DO NOT DISCARD

Installer: Leave this manual with the appliance.
Consumer: Retain this manual for future reference.

IMPORTANT: This appliance is only for use with the type(s) of gas indicated on the rating plate. An LP conversion kit is available when using Liquid Propane gas; order separately.

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes. A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4

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

— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

— WHAT TO DO IF YOU SMELL GAS
  • Do not try to light any appliance.
  • Do not touch any electrical switch; do not use any phone in your building.
  • Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
  • If you cannot reach your gas supplier, call the fire department.

— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

DANGER

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

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

These products have been tested and listed for use in the USA and Canada by:
Underwriters Laboratories,
Northbrook, IL

File #MH48906

www.stellarhearth.com
Listing Label Information & Homeowner Reference

This manual should be read thoroughly before installing or operating the fireplace. Installers, please leave manual for the homeowner to use for future reference.

Please have the fireplace model information available when contacting a dealer or Stellar Hearth for additional information and service work. The model information regarding your fireplace can be found on the rating plate located in the valve control area underneath the burner assembly of the fireplace.

Once you have located the rating plate, record the following information and keep with your records:

Model Name: __________________________ Type of Gas: __________________________
Date Installed: __________________________ MFG Date: __________________________
Serial Number: __________________________ Dealer Purchased From: __________________________

Note: Your particular rating plate may look different than the plate shown in this example.

---

GAS-FIRED

LISTED

UL

4RP2

Model/Modèle: VP-36T □
VP-36M □

DATE OF MFG.
DATE DU MANUFACTURIER

SERIAL NO.
NUMÉRO DE SÉRIE

Vented Gas Fireplace
Foyer au Gaz à Évacuation
Not For Use With Solid Fuel
Ne Pas Utiliser Avec du Combustible Solide

This vented gas fireplace is not for use with air filters / Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation.
This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54 for Natural Gas and Propane Installation Codes, CSA B149.1.
Install l'appareil selon les codes ou réglementations locaux, ou, en l'absence de tels règlements, selon les codes d'installation Z223.1/NFPA 54, National Fuel Gas Code, ou CSA B149.1 en vigueur.

This unit is equipped for use with/Pour nous, cet appareil est équipé avec: NATURAL GAS □ PROpane ([L.P.]

Input and Orifice Specifications/Spécifications de l’arrivée de gaz et des orifices – VP-36T

<table>
<thead>
<tr>
<th>N.G.</th>
<th>L.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Input Rating (BTU/Hr)</td>
<td>38,500</td>
</tr>
<tr>
<td>Minimum Input Rating (BTU/Hr)</td>
<td>21,500</td>
</tr>
<tr>
<td>Burner Orifice (DMS)</td>
<td>30 USA/31 Can</td>
</tr>
<tr>
<td>Manifold Pressure Hi Setting (in W.C.)</td>
<td>3.5&quot;</td>
</tr>
<tr>
<td>Manifold Pressure LO Setting (in W.C.)</td>
<td>3.5&quot;</td>
</tr>
<tr>
<td>Minimum Inlet Pressure (in W.C.)</td>
<td>5.0&quot;</td>
</tr>
</tbody>
</table>

Input and Orifice Specifications/Spécifications de l’arrivée de gaz et des orifices – VP-36M

<table>
<thead>
<tr>
<th>N.G.</th>
<th>L.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Input Rating (BTU/Hr)</td>
<td>29,000</td>
</tr>
<tr>
<td>Minimum Input Rating (BTU/Hr)</td>
<td>19,500</td>
</tr>
<tr>
<td>Burner Orifice (DMS)</td>
<td>37 USA/38 Can</td>
</tr>
<tr>
<td>Manifold Pressure Hi Setting (in W.C.)</td>
<td>3.5&quot;</td>
</tr>
<tr>
<td>Manifold Pressure LO Setting (in W.C.)</td>
<td>3.5&quot;</td>
</tr>
<tr>
<td>Minimum Inlet Pressure (in W.C.)</td>
<td>5.0&quot;</td>
</tr>
</tbody>
</table>

Minimum Clearance to Combustibles / Espaces Libres Minimum Des Matériaux Combustibles:

Unit to Sidewall (from back corner of unit to left and right sides) 1.5" (38 mm) | Mur de côté au poêle (du coin arrière de l'appareil aux côtés gauche et droit)
Unit to Backwall 1.0" (25 mm) | Mur de arrière au poêle

Minimum framed opening for installation of this appliance is / L'encadrement minimum de l'ouverture pour l'installation est:
Height/hauteur – 47.5" (1207 mm) | Width/largeur – 58.625" (1489 mm) | Depth/profondeur – 29.75" (756 mm)

This appliance is equipped only for altitudes 0-1,000 ft. (0-305m) in USA, and 0-4,500 ft. (0-1370m) in Canada.
Cet appareil est équipé pour les altitudes de 0-2000’ (0-610m) aux États-Unis, et au Canada pour les altitudes de 0-4500’ (1370m).

Blower Electrical Ratings/Evaluation du Ventilateur Électrique: 110-120 Volts 1.1 Amper 60/60 Hz
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listing Label Information &amp; Homeowner Reference</td>
<td>2</td>
</tr>
<tr>
<td>1 Safety Information</td>
<td>5</td>
</tr>
<tr>
<td>2 Commonwealth of Massachusetts Requirements</td>
<td>6</td>
</tr>
<tr>
<td>3 Specifications</td>
<td>7-10</td>
</tr>
<tr>
<td>A. Fireplace Dimensions</td>
<td>7</td>
</tr>
<tr>
<td>B. Clearances</td>
<td>8</td>
</tr>
<tr>
<td>C. Installation Overview</td>
<td>9</td>
</tr>
<tr>
<td>D. Placement Clearance Requirements</td>
<td>9</td>
</tr>
<tr>
<td>E. Clean Trim Front and Hearth</td>
<td>10</td>
</tr>
<tr>
<td>4 Prepare The Fireplace</td>
<td>11</td>
</tr>
<tr>
<td>A. Stand-Off Assembly and Installation</td>
<td></td>
</tr>
<tr>
<td>5 Framing</td>
<td>12-15</td>
</tr>
<tr>
<td>A. Wall Enclosure Rough Opening</td>
<td>12</td>
</tr>
<tr>
<td>B. Minimum Finished Opening Dimensions</td>
<td>12</td>
</tr>
<tr>
<td>C. Horizontal Termination</td>
<td>13</td>
</tr>
<tr>
<td>D. Vertical Termination</td>
<td>14</td>
</tr>
<tr>
<td>E. Corner Installation</td>
<td>14</td>
</tr>
<tr>
<td>F. Nailing Flange Assembly and Installation</td>
<td>15</td>
</tr>
<tr>
<td>6 Mantel Requirements</td>
<td>16</td>
</tr>
<tr>
<td>A. Non-combustible Zone</td>
<td></td>
</tr>
<tr>
<td>7 Glass Frame Assembly</td>
<td>16-17</td>
</tr>
<tr>
<td>A. Remove Glass Frame Assembly</td>
<td>17</td>
</tr>
<tr>
<td>B. Install Glass Frame Assembly</td>
<td>17</td>
</tr>
<tr>
<td>8 STL-160A Optional Fan Kit Installation</td>
<td>18-21</td>
</tr>
<tr>
<td>9 Thermostat Remote Control Installation</td>
<td>22</td>
</tr>
<tr>
<td>10 Gas Line Connection</td>
<td>22</td>
</tr>
<tr>
<td>A. Gas Conversion</td>
<td></td>
</tr>
<tr>
<td>11 Gas Line Specifications</td>
<td>23</td>
</tr>
<tr>
<td>A. Specifications</td>
<td></td>
</tr>
<tr>
<td>12 Venting</td>
<td>24-31</td>
</tr>
<tr>
<td>A. Approved Venting</td>
<td>24</td>
</tr>
<tr>
<td>5&quot; x 8&quot; M&amp;G Dura-Vent DVA, Metal-Fab and BDM Pro-Form, Direct Vent Systems</td>
<td></td>
</tr>
<tr>
<td>B. Horizontal Vent System Clearances</td>
<td>24</td>
</tr>
<tr>
<td>C. Horizontal Termination 24&quot; Section Requirement</td>
<td>24</td>
</tr>
<tr>
<td>D. Restrictor</td>
<td>24</td>
</tr>
<tr>
<td>E. Elbows - Horizontal</td>
<td>24</td>
</tr>
<tr>
<td>F. Wall Pass-Through</td>
<td>25</td>
</tr>
<tr>
<td>G. Horizontal Terminations</td>
<td>26</td>
</tr>
<tr>
<td>H. Corner Terminations</td>
<td>26</td>
</tr>
<tr>
<td>I. Vertical Vent System Clearances</td>
<td>27</td>
</tr>
<tr>
<td>J. Vertical Terminations</td>
<td>27</td>
</tr>
<tr>
<td>K. Elbows - Vertical</td>
<td>27</td>
</tr>
<tr>
<td>L. Horizontal &amp; Vertical Combo Terminations</td>
<td>28</td>
</tr>
<tr>
<td>M. Horizontal Cap Location &amp; Clearances</td>
<td>29-30</td>
</tr>
<tr>
<td>N. Vertical Cap Location &amp; Clearances</td>
<td>31</td>
</tr>
<tr>
<td>13 Finishing</td>
<td>32</td>
</tr>
<tr>
<td>A. Finishing the Wall</td>
<td>32</td>
</tr>
<tr>
<td>14 Optional Liner Kit and Log Set Installation</td>
<td>33-51</td>
</tr>
<tr>
<td>A. Preparation For Liner Kits &amp; Log Set Installation</td>
<td>33</td>
</tr>
<tr>
<td>A.1 Brick &amp; Ledgestone Liner Kit Preparation</td>
<td>33</td>
</tr>
<tr>
<td>A.2 No Liner or Reflective Glass Liner Kit Preparation</td>
<td>33</td>
</tr>
<tr>
<td>B. Optional Liner Kit Installation</td>
<td>34</td>
</tr>
<tr>
<td>B.1 Reflective Glass Liner</td>
<td>34</td>
</tr>
<tr>
<td>B.2 Brick or Ledgestone Liner</td>
<td>34</td>
</tr>
<tr>
<td>C. Log Set Identification</td>
<td>35</td>
</tr>
<tr>
<td>D. Log Set Installation</td>
<td>36-51</td>
</tr>
<tr>
<td>Burning Ember Placement</td>
<td>36</td>
</tr>
<tr>
<td>Step 1 - Log 1</td>
<td>37-38</td>
</tr>
<tr>
<td>Step 2 - Log 2</td>
<td>39-40</td>
</tr>
<tr>
<td>Step 3 - Log 3</td>
<td>41-42</td>
</tr>
<tr>
<td>Step 4 - Log 4</td>
<td>43-44</td>
</tr>
<tr>
<td>Step 5 - Log 5</td>
<td>45-46</td>
</tr>
<tr>
<td>Step 6 - Log 6</td>
<td>47-48</td>
</tr>
<tr>
<td>Step 7 - Log 7</td>
<td>49-50</td>
</tr>
<tr>
<td>Step 8 - Glass Embers</td>
<td>51</td>
</tr>
<tr>
<td>15 Valve &amp; Pilot Assembly Components</td>
<td>52-53</td>
</tr>
<tr>
<td>A. Valve Wiring Schematic</td>
<td>52</td>
</tr>
<tr>
<td>B. IPI Pilot Assembly</td>
<td>53</td>
</tr>
<tr>
<td>C. IPI Gas Valve</td>
<td>53</td>
</tr>
<tr>
<td>16 Control Module Components</td>
<td>53</td>
</tr>
<tr>
<td>A. Main Control Module</td>
<td>53</td>
</tr>
<tr>
<td>B. Extension Module, Battery Back-up &amp; AC Adaptor</td>
<td>53</td>
</tr>
</tbody>
</table>
# TABLE OF CONTENTS

## 17 Remote Control Operating Instructions 54-59
- A. Remote Control Icon Identification 54
- B. Remote Control Information 54
- C. Continuous Pilot - Cold Conditions 55
- D. Operation Using Battery Power 55
- E. Matching Security Codes 55
- F. Initial Set-Up 56
- G. Gas Type Conversion 56
- H. Celsius/Fahrenheit Conversion 56
- I. Important Safety Feature 56
- J. Continuous Pilot Feature 56
- K. Childproof Feature 56
- L. Manual Mode 57
- M. Fan Mode 57
- N. Lighting Mode 57
- O. Flame Mode 58
- P. Thermostat Mode 58
- Q. Operation Without Handheld Remote 59
- R. System Operation Without Handheld Remote 59

## 18 Lighting & Shutdown 60-61
- A. Lighting 61
- B. Turning Off Gas To Fireplace 61

## 19 Pressure Testing 62
- A. Inlet Pressure Testing 62

## 20 Error Codes 63
- A. Ignition Safety 63
- B. Sensor Safety 63
- C. Thermal Safety 63
- D. Communication Safety 63

## 21 Finalizing The Installation 64-65
- A. Flame Appearance 64
- B. Factory Set Venturi Settings 64
- C. Burner Tube Venturi Adjustment Guidelines 64
- D. To Adjust Burner Venturi 64
- E. Restrictor Usage 65
- F. Restrictor Troubleshooting 65
- G. Restrictor Installation/Modification 65

## 22 Maintenance 66-67
- A. IPI Board System 66
- B. Fan 66
- C. Vent System 66
- D. Glass Cleaning & Replacement 66
- E. Burner Light Bulb Replacement 67

## 23 Troubleshooting 68-69
- A. Main Control Module Will Not Work 68
- B. Pilot Will Not Light/Stay Lit 68
- C. Pilot Flame Always On/Will Not Extinguish 68
- D. Pilot Burner But Ignitor Continues To Spark 68
- E. Main Flame Will Not Light 69
- F. Flame Height Adjustments Not Working 69
- G. Room Temp Display On Remote Not Correct 69
- H. Fireplace Will Not Respond In "Thermo" Mode 69

## 24 LPCK-VP36T Conversion Kit Instructions 70-72
- A. Prepare The Fireplace 70
- B. Convert Pilot Assembly 70
- C. Replace Burner Orifice 70
- D. Gas Type Conversion 71
- E. Convert Gas Control Valve 71
- F. Complete The Conversion 71
- G. Testing For Leaks 72
- H. Inlet Pressure Test 72

## 25 Replacement Parts 73

## Lifetime Limited Warranty 74
1 - SAFETY INFORMATION

This fireplace has been tested to and complies with ANSI Z21.50a-2014-CSA 2.33a-2014 “VENTED GAS FIREPLACE” by Underwriters Laboratories, Northbrook, IL.
Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSIZ223.1/NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CSAB149.1

- 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 place 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.

- Do not operate this appliance with the glass/frame assembly removed, cracked or broken. The glass assembly, part # STL-611-011 shall only be replaced as a complete unit, as supplied by Stellar Hearth Products. Replacement of the glass assembly must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.

- Do not strike or slam glass assembly.

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

- If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

- Any barrier 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.

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

The following requirements reference various Massachusetts and national codes not contained in this manual.

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 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.

## 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.

## MANUFACTURES 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.

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.

## MANUFACTURES 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.

## 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.
3 - SPECIFICATIONS

A. FIREPLACE DIMENSIONS

<table>
<thead>
<tr>
<th>LETTER KEY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>Height</td>
<td>Width</td>
<td>Stand-off Height</td>
<td>Glass Frame Height</td>
<td>Opening Width</td>
<td>Back Width</td>
<td>Depth</td>
<td>Front to Vent Center (Vertical)</td>
<td>Floor to Vent Center (Horizontal)</td>
</tr>
<tr>
<td>MM</td>
<td>898</td>
<td>1130</td>
<td>304</td>
<td>698</td>
<td>1029</td>
<td>222</td>
<td>609</td>
<td>375</td>
<td>1101</td>
</tr>
</tbody>
</table>

Figure 3A

Front View
Viewing Area - 35" x 24"

Left Side View

Right Side View

8" (203mm)

6-7/8" (175mm)

9-1/8" (206mm)
### 3 - SPECIFICATIONS

#### FIRE WARNING

Top stand-off bracket must be attached to fireplace. Do not remove. Stand-off brackets are not load-bearing. Non-combustible zone: Stand-offs provide 12" (305 mm) 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.

#### NON-COMBUSTIBLE ZONE

**STAND-OFFS PROVIDE 12" (305 mm) 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.**

#### IMPORTANT NOTE

Other clearances apply. ALL CLEARANCES MUST BE MAINTAINED. REFER TO PAGE 14 FOR MORE INFORMATION.

### B. CLEARANCES

<table>
<thead>
<tr>
<th>Clearance Description</th>
<th>Required Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of unit face to header (cement board may be used in this area)</td>
<td>12&quot; 305mm</td>
</tr>
<tr>
<td>From unit left &amp; right sides</td>
<td>1-1/2&quot; 38mm</td>
</tr>
<tr>
<td>From surround sides (flush) at front of unit</td>
<td>0 0</td>
</tr>
<tr>
<td>To flooring under fireplace</td>
<td>0 0</td>
</tr>
<tr>
<td>Unit top to ceiling</td>
<td>48&quot; 121.9cm</td>
</tr>
<tr>
<td>Unit side to adjacent sidewall</td>
<td>6&quot; 152mm</td>
</tr>
<tr>
<td>Mantel 12&quot; (305 mm) deep from top of fireplace</td>
<td>13-1/2&quot; 343mm</td>
</tr>
<tr>
<td>From unit back</td>
<td>1-1/4&quot; 31.75mm</td>
</tr>
</tbody>
</table>

#### Figure 3B

![Diagram of fireplace clearances](image)
C. INSTALLATION OVERVIEW

1. Frame an opening for fireplace, allowing for vent installation and type of installation (corner, flat wall, type of front to be used and/or clean face application).

2. If masonry (optional) will be used, prepare foundation for the masonry load. A lintel is required to support the added weight above the fireplace.

3. Install hearth if desired.

4. Install nailing tabs onto fireplace.

5. Insert fireplace into framing.

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 flooring through holes located in outer box bottom and to framing with nailing flanges. Verify all clearances at this point.

10. Install facing material, mantel or cabinetry, allowing room for optional full size fronts, if applicable.

11. Install logs or glass and ember material.

12. Install decorative front.

13. Verify proper operation of fireplace and all components.

D. PLACEMENT CLEARANCE REQUIREMENTS

• This fireplace must be installed on a level surface capable of supporting the 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.
E. CLEAN TRIM FRONT AND HEARTH

Keep the outer dimensions of the decorative front and hearth specifications in consideration, up front, when planning the framing and finishing of the fireplace. See Section 13 - Finishing.

CLEAN TRIM FRONT

FINISH MATERIAL DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>Inches</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Finish Material Width</td>
<td>42-5/8&quot;</td>
<td>108.2cm</td>
</tr>
<tr>
<td>B Finish Material Height</td>
<td>34-1/4&quot;</td>
<td>870mm</td>
</tr>
<tr>
<td>C Clean Trim Front Width</td>
<td>42-1/4&quot;</td>
<td>140.3cm</td>
</tr>
<tr>
<td>D Clean Trim Front</td>
<td>33-5/8&quot;</td>
<td>107.3cm</td>
</tr>
</tbody>
</table>
4 - PREPARE THE FIREPLACE

FIRE WARNING

STAND-OFFS PROVIDE 12” (305 mm) 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.

IMPORTANT NOTE

TOP STAND-OFF BRACKETS MUST BE FORMED AND ATTACHED PRIOR TO POSITIONING FIRE PLACE INTO FRAMED OPENING.

CAUTION

STAND-OFF BRACKETS ARE NOT LOAD-BEARING.

IMPORTANT NOTE

OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED. REFER TO PAGE 8 FOR MORE INFORMATION.

A. STAND-OFF ASSEMBLY & INSTALLATION

The top stand-off brackets are attached to fireplace top in a flat state for shipping.

1. Remove and save (2) screws securing stand-off heat shield, and stand-off brackets.
2. Form each stand-off bracket as shown.
3. Re-attach stand-off brackets to fireplace using screws previously removed.
4. Attach the shorter stand-off heat shield to the centers of stand-offs. The return bend (lip) faces forward.
5. Attach the longer stand-off heat shield to the top of the stand-offs.

Figure 4A

Nail or other other suitable fastner
5 - FRAMING

A. WALL ENCLOSURE ROUGH OPENING

**IMPORTANT NOTE**

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

B. MINIMUM FINISHED OPENING DIMENSIONS

**IMPORTANT WARNING**

Provide adequate clearance in front of fireplace to operate lower grille, open and close optional decorative doors / full door faces, access components, installation of gas line, fan, etc.

**IMPORTANT WARNING**

Do not obstruct the screen front. Room air enters through lower passage, is heated and exits through upper passage. Blocking these passages may result is overheating, creating a potentially hazardous situation.

---

**Flat Wall**

**Corner**

**FINISH MATERIAL DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>Inches</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Framing Height</td>
<td>47-1/2”</td>
</tr>
<tr>
<td>B</td>
<td>Framing Width</td>
<td>45-5/8”</td>
</tr>
<tr>
<td>C</td>
<td>Framing Depth, Wall</td>
<td>24-1/8”</td>
</tr>
<tr>
<td>D</td>
<td>Framing Depth, Corner</td>
<td>28-7/8”</td>
</tr>
<tr>
<td>E</td>
<td>Corner Width</td>
<td>57-5/8”</td>
</tr>
</tbody>
</table>

**Figure 5B**

FRAMING DIMENSIONS ONLY

Sheetrock or wall covering material IS NOT accounted for. Add wall covering thickness and verify dimensions. 1-7/8” (48mm) clearance at sides and 1-1/2” (38mm) at back of fireplace must be maintained.
5 - FRAMING

Determine exact position of your fireplace, including hearth height, width, and depth. 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 the 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.

**IMPORTANT NOTE**

Consider height of hearth extension finishing material (stone, brick, etc.) when building fireplace platform. The bottom 5/8” (15.8mm) of black fireplace may be covered.

**IMPORTANT WARNING**

Install fireplace on metal, concrete or hard wood surface extending the full width and depth of fireplace.

**IMPORTANT NOTE**

Vent cap location must be in compliance with guidelines on pages 26-28 of this manual.

### C. HORIZONTAL TERMINATION

Follow vent pipe manufacturer’s installation instructions for horizontal terminations using approved direct vent pipe. Include required 3” (76 mm) top clearance and 1” (25 mm) sides and bottom clearances for rigid vent systems.

**NOTE:** Some vent manufacture's wall pass-through are 1” higher than the center of the pipe.

<table>
<thead>
<tr>
<th>MINIMUM HORIZONTAL FRAMING DIMENSIONS</th>
<th>WALL FIRESTOP FRAMING DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Figure 5C</strong></td>
<td>Center or Vent Pipe (A)</td>
</tr>
<tr>
<td><strong>RIGID PIPE</strong></td>
<td>43-3/8” (110.1cm)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>WIDTH</td>
<td>10-1/2” (267mm)</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>12-1/2” (317.5mm)</td>
</tr>
</tbody>
</table>

**Flat Wall**

**Corner**

Figure 5C
5 - FRAMING

D. VERTICAL TERMINATION

Follow vent pipe manufacturer’s installation instructions using approved direct vent pipe for vertical terminations.

A minimum 1” (25 mm) clearance on all sides of vertical vent pipe must be maintained.

---

**IMPORTANT NOTE**

A venting firestop must be used on all horizontal vent runs. Follow instructions in Section 12 - Venting, Figure 12F.

---

**IMPORTANT COLD AIR NOTE**

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.

---

**IMPORTANT CAUTION**

Due to high temperatures, this fireplace should be located out of traffic areas and away from furniture and draperies.

---

E. CORNER INSTALLATION

**IMPORTANT WARNING**

WARNING: TOP STAND-OFF BRACKETS MUST BE ASSEMBLED AND ATTACHED TO FIREPLACE. DO NOT REMOVE. STAND-OFF BRACKETS ARE NOT LOAD-BEARING.

---

![Diagram of corner installation](image)

1/2” Sheetrock or wall covering material is shown. Always check and verify dimension.

Figure 5E
**F. NAILING FLANGE ASSEMBLY & INSTALLATION**

**IMPORTANT CAUTION**

NEVER PERMANENTLY REMOVE THESE ASSEMBLIES FROM FIREPLACE . THEY MUST BE SECURED IN PLACE REGARDLESS OF FINISH MATERIAL USED.

1. Locate the nailing tabs (4) in the manual bag.
2. Place the first tab into the slot on the fireplace wrap.
3. Place the forward bent tab behind the edge of the wrap and install with one sheet metal screw. Repeat 3 times.
4. Position the nailing tab against the framing.
5. Verify all clearances to combustibles are met.
6. Secure the fireplace to the framing with screws or nails.

![Figure 5F](image-url)

Nail or other other suitable fastner

**Figure 5F**
6 - MANTEL REQUIREMENTS

A. NON-COMBUSTIBLE ZONE

Non-Combustible Zone:
No materials allowed on top of the fireplace within shaded area for entire width and depth of fireplace.
This air space MUST remain open.

Non-combustible board (shipped with the fireplace) MUST BE INSTALLED in this area first.

47" x 15-1/2" (1193.8mm x 3937.mm)

Figure 6A

7 - GLASS FRAME ASSEMBLY

IMPORTANT CAUTION
TO PREVENT GLASS FRAME ASSEMBLY FROM FALLING FROM FIREPLACE AND BECOMING DAMAGED, FOLLOW THE INSTRUCTIONS EXACTLY WHEN REMOVING AND INSTALLING GLASS FRAME ASSEMBLY.

IMPORTANT WARNING
DO NOT OPERATE THIS FIREPLACE WITH THE GLASS REMOVED, CRACKED OR BROKEN.
REPLACEMENT OF GLASS ASSEMBLY #611-011 SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.

IMPORTANT HOT GLASS WARNING
DO NOT REMOVE GLASS ASSEMBLY WHEN HOT!!!!
A. REMOVE GLASS FRAME ASSEMBLY

1. If decorative front is already in place, remove the front or mesh screen. CLEAN TRIM FRONT: Remove the front by lifting and unhooking the front.

2. Locate spring-loaded handles securing glass frame assembly at top & bottom of firebox.

3. Pull bottom handles out and ‘down’ to release glass frame assembly bottom.

4. Pull top handles out and ‘up’ to release glass frame assembly top.

5. Remove glass frame assembly from fireplace.

B. INSTALL GLASS FRAME ASSEMBLY

1. Place glass frame assembly onto fireplace front. Center the glass from side to side.

2. Pull top handles out and ‘down’ to secure glass frame assembly top.

3. Pull bottom handles out and ‘up’ to secure glass frame assembly bottom.

Figure 7A & B

IMPORTANT HOT GLASS WARNING
DO NOT REMOVE GLASS ASSEMBLY WHEN HOT!!!!

MAKE SURE AND REVIEW THE WARNINGS REGARDING GLASS REMOVAL AND INSTALLATION ON PAGE 16.
### 8 - STL-FK160 FAN KIT INSTALLATION (OPTIONAL)

**INSTALLATION OF THIS FAN SHOULD BE DONE ONLY BE A QUALIFIED INSTALLER.**

<table>
<thead>
<tr>
<th>IMPORTANT ELECTRICAL WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAKE SURE HOUSEHOLD BREAKER IS SHUT OFF PRIOR TO WORKING ON ANY ELECTRICAL LINES.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT ELECTRICAL WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS APPLIANCE IS EQUIPPED WITH A THREE-PRONG (GROUNDING) PLUG FOR PROTECTION AGAINST SHOCK HAZARD AND SHOULD BE PLUGGED DIRECTLY INTO A PROPERLY GROUNDED THREE-PRONG RECEPTACLE. DO NOT CUT OR REMOVE GROUNDING PRONG FROM THIS PLUG.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>If installing a fan, it is easier to complete prior to connecting the valve to gas supply. Wiring must be done before enclosing fireplace sides. An electrical box and Romex connector are pre-installed on a removable panel on right side of fireplace. A receptacle assembly and (3) wire nuts are included in fireplace components packet.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code approved line voltage wiring 14 gauge or better must be used when wiring this assembly. Refer local electrical codes for specific requirements.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>This appliance must be electrically grounded and connected in accordance with local codes, or in the absence of Local codes, with the National Electrical Code, ANSI/NFPA 70 Current Edition, or the Canadian electrical Code CSA C22.1.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan is on a timer and will automatically turn on 5 minutes after the fireplace has been turned on, and will turn off 12 Minutes after fireplace has shut down. See remote control section for more details.</td>
</tr>
</tbody>
</table>
1. Remove decorative front, glass assembly and lower vanity panel for access to the base of the fireplace.

2. **GAS LINE MUST BE DISCONNECTED TO INSTALL BLOWER.** If not disconnected, disconnect the gas line, then proceed.

3. Locate left and right side blowers. Figure 8.1

4. Route the left side blower to the left and behind the support leg. Figure 8.2
5. Move the module assembly. (It is held in place by velcro strips.) Place the right side blower to the right and behind the support left. Figure 8.3

6. Plug the blower into the extension module.
   Figure 8.4
7. Route the blower wires behind valve from right blower to left blower and connect the wires to terminals on the left blower. Figure 8.5
8. Place both blowers 1/4” from the fireplace walls. Figure 8.5
9. Plug extension module into the electrical junction box. Figure 8.5
10. Place module assembly back in original spot on the velcro strips.
11. Replace the lower vanity panel, glass assembly and decorative front.
12. Reconnect power and turn on the fireplace.

   In about 5 minutes the fan should start, providing the fireplaces remote control transmitter’s fan button is set to setting 1-6.
9 - THERMOSTAT REMOTE CONTROL INSTALLATION

A remote control comes standard with the Viewpoint Series Fireplaces and are factory installed. Refer to Section 17 - Remote Control Operating Instructions.

10 - GAS LINE CONNECTION

A. GAS CONVERSION

This fireplace is manufactured for use with Natural Gas. An LP conversion kit is available. LPCK-VP36T is sold separately. Follow instructions found in Section 24 - LPCK-VP36T Conversion Kit Instructions, or included with conversion kit.

---

**IMPORTANT NOTE**

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.

**IMPORTANT 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.

**IMPORTANT NOTE**

A listed (and Commonwealth of Massachusetts approved) 12” (13 mm) T-handle manual shut-off valve and flexible gas connector (included) are connected to the 1/2” (13 mm) control valve inlet. If substituting for these components, please consult local codes for compliance.

**IMPORTANT NOTE**

This fireplace is equipped with a 3/8” (10 mm) x 24” (610mm) 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.

**IMPORTANT NOTE**

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.

**IMPORTANT NOTE**

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).

**IMPORTANT NOTE**

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

**IMPORTANT NOTE**

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.
## 11 - GAS LINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>A. GAS LINE CONNECTION</th>
<th>NATURAL GAS</th>
<th>LP GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIMUM INLET GAS PRESSURE</td>
<td>5.0 inches W.C. (7.0 W.C. recommended)</td>
<td>11.0 inches W.C. (recommended)</td>
</tr>
<tr>
<td>MAXIMUM INLET GAS PRESSURE</td>
<td>10.5 inches W.C.</td>
<td>13.0 inches W.C.</td>
</tr>
<tr>
<td>MANIFOLD PRESSURE (HI)</td>
<td>3.5 inches W.C.</td>
<td>10.0 inches W.C.</td>
</tr>
<tr>
<td>ORIFICE SIZE</td>
<td>Main #30, LSS #00</td>
<td>Main #49, LSS #54</td>
</tr>
<tr>
<td>INPUT BTU/HR</td>
<td>38,500</td>
<td>38,500</td>
</tr>
<tr>
<td>MINIMUM INPUT BTU/HR</td>
<td>21,500</td>
<td>24,500</td>
</tr>
</tbody>
</table>

GAS PRESSURE MAY VARY PLUS OR MINUS 5%.

Manifold pressure must be taken at the OUTPUT PRESSURE tap and inlet pressure at the INLET PRESSURE tap with the burner operating by a qualified installer.

---

**FLEXIBLE GAS LINE CONNECTION**

![Diagram of Flexible Gas Line Connection](image_url)

**Figure 11A**
12 - VENTING

A. APPROVED VENTING

Refer to the vent systems manufacturer's installation manual for complete installation instructions. Installation must conform with the venting requirements and restrictions as outlined in this manual. M&G Dura-Vent DVA, Metal-Fab and BDM Pro-Form, 5" x 8" direct vent systems (horizontal and vertical terminations).

B. HORIZONTAL VENT SYSTEM CLEARANCES

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

C. HORIZONTAL TERMINATIONS

A 90° elbow may be installed right on top of the fireplace.
MINIMUM: 90° ELBOW + TERMINATION CAP
MAXIMUM: 90° ELBOW + 12" SECTION+TERMINATION CAP

D. RESTRICTOR

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

Please refer to Section 21 - Finalizing The Installation (E-G) for installation instructions if installing restrictor in conjunction with venting.

Section 21 - Finalizing The Installation (E-G) has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

E. ELBOWS - HORIZONTAL

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.

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

Flame height and appearance will vary depending upon venting configuration and type of fuel used. Venting requirements apply to both Natural and LP gas.
If the area above the ceiling is an attic space, position the firestop ON TOP of the framed hole.

If the area above the ceiling is not an attic space, position the firestop on the CEILING SIDE of the framed hole.

Position the firestop on the INSIDE of the framed hole.
12 - VENTING

G. HORIZONTAL TERMINATIONS

![Warning Icon]
IMPORTANT NOTE
Horizontal sections require 1/4” (6 mm) rise for every 12” (305 mm) of travel.

![Warning Icon]
IMPORTANT NOTE
Section 21 - Finalizing the Installation has information on restrictor installation in conjunction with venting installation (F. Restrictor Troubleshooting) and information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed (G. Restrictor Installation/Modification).

![Warning Icon]
IMPORTANT CAUTION
This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

H. CORNER TERMINATIONS

Vent Opening Dimensions: Refer to vent pipe manufacturer's instructions.
90° elbow + horizontal pipe + termination cap
NOTE: Fireplace position and wall thickness varies.

Figure 12G

90° elbow
20” max (508mm)

Figure 12H

vent cap
9” (229mm) minimum to side wall
I. VERTICAL VENT SYSTEM CLEARANCES

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

J. VERTICAL TERMINATIONS

MINIMUM: 10 ft. (3.05 m) + termination cap.
MAXIMUM: 40 ft. (9.14 m) + termination cap.

K. ELBOWS - VERTICAL

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.

IMPORTANT NOTE

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

IMPORTANT CAUTION

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

IMPORTANT NOTES

Section 21 - Finalizing The Installation (E-G) has information on restrictor installation in conjunction with venting installation.

Section 21 - Finalizing The Installation (E-G) has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

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

For each additional elbow used after first elbow, 3 ft. (914 mm) must be subtracted from maximum venting allowed. For each 45° elbow used, 1-1/2 ft. (457 mm) must be subtracted from maximum venting allowed.

(2) 45° degree elbows may be used in place of (1) 90° elbow.
L. HORIZONTAL & VERTICAL COMBINATION TERMINATIONS

MAXIMUM: 10 ft. (3.05 m) vertical + 20 ft. (6.10 m) horizontal + cap.
Measurements are from the center lines on the pipe to the back of the termination cap plate.

Figure 12L
This gas appliance must not be connected to a chimney serving any other appliance.

- Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.
- 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.
- 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” (305 mm).
B. Operable window or door - CANADA: 12” (305 mm). US: 9” (229 mm).
C. Permanently closed window* - 12” (305 mm) (recommended to prevent condensation on window).
D. Ventilated soffit* - 24” (610 mm).
E. Unvented soffit* - 12” (305 mm).
F. Outside corner* - 12” (305 mm).
G. Inside corner* - 12” (305 mm).
H. Meter / Regulator: Not to be installed above a gas meter/regulator assembly within 3 ft. (914 mm) horizontally from the centerline of the regulator.
I. Gas Service regulator vent outlet - 3 ft. (914 mm).
J. Non-mechanical air supply inlet to building or the combustion air inlet to any other appliance.
   CANADA: 12” (305 mm). US: 9” (229 mm).
K. Mechanical air supply inlet.
   CANADA: 6 ft. (1.83 m) US: 3 ft. (914 mm) above if within 10 ft. (3.05 m) horizontal Massachusetts installations: 10 ft. (3.05 m).
L. Above paved side-walk or paved driveway located on public property - 7 ft. (2.13 m).
M. Under veranda, porch, deck, or balcony (must be fully opened on a minimum of 2 sides) - 18” (475 mm).
N. Between two horizontal terminations - 12” (305 mm).
O. Between two vertical terminations - 12” (305 mm). Terminations may be same height.
P. Above furnace exhaust or inlet - 12” (305 mm).

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

IMPORTANT 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. HORIZONTAL TERMINATION VENT CAP LOCATION & CLEARANCES

Inside Corner

A = Combustible 9" (229mm)
   = Non-combustible 2" (51mm)

Outside Corner

F = Combustible 6" (152mm)
   = Non-combustible 6" (152mm)

Balcony with perpendicular side wall

G = Combustible 9" (229mm)
   = Non-combustible 2" (51mm)

H = Combustible 18" (457mm)
   = Non-combustible 12" (305mm)

Balcony with no side wall

I = Combustible 18" (457mm)
   = Non-combustible 12" (305mm)

Recessed Location

C = Clearance from corner in recessed location
   = Combustible 9" (229mm)
   = Non-combustible 2" (51mm)

D = Minimum width for back wall of a recessed location
   = Combustible 38" (965mm)
   = Non-combustible 24" (610mm)

E = Maximum depth of 48" (1,219mm) for recessed location

Figure 12M.2
### N. VERTICAL VENT CAP LOCATION AND 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>

* = 3 foot minimum in snowy regions

---

**Figure 12N**

- 24" MIN. (609.6mm)
- 12" MIN. (304.8mm)
A. FINISHING THE WALL

IMPORTANT NOTE

DO NOT COVER THE NON-COMBUSTIBLE BOARD WITH COMBUSTIBLE FINISHING MATERIAL

47" x 15-1/2"
(1193.8mm x 393.7mm)
Non-combustible board
(shipped with fireplace)
MUST be used.

Combustible wall covering
up to the side of the fireplace.
Do not overlap the black fireplace face.

Finishing Material
Combustible finishing material MAY NOT cover the black fireplace front or the non-combustible board which is 13-1/2" (343mm) tall.
Top and side "rock stops" are provided for your convenience so finishing material maintains proper clearance to the front for installation and removal.

Any combustible mantel projections must be
15" (381mm) above the top of the fireplace opening.

Finishing material may overlap the lower 5/8" of the black fireplace face.
A. PREPARATION FOR LINER AND LOG SET INSTALLATION

A.1 BRICK OR LEDGESTONE LINER KIT PREPARATION

There are three log placement stops on the back base pan that are shipped standard in a flat position (circled in Figure 14A.1). If you are using the brick or ledgestone liner kits you can skip “Preparation For Liner and Log Set Installation” and go directly to part “B.2 Brick or Ledgestone Liner Kit” installation. The tabs should be left flat.

A.2 NO LINER OR REFLECTIVE GLASS LINER KIT PREPARATION

There are three log placement stops on the back base pan that are shipped standard in a flat position (circled in Figure 14A.1). When no liner is being installed or when installing the reflective glass liner kit, these three tabs will need to be bent up vertically to be used to assist with log placement (circled in Figure 14A.2).
14 - OPTIONAL LINER & LOG SET INSTALLATION

IMPORTANT NOTE

IF USING AN OPTIONAL LINER KIT, INSTALL PRIOR TO INSTALLING THE GAS LOG SET.

B. LINER KIT INSTALLATION

B.1 MIRRORED GLASS LINER KIT

PARTS: Locate the shallow liner clips (qty. 2) from the parts bag in the MIRROR-VP36 kit.

NOTE: One side of the glass returns a clearer reflection than the other side. Install the clearer side forward.

1. Remove the grate and set aside. Locate the screw heads on the top of the fireplace ceiling. There are two on each side. Remove both. (Figure 14B.1)
2. Place the glass reflective panel against the wall and about 1/4" (6mm) away from the back corner and between the floor and the fireplace wall.
3. Replace the screw with the clip underneath it to hold the glass in place. DO NOT OVER-TIGHTEN!
4. Repeat on the left side.
5. Re-install the grate.

B.2 BRICK OR LEDGESTONE LINER KIT

PARTS: Locate the deeper liner clips (qty. 2) from the parts bag.

1. Remove the grate and set aside.
2. Locate the screw heads on the top of the fireplace wall. There are four on each side. Remove the middle one (Figure 14B.2).
3. Place the liner against the side wall with the angled edge to the back.
4. Replace the screw with the clip underneath it to hold the liner in place. DO NOT OVER-TIGHTEN!
5. Repeat on the left side.
6. Re-install the grate.
14 - OPTIONAL LINER & LOG SET INSTALLATION

C. LOG SET IDENTIFICATION

### IMPORTANT NOTE

If converting to LP (propane) gas do so now before installing log set in Section 24. Follow instructions included with kit.

### IMPORTANT CAUTION

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.

### IMPORTANT NOTE

Carefully remove the logs from the packaging and arrange them on a drop cloth or other protected surface. Arrange the logs as shown in Figure 14C.

---

**Log 1**
STL-611-701

**Log 2**
STL-611-702

**Log 3**
STL-611-703

**Log 4**
STL-611-704

**Log 5**
STL-611-705

**Log 6**
STL-611-706

**Log 7**
STL-611-707

**Complete Log Set**
LOGSET-VP36T

---

Figure 14C
D. LOG SET INSTALLATION

IMPORTANT NOTE

IF USING AN OPTIONAL LINER KIT, INSTALL PRIOR TO INSTALLING THE GAS LOG SET.

Prior to log placement, place dimed sized pieces of ember wool in a single layer above the burner ports on the burner base. Do not place additional layers of ember wool as it will adversely affect the performance of the fireplace. The installation picture also shows the Glass Ember Chunks in place. They can be installed at beginning or the end of the whole process. Refer to Step 8.
D. LOG SET INSTALLATION: STEP 1 - LOG #1

Log 1 - Front, View 1

Log 1 - Top Looking Down, View 2

IMPORTANT NOTES

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
Place Log #1 in the back left corner of the firebox, such that its right bottom base is sitting on the burner base and the front of the log is just behind the pilot ignition system. The log will slant upwards towards the left. Refer to Figure 14D.1A.

If there is the optional brick or ledgestone refractory lining in the firebox, the back of the log will touch the left refractory panel, and the right end of the log will touch the right refractory panel. Refer to Figure 14D.1B.

If the optional mirrors are in the firebox or there is no lining, the log will sit in front of the mirrors or left back wall about 1-1/4", and right end will be about 1-1/4" from the right back wall.
D. LOG SET INSTALLATION - STEP 2 - LOG #2

**IMPORTANT NOTES**

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
D. LOG SET INSTALLATION - STEP 2 - LOG #2

Place Log #2 in the back right area, such that the large left end of this log is sitting on top of the knob on the right top side of Log #1. It should nest in that spot. Refer to Figure 14D.2A.

The left side of Log #2 will touch the refractory (if installed), or be roughly 1-1/4” from the firebox wall or mirror lining. The log will follow parallel to the right side firebox wall toward the front (touching the refractory or 1-1/4” from firebox wall or mirror kit), with the right bottom part of the log resting on the burner base. Refer to Figure 14D.2B.
D. LOG SET INSTALLATION: STEP 3 - LOG #3

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
Log #3 will lay flat on the middle center part of the burner base positioned by the pins such that the narrower (split) end of the log is pointing towards the center point between the center and right-center grate tines.* Refer to Figure 14D.3A. The front of Log #3 will rest just behind the burner ports as shown in Figure 14D.3B. Do not cover any burner ports with this log.

* The flat surface of the log will be parallel with the back edge of the burner, and 2" in front of the back edge of the burner.
D. LOG SET INSTALLATION: STEP 4 - LOG #4

Log 4 - View 1

Notch for Log #5 to sit into

Log 4 - View 2

IMPORTANT NOTES

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
D. LOG SET INSTALLATION: STEP 4 - LOG #4

Place Log #4 such that they right side of this log (thick side) sits in the notch provided at the front of Log #2 so that it touches the right side refractory (or 1/4” away from the firebox wall or mirror kit). Refer to Figure 14D.4A. Log #4 will arch over Log #3, with the left side of Log #4 sitting on the burner base positioned by pin just behind and to the right of the front left burner ports. Refer to Figure 14D.4B. Do not cover any burner ports with this log.
D. LOG SET INSTALLATION: STEP 5 - LOG #5

**Log 5 - View 1**

**Log 5 - View 2**

---

**IMPORTANT NOTES**

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
D. LOG SET INSTALLATION: STEP 5 - LOG #5

Place the left side of Log #5 (thick side) on top of Log #1 and Log #2 (1-1/4" from the firebox wall or mirror kit). Refer to Figure 14D.5A. The front end of the log must lay flat across Log #4 in the small provided notch, and rest just above and behind the center vertical grate line. Refer to Figure 14D.5B.

Do not cover any burner ports with this log.
**D. LOG SET INSTALLATION: STEP 6 - LOG #6**

**IMPORTANT NOTES**

Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
Set Log #6 in the front right corner of the firebox such that the flat spot on the bottom of the right side (taller end) of the log is resting on the horizontal grate tine and the back of that right side of the log is touching the refractory (or is 1/1-4" from the firebox wall or mirror kit). Refer to Figure 14D.6A. The left side of Log #6 will sit just in front of Log #2. The flat spot on the top front right of the log rests against the vertical tine. Refer to Figure 14D.6B.

Do not cover any burner ports with this log.
Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.
D. LOG SET INSTALLATION: STEP 7 - LOG #7

Set Log #7 in the front left corner of the firebox so that the back of the log is nearly touching the refractory (or 1-1/2" from the firebox wall or mirror kit), and the left front flat notch is over the horizontal grate tine. Refer to Figure 14D.7A and Figure 14D.7B.
Figure 14D.8A
Glass Embers: Remove the glass ember chunks from their bag and spread out evenly over the mesh area below the log grate. Use the full bag of chunks to ensure good coverage of the mesh area only. Referred to Figure 14D.8A.
A. VALVE WIRING SCHEMATIC

Figure 15A

15 - VALVE & PILOT ASSEMBLY COMPONENTS
15 - VALVE & PILOT ASSEMBLY COMPONENTS

B. IPI PILOT ASSEMBLY

- FLAME SENSOR
- IGNITOR

C. IPI GAS VALVE

- OUTLET PRESSURE TAP (MANIFOLD PRESSURE)
- LOW LIMIT SCREW (LLS)
- ALUMINUM CAP NGLP PLUNGER UNDERNEATH
- INLET PRESSURE TAP
- "PILOT WIRE CONNECTION"
- PILOT ADJUSTMENT SCREW
- "MAIN" WIRE CONNECTION

16 - CONTROL MODULE COMPONENTS

A. MAIN CONTROL MODULE

- LEARN BUTTON
- PILOT IGNITOR CONNECTION
- PILOT SENSOR CONNECTION
- CONTINUOUS / ON-OFF SWITCH
- WIRE HARNESS CONNECTION TO EXTENSION MODULE
- WIRE HARNESS CONNECTION TO VALVE STEPPER MOTOR

B. EXTENSION MODULE, BATTERY BACK-UP & AC ADAPTOR

- 120 VAC ADAPTER
- BATTERY PACK
- FAN PLUG-IN RECEPTACLE
- TO THE LIGHT (IF EQUIPPED)
- WIRE HARNESS CONNECTION TO EXTENSION MODULE

Figure 15B
Figure 15C
Figure 16A
Figure 16B
17 - REMOTE CONTROL OPERATION INSTRUCTIONS

A. REMOTE ICON IDENTIFICATION

Remote:
Skytech Premium Transmitter Model AF-4000TSS02 comes standard with the fireplace.
Touch Screen LCD
Takes four (4) AAA batteries (included)

![Remote Control Diagram]

Figure 17A

B. REMOTE CONTROL INFORMATION

IMPORTANT ELECTRICAL WARNING AND INFORMATION

- Electrical wiring must be installed by a licensed electrician.
- Do NOT wire 110V 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 110V before servicing

A double receptacle box cover and (3) wire nuts are supplied in fireplace components packet to be used when hardwiring to electrical box located under firebox on right side of fireplace.

IMPORTANT ELECTRICAL WARNING AND INFORMATION

THIS SYSTEM GOES THROUGH A CALIBRATION MODE WHEN SWITCHING FROM ‘ON’ TO ‘THERMO’ TO ‘OFF’ MODES, CREATING A HUMMING SOUND WHICH IS A NORMAL PART OF OPERATION.
C. 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, 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 or the switch on the module. Instructions on following page.

D. 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.

E. 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 (4) AAA 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 using a pencil point for 2 seconds and let go (you should hear a series of ‘beeps’ letting you know module is ready to learn a new code).

3. Immediately 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.
17 - REMOTE CONTROL OPERATION

F. INITIAL SET-UP

Plug Extension Module and AC Adaptor into receptacles.

Install (4) AA 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 (4) AAA batteries. We recommend always using ALKALINE batteries to extend battery life and improve operational performance.

G. 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.

H. CELSIUS/FAHRENHEIT CONVERSION

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

I. IMPORTANT SAFETY FEATURE

This system has a maximum room temperature limit of 90° F (32° 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.

J. CONTINUOUS PILOT FEATURE

Activation of this optional feature is accomplished by pressing the MODE/SET button and ARROW UP buttons simultaneously for 5 seconds. The continuous pilot icon will appear on the LCD screen. Pressing both buttons again for 5 seconds will de-activate this feature.

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

K. CHILDPROOF FEATURE

Activation of this optional feature is accomplished by pushing MODE/SET button and ARROW DOWN buttons simultaneously for 5 seconds. The childproof icon will appear on the LCS 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 affected.
L. MANUAL MODE

This remote can be manually or thermostatically operated.

Press MODE/SET button for manual ON. The flame icon will appear on the LCD screen. Press MODE/SET button again to put the control into THERMO mode. Pressing MODE/SET again will turn fireplace OFF.

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The MODE/SET button operates in a series that will cycle from ON to THERMO to OFF.</td>
</tr>
</tbody>
</table>

M. FAN MODE

This remote will operate the fan, allowing for (6) different speed levels. Press the MODE/SET button. The FAN icon (*) will light up. Press the FAN icon on the LCD screen, then the UP or DOWN ARROWS to select the desired fan speed level. Press the MODE/SET button to set or wait 15 seconds and the control will automatically accept the new setting, exit function setting mode and LCD display will return to normal view.

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

N. LIGHTING MODE

This remote will operate the lights, allowing for (6) different light levels. When LIGHT button is pressed, Press the MODE/SET button. The LIGHT icon will appear on the LCD screen. Press the LIGHT icon on the screen. Press UP or DOWN buttons to select desired light level. Press the MODE/Set button or wait 15 seconds and the control will automatically accept the new setting, exit function setting mode and LCD display will return to normal view.

<table>
<thead>
<tr>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The fireplace does not have to be burning to operate the lights.</td>
</tr>
</tbody>
</table>
O. FLAME MODE

This remote will operate the flame, allowing for (6) different flame height levels. Press the MODE/SET button. The FLAME icon will appear on the LCD screen. Press the FLAME icon on then screen, then press UP or DOWN buttons to select desired flame level. Press the MODE/SET button to set or wait 15 seconds and the control will automatically accept the new setting, exit function setting mode and LCD display will return to normal view.

P. 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/SET button twice. "ON THERMO" will appear on the LCD screen. Touch the SET TEMP ZONE on the screen, then press the UP or DOWN ARROW buttons to the desired temperature. Within 5 seconds fireplace will operate to that set temperature.

Set temperature will only appear when THERMOSTAT MODE is activated, but is implemented in all MODES with the exception of MANUAL MODE.

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

IMPORTANT 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.

IMPORTANT NOTE

When in THERMO mode the fireplace will not turn on until room temperature falls below SET TEMPERATURE.
**17 - REMOTE RECEIVER INFORMATION**

**Q. SET THE DAY AND TIME DISPLAY**

The current day of the week and time of day will be continuously displayed in the TIME/PROG Zone (except during SET UP operations).

The day of the week will be displayed as one of the following: S, M, T, W, T, F, S.

The Time of day will be in 12-hour AM, 12-hour PM format with midnight being displayed as 12:00 am.

DAY - Press and hold the MODE Zone or the MODE/SET button for 5 seconds. Press the UP or DOWN buttons to adjust to the desired day of the week. Press the MODE/SET button to set or wait 15 seconds and the control will automatically accept the day, then enter the hour of day adjustment.

HOUR: Press the UP or DOWN buttons to adjust the hour of the day. The time will advance in 1-hour increments; AM and PM will change when the hour advances to 12:00 midnight and 12:00 noon respectively. Once the desired time of day is displayed, press the MODE/SET button to set or wait for 15 seconds and the control will automatically accept the hour, then enter minute of hour adjustment.

MINUTE(S): Press the UP or DOWN buttons to adjust the minute of the hour. The time will advance in 1-minute increments. Press the MODE/SET button once the desired minute is reached or wait 15 seconds and the control will automatically accept the new time, and exit DAY/TIME Setup and return to normal screen operation.

**R. SYSTEM OPERATION WITHOUT HANDHELD 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/OF switch on main control module to OFF. The fireplace can now be lit and shut off by use of the ON/OFF rocker switch located next to the module.

**IMPORTANT NOTE**

When operating fireplace in this capacity, the only function available is burner operation on HI.
# 18 - LIGHTING & SHUTDOWN

## FOR YOUR SAFETY - READ BEFORE LIGHTING

<table>
<thead>
<tr>
<th>IMPORTANT WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.</td>
</tr>
</tbody>
</table>

**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. This is a direct vent appliance which means it gets 100% of its air from the outside through the termination cap. It is important to make sure the termination cap remains unobstructed at all times from snow, ice, leaves or other debris.

- This fireplace is equipped with an ignition device which automatically Lights the pilot and main burner. The pilot and burner light automatically with the hand held remote only. **DO NOT** try to light the pilot by hand. Before lighting this fireplace, follow these instructions exactly.

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

- **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 which has been under water.

<table>
<thead>
<tr>
<th>WHAT TO DO IF YOU SMELL GAS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Do not touch any electrical switches</td>
</tr>
<tr>
<td>• Do not try to light any appliance</td>
</tr>
<tr>
<td>• Do not use the phone in your building</td>
</tr>
<tr>
<td>• Immediately call your gas supplier from a neighbor’s phone</td>
</tr>
<tr>
<td>• Follow the gas supplier’s instructions</td>
</tr>
<tr>
<td>• If you cannot reach your gas supplier, call the fire department</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>IMPORTANT WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT. 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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
18 - LIGHTING & SHUTDOWN

A. LIGHTING

STOP!

Read safety information on previous page and front cover of this manual before continuing

1. Turn off all electrical power to fireplace.
2. Press hand held remote MODE button to OFF.
3. Wait five (5) minutes to allow any gas that may have accumulated inside firebox to escape. If you then smell gas, STOP! Follow safety information on front cover and on previous page of the installation manual. If you don't smell gas, go to next step.
4. Turn ON all electrical power to fireplace.
5. Press hand held remote MODE button to ON.

IMPORTANT NOTE

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

B. TURNING OFF GAS TO FIREPLACE

1. Press hand held remote MODE button to 'OFF'.
2. Turn OFF all electrical power to fireplace if service is required.
3. Turn manual shut-off valve to OFF.

IMPORTANT CAUTION

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

IMPORTANT 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.

Figure 18A

Figure 18B
19 - PRESSURE TESTING

A. 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.
6. Relight fireplace using hand held remote control. Use a little leak-test solution to verify the tap is completely sealed.

IMPORTANT NOTE
When operating fireplace in this capacity, the only function available is burner operation on HI.

IMPORTANT NOTE
The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.

IMPORTANT NOTE
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).

IMPORTANT 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.

IMPORTANT CAUTION
A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION

Figure 19A
A. 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.

B. 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.
- Verify black ground lead is connected to tab extending from valve bracket.

C. 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.

D. 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 20 ft. (6 m) 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.
A. FLAME APPEARANCE

Flame appearance is affected by several factors including altitude, venting configuration and fuel quality. Although the venturi setting has been factory set, adjustments may be necessary for optimal performance and visual aesthetics.

When fireplace is first lit, the flames will be blue. Flames will gradually turn yellowish-orange during first 15 minutes of operation. If flames remain blue, or become dark orange with evidence of sooting (black tips), the burner tube venturi may need adjustment.

**IMPORTANT WARNING**

**BURNER TUBE ADJUSTABLE VENTURI POSITIONING SHOULD ONLY BE PERFORMED BY A QUALIFIED PROFESSIONAL SERVICE TECHNICIAN.**

B. FACTORY SET BURNER TUBE VENTURI SETTINGS
(ADJUST AS NECESSARY FOR YOUR INSTALLATION)

<table>
<thead>
<tr>
<th></th>
<th>NATURAL GAS</th>
<th>LP GAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BURNER</td>
<td>3/8” (9.5mm) OPEN</td>
<td>FULLY OPEN</td>
</tr>
</tbody>
</table>

C. BURNER TUBE VENTURI ADJUSTMENT GUIDELINES

<table>
<thead>
<tr>
<th>VENTURI POSITION</th>
<th>FLAME COLOR</th>
<th>VENTURI ADJUSTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closed too far</td>
<td>Dark orange flame with black tips</td>
<td>OPEN venturi setting slightly</td>
</tr>
<tr>
<td>Open too far</td>
<td>Blue flames</td>
<td>CLOSE venturi setting slightly</td>
</tr>
</tbody>
</table>

**IMPORTANT NOTE**

SLIGHT ADJUSTMENTS TO BURNER VENTURI OPENING CREATE DRAMATIC RESULTS. ADJUST AT SLIGHT INCREMENTS UNTIL DESIRED LOOK IS ACHIEVED. ALWAYS BURN FIREPLACE FOR AT LEAST 15 MINUTES AND ALLOW TIME TO COOL BEFORE MAKING ANY FURTHER ADJUSTMENTS.

D. TO ADJUST BURNER VENTURI:

**IMPORTANT WARNING**

To avoid property damage or personal injury, allow fireplace time to cool before making any adjustments.

1. Loosen the shutter wing nut (located under the firebox).
2. Sliding the shutter forward opens the venturi. Sliding the shutter back closes the venturi.
3. Re-tighten the shutter nut.
4. Light fireplace and wait 15 minutes before determining if any further adjustments are needed.
21 - FINALIZING THE INSTALLATION

E. 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.

F. RESTRICTOR TROUBLESHOOTING

<table>
<thead>
<tr>
<th>FLAME APPEARANCE</th>
<th>DRAFT PROBLEMS</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 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.

G. RESTRICTOR INSTALLATION/MODIFICATION (AFTER TERMINATION COMPLETED)

1. Remove the front (or mesh) and glass.
2. Depending on your specific needs, determined by the chart above along with other factors, make necessary modifications.
3. If installation of a restrictor (included in fireplace components packet) is necessary, attach the round metal piece to the firebox top, over the flue. Line the 8 notches up with the 8 screw tips and line the 2 holes in the restrictor up with the holes in the firebox top. Attach with 2 screws. Attach glass frame assembly and light fireplace.
4. Wait 15 minutes before determining if any further modifications are necessary.

IMPORTANT NOTE

Do not installation the restrictor if vertical vent run is under 10'.

IMPORTANT NOTE

If mounting holes do not line up, flip restrictor over.

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

IMPORTANT WARNING

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

Figure 21G
22 - MAINTENANCE

The appliance is required to be inspected at least once a year by a professional service person. The compartment below firebox (behind lower grille) 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. It is imperative that the burner be cleaned once a year.

**A. IPI BOARD SYSTEM**

- Annual cleaning of burner system is required.
- Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.
- Visually check pilot light and burner when in operation. Flames should be steady, not lifting or floating.

**B. FAN**

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

**C. 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.

**D. GLASS CLEANING & REPLACEMENT**

- Clean glass only when cool and only with non-abrasive cleansers.
- Do not operate this fireplace with glass/frame assembly removed, cracked or broken.
- The glass assembly, part #STL-611-011, shall only be replaced as a complete unit, as supplied by Stellar Hearth Products.
- Replacement of glass & frame assembly, must only be performed by a licensed or qualified service person.
  - DO NOT SUBSTITUTE MATERIALS.
- Do not strike or slam glass door assembly.

**IMPORTANT NOTE**

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

**IMPORTANT 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. Vapors and liquids.
E. BURNER LIGHT BULB REPLACEMENT

1. Remove decorative front, and then the vanity panel that sits below the glass in front of the valve area.

2. You will see three sets of twin wires going to the light brackets on the underside of the firebox. One is immediately behind a small silver panel above the gas valve itself. The other two are towards the rear on the right and left-hand sides. The brackets are held to the underside of the firebox with two wing nuts each.

3. Going one light bracket at a time, remove the wing nuts and lower the light bracket straight down and off the threaded posts. Simply pull the halogen light straight up and out of its socket.

4. When installing the new halogen, use a tissue or gloves to handle the bulbs. Do not touch the bulbs with your bare fingers, as the oil from your skin will react with the bulb and reduce its burn life. Plug the new bulb into the socket.

5. Slide the bracket back up the threaded posts and into its opening, tight to the underside of the firebox.

6. Replace wing nuts and tighten “finger tight” (do not use pliers or other tool).

7. Repeat until all three are replaced.

8. Put the vanity panel back into its spot, and hang the decorative fronts back into its spot.

It may be more cost (and time) effective to pick up needed replacement light bulb at your local hardware store than to order as a replacement part directly through Stellar Hearth.

BRAND: Sunlite
Description: Halogen Bulb
- Item #03265
- Bi-Pin (JC) Clear
- GY6.35 Base
- 20 Watt
- 120V

Figure 22E
23 - TROUBLESHOOTING

A. 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).

B. 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.
- Ensure 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 the valve. 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.
- Holding the remote control transmitter, press and hold simultaneously the “Main Flame” and “Up” buttons on the transmitter to temporarily light the pilot flame. Keep holding these buttons for up to 30 seconds to dry off the pilot sensor (extreme humidity situation). When the buttons are released, the system will return to the “Off” setting. Start-up fireplace as usual.
- Check continuity of pilot on valve. Remove wire connector. If there is no continuity on pin terminals, replace valve.

C. 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.

D. PILOT BURNING BUT IGNIATOR 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.
- Clean flame sensor with a piece of emery cloth.
E. 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 SET 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.

F. FLAME HEIGHT ADJUSTMENTS NOT WORKING/WORKS BACKWARDS

- 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.

G. 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.

H. FIREPLACE WILL NOT RESPOND IN "THERMO" MODE

- Ensure hand held remote is within 20 ft. (6.096 m) 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.
24 - LPCK-VP36T CONVERSION KIT INSTRUCTIONS

IMPORTANT WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufactures 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 production of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of the kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the 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.

Kit Includes:  (1) Gas Conversion Label        (1) Pilot Orifice LP  (1) Gas Label
(1) Burner Orifice LP #49              (1) Low Limit Screw #54

<table>
<thead>
<tr>
<th>VP-36T</th>
<th>Natural</th>
<th>LP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input BTU/hr. Maximum</td>
<td>38,500</td>
<td>38,500</td>
</tr>
<tr>
<td>BTU/hr. Minimum</td>
<td>21,500</td>
<td>24,500</td>
</tr>
<tr>
<td>KWH (Maximum)</td>
<td>14.6</td>
<td>14.1</td>
</tr>
<tr>
<td>(Minimum)</td>
<td>7.9</td>
<td>8.6</td>
</tr>
<tr>
<td>Orifice - Front</td>
<td>#30</td>
<td>#49</td>
</tr>
<tr>
<td>LSS</td>
<td>#00</td>
<td>#54</td>
</tr>
<tr>
<td>Air Shutter Opening - Front</td>
<td>3/8&quot;</td>
<td>FULLY OPEN</td>
</tr>
</tbody>
</table>

IMPORTANT WARNING

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

A - PREPARE THE GLASS:

1. Remove the front glass assembly glass.
2. Remove the logs, ember chunks, glass embers, and grate from the fireplace.
3. Remove the optional liner panels if installed.
4. Remove the firebox floor; there are three screws on top.
5. Remove the three screws holding the burner down and remove the wing nut underneath holding the shutter adjustment plate in place and remove screws holding the pilot to the burner. Remove the burner by sliding forward and lifting.

B - CONVERT PILOT ASSEMBLY

1. Locate the pilot nut and loosen. Place a squirt of WD-40 into the top of the pilot if the fireplace has been used prior to converting. This will aid in removing the nut.
2. Remove the pilot orifice. NOTE: if the orifice does not fall out, lightly tap the pilot to loosen it.
3. Replace the orifice with the one included with the kit.
4. Tighten the nut snugly - DO NOT OVER TIGHTEN.

C - REPLACE BURNER ORIFICE

1. Remove existing orifice and replace with orifice included with kit. Tighten securely - DO NOT OVER TIGHTEN.
24 - LPCK-VP36T CONVERSION KIT INSTRUCTIONS

D - GAS TYPE CONVERSION

Press and hold the 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: one (1) second long beep.

If converting from LP to NAT gas: three (3) seconds long beep.

E - CONVERT GAS CONTROL VALVE:

1. Remove black cap covering the pressure regulator, or unscrew the aluminum cap.
2. Press down on pressure regulator tube and rotate 90°. The shaft will pop out and point to chosen gas type. Re-attach black cap. (Figure 24E.1)
3. Remove existing low limit screw (located above valve motor (Figure 24F). Replace with one included in kit.

F - COMPLETE THE CONVERSION

1. Re-install the burner and re-attach it with the three screws. Attach the pilot to the burner.
2. Re-install the shutter adjustment plate with gasket above it. Re-install the wing nut to hold it in place.
3. Adjust air shutter Natural 3/8" open, LP Full open. Sliding the shutter all the way to the left will give you a 1/4" (6mm) open. NOTE: Venturi may need further adjustment, depending on your venting configuration.
4. Tighten the wing nut.
5. Turn on gas and electrical supplies
6. Light fireplace. Check for leaks at all connections with a soapy leak-check solution, whether field or factory made. Refer to instructions in Section 24 (G).
7. Test inlet pressure (Figure 24E).
8. Visually check pilot flame. Flame should envelope top of flame sensor and extend unto burner far enough for proper ignition.
   NOTE: TO ADJUST PILOT: Turn pilot adjustment screw clockwise to decrease or counter-clockwise to increase pilot flame.
9. Turn fireplace off.
10. Affix gas type sticker to existing label.
11. Complete and affix "Gas Conversion" label behind lower grille.
12. Re-install the firebox floor, optional Liner Kit (if applicable), grate and log set. Refer to Section 14.
13. Re-install glass frame assembly and front.
14. Light the fireplace and observe the flames. Adjust the air shutter if necessary. Refer to Section 21 (G). Install or remove the exhaust restrictor if necessary. Refer to Section 21 (G).

Low Limit Screw
24 - LPCK-VP36T CONVERSION KIT INSTRUCTIONS

G - TESTING FOR LEAKS:

1. Turn on the gas and electricity to the fireplace. Light the pilot by pressing the "Pilot" button. CONSTANT PILOT will appear on the LCD screen (Figure 17J). The pilot should light.
2. Using a solution of soapy water, check the pilot tube and nut area for leaks.
3. If no leaks are present, extinguish the pilot and proceed.

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>If the fireplace will not operate, follow the instructions TURNING OFF GAS TO FIREPLACE and call your service technician or the gas supplier.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>When the fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several seconds.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of 1/2 psi. The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas line at test pressures equal to or less than 1/2 psi (3.5 kPa).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure check taps for the manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked &quot;OUT&quot; measures outgoing pressure and the pressure tap marked &quot;IN&quot; measures incoming pressure. Follow instructions below for proper testing procedures.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust the incoming gas pressure.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMPORTANT WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION.</td>
</tr>
</tbody>
</table>

H - 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 not be over-tightened.
6. Re-light fireplace using hand-held remote control.
   Re-attach manometer to inlet pressure tap to verify that it is completely sealed. Manometer should read no pressure.

Figure 24H
<table>
<thead>
<tr>
<th>Description</th>
<th>EXTENDED DESCRIPTION</th>
<th>QTY</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PILOT ASSEMBLY - LP</td>
<td></td>
<td>1</td>
<td>STL-199-1</td>
</tr>
<tr>
<td>PILOT ASSEMBLY - NG</td>
<td></td>
<td>1</td>
<td>STL-199</td>
</tr>
<tr>
<td>GAS VALVE - LP</td>
<td>AMERICAN FLAME</td>
<td>1</td>
<td>STL-010-502</td>
</tr>
<tr>
<td>GAS VALVE - NG</td>
<td>AMERICAN FLAME</td>
<td>1</td>
<td>STL-010-501</td>
</tr>
<tr>
<td>BURNER ORIFICE - LP</td>
<td>#49</td>
<td>1</td>
<td>STL-012-049</td>
</tr>
<tr>
<td>BURNER ORIFICE - NG</td>
<td>#30</td>
<td>1</td>
<td>STL-012-030</td>
</tr>
<tr>
<td>LOW SET SCREW - LP</td>
<td>#54</td>
<td>1</td>
<td>STL-LSS-54</td>
</tr>
<tr>
<td>LOW SET SCREW - NG</td>
<td>#00</td>
<td>1</td>
<td>STL-LSS-00</td>
</tr>
<tr>
<td>PILOT ORIFICE - LP</td>
<td></td>
<td>1</td>
<td>LP-PILOT-OR</td>
</tr>
<tr>
<td>PILOT ORIFICE - NG</td>
<td></td>
<td>1</td>
<td>NG-PILOT-OR</td>
</tr>
<tr>
<td>FLEXIBLE GAS LINE</td>
<td>90° 1/8 NPT 18’ Black (Valve to Burner)</td>
<td>1</td>
<td>STL-010-355</td>
</tr>
<tr>
<td>FLEXIBLE GAS LINE</td>
<td>Flex Line with Manual Shutoff (Gas Line to Valve)</td>
<td>1</td>
<td>STL-010-350</td>
</tr>
<tr>
<td>ON/OFF SWITCH</td>
<td>Rocker Switch</td>
<td>1</td>
<td>STL-010-400</td>
</tr>
<tr>
<td>CONTROL MODULE</td>
<td>Main</td>
<td>1</td>
<td>STL-010-552</td>
</tr>
<tr>
<td>EXTENSION MODULE</td>
<td>Runs Fans/Lights</td>
<td>1</td>
<td>STL-010-560</td>
</tr>
<tr>
<td>ADAPTER</td>
<td>Adapter</td>
<td>1</td>
<td>STL-010-571</td>
</tr>
<tr>
<td>WIRE HARNESS</td>
<td>Primary</td>
<td>1</td>
<td>STL-010-564</td>
</tr>
<tr>
<td>WIRE HARNESS</td>
<td>Main Module to Valve Step Motor</td>
<td>1</td>
<td>STL-010-566</td>
</tr>
<tr>
<td>WIRE HARNESS</td>
<td>Control Module to Extension Module</td>
<td>1</td>
<td>STL-010-562</td>
</tr>
<tr>
<td>BATTERY BACK-UP</td>
<td>Includes (4) AA Batteries</td>
<td>1</td>
<td>STL-010-570</td>
</tr>
<tr>
<td>FAN KIT</td>
<td></td>
<td>1</td>
<td>STL-FK160</td>
</tr>
<tr>
<td>REMOTE CONTROL</td>
<td>Transmitter - AF Touch Screen</td>
<td>1</td>
<td>STL-010-568</td>
</tr>
<tr>
<td>BURNER ASSEMBLY - LP</td>
<td></td>
<td>1</td>
<td>STL-611-300-LP</td>
</tr>
<tr>
<td>BURNER ASSEMBLY - NG</td>
<td></td>
<td>1</td>
<td>STL-611-300</td>
</tr>
<tr>
<td>GRATE</td>
<td></td>
<td>1</td>
<td>STL-611-002</td>
</tr>
<tr>
<td>VANITY PANEL</td>
<td>Panel that covers Valve/Electrical Components</td>
<td>1</td>
<td>STL-611-136</td>
</tr>
<tr>
<td>GLASS PANEL</td>
<td>36T/M</td>
<td>1</td>
<td>STL-611-011</td>
</tr>
<tr>
<td>LIGHT BULB*</td>
<td>Glass Light Kit</td>
<td>1</td>
<td>STL-003-265</td>
</tr>
<tr>
<td>GLASS TUBE</td>
<td></td>
<td>3</td>
<td>STL-611-603</td>
</tr>
<tr>
<td>LOG SET</td>
<td>Complete Log Set VP36T</td>
<td>1</td>
<td>LOGSET-VP36T</td>
</tr>
<tr>
<td>LOG 1</td>
<td>VP36T/VP48T Log 1</td>
<td>1</td>
<td>STL-611-701</td>
</tr>
<tr>
<td>LOG 2</td>
<td>VP36T/VP48T Log 2</td>
<td>1</td>
<td>STL-611-702</td>
</tr>
<tr>
<td>LOG 3</td>
<td>VP36T/VP48T Log 3</td>
<td>1</td>
<td>STL-611-703</td>
</tr>
<tr>
<td>LOG 4</td>
<td>VP36T/VP48T Log 4</td>
<td>1</td>
<td>STL-611-704</td>
</tr>
<tr>
<td>LOG 5</td>
<td>VP36T/VP48T Log 5</td>
<td>1</td>
<td>STL-611-705</td>
</tr>
<tr>
<td>LOG 6</td>
<td>VP36T/VP48T Log 61</td>
<td>1</td>
<td>STL-611-706</td>
</tr>
<tr>
<td>BURNER EMBERS</td>
<td>Bag of Mineral Wool</td>
<td>1</td>
<td>STL-REMB</td>
</tr>
<tr>
<td>KLINKERS</td>
<td>Bag of Lava Rock Chunks</td>
<td>1</td>
<td>STL-KLK</td>
</tr>
<tr>
<td>GLASS EMBERS</td>
<td>Bag of Glass Embers</td>
<td>1</td>
<td>STL-GEGB</td>
</tr>
<tr>
<td>GLASS FIREBOX LINERS</td>
<td>Complete Set</td>
<td>1</td>
<td>MIRROR-VP36</td>
</tr>
<tr>
<td>LEFT &amp; RIGHT SIDES - GLASS</td>
<td></td>
<td>2</td>
<td>STL-011-601</td>
</tr>
<tr>
<td>RETAINER CLIPS</td>
<td></td>
<td>2</td>
<td>STL-011-165</td>
</tr>
<tr>
<td>BRICK REFRACTORY LINERS</td>
<td>Complete Set</td>
<td>1</td>
<td>BRICK-VP36</td>
</tr>
<tr>
<td>LEFT SIDE - BRICK</td>
<td></td>
<td>1</td>
<td>STL-611-197</td>
</tr>
<tr>
<td>RIGHT SIDE - BRICK</td>
<td></td>
<td>1</td>
<td>STL-611-196</td>
</tr>
<tr>
<td>RETAINER CLIPS</td>
<td></td>
<td>2</td>
<td>STL-011-164</td>
</tr>
<tr>
<td>LEDGESTONE REFRACTORY LINERS</td>
<td>Complete Set</td>
<td>1</td>
<td>LEDGE-VP36</td>
</tr>
<tr>
<td>LEFT SIDE - LEDGESTONE</td>
<td></td>
<td>1</td>
<td>STL-611-195</td>
</tr>
<tr>
<td>RIGHT SIDE - LEDGESTONE</td>
<td></td>
<td>1</td>
<td>STL-611-194</td>
</tr>
<tr>
<td>RETAINER CLIPS</td>
<td></td>
<td>2</td>
<td>STL-011-164</td>
</tr>
</tbody>
</table>
Limited Lifetime Warranty

Stellar Hearth Products, a brand of Big Woods Hearth Products Inc, warrants the following components for life to the original owner, subject to proof of purchase: Firebox, Heat Exchanger, Combustion Chamber, Grate and Stainless Steel Burners. Electrical components and wearable parts (gas valve, blowers, wiring, switches, remote controls, gasketing, and pilot assembly) are covered and will be provided free of charge for a period of one year from date of purchase. Labor to repair the warranted parts is covered and will be free of charge for a period of one year from date of purchase. See the warranty exclusions below.

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. Service must be provided by a Big Woods Hearth Products designated service company. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. This limited warranty is effective from the date of original consumer purchase. Proof of original purchase date is required to obtain service under this limited warranty.

ITEMS EXCLUDED FROM WARRANTY

1. Replacement parts or repair labor if this major appliance is used for other than normal use or when it is used in a manner that is inconsistent to published user or operator instructions and/or installation instructions.
2. Service calls to correct the installation of your major appliance, to instruct you on how to use your major appliance, to replace or repair house fuses, or to correct house wiring or plumbing.
3. Service calls to repair or replace appliance light bulbs.
4. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by Big Woods Hearth Products Inc.
5. Cosmetic damage, including scratches, dents, chips or other damage to the finish of your major appliance, unless such damage results from defects in materials or workmanship and is reported to Big Woods Hearth Products Inc within 30 days from the date of purchase.
6. Pick up and delivery. This major appliance is intended to be repaired in your home.
7. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
8. Expenses for travel and transportation for product service if your major appliance is located in a remote area where service by an authorized Big Woods Hearth Products Inc servicer is not available.
9. The removal and reinstallation of your major appliance if it is installed in an inaccessible location or is not installed in accordance with Big Woods Hearth Products Inc published installation instructions.
10. Replacement parts or repair labor on major appliances with original model/serial numbers that have been removed, altered, or cannot be easily determined.

DISCLAIMER OF IMPLIED WARRANTIES

IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. Some states and provinces do not allow limitations on the duration of implied warranties of merchantability or fitness, so this limitation may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

LIMITATION OF REMEDIES; EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. Big Woods Hearth Products shall not be liable for incidental or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

If outside the 50 United States and Canada, contact your authorized Big Woods Hearth Products Inc dealer to determine if another warranty applies.

If you think you need repair service, first see the “Troubleshooting” section of the Use & Care Guide.

If you are unable to resolve the problem after checking “Troubleshooting,” additional help can be found by calling Big Woods Hearth Products Inc at 952-224-4072.