE again will turn fireplace OFF.

NOTE
The MODE button operates in a series that will cycle from ON to THERMO to OFF.

FAN MODE: (operational with optional fan kit)
This remote will operate the fan, allowing for (6) different speed levels. When the FAN button is pressed, FAN level setting will flash on the LCD screen. Press UP or DOWN buttons to select desired fan speed level. If no adjustment is made within 7 seconds, the control will exit function setting mode and LCD display will return to normal view.

NOTE
Delayed ON/OFF - The fan will not turn on until fireplace has been burning for 5 minutes and will not turn off for 12 minutes after fireplace has been turned off.
EXCEPTION: If fireplace is turned back on during 12 minute off-delay time frame, the fan will remain on.
This applies to MANUAL and THERMO modes.

LIGHTING MODE:
This remote will operate the lights, allowing for (6) different light levels. When LIGHT button is pressed, LIGHT level setting will flash on the LCD screen. Press UP or DOWN buttons to select desired light level. If no adjustment is made within 7 seconds, the control will exit function setting mode and LCD display will return to normal view.

NOTE
There is a 3 second delay before light level setting is achieved.
Light operations are completely independent from flame and fan operations.

FLAME MODE:
This remote will operate the flame, allowing for (6) different flame height levels. When MAIN FLAME button is pressed, FLAME level setting will flash on the LCD screen. Press UP or DOWN buttons to select desired flame level. If no adjustment is made within 7 seconds, the control will exit function setting mode and LCD display will return to normal view.

NOTE
The fireplace will initially light at the highest level. After 5 seconds the flame will adjust to last chosen level before fireplace was turned OFF.
This applies to MANUAL and THERMO modes.
THERMO (THERMOSTAT) MODE:

This remote feature allows you to thermostatically control the fireplace when hand held remote is set to THERMO mode.

Set Temperature Range: 45°F (7°C) to 90°F (32°C).

Set remote to THERMO mode by pressing MODE button. The smaller SET window of numbers appears on the LCD screen. The first SET number will read 45°F. Press UP button to desired set room temperature. Within 5 seconds fireplace will operate to that Set Temperature. The FLAME, ON and THERMO icons will appear on the LCD screen. By pressing UP or DOWN buttons a new set temperature may be attained.

**NOTE**
The flame height can adjust up to (6) different height levels according to amount of heat required. This range however is dictated by the Flame Level setting (see previous page). When desired temperature is met, the fireplace will shut off until more heat is required.

To exit THERMO mode press the MODE button. This also shuts fireplace OFF.

**IMPORTANT**
When in THERMO mode the fireplace will not turn on until room temperature falls below SET TEMPERATURE.

SYSTEM OPERATION WITHOUT HAND HELD REMOTE:

This system is designed to operate with the hand held remote or a thermostat, but in the unlikely event that it is required to be operated without the hand held remote or a thermostat, follow this simple procedure.

Slide REMOTE /OFF switch on main control module to OFF. The fireplace can now be lit and shut off by use of the ON/OFF rocker switch.

**NOTE**
When operating fireplace in this capacity, the only function available is burner operation on HI.
FOR YOUR SAFETY - READ BEFORE OPERATING

WARNING

IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

1. This appliance is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.

2. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

* Do not try to light any appliance.

* Do not touch any electrical switches; do not use the 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.

3. 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.

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WARNING

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE. CLOTHING OR OTHER FLAMMABLE MATERIAL MUST NOT BE PLACED ON OR NEAR THE APPLIANCE.

NOTE

A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO LEAVE THE FAN OFF DURING THIS PERIOD TO HELP SPEED THE PAINT CURING PROCESS.

THIS FIREPLACE MAY PRODUCE NOISES OF VARYING DEGREE AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT THE PERFORMANCE OR LONGEVITY OF THE FIREPLACE.

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.
STOP! Read safety information on previous page and front cover of this manual before continuing.

1. Turn off all electric power to the appliance.

ATTENTION This appliance is equipped with an ignition device which automatically lights the pilot. DO NOT try to light the pilot by hand.

2. Press hand held remote MODE button to OFF.

3. Wait five (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’ below. If you don’t smell gas, go to next step.

WHAT TO DO IF YOU SMELL GAS
* Do not try to light any appliance.
* Do not touch any electric switch; do not use the 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.

4. Turn ON all electric power to fireplace.

5. Press hand held remote MODE button to ON.

CAUTION If fireplace will not operate, follow instructions TO TURN GAS OFF TO APPLIANCE and call your service technician or the gas supplier.

NOTE When fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several minutes.

TO TURN GAS OFF TO APPLIANCE

1. Press hand held remote MODE button to OFF.

2. Turn OFF all electric power to appliance if service is to be performed.

3. Open lower grill to access manual shut-off valve located under firebox. Turn manual shut-off valve to OFF.
INLET PRESSURE TEST:

1. Loosen inlet (IN) pressure tap screw (counter-clockwise).
2. Attach manometer using a 1/4" I.D. hose.
3. Light fireplace using hand held remote control. Note manometer reading.
4. Turn fireplace off using hand held remote control.
5. Disconnect hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
9. Relight fireplace using hand held remote control. Reattach manometer to inlet pressure tap to verify it is completely sealed. Manometer should read no pressure.

NOTE: If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust incoming gas pressure.

CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION.
ERROR CODES

IGNITION SAFETY: Protection for Ignition System

Error Code: One beep every one second.

Description of Fault: Warns users if pilot is not successfully ignited in 60 seconds.

How to Clear: Press MODE button to OFF then to ON to re-attempt ignition.

What to Check:
- Ensure gas supply is turned on.
- Ensure black cap leads marked PILOT from module are plugged into PILOT connection on valve body.
- Verify lead from igniter on pilot assembly is connected to ‘I’ terminal on main control module. (Clicking sound will also be heard).
- Verify lead from flame sensor on pilot assembly is connected to ‘S’ terminal on main control module. (Pilot will light but main burner will not. Pilot will extinguish after 60 seconds and error code will alarm).
- Verify black ground lead is connected to tab extending from valve bracket.

SENSOR SAFETY: Protection for Flame Sensor

Error Code: Four beeps every one second.

Description of Fault: Warns users pilot flame sensor detects a pilot flame already present when ignition sequence is initiated. This fault will also occur if pilot flame sensor on main control module is shorted to ground.

How to Clear: Press MODE button to OFF then to ON to re-attempt ignition.

What to Check:
- Check if pilot flame is actually present when valve is turned OFF (if yes, replace valve).
- Replace pilot assembly.
- Replace module.

THERMAL SAFETY: Overheat Protection

Error Code: Four beeps every two seconds.

Description of Fault: Warns users that module’s internal temperatures have exceeded 170°F (77°C).

How to Clear: Module’s internal temperatures must cool to below 160°F (71°C) and then press ON button.

What to Check:
- Are modules located in an unapproved location. Move to cooler location.

COMMUNICATION SAFETY: Protection for Ignition System

Error Code: One beep every four seconds.

Description of Fault: Warns users the hand held remote and main control module are not communicating properly. This safety feature is active in both manual and thermo modes. The remote control sends a communication safety signal every 15 minutes. If the main control module does not receive this signal, it begins a 2-hour countdown. If no communication safety signal is received at the end of this countdown, the system will enter communication safety shutdown which turns system OFF and emits the error code.

What to Check:
- Verify batteries in hand held remote control are new.
- Ensure remote control is located within 20ft. (6m) of main control module.
- Ensure remote control is not placed directly on top of or inside a metal enclosure as this can interfere with transmission.
**FACTORY SET BURNER TUBE VENTURI SETTINGS**

(ADJUST AS NECESSARY FOR YOUR INSTALLATION)

<table>
<thead>
<tr>
<th>NATURAL GAS</th>
<th>LP (PROPANE) GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8” (3mm) OPEN</td>
<td>5/8” (16mm)</td>
</tr>
</tbody>
</table>

**TO ADJUST VENTURI:**

1. Remove glass frame assembly, glass media, burner cover and burner from fireplace.
2. Loosen burner venturi screw, make adjustment, retighten screw.
3. Re-install burner, making sure venturi is positioned over burner orifice.
4. Reinstall burner cover, glass media, and glass frame assembly.
5. Light fireplace. Wait at least 15 minutes before determining if any further adjustments are necessary.
RESTRICTOR USAGE:

Turn fireplace on and allow to burn for 15 minutes.
If flames indicate there is excessive draft (flickering, short flames), a restrictor may be necessary.
If flames indicate insufficient draft (lifting or ghosting flames), a previously installed restrictor may need to be modified or removed.

WARNING

TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, ALLOW FIREPLACE AMPLE TIME TO COOL BEFORE MAKING ANY ADJUSTMENTS AND / OR INSTALLATIONS.

RESTRICTOR TROUBLESHOOTING

<table>
<thead>
<tr>
<th>FLAME APPEARANCE</th>
<th>DRAFT PROBLEM</th>
<th>RESTRICTOR SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short, flickering</td>
<td>Excessive draft - not enough restriction</td>
<td>Add restrictor</td>
</tr>
<tr>
<td>Lifting or ghosting*</td>
<td>Insufficient draft - too much restriction</td>
<td>Remove inner ring (s) on restrictor or remove restrictor</td>
</tr>
</tbody>
</table>

* Improper venting installation may cause flames to lift or “ghost” - a dangerous situation. Inspect flames after installation to ensure proper performance. If determined that venting is correct, and the restrictor has been removed, yet flames are still lifting or ghosting, shut off gas supply to fireplace and call a qualified service technician.

RESTRICTOR INSTALLATION / MODIFICATION (after termination completion):

If it is determined that a restrictor is needed or restrictor modification is required after termination is installed, access can be reached through the fireplace baffle.

2. Remove (2) screws securing termination access panel. Release panel tabs from slots in baffle.
3. Depending on your specific needs, determined by chart above along with other factors, make necessary modifications.
4. If installation of a restrictor (included in fireplace components packet) is necessary, bend tabs on restrictor to approx. 80 degree angles to create tension when inserted into exhaust pipe on fireplace. Insert restrictor into 5” exhaust pipe with tabs pointing towards you.
5. If modification is necessary, remove restrictor by pulling it down and out of 5” exhaust pipe.
6. Reinstall termination access panel, inserting tabs in panel into slots in baffle. Secure with (2) screws previously removed.
7. Re-install glass frame assembly and light fireplace. Wait 15 minutes before determining if any further modifications are necessary.
MAINTENANCE

The appliance is required to be inspected at least once a year by a professional service person.

The compartment below firebox must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, or other fibrous materials. Use a vacuum to clean all components at least once a year.

| NOTE | INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED 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 CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN. |

CONTROL BOARD SYSTEM

- Annual cleaning of the burner system is required. Vacuum all components thoroughly.
- The burner assembly may be removed for easier access. Refer to page 28 in this installation manual for complete instruction on removing & reinstalling the burner assembly.
- Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.
- Reinstall burner assembly following instructions on page 28 of this installation manual.
- Visually check pilot light and burner when in operation. The flames should be steady, not lifting or floating.

![Burner Orifice](image)

FAN

The fan should be disconnected from electrical current, and cleaned (vacuumed) every six months. The bearings are sealed and require no oiling.

VENT SYSTEM

Annual examination of venting system by a qualified agency is required.

IF VENT-AIR INTAKE SYSTEM IS DISASSEMBLED FOR ANY REASON, RE-INSTALL PER INSTRUCTIONS PROVIDED WITH INITIAL INSTALLATION.

The flow of combustion and ventilation air must not be obstructed.

GLASS CLEANING & REPLACEMENT

- Clean glass only when cool and only with non-abrasive cleansers.
  WARNING: DO NOT OPERATE APPLIANCE WITH GLASS/FRAME ASSEMBLY REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD ONLY BE PERFORMED BY A LICENSED OR QUALIFIED SERVICE PERSON.
- Use protective gloves to handle any broken or damaged glass assembly components.
- The glass assembly, part #SL42-057T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.
- Replacement of glass & frame assembly, part #SL42-057T, must only be performed by a licensed or qualified service person.
  DO NOT SUBSTITUTE MATERIALS.
- Do not strike or slam glass door assembly.

IMPORTANT ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CAUTION LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

KEEP APPLIANCE AREA CLEAR OF COMBUSTIBLE MATERIALS, SUCH AS GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS.
MAIN CONTROL MODULE WILL NOT LEARN TRANSMITTER

- Ensure REMOTE/OFF switch on side of main control module is set to REMOTE.
- Make sure batteries in both the hand held remote and backup battery pack are installed in the proper direction and are not drained.
- Verify hand held remote indicates a signal is being sent. The LCD display should indicate ON or OFF depending on which button is being pressed. The LED indicator should illuminate on wall transmitters and on/off transmitters. Buttons should be pressed and held for 1 to 2 seconds to ensure a complete signal is sent.
- Ensure 4-pin lead-set is securely connected from battery pack to main control module’s AUX connection. If the A/C adapter is used, check that leads from adapter are securely connected to POWER terminals on main control module.
- Press and hold LEARN button on main control module for approximately 10 seconds to clear memory (you should hear a series of beeps from the receiver), immediately press either the ON or OFF button on hand held remote (you should hear a series of beeps indicating the transmitter code has been learned).

PILOT WILL NOT LIGHT / STAY LIT

- Verify gas supply is turned on.
- Verify main control module is receiving signal from hand held remote by listening for a beep from receiver when ON is pressed on hand held remote. If you do not hear a beep, ensure main control module has learned the hand held remote. (See above).
- Ensure black lead from pilot assembly igniter is securely connected to terminal labeled ‘I’ and red lead from flame rectification sensor is securely connected terminal labeled ‘S’ on main control module.
- Make sure black cap leads marked PILOT from main control module are securely connected to terminals labeled PILOT on valve body.
- Ensure black GROUND wire is securely connected to tab located next to ON/OFF toggle switch. A proper ground is essential to spark igniter operation.
- Make sure pilot flame is in contact with flame rectification sensor on pilot assembly. This valve is equipped with a pilot flame adjustment screw. If pilot flame is too small it will not contact flame rectification sensor and will not complete the safety circuit.
- Check continuity of pilot on valve. Remove wire connector. If there is no continuity on pin terminals, replace valve.

PILOT FLAME ALWAYS ON / WILL NOT EXTINGUISH

- Ensure continuous pilot icon is not present in LCD screen. If icon is present, press PILOT button. This will de-activate the continuous pilot feature and the icon will disappear from LCD screen.

PILOT BURNING BUT IGNITER CONTINUES TO SPARK

- Check that flame sensor is fully impinged by pilot flame. If needed, adjust pilot.
- Check end-to-end continuity of sensor. If sensor has continuity, replace module.
TROUBLESHOOTING

MAIN FLAME WILL NOT LIGHT

♦ Verify gas supply is turned on.
♦ Ensure pilot flame will ignite. If not, see pilot flame troubleshooting on previous page.
♦ Make sure white cap leads marked MAIN from module are securely connected to terminals marked MAIN on valve body.
♦ Make certain pilot flame is in contact with flame rectification sensor on pilot assembly. This valve is equipped with a pilot flame adjustment screw. If pilot flame is too small it will not contact flame rectification sensor and will not complete the safety circuit.
♦ Ensure pilot flame is properly located to ignite main flame.
♦ Does hand held remote show CP in the display? If yes, childproof is on. De-activate by pushing PROG/TIME & UP keys at same time for more than 5 seconds.
♦ Check continuity of main burner coil on gas valve. Remove wire connector. If there is no continuity on pin terminals, replace valve.

FLAME HEIGHT ADJUSTMENT NOT WORKING / WORKS BACKWARDS

♦ Ensure ‘+’ (white dotted wire) and ‘—’ (black wire) leads from battery pack or module are securely connected to ‘+’ (white dotted wire) and ‘—’ (black wire) leads from main control module (‘+’ to ‘+’, ‘—’ to ‘—’).
♦ Check functionality with all transmitters to determine if there is an issue with the main control system or an individual transmitter. If the issue is with an individual transmitter, make sure batteries in hand held remote and backup battery pack are installed properly and are not drained.

ROOM TEMP. DISPLAYED ON HANDHELD REMOTE NOT CORRECT

♦ Ensure transmitter was not recently stored in a different location (air-conditioned, heated) from that in which the hand held remote was tested. It may take up to 3 hours for the temperature inside a packaged transmitter, and several minutes for an unpackaged transmitter to equalize with room temperature.

FIREPLACE WILL NOT RESPOND IN ‘THERMO’ MODE

♦ Ensure hand held remote is within 20ft. (6.096m) operational range.
♦ Make sure an ON or OFF command was not last sent from another transmitter. These commands will override thermal commands from the handheld remote control. To return system to THERMO mode, press either ON or OFF on hand held remote, then press MODE button to put system in THERMO mode. Press and hold SET button to change set temperature.
♦ Verify set temperature on hand held remote is at least 2°F (1°C) above or below room temperature. The system will not react to temperatures within 2°F (1°C) of set temperature.
CONVERSION KIT INSTRUCTIONS

#OCK-A31N-I-SL42-PSE NAT GAS CONVERSION KIT / #OCK-A47L-I-SL42-PSE LP GAS CONVERSION KIT

WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturers instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or productions of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of this kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the manufacturer’s instructions supplied with the kit. Refer to appliance owner’s manual or product data plate for proper inlet and manifold pressure adjustments and orifice sizing.

IMPORTANT

For high altitude installations: Above 2000ft. (610m) US / 4500ft. (1372m) Canada, consult local gas distributor or authority having jurisdiction for proper de-rating methods.

Kit includes:

- (1) Gas Conversion Label
- (1) Burner Orifice: NAT #31 / LP #47
- (1) Gas Type Label
- (1) Pilot Orifice: NAT #.018 / LP #.012
- (1) Low Limit Screw: NAT #42 / LP #53

CAUTION

THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER, BEFORE PROCEEDING WITH THE CONVERSION.

WARNING

SHUT OFF GAS SUPPLY AND ELECTRIC POWER TO FIREPLACE.
SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ELECTRIC POWER.

PREPARE THE FIREPLACE:

Remove glass frame assembly, glass media, burner cover, and pilot assembly housing.

REPLACE BURNER ORIFICE:

1. Remove burner tube.
2. Remove existing orifice cap. Replace with orifice cap included with kit, making sure to tighten cap securely. (Number stamped on orifice).

NAT. GAS: #31 orifice
L.P. GAS: #47 orifice

CONVERT PILOT ASSEMBLY:

1. Remove (2) screws securing pilot assembly to pilot bracket. Place 7/16” wrench on upper fitting and 1/2” wrench onto lower fitting, turn pilot hood nut counter-clockwise to remove pilot hood.
2. Remove pilot orifice located inside lower fitting and replace with one included with kit. (Number stamped on pilot orifice).

NAT. GAS: .018
L.P. GAS: .012
3. Re-attach pilot hood. Tighten with wrenches, making sure pilot hood is positioned as shown in Figure 46d. Final alignment of sensor and hood outlet is critical for proper ignition.
4. Attach pilot assembly to pilot bracket with screws previously removed.
5. Reinstall pilot assembly housing.

WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturers instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or productions of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of this kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the manufacturer’s instructions supplied with the kit. Refer to appliance owner’s manual or product data plate for proper inlet and manifold pressure adjustments and orifice sizing.

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For high altitude installations: Above 2000ft. (610m) US / 4500ft. (1372m) Canada, consult local gas distributor or authority having jurisdiction for proper de-rating methods.

CAUTION

WARNING

THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER, BEFORE PROCEEDING WITH THE CONVERSION.

SHUT OFF GAS SUPPLY AND ELECTRIC POWER TO FIREPLACE.
SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ELECTRIC POWER.
GAS TYPE CONVERSION:

Press and hold Learn Button on Main Control Module for 20 seconds (access hole on right hand side of outer wrap). A beep will be heard letting you know the procedure has been completed.

If converting from NAT to LP gas: one (1) second long beep
If converting from LP to Nat gas: three (3) second long beep

CONVERT THE GAS CONTROL VALVE:

1. Remove cap covering the pressure regulator.
2. Press down on pressure regulator tube and rotate 90°. The shaft should pop out and point to chosen gas. Re-attach cap.
3. Remove low limit screw (above valve motor; see page 39). Replace with one included in kit. (Number stamped on low limit screw.)
   - NAT. GAS: #42
   - L.P. GAS: #53

COMPLETE THE CONVERSION:

1. Adjust burner tube venturi to correct setting by loosening screws adjusting cap and retightening screw.
   - CORRECT SETTINGS: NAT: 1/8" (3mm) open / LP: 5/8" (16mm) open
2. Re-install burner tube into fireplace, making sure orifice is properly seated inside burner venturi, and tube is seated into mounting cradles.
3. Re-install burner cover, aligning mounting holes with corresponding holes in mounting cradles. Secure with (10) screws previously removed.
4. Re-install glass media, being careful not to block pilot.
5. Turn on gas and electrical supplies, following lighting and shutdown instructions as outlined on pages 37-38. Check for leaks at all connections with soapy water, whether field or factory made.
6. Test inlet pressure, referring to page 39 for proper testing procedures. Chart below states proper pressure readings.
7. Visually check pilot flame. Flame should envelope top of flame sensor and extend onto burner far enough for proper ignition. To Adjust pilot: Turn pilot adjustment screw clockwise to decrease or counter-clockwise to increase pilot flame.
8. Turn fireplace off.
9. Affix gas type sticker to label.
10. Re-install glass frame.
11. Verify proper ignition and operation of fireplace. Refer to page 41 for proper pilot and burner flame appearance and adjustment.
12. Complete and affix ‘Gas Conversion’ label as close to rating plate as possible.

<table>
<thead>
<tr>
<th></th>
<th>NATURAL GAS</th>
<th>LP GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN. INLET GAS PRESSURE</td>
<td>5” WC (1.25 kPa) (7” WC (1.74 kPa) recommended)</td>
<td>11” WC (2.74 kPa) (recommended)</td>
</tr>
<tr>
<td>MAX. INLET GAS PRESSURE</td>
<td>10.5” WC (2.62 kPa)</td>
<td>13” WC (3.24 kPa)</td>
</tr>
<tr>
<td>MANIFOLD PRESSURE (HI)</td>
<td>3.5 (.87 kPa)</td>
<td>10.0 (2.49 kPa)</td>
</tr>
<tr>
<td>MANIFOLD PRESSURE (LO)</td>
<td>0.6 (.15 kPa)</td>
<td>1.5 (.37 kPa)</td>
</tr>
</tbody>
</table>
This kit includes:

- (1) 6” (152mm) diameter flexible heat duct pipe, expandable to 20ft. (6.10m)
- (1) Register mounting frame with collar
- (1) Duct collar
- (1) Fan assembly
- (1) Fan housing cover plate
- (1) Speed control mounting bracket
- (2) Mounting bracket screws
- (11) Sheet metal screws
- (4) Sheet rock screws
- (3) Flange nuts
- (1) Strapping cord
- (3) Wire nuts
- (2) Fan wire connectors

A junction box, cover, and hardware must be purchased to mount speed control.

**SPECIFICATIONS**

- Clearance to combustibles: 0” (0mm)
- Clearance from air duct to ceiling: 2” (51mm)
- Minimum vent run: 2ft. (609mm)
- Maximum vent run: 20ft. (6.10m) in any direction including downward.

The fireplace is manufactured with (2) heat duct knock-outs. One or both may be utilized.

The register mounting frame is designed to fit between 2” x 4” stud walls, 16” (406mm) on center.

Oval duct pipe (equivalent to 6” round) may be used in conjunction with 6” (152mm) diameter flexible heat duct pipe included with this kit. It must be purchased from a HVAC supplier.

Carefully plan location of duct pipe runs and register in relation to fireplace. Refer to illustration below.
#970 HEAT DUCT KIT INSTRUCTIONS

PREPARE THE FIREPLACE

1. Remove one 6" diameter knock-out located at top of fireplace. If both heat ducts will be used, remove both knock-outs.

2. Bend 3 tabs up & out far enough to allow duct collar & duct pipe installation.

3. For each 6” knock-out removed in step 1, remove knock-out located directly below previously removed knock-out.

4. Slide duct collar, with circulation holes facing downward, into 6” knock-out until it rests on top of heat shield.

ATTACH DUCT PIPE TO FIREPLACE

1. Slide 6” (152mm) duct pipe (s) over collar (s) until resting on top of fireplace.

2. Bend tabs up and over duct pipe. Using included screws, secure duct pipe to collar thru holes in tabs, making sure screws penetrate thru both duct pipe and collar.

3. Position fireplace.
Register mounting frame and fan housing are designed to fit between 2” x 4” stud walls, 16” (406mm) on center. Additional framing is required if larger opening exists.

| NOTE | Fan motor on heat duct kit may be on opposite side of fan shown in photos. Romex connector and grounding screw are located on motor side of bracket. |

1. Locate and mark register position.

2. Place register mounting bracket into opening.
   
   A. Level and adjust mounting bracket. Side of mounting bracket should be flush with front of studs, front of mounting bracket should protrude 1/2” (13mm) in front of studs, allowing enough room for sheetrock installation.
   
   B. Secure mounting bracket to framing with (4) sheetrock screws, provided.

3. Install junction box on wall in desired location. This box will be used to house the speed control assembly, which controls fan speed and operation.

4. Attach (but do not tighten) flange nuts to mounting studs at back of register mounting bracket.

5. Align (3) slots on fan assembly to studs, slide fan into position. Tighten nuts to secure.

6. Slide fan wire connectors, included, onto fan terminals.

| IMPORTANT | Fan must be properly grounded. Use grounding screw (provided) to secure grounding wire to register mounting bracket. |

---

**Figure 50a**

**Figure 50b**
RUN DUCT PIPE

1. Run duct pipe to register location. If oval pipe will be used in conjunction with 6” (152mm) round duct pipe, shape round duct pipe to fit outside oval duct pipe. Secure with screws provided.

2. If oval duct pipe has not been used, shape 6” (152mm) round duct pipe so it fits outside oval collar on register mounting bracket.
   A. Slide duct pipe over oval collar until it touches register mounting bracket.
   B. Secure duct pipe to oval collar by placing locking strap around pipe, positioning it above bead on lower end of collar. (This will prevent pipe and locking strap from sliding off collar.
   C. Pull locking strap tight enough to firmly secure duct pipe.

OPTIONAL: Duct pipe may be secured with additional screws (provided).

3. If oval duct pipe has been used, slide duct pipe over oval collar on register mounting bracket, secure with sheet metal screws provided.

COMPLETE THE INSTALLATION

1. Install sheetrock or wall finish material as desired before attaching register cover and fan housing cover plate.

2. With cut-out portion over fan chute, align holes in fan housing cover plate to corresponding holes in register mounting plate and fan assembly. Secure with (4) screws provided.

3. Slide speed control through mounting bracket, secure with mounting nut.

4. Secure mounting bracket to junction box with (2) screws, provided.

5. Install register cover by centering it over fan housing cover plate. Secure to stud wall with provided white mounting screws.

6. Attach cover plate (not provided) and install control knob onto speed control.

7. Complete fireplace installation by following instructions included with fireplace.

OPERATING INSTRUCTIONS

1. Upon complete fireplace installation and after the initial burn period, turn fireplace burner ON by following lighting instructions included with fireplace (gas models).

2. Allow fireplace to heat for approximately 15 minutes.

3. Put heat duct fan into operation by turning wall-mounted speed control counter-clockwise until it ‘clicks’. The fan should turn on and will be running at its highest speed. Adjust speed to desired air flow level by turning speed control knob counter-clockwise.

MAINTENANCE

The duct register must be kept clear and unobstructed. Clean and vacuum as necessary to remove dust, lint, etc. from fan which will inhibit air flow.

Register cover and fan housing should be removed at least annually to remove dust, lint, etc. from fan. More frequent cleaning may be necessary.

The fireplace must be maintained and services as outlined in the unit installation and operating instructions.
**REPLACEMENT PARTS LIST**

Replacement parts are available through your local dealer. Contact them for availability and pricing.

<table>
<thead>
<tr>
<th>CONTROL BOARD AND PARTS</th>
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<tbody>
<tr>
<td>SL42-600-IPI</td>
<td>SLA-42 IPI Control Board - Nat Gas</td>
<td>700-751</td>
</tr>
<tr>
<td></td>
<td>Battery Back-up with (4) AA Batteries</td>
<td></td>
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<tr>
<td>SL42-601-IPI</td>
<td>SLA-42 IPI Control Board - LP Gas</td>
<td>700-203</td>
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<tr>
<td></td>
<td>Manual Shut-off Valve</td>
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<tr>
<td>700-400-06</td>
<td>Main Control Module</td>
<td>700-213B</td>
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<tr>
<td></td>
<td>18” Flexible Gas Line-Black</td>
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<tr>
<td>700-404-SL42</td>
<td>IPI Valve - Natural</td>
<td>700-194</td>
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<tr>
<td></td>
<td>Flexible Gas Line-Valve to Burner Connection</td>
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<tr>
<td>700-404-SL42-1</td>
<td>IPI Valve - LP</td>
<td>700-231</td>
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<td></td>
<td>Natural Gas Orifice #31</td>
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<tr>
<td>700-200</td>
<td>Pilot Assembly - Natural Gas</td>
<td>700-247</td>
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<tr>
<td></td>
<td>LP Gas Orifice #47</td>
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<tr>
<td>700-200-1</td>
<td>Pilot Assembly - LP Gas</td>
<td>OCK-A31N-1-SL42-PSE</td>
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<td></td>
<td>Natural Gas Conversion Kit</td>
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<tr>
<td>700-800</td>
<td>8-PIN Primary Wire Harness: Primary Wire Harness</td>
<td>OCK-A47L-1-SL42-PSE</td>
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<td>LP Gas Conversion Kit</td>
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<tr>
<td>700-500</td>
<td>5-PIN Wire Harness: Main Module to Valve Step Motor</td>
<td>SL42-035</td>
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<td>Burner Tube</td>
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<td>700-120</td>
<td>Extension Module</td>
<td>SL42-350</td>
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<td>Burner Cover</td>
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<td>700-401</td>
<td>4-PIN Wire Harness: Control Module to Extension Module</td>
<td>700-342</td>
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<td>NAT Low Limit Screw #42</td>
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<td>700-750</td>
<td>7.5 Volt Adaptor</td>
<td>700-353</td>
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<td>LP Low Limit Screw #53</td>
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<tr>
<td>700-208</td>
<td>IPI Remote Control</td>
<td>700-754</td>
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<tr>
<td></td>
<td>Pilot Igniter (with wire)</td>
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<tr>
<td>700-094P</td>
<td>#.018 IPI NAT. Gas Pilot Orifice</td>
<td>700-755</td>
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<td></td>
<td>Pilot Flame Sensor (with wire)</td>
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<tr>
<td>700-095P</td>
<td>#.012 IPI LP Gas Pilot Orifice</td>
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<thead>
<tr>
<th>GLASS &amp; GLASS GASKET</th>
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<tbody>
<tr>
<td>SL42-005</td>
<td>Replacement Valance</td>
<td></td>
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<tr>
<td>900-006</td>
<td>1-1/8” Glass gasket w/ adhesive</td>
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<tr>
<td>SL42-037T</td>
<td>Valance with 17-5/8” (1141mm) x 44-5/16” (448mm) glass</td>
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<thead>
<tr>
<th>LIGHT KIT</th>
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<tbody>
<tr>
<td>SL42-BLK</td>
<td>Light Kit (bottom)</td>
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<tr>
<td>600-676</td>
<td>35W 130V Halogen Bulb</td>
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<tr>
<td>600-678</td>
<td>Amber Disk</td>
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<table>
<thead>
<tr>
<th>FAN KIT</th>
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<th></th>
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<tbody>
<tr>
<td>SL42-028</td>
<td>Fan Kit</td>
<td></td>
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</tbody>
</table>

*Consult your dealer for information on optional accessories available for this fireplace.

This appliance tested & certified by: OMNI - Test Laboratories, Inc.
13327 NE Airport Way
Portland, Oregon 97230

Manufactured by: Hussong Mfg. Co., Inc.
204 Industrial Park Drive
Lakefield, Minnesota 56150
507-862-6641

Model #SLA-42 Slayton 42

www.kozyheat.com

PAGE 52
LIMITED WARRANTY

KOZY HEAT LIMITED 10 YEAR WARRANTY

This limited 10 Year Warranty will not become effective until the Warranty Registration Form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in delayed warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warranties to the original purchaser of this Kozy Heat Fireplace, that it is free of defects in materials and workmanship at the time of manufacture.

Subject to the following conditions & requirements, Hussong Manufacturing Co., Inc. extends the following limited warranty under normal use and service, with respect to the Kozy Heat line of gas burning fireplaces.

YEAR 1: Subject to the conditions & requirements listed below, within the first year from date of purchase, Hussong Manufacturing Co., Inc. shall, at its discretion, replace or repair any such defect in material or workmanship, at Hussong Manufacturing Co., Inc.’s expense, including reasonable labor costs to repair or replace the defective component, if a factory pre-authorization is given for the repair.

YEARS 2-10: Subject to the conditions & requirements listed below, beginning with the first day of the second year and continuing through the tenth year, Hussong Manufacturing Co., Inc. will at its discretion, provide repair or replacement parts at current list prices for any defect in material or workmanship of components, including optional components and accessories (if available). Hussong Manufacturing Co., Inc. shall not be responsible for any installation, labor, transportation of other indirect costs.

LIMITATION OF LIABILITY

To make a claim under this warranty, the purchaser must first contact the dealer/installer from whom the fireplace was purchased.

This limited warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void.

This limited warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished.

This warranty is limited to defects in material and workmanship. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this warranty or to accept on Hussong Manufacturing Co., Inc.’s behalf any additional obligation of liability connected with the unit.

It is expressly agreed and understood that this warranty is Hussong Manufacturing Co., Inc.’s sole obligation and purchaser’s exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties or merchantability and fitness for a particular purpose. This warranty replaces all previous warranty policies.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions 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.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

WARRANTY CONDITIONS & REQUIREMENTS:

1. You are the original purchaser. This warranty is not transferable.
2. Installation of the fireplace is performed by a qualified installer.
3. Installation and operation must comply with installation and operation instructions.
4. Paint and glass gaskets are covered for 30 days from date of purchase.
5. Remote controls and all optional accessories are covered for 1 year from date of purchase.
6. This warranty does not offer coverage for Light Bulbs or Batteries (whether factory, dealer or installer supplied). This includes any damage stemming from either component’s nonuse.
7. Components broken, (including glass panels), during shipping, careless handling of components, or defects resulting from improper installation, misuse of the fireplace and components are not covered under this warranty.
8. This warranty does not cover any part of the fireplace or any components which have been exposed to or submerged under water.
9. Hussong Manufacturing Co., Inc. must be notified by the dealer the fireplace was purchased from or a qualified installer/service technician of the defect.
10. Annual service of the fireplace as required in the installation manual, is performed by a qualified installer/service technician.
11. All previous warranty/service has been performed by a qualified installer or service technician.

(Copies of such service records may be required to claim a warranty).

Effective September 01, 2011
LIFETIME WARRANTY

KOZY HEAT
FIREPLACES

LIFETIME WARRANTY

THIS LIFETIME WARRANTY COVERAGE WILL BE EXTENDED AS DESCRIBED BELOW PROVIDED ALL WARRANTY CONDITIONS AND REQUIREMENTS ARE MET AS OUTLINED IN THE 10 YEAR LIMITED WARRANTY POLICY.

LIFETIME WARRANTY COVERAGE

LIFETIME WARRANTY IS EXTENDED AS FOLLOWS: Hussong Manufacturing warrants to the original purchaser that the firebox, heat exchanger, fiber logs, burner tube and glass of this Kozy Heat fireplace will not be defective in material or workmanship under normal use and service for as long as you own this product. If any of these components fail due to defects in material or workmanship under normal use and service, Hussong Manufacturing Co., Inc. will, at its sole discretion, repair or replace the defective component. This LIFETIME WARRANTY does not cover any installation, labor, transportation or other indirect costs arising from defective components.

LIMITATION OF LIABILITY

This Lifetime warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void. This lifetime warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished. This warranty is limited to defects in material and workmanship of components specified. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this Lifetime warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

Hussong Manufacturing Co., Inc. may fully discharge all obligations with respect to this Lifetime warranty by refunding the wholesale price of the defective component(s).

It is expressly agreed and understood that this Lifetime warranty is Hussong Manufacturing Co., Inc.'s sole obligation and original purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever other than those incurred by Hussong Manufacturing Co., Inc. to repair or replace the defective component. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. This lifetime warranty replaces all previous lifetime warranty policies.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

JUNE 1998

TO ACTIVATE THIS LIFETIME WARRANTY COVERAGE, THIS REGISTRATION CARD MUST BE COMPLETED AND MAILED WITH YOUR COMPLETED 10 YEAR LIMITED WARRANTY FORM WITHIN 30 DAYS OF INSTALLATION.

PURCHASER’S NAME: ___________________________ INSTALLATION DATE: __________

ADDRESS: __________________________________

MODEL#: __________________ SERIAL #: __________

TELEPHONE # __________________

INSTALLER NAME: ___________________________

ADDRESS: __________________________________

TELEPHONE # __________________