



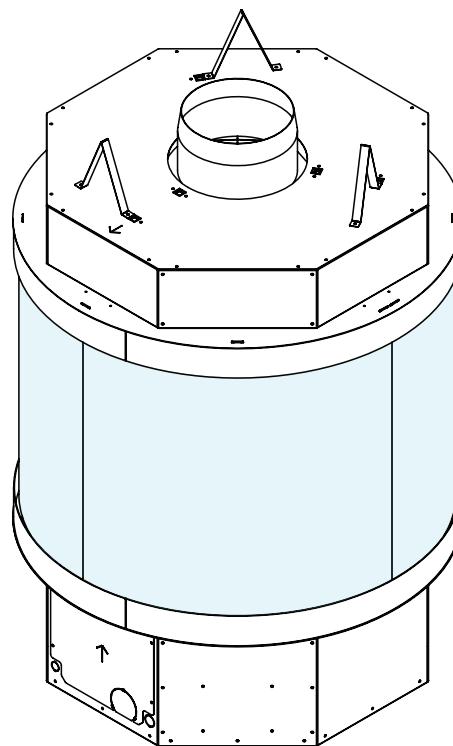
stellar.heatnglo.com

Custom Fireplace Program Co-linear Direct Vent Powervented Gas Fireplaces

ROUND COLLECTION

Installation & Operating Manual

3' Diameter Available in 24" & 36" Heights



WARNING:
FIRE OR EXPLOSION HAZARD.

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



This appliance is only for use with
Natural Gas or Propane Gas

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

DO NOT DISCARD

Installer:
Leave this manual with the appliance.

Consumer:
Retain this manual for future reference.



SERVICE

Our gas hearth products must be installed and serviced by trained fireplace professionals.



DANGER



HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

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

***Congratulations on selecting a
Stellar by Heat & Glo gas fireplace.***

You've selected a model within the Round Collection that is crafted to elevate even the most unique spaces. Each of our Round Collection's configurations sets the stage with the most robust flames in its class, with commercial grade components providing the utmost in safety and reliability.

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

Pay special attention to all cautions and warnings.

DO NOT DISCARD.

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

Installation Team: at the time of install, please record the following pertinent information about the fireplace for the homeowners reference:

Model Name: _____

Serial Number: _____ Date Installed: _____

Dealer Purchased From: _____

Dealer City/State: _____ Dealer Phone: _____

Notes: _____

If your model number has not been filled out above, please contact your dealer the fireplace purchased through directly for assistance identifying your model number by the serial number.



STELLAR

by Heat & Glo

stellar.heatnglo.com

Stellar by Heat&Glo, a division of Hearth & Home Technologies, Inc.

22160 Cedar Avenue S.

Lakeville, MN 55044

(P) 952-224-4072

(E) StellarInfo@hearthnhome.com

UL RATING PLATE LOCATION & MODEL NUMBER IDENTIFICATION

The rating plate is used for multiple designs and custom fireplaces.

The generic nomenclature listed on the rating plate will not identically match the model of custom fireplace you have.

The rating plate must stay with the fireplace and is located below the burner in an area that will only be reachable while servicing.



STELLAR
by Heat & Glo



HEARTH & HOME
technologies

Vented Gas Fireplace
Not For Use With Solid Fuel

MH48906

GAS-FIRED

 **US LISTED**

 **Energy Verified**
Rendement
Énergétique Vérifié

DATE OF MFG

SERIAL NO.

Tested to: ANSI Z21.50-2019/CSA 2.22-2019 Vented Gas Fireplaces and CSA P.4.1-15
This vented gas fireplace is not for use with air filters.
This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1.

This unit is equipped for use with: **NATURAL GAS**

Model Number, Input and Orifice Specifications - NATURAL GAS

Manifold Pressure HI Setting (in W.C.)	3.5"	3.5"
Manifold Pressure LO Setting (in W.C.)	3.5"	3.5"
Minimum Inlet Pressure (in W.C.)	7.0"	7.0"
Maximum Inlet Pressure (in W.C.)	10.0"	10.0"
Electrical Specifications	120 VAC, 5.8 amp (.35kW)	

Model No.	Maximum Input Rating BTU/Hr	Burner Orifice (DMS)
☒ 3-RD-GL-R	100,000	(5X) #43
☐ 3-RD-OH-R	100,000	(5X) #43

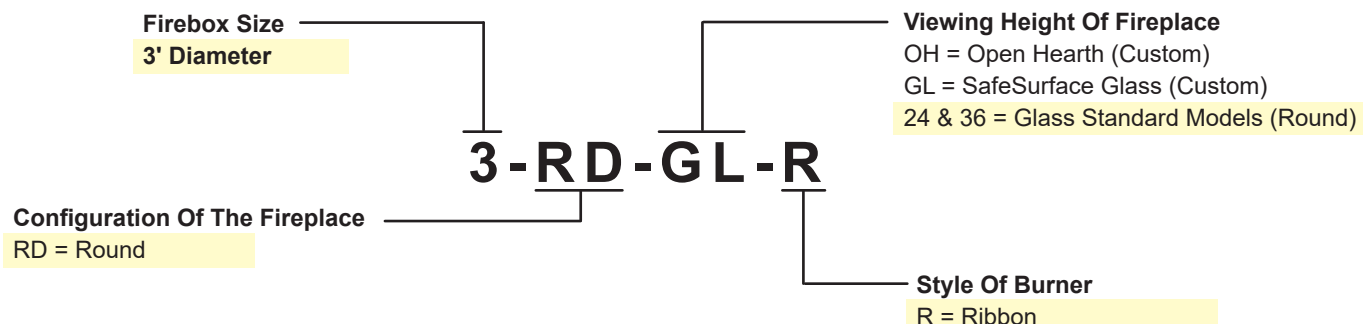
Electrical Ratings: 120 Volts, 50/60 Hz, 6.0 Amps Max.
This appliance is equipped for altitudes 0-2,000 ft. (0-610m) in USA, and 0-4,500 ft. (0-1370cm) in Canada.
Above these altitudes, contact Stellar Hearth for conversion if necessary.

**VENTED DECORATIVE GAS APPLIANCE:
NOT A SOURCE OF HEAT; NOT FOR USE WITH SOLID FUEL.**



WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system can result in injury and possible death.

MODEL NUMBER IDENTIFICATION



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1 - SAFETY INFORMATION

This fireplace complies with ANSI Z21.50-2019 / CSA 2.22-2019 Vented Gas Fireplaces and CAN/CSA P.4.1-15.

Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSI Z223.1 / NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CAN/CSA B149.1

A. SAFETY ICON DESIGNATIONS

Various safety icons appear throughout this installation manual. Please familiarize yourself with the icons making sure you understand the serious consequences that may occur if ignored or of handling the products inappropriately.



IMPORTANT NOTE

This indicates additional instructions that you should consider during the installation.



DO NOT

This indicates something that you must never do.



RISK OF FIRE

This designates a danger of risk of fire or damage to property.



RISK OF EXPLOSION

This designates a danger of risk of an explosion.



HOT GLASS WARNING

This indicates danger of serious bodily injury or property damage if glass is handled while still hot.



CAUTION

This indicates danger of serious bodily injury or property damage



STOP!

This indicates notes that may include reviewing warnings on other pages throughout the manual

B. IMPORTANT SAFETY CONSIDERATIONS

- 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. When drawing room air for combustion 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.
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.
- Clothing or other flammable material should not be placed on or near the appliance.
- Adequate accessibility clearances for servicing and proper operation must be maintained.
- This appliance must not share or be connected to a chimney flue serving any other appliance.
- Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.
- The flow of combustion and ventilation air must not be obstructed.
- Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.
- The glass front or any part removed for servicing the appliance must be replaced prior to operating the appliance. Work should be done by a qualified service technician.
- Clean glass only when cool and only with non-abrasive cleansers.
- Do not operate this appliance with the glass/frame assembly removed, cracked or broken. 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.
- 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.
- **DANGER: Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.**
- **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.

2 - COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS



NOTE: 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.

APPROVED CARBON MONOXIDE DETECTORS

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

SIGNAGE

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

INSPECTION

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

EXEMPTIONS

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4: The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

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.

MANUFACTURES REQUIREMENTS GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

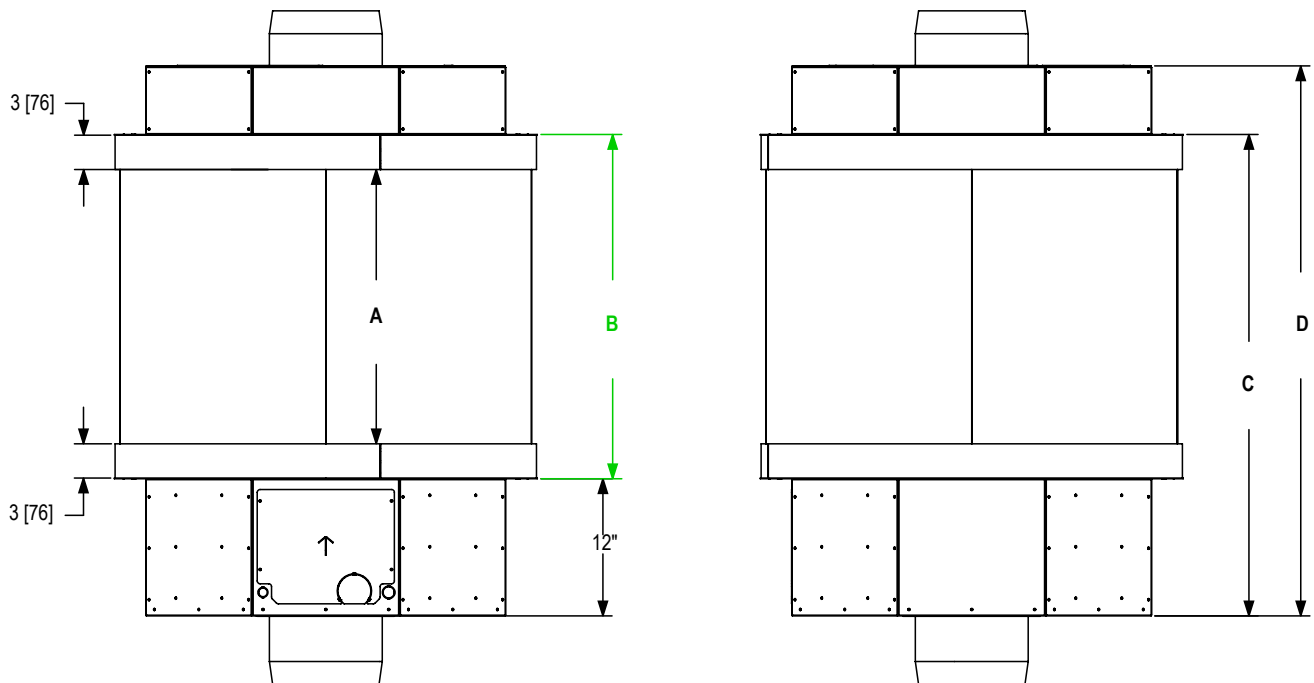
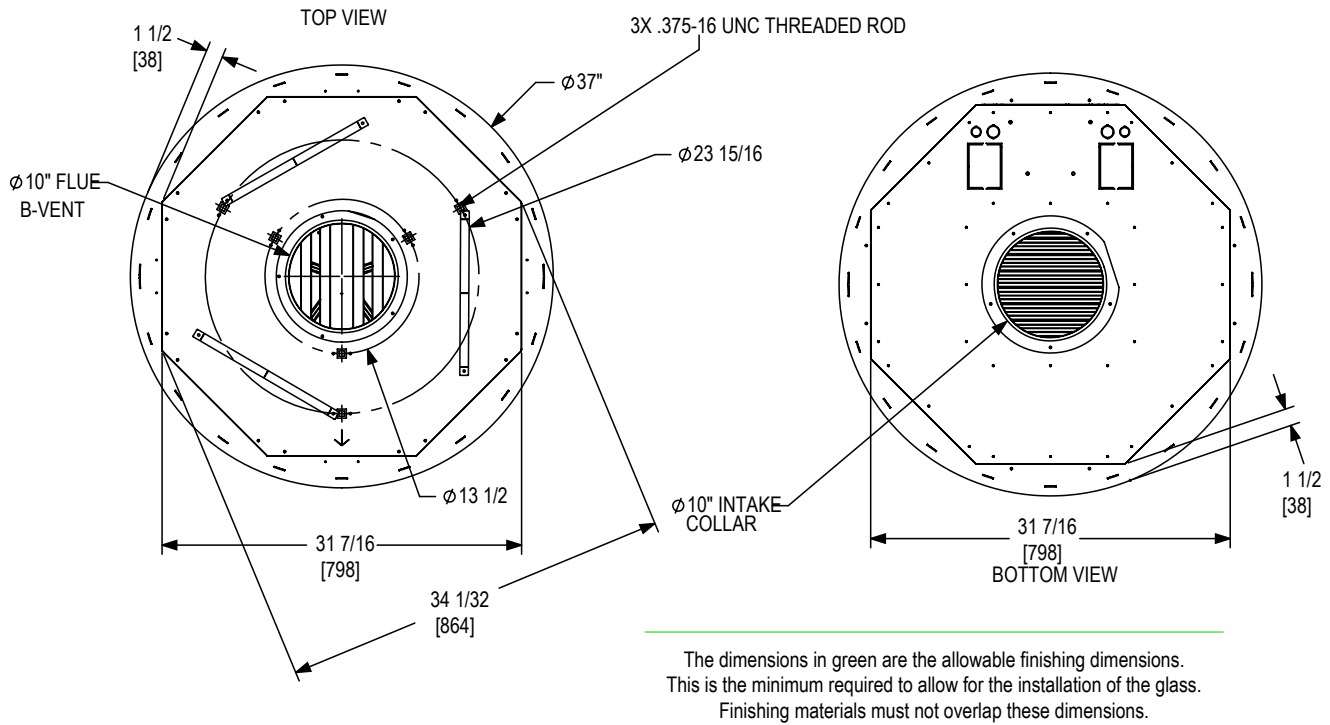
When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

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.

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.

3 - SPECIFICATIONS

A. FIREPLACE DIMENSIONS



SPECIFICATIONS			DIMENSIONS - INCHES [MILLIMETERS]			
Model #	B-VENT	OA	A	B	C	D
3RD-24GL	10"	10"	24 [610]	30-1/8 [791]	42-1/8 [1,070]	48-1/8 [1,222]
3RD-36GL	10"	10"	36 [914]	42-1/8 [1,070]	54-1/8 [1,375]	60-1/8 [1,527]

Figure 3A

3 - SPECIFICATIONS



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 1/2 PSIG (14 in. w.c. / 3.5 kPa).

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 1/2 PSIG (14 in. w.c. / 3.5 kPa).



NOTE: For high altitude installations, consult Stellar by Heat&Glo directly for proper rating methods.

B. GAS & ELECTRICAL ACCESS LOCATIONS

Top View

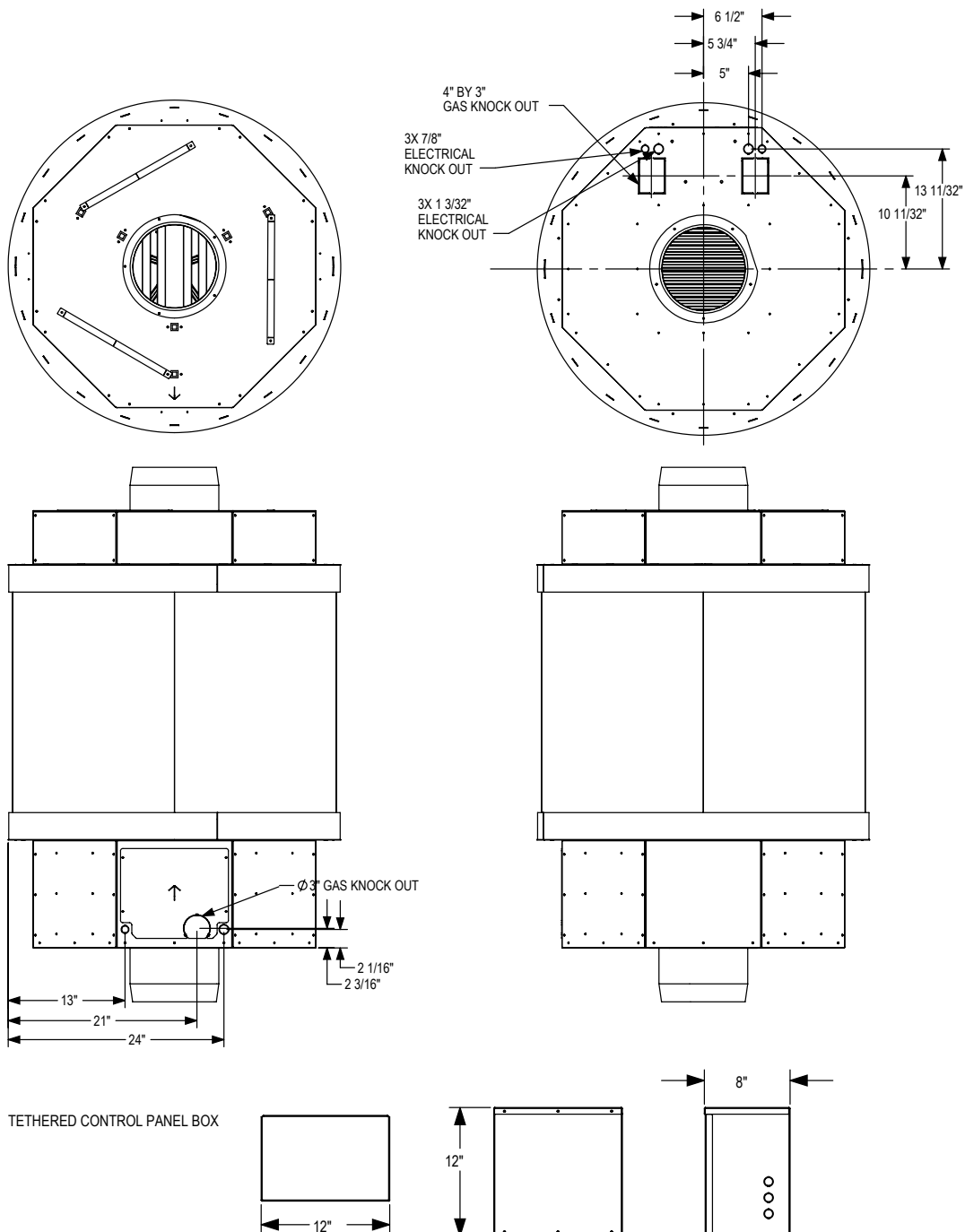


Figure 3B

3 - SPECIFICATIONS

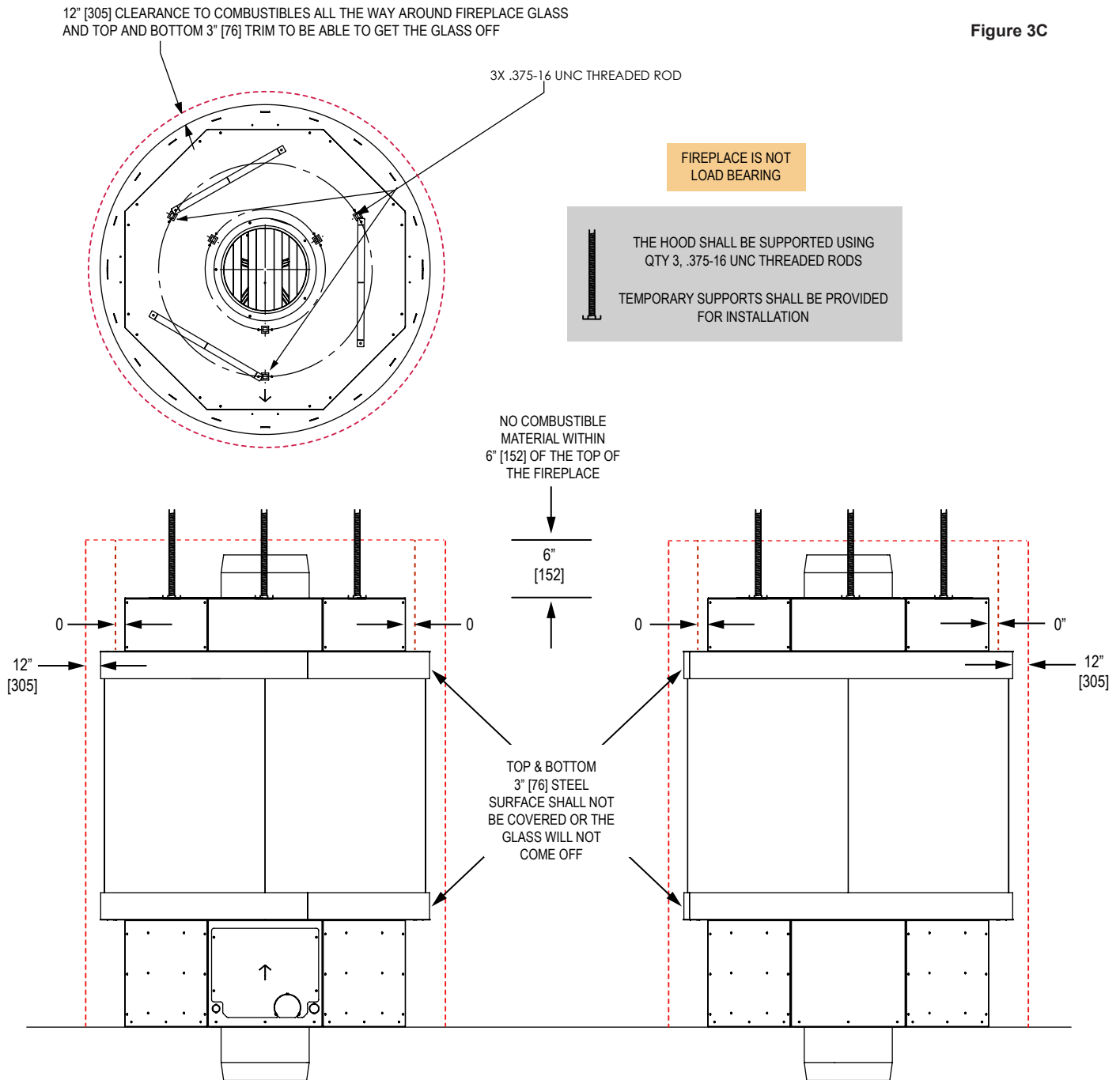


WARNING: NON-COMBUSTIBLE ZONE: USE ONLY NON-COMBUSTIBLE MATERIAL IN THIS AREA FOR ENTIRE WIDTH OF FIREPLACE. DO NOT USE WOOD, SHEETROCK, ETC., IN THIS ZONE.



NOTE: OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED. REFER TO SPECIFICATIONS 3C FOR MORE INFORMATION.

Figure 3C



OTHER CLEARANCE NOTES:

DO NOT PLACE ON CARPET, VINYL OR SOFT SURFACES.

COMBUSTIBLE FRAMING AND FINISHING MAY BE PLACED ON THE FIREPLACE ANYWAY BELOW THE BOTTOM OF GLASS VIEWING

PLEASE PLAN FOR THE FINISHING OF THE ELECTRIC ACCESS PRIOR TO ANY FRAMING

TOP & BOTTOM 3" [76] STEEL SURFACE SHALL NOT BE COVERED. TRIM MUST BE REMOVABLE TO INSTALL AND REMOVE GLASS.

3 - SPECIFICATIONS



NOTE: The qualified installer should follow the procedure best suited for the installation.

C. CLEARANCES TO COMBUSTIBLES

From unit left & right sides	1"	25.4 mm
To flooring under fireplace	0	0
Unit top to ceiling	48"	121.9 cm
Unit side to adjacent sidewall	1"	25.4 mm

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. INSTALLATION OVERVIEW

1. Frame an opening for fireplace, allowing for vent installation.
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. Insert fireplace into framing.
5. Double check clearances to combustibles.
6. Complete gas line installation.
7. Complete electrical hook-up.
8. Complete venting installation.
9. Install facing material, mantel or cabinetry.
10. Install logs or glass and ember material or media.
11. Verify proper operation of fireplace and all components.

IMPORTANT NOTE:

- Wood may be used as a hearth extension.

Non-Combustible Materials Specifications

Material which will not ignite and burn.

Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing **ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C** shall be considered non-combustible materials.

Combustible Materials Specifications

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered shall be considered combustible materials.

4 - PREPARE THE FIREPLACE



CAUTION: FIREPLACE IS NOT LOAD-BEARING.



NOTE: OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED.

4 - PREPARE THE FIREPLACE

A. ORIENTATION OF FIREPLACE

TEMPORARY SUPPORT BRACKETS

The four (4) temporary support brackets are not shipped in place on the fireplace. You will be required to assemble them at the job site to support the hood prior to installing the required threaded rods that support the hood. Once the hood is properly supported with the required threaded rods using either the inner circle or outer circle threaded rod locations and the fireplace is confirmed to be level, the temporary supports may be taken off and the glass panels installed. Refer to Threaded Rod Requirements for more information on placement.

NOTE: If using our optional aluminum hood and cladding, the inner bolt circle must be used.

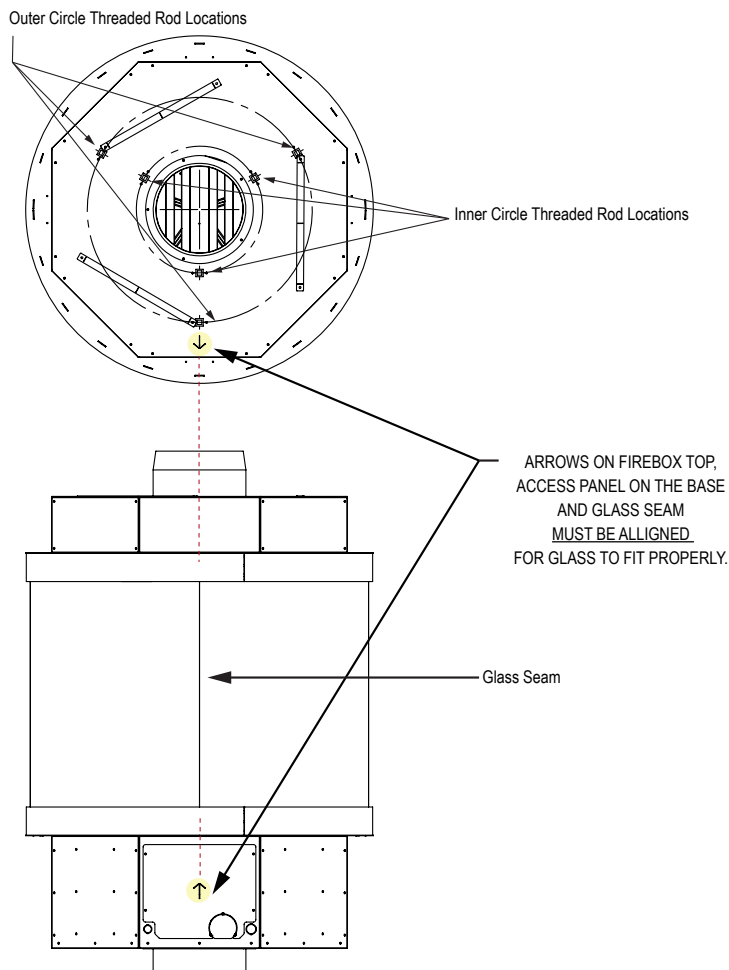


Figure 4A.1

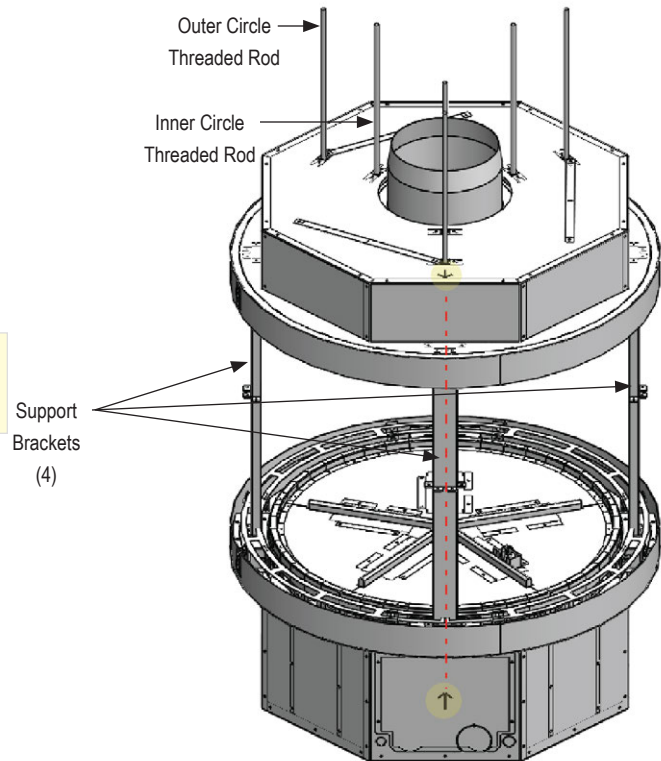


Figure 4A.2

- IMPORTANT: FIREPLACE ORIENTATION -

Prior to installing the temporary support brackets, it is important to orient your fireplace base and hood properly. Take into consideration there are four (4) glass seams total, and one seam will need to be fully aligned with the arrows found on the hood and the base access panel. Visualize the full room around the fireplace and where you may want the glass seams to be placed in relation to any furniture or sitting area.

Once you have the orientation finalized, you can install the temporary support brackets according to the installation instructions found on the following pages.

Again, it is imperative that the top hood arrow, a glass seam and the arrow on the base access panel are aligned or the glass will not fit properly.

After support bracket installation, you can continue on to installing the three (3) required threaded rods.

4 - PREPARE THE FIREPLACE

B. SUPPORT BRACKET INSTALLATION

The hood must be supported at specific locations using 3/8-16 UNC threaded rods.

Temporary support brackets are put in place for shipping and installation support and must stay in place until fireplace hood is fully supported.

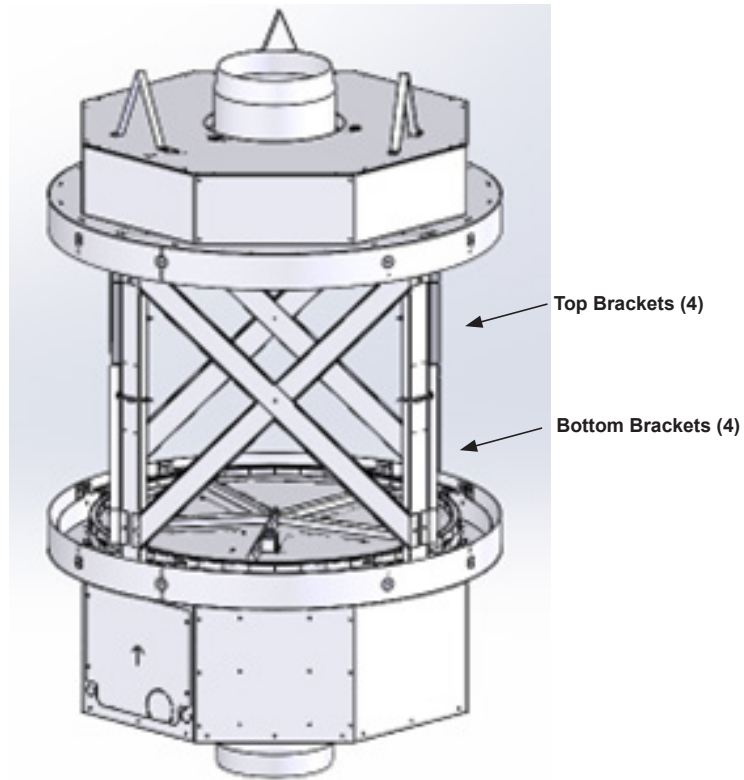
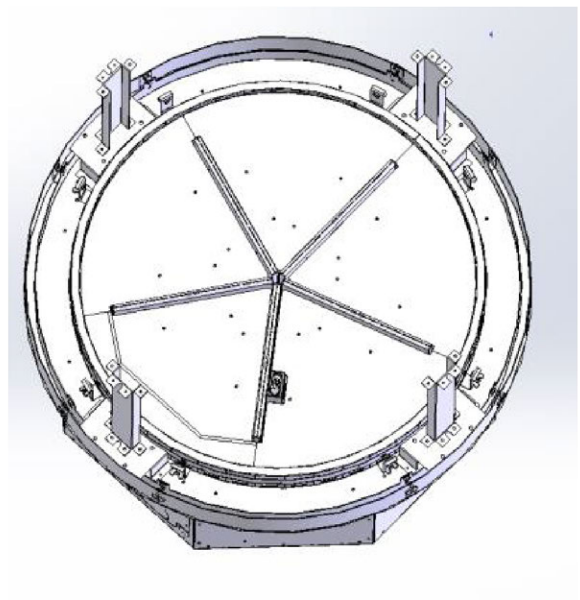
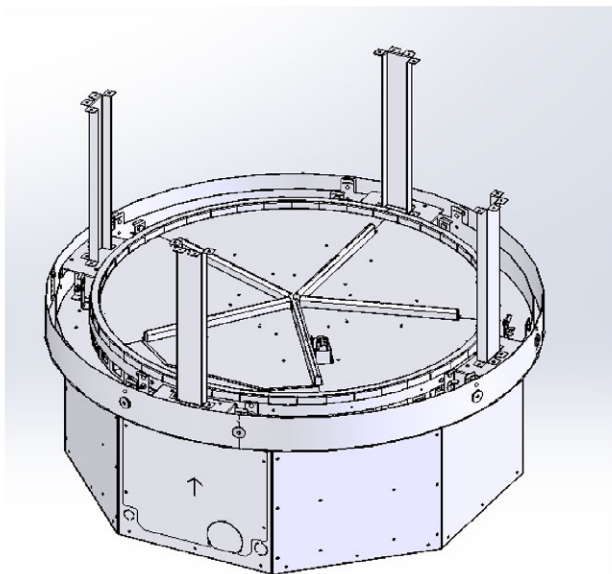


Figure 4B.1

Figure 4B.2 Attach the four bottom brackets to the base in the orientation shown.

Figure 4B.3 Attach screws in this area to all four brackets.



4 - PREPARE THE FIREPLACE

B. SUPPORT BRACKET INSTALLATION

Figure 4B.4

Attach top brackets to bottom as shown with screws.

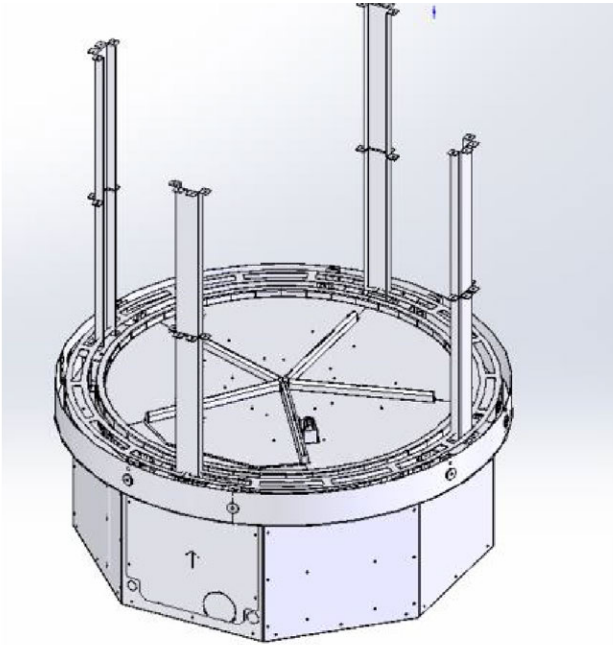


Figure 4B.5

Carefully place hood on top of the brackets.

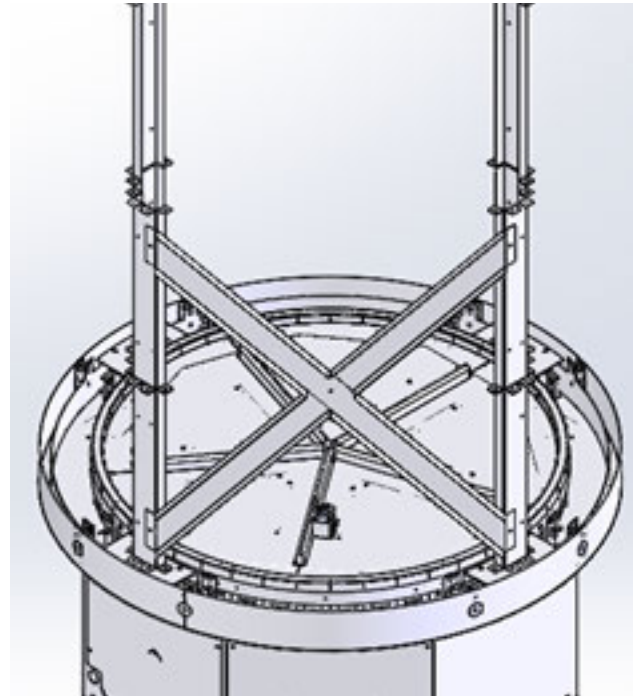


Figure 4B.6

Attach screws in this area on all four brackets.

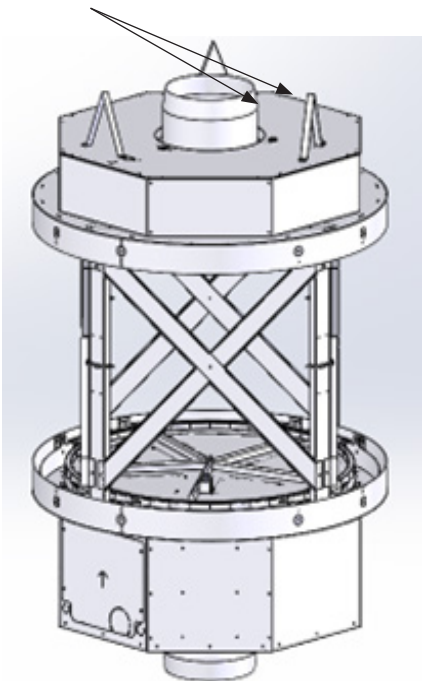
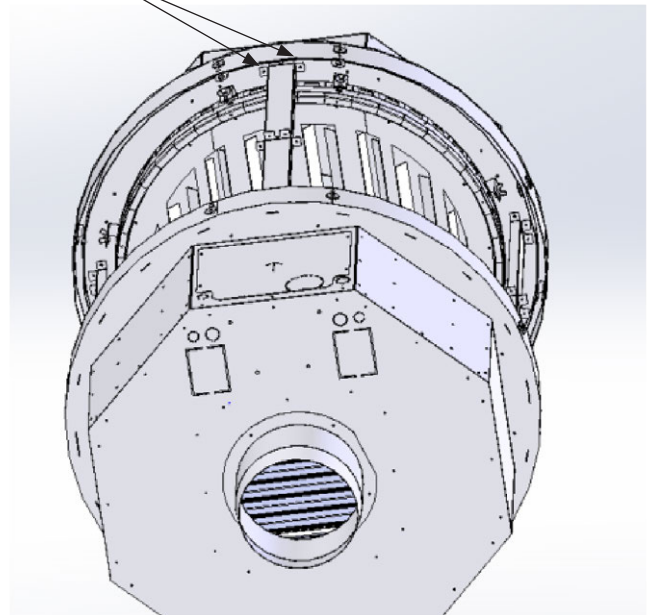


Figure 4B.7

Attach screws in this area on all four brackets.



Do not take out the temporary supports until the fireplace is confirmed to be level and fully supported by the threaded rods.

4 - PREPARE THE FIREPLACE

C. THREADED ROD REQUIREMENTS

The fireplace requires 3 threaded rods to be placed at certain locations to support the hood (3/8-16 UNC)

You can choose to use all three outer circle threaded rod locations or all three inner circle threaded rod locations shown below.

DO NOT USE a mix of outer and inner locations.

NOTE: If using our optional aluminum hood and cladding, the inner bolt circle must be used.

Example of parts needed and threaded rod installation shown on the following pages.

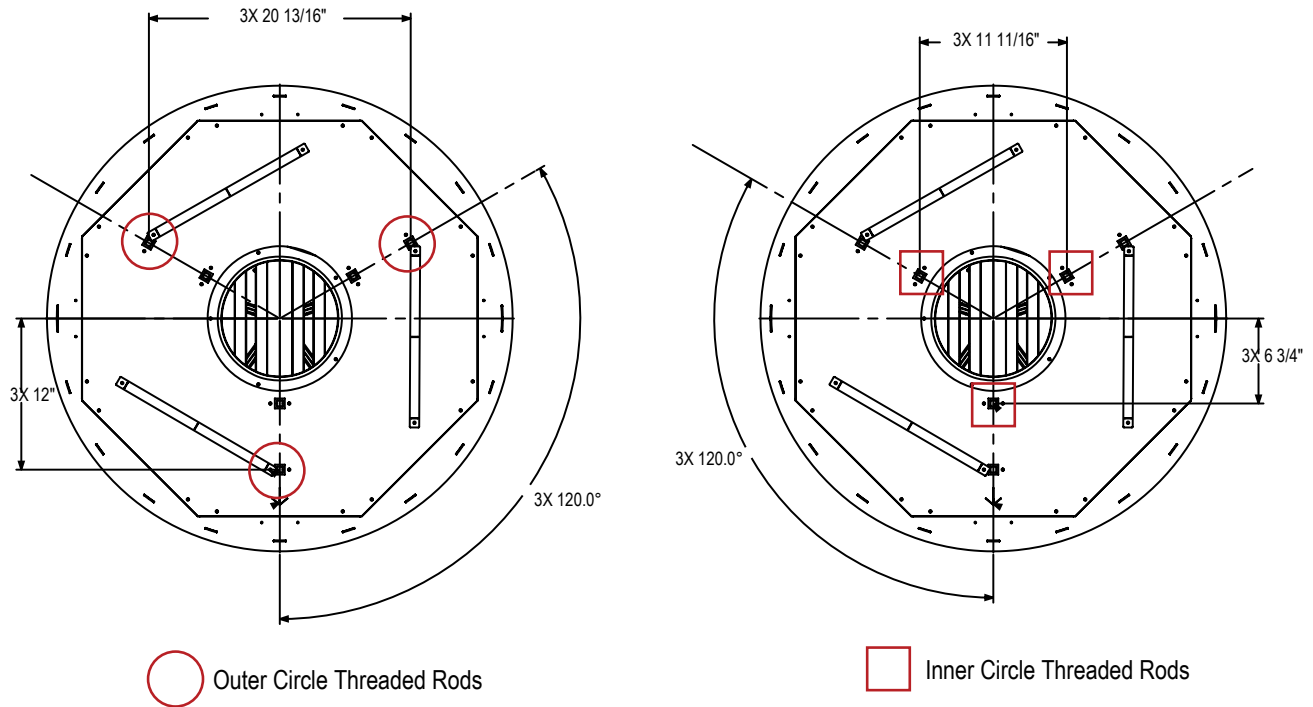


Figure 4C

4 - PREPARE THE FIREPLACE

D. THREADED RODS INSTALLATION (EXAMPLE)

There are several different ways to support the fireplace top and one option is to use a Uni-strut installed over the fireplace that is secured to structurally sound framing.

For each threaded rod installation you may need:



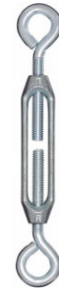
Super Strut
or Uni-Strut



Qty 1
3/8-16
Eyebolt



Qty 1
Threaded
Quick Link



Qty 1
3/8-16
Turnbuckle



Qty 1
3/8-16
Threaded Rod
or All Thread



Qty 1
Fender
Washer



Up To Qty 3
3/8-16
Nut

Parts Needed Per Threaded Rod Used

Figure 4D.1



Figure 4D.2

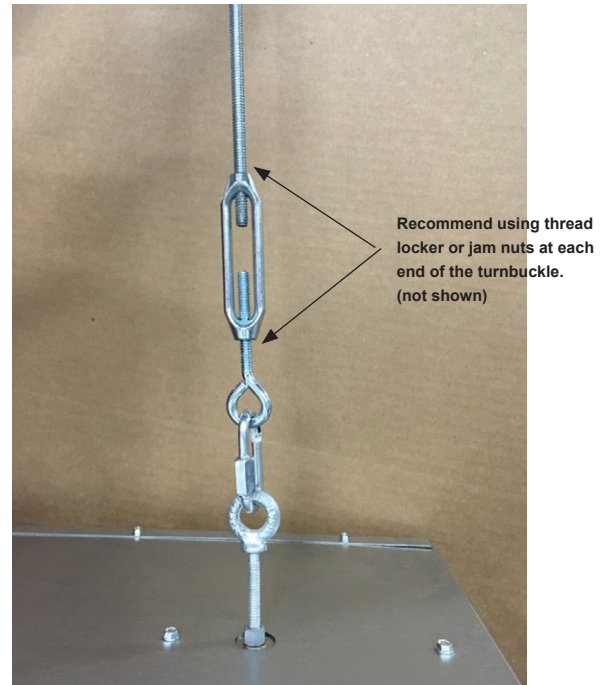


Figure 4D.3

- Install the threaded rod fully into the threaded fastener located on top of the fireplace.
- Insert the threaded rod into a hole in the Uni-strut straight above the threaded fastener located on top the fireplace.
- Use a fender washer and nut on the top end of the threaded rod to adjust the height of the fireplace opening. Make sure the opening dimension is exact all the way around. Use thread locker to secure the nut from loosening (not shown).
- If the top of the threaded rod is to be secured into blind threaded fastener or if there isn't clearance above to adjust the rod, you can use a turnbuckle to adjust the height.
- Install an eyebolt fully into the threaded nut located on top of the fireplace.
- Use a quick link to connect the eye bolt to the reverse thread side of the turnbuckle.
- Thread the threaded rod into the normal side of the turnbuckle.
- Use the thread locker or jam nuts to secure the turnbuckle from loosening.

5 - FRAMING

WALL ENCLOSURE ROUGH OPENING



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.

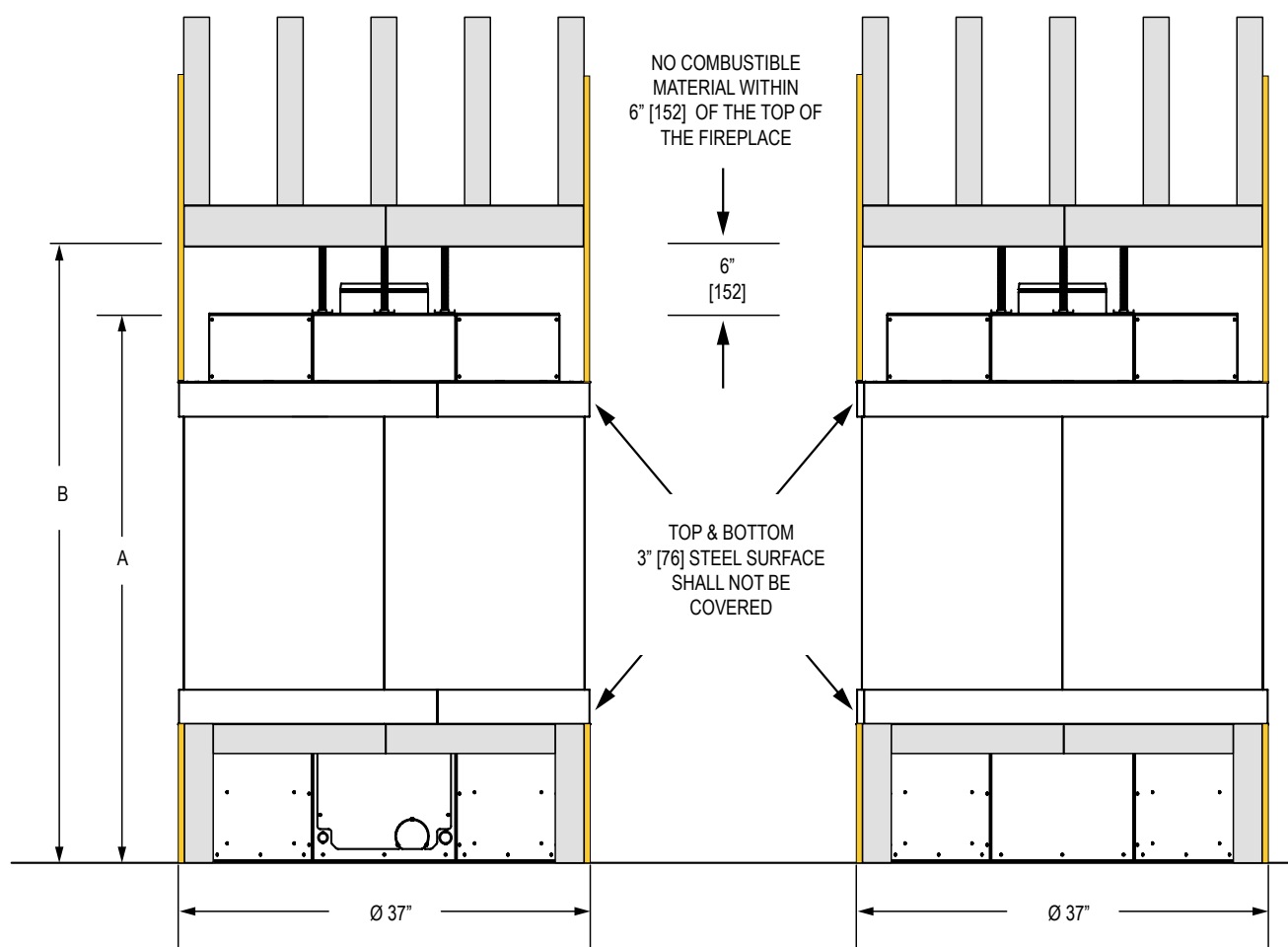
Model #	A	B
3-RD-24-G	48-1/8" [1,222]	54-1/8" [1375]
3-RD-36-G	60-1/8" [1,527]	66-1/8" [1,680]

THESE DIMENSIONS REPRESENT THE FRAMING DIMENSIONS FOR COMBUSTIBLE MATERIAL.
NON-COMBUSTIBLE FRAMING AND FINISHING MATERIALS MAY BE USED WITHIN THESE DIMENSIONS RIGHT UP THE UNIT.

NOTE: IF ANY FRAMING IS REQUIRED BETWEEN THE "B" HEIGHT AND THE TOP OF THE VIEWING OPENING, IT MUST BE STEEL STUDS. SEE SECTION 6 (NON-COMBUSTIBLE ZONE) FOR DETAILS.

MUST MAINTAIN 1" [25] MINIMUM CLEARANCE
AROUND B-VENT PIPE

FRAMING DIMENSIONS ASSUMING
1/2" [13] NON-COMBUSTIBLE BOARD USED



CLEARANCES ARE MINIMUM CLEARANCES TO COMBUSTIBLES.

NON-COMBUSTIBLE FRAMING AND FINISHING MATERIALS ARE ALLOWED RIGHT UP TO THE FIREPLACE.

IT IS RECOMMENDED TO SET THE FIREPLACE IN PLACE FIRST AND THEN FRAME.

DIMENSIONS SHOWN ASSUME A 1/2" [13] NON-COMBUSTIBLE BOARD USED. RECALCULATE DIMENSIONS FOR THE THICKNESS OF FRAMING AND FINISHING MATERIALS IF DIFFERENT IN YOUR OWN INSTALLATION.

Figure 5

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.



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

6 - MANTEL REQUIREMENTS

NON-COMBUSTIBLE ZONE & FINISHING SCHEMATIC

WARNING! Risk of Fire

Comply with all the minimum clearances as specified in Specifications - Clearances section.

Notes About TV Placement:

A mantel is not required if you are placing a TV above the opening.

No minimum clearance requirement for placement of TV if using a mantel.

12" [305] minimum clearance is recommended for placement of a TV above the opening if NOT using a mantel.

Note About Mantel Depth:

There are no minimum or maximum depth requirements for the mantel.

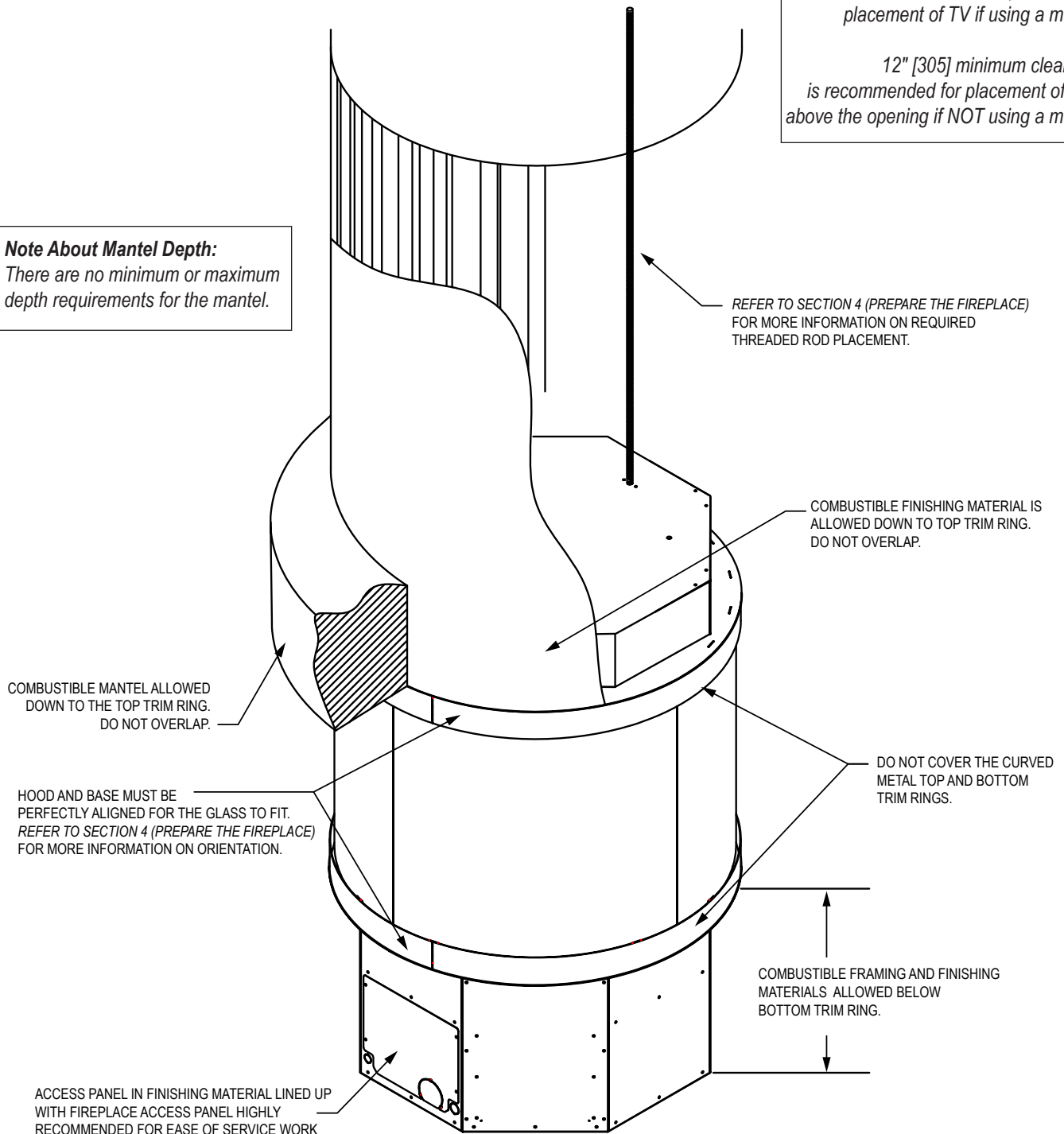


Figure 6

7 - GLASS FRAME ASSEMBLY



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



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



WARNING: RISK OF INJURY!

DO NOT remove glass until unit is cooled to room temperature. Glass breakage could occur.



NOTE: GLASS REMOVAL AND INSTALLATION MUST BE PERFORMED WITH TWO PEOPLE.



NOTE: Glass must be removed using quality suction cups.
DO NOT attempt to remove the glass without using proper suction cups.



NOTE: IN CASE OF CHIPPED OR BROKEN GLASS

Have your local dealer assist you with contacting Stellar Hearth Products directly for glass replacement.

7 - GLASS FRAME ASSEMBLY

ROUND GLASS INSTALLATION

Align top and base using a plumb bob to line the bolts on top and the bolts on the bottom up with each other.

Top must be exactly above the base in order for the glass to fit properly.

NOTE

When placing the glass, keep the wing nuts loose until all four pieces of glass are in place.

After lining the edges up, gently and evenly tighten the wing nuts.

ONLY TIGHTEN UNTIL SNUG.
Do not over-tighten.

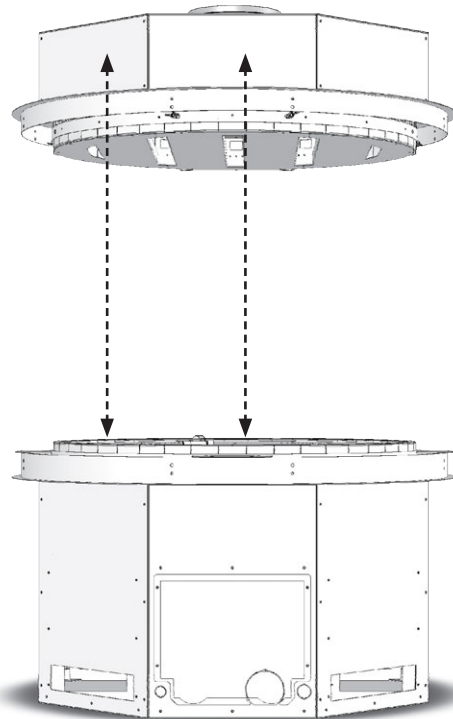


Figure 7.1

Glass Place

Install the smaller inner glass by placing evenly across half of the support with rubber pads.
DON'T LET GO - glass will tip out!

Secure with clips and wing nuts.
Do not over-tighten wing nuts.

Repeat for the other three panels.

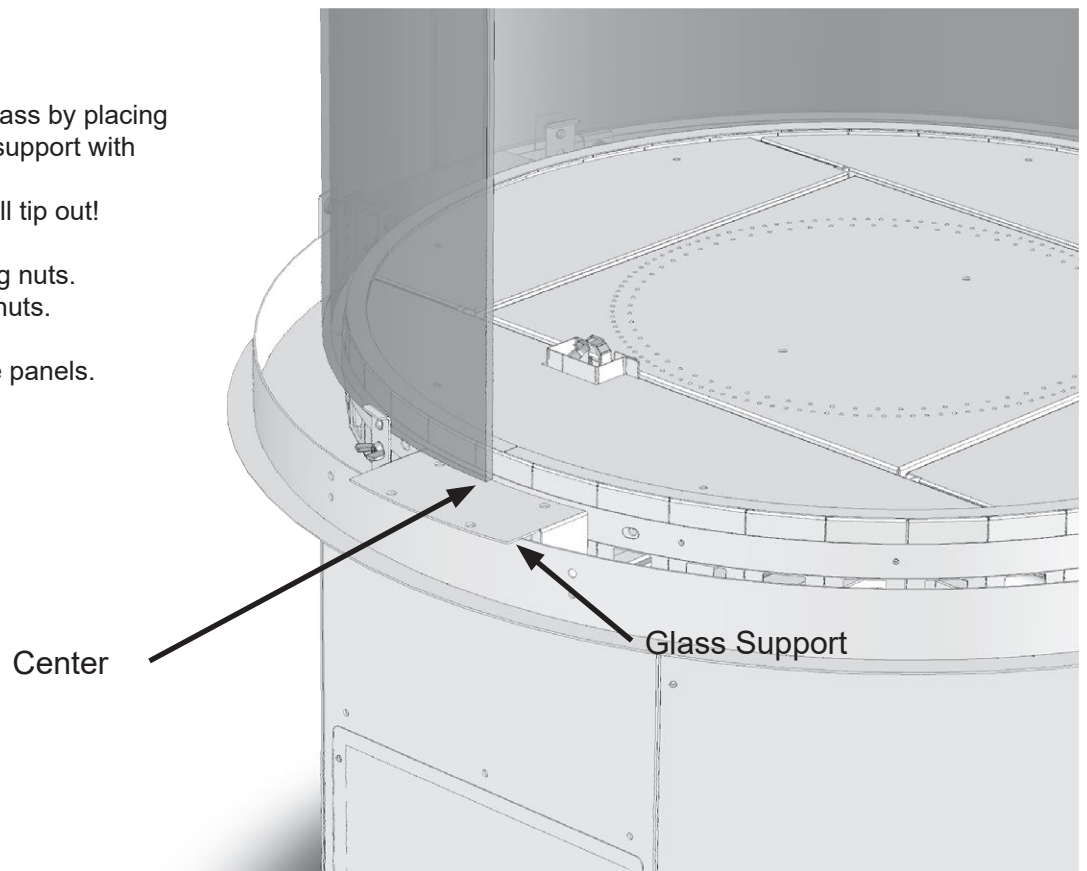


Figure 7.2

7 - GLASS FRAME ASSEMBLY

ROUND GLASS INSTALLATION

Inside Glass & Clip
View - Top

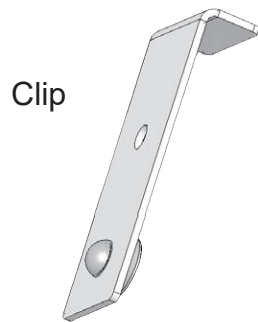
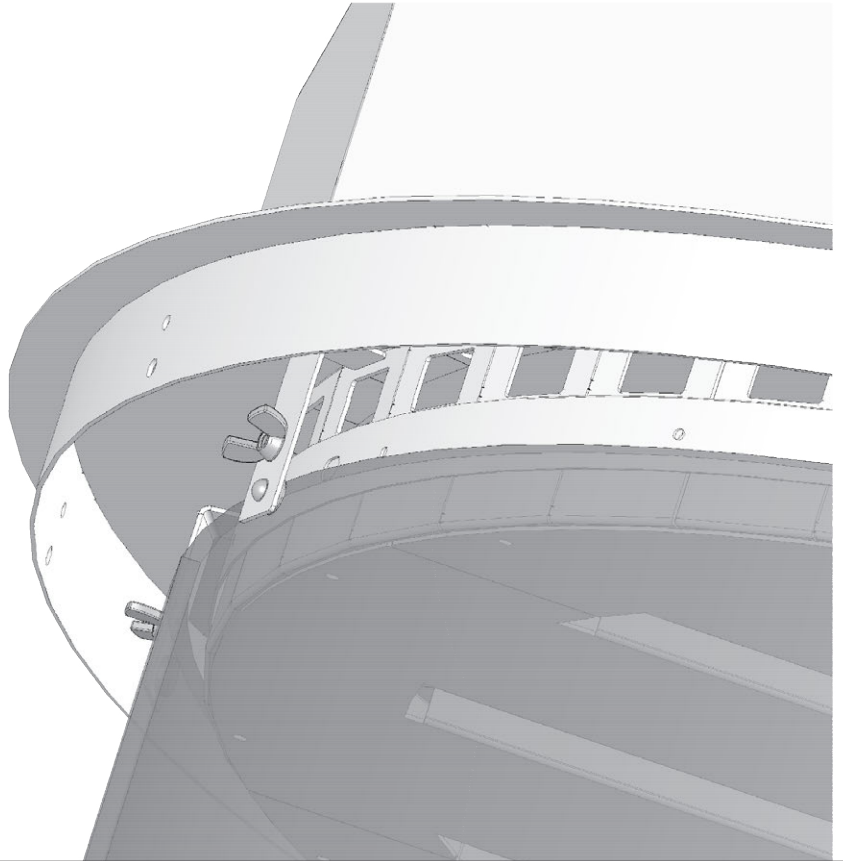


Figure 7.3



Inside Glass & Clip
View - Bottom

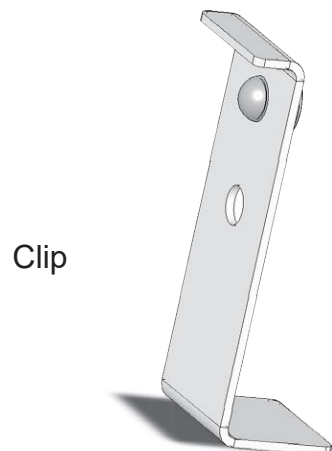
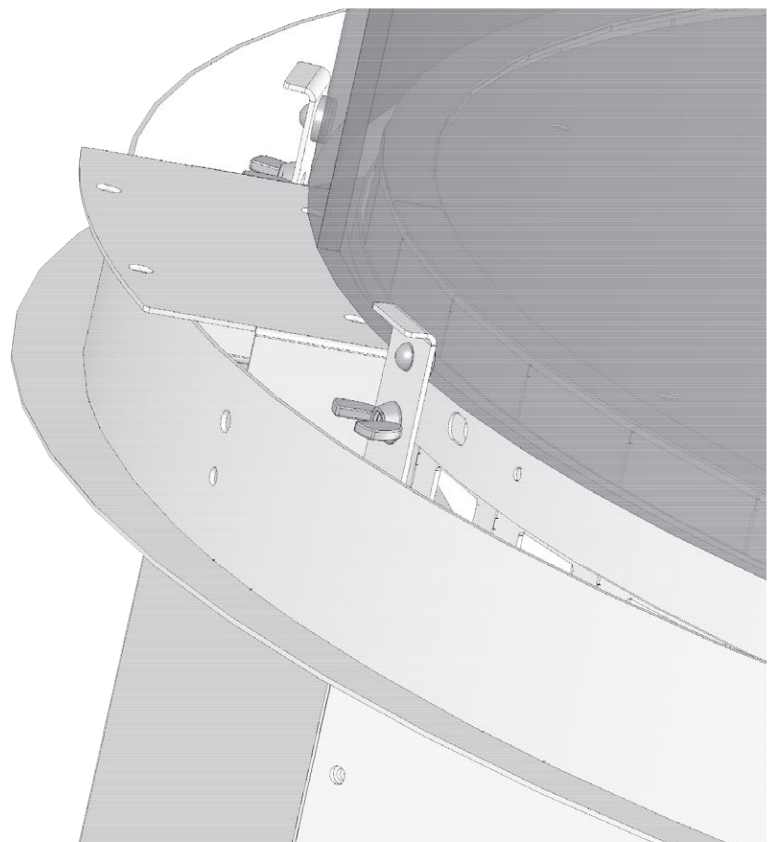


Figure 7.4



7 - GLASS FRAME ASSEMBLY

ROUND GLASS INSTALLATION

Install the lower and upper glass clips with a #8 pan head.

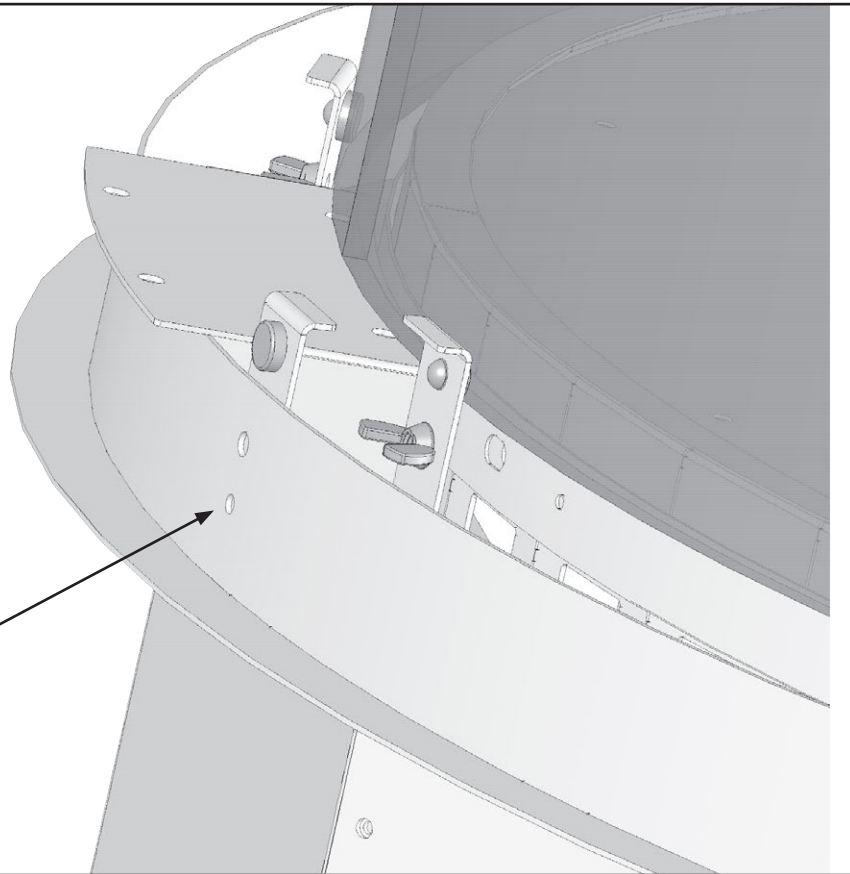
NOTE:

On most models these clips are built into the fireplace. You can skip to the trim ring step.

Clip

Attach with
#8 pan head
through this
hole.

Figure 7.5



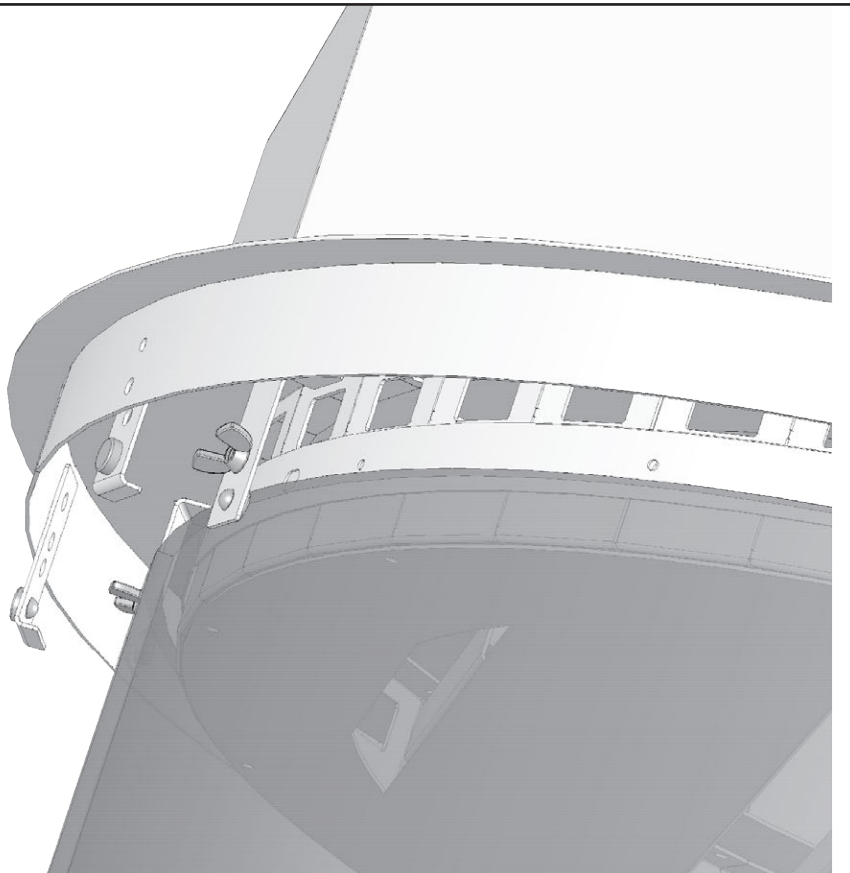
Top Inside Glass & Clip
View - Bottom

NOTE:

On most models these clips are built into the fireplace. You can skip to the trim ring step.

Clip

Figure 7.6



7 - GLASS FRAME ASSEMBLY

ROUND GLASS INSTALLATION

Place trim rings between glass on glass supports.

Trim Rings

Glass Support

Figure 7.7

Outer Glass - Bottom

Install the outer glass by placing evenly across half of the support with rubber pads.

DON'T LET GO - glass will tip out!

Secure with #8 flat head through magnet. Tighten loosely until pad just touches the glass.

Glass will need adjusting to get last piece installed.

After last piece is installed, gently snug each screw a little at a time going around the fireplace until all are gently holding the glass.

Attach with #8 flat head through center of the magnet.

Clip

Figure 7.8

7 - GLASS FRAME ASSEMBLY

ROUND GLASS INSTALLATION

Outer Glass - Top

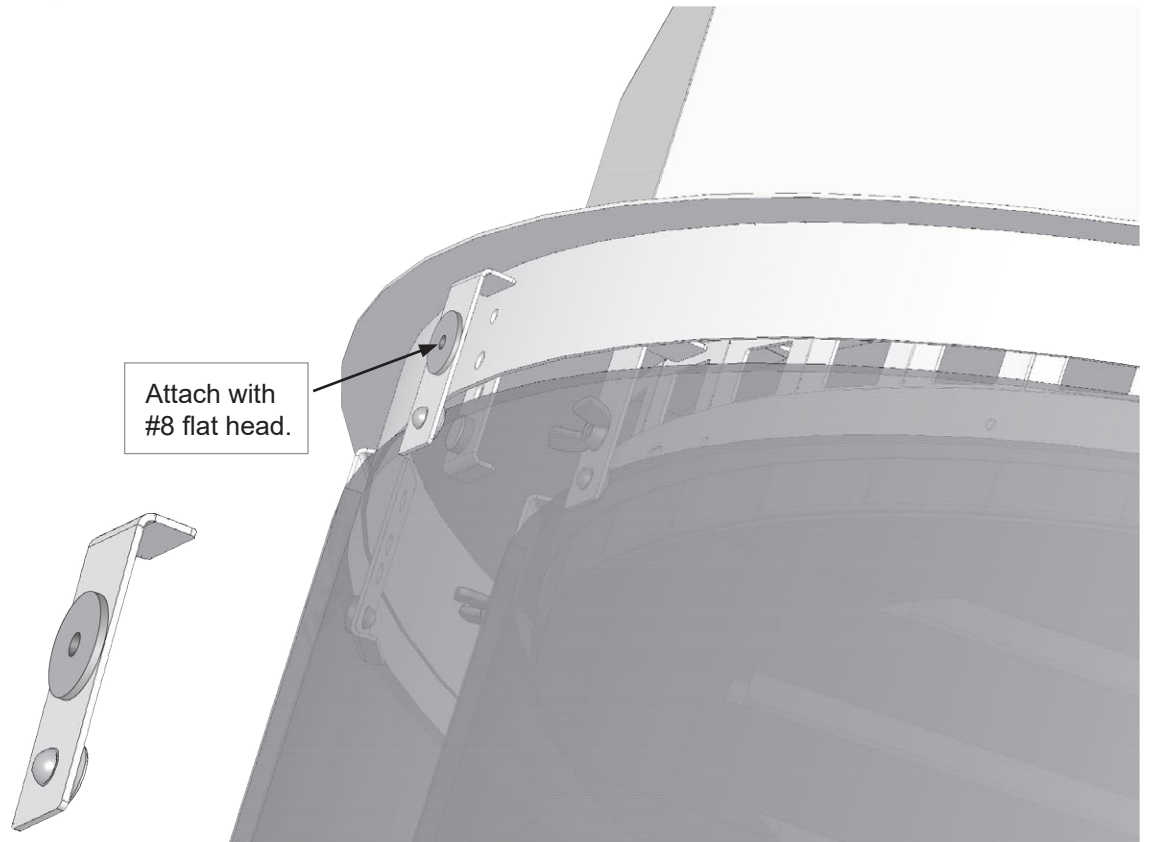


Figure 7.9

Top and Bottom 3" Trim

Install trim bands.

Start by attaching one band across the center of a magnet. Continue around and you will end up at a center of a magnet.

Do the rest of the bands in a similar way.

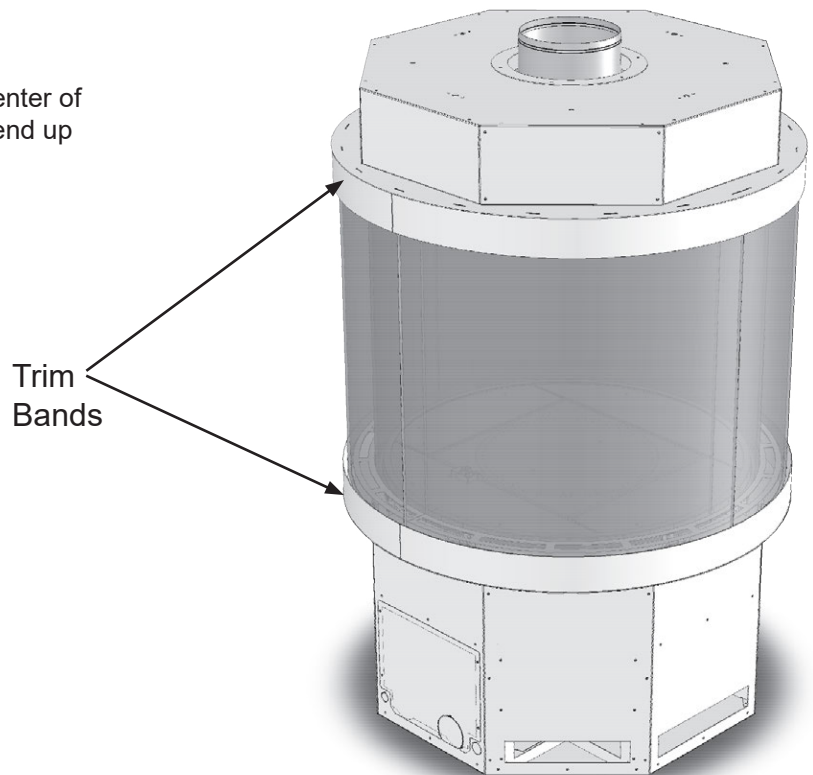


Figure 7.10

8 - GAS LINE SPECIFICATIONS

This fireplace is manufactured for use with Natural Gas or Propane.



WARNING: Risk of Fire! Risk of Explosion! Risk of Asphyxiation!



Follow all instructions and warnings for installing and servicing gas line.

- Gas line installation and service must be performed by a qualified installer or licensed plumber in accordance with all applicable codes for the installation location (NFPA 54 / ANSI Z223.1, the current International Fuel Gas Code, or CAN/CSA B149 in Canada) (In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter).
- Check all fittings and connections by means of a listed combustible gas detector, a noncorrosive leak detection fluid, or other approved leak detection method. **DO NOT** use open flame.



A. FUEL CONVERSION

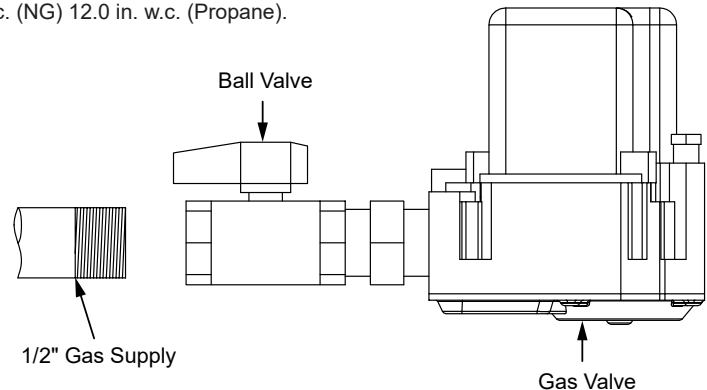
- Make sure the appliance is compatible with available gas types.
- Conversions must be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

B. GAS PRESSURE

- Install pressure regulator upstream of gas valve if line inlet pressure exceeds 1/2 PSIG.
- Recommended inlet pressure for optimal appliance performance: 7.0 in. w.c. (NG) 12.0 in. w.c. (Propane).
- Pressure requirements when in operation are:

GAS LINE CONNECTION	Propane	NG
MINIMUM INLET GAS PRESSURE	11.0 inches W.C. (recommended)	7.0 inches W.C. (recommended)
MAXIMUM INLET GAS PRESSURE	14.0 inches W.C.	10.0 inches W.C.
MANIFOLD PRESSURE (HI)	10.0 inches W.C.	3.5 inches W.C.
ORIFICE SIZE	(5X) 55	(5X) 43
INPUT BTU/HR	100,000	100,000

- Verify inlet pressure is within specified range, including when other household gas appliances are operating.



NOTE: A listed (and Commonwealth of Massachusetts approved) 1/2 in. T-handle manual shut-off ball valve and flexible gas connector are connected to the 1/2 in. control valve inlet.

If substituting for these components, please consult local codes for compliance

C. GAS CONNECTION AND GAS LINE PURGING



WARNING: Risk of Fire! Risk of Explosion!

Gas buildup during line connection and purging could ignite.

- Support gas control when attaching pipe to prevent bending gas line.
- Gas line installation and purging of the gas fuel line **MUST** be performed by a qualified service technician or a licensed plumber in accordance with the applicable gas code for the installation location (NFPA 54 / ANSI Z223.1, the current International Fuel Gas Code, or CAN/CSA B149 in Canada).
- Use a listed combustible gas detector, a noncorrosive leak detection fluid, or other approved leak detection method to check all fittings and connections for gas leaks before lighting the appliance.
- Ensure ventilation.
- Eliminate ignition sources, such as sparks or open flames.



- Refer to Section 3.B for location of gas line access in appliance.
- Pipe incoming gas line into valve compartment.
- Ensure that gas line does not come in contact with outer wrap of the appliance. Follow local codes.
- Connect incoming gas line to the 1/2 in. NPT connection on manual shutoff valve.
- A small amount of air will be in the gas supply line and must be purged. Light the appliance to allow air to purge through the pilot assembly.

9 - VENTING



CAUTION: Consult the local and national installation codes to assure adequate combustion and ventilation air is available.



NOTE: Flame height and appearance will vary depending upon venting configuration and type of fuel used. Venting requirements apply to both Natural and Propane gas.



STOP: MAINTAIN ALL CLEARANCES AS STATED IN THIS INSTALLATION MANUAL.

A. APPROVED VENTING

Model #	DESCRIPTION	B-VENT	OUTSIDE AIR	STANDARD POWERVENT	IN-LINE POWERVENT
3-RD-24-G		10"	10"	RS012	RSIF180
3-RD-36-G		10"	10"	RS012	RSIF180

B. POWERVENT SUPPLY VOLTAGE

POWERVENT MODEL NUMBER	VAC	AMP	H/P
RS012	120	1.2	1/9
RSIF180	120	5.3	1/2

C. SYSTEM SUPPLY VOLTAGE

POWERVENT MODEL NUMBER	VAC	AMPS
RS012	120	3.2
RSIF180	120	7.3

*Amperage listed is the maximum required for the appliance with all options.

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.

SEE CHART ABOVE FOR SIZE diameter B-Type Venting that must be used. UL/CSA approved

B-Vent only. DO NOT decrease the vent size.

Vent runs are approved for up to 110 feet with quantity of eleven 90 degree elbows.

Vent runs may also contain a downward component. The downward component may be a maximum of 6 feet plus the distance to the center line of the elbow. See Figure 8A.1.

This will be about 87" for 8" diameter pipe and 92" for 10" diameter pipe.

Due to natural buoyancy of flue gas products, venting downward increases restriction.

Every inch of vertical drop counts as triple inches subtracted off the total vent run.

Example: a maximum drop of 92" means the total allowed vent run is decreased by 276" (23')

Once a downward component has been utilized, the vent cannot go upwards again.

Moisture may get trapped in the vent pipe.

Important: Be sure to do your own calculations based on the center line dimension given from the pipe manufacture you are using for your installation.

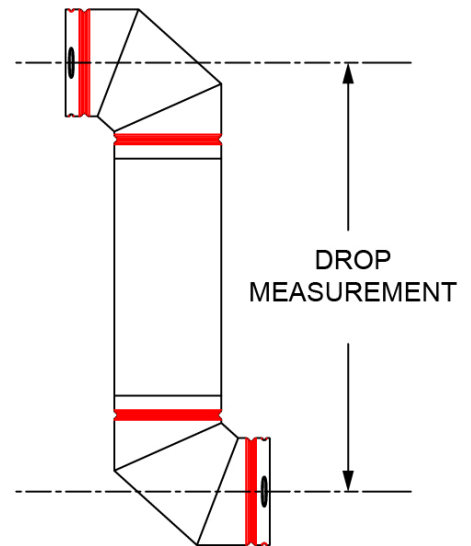


Figure 9A



NOTE: All pipe and elbow joints must be sealed. This is a UL tested and Stellar specific requirement, and may be different from the vent manufacturers instructions. This includes the longitudinal seam on the pipe. High Temp RTV Silicone and/or foil tape **MUST** be used on each joint/seam. Failure to do so may cause lack of vacuum and may not trigger the vacuum switch.



ATTIC INSTALLATIONS: Use an attic shield to maintain the required 1 [25] clearance to insulation.

9 - VENTING

D. RS SERIES POWERVENT SPECIFICATIONS

Available Power Venting

A power vent (RS012 & RS014) is approved for use with this appliance. It is crucial that all B-Vent pipe and elbow joints, and the longitudinal seam are sealed using a high temperature RTV Silicone and/or foil tape.

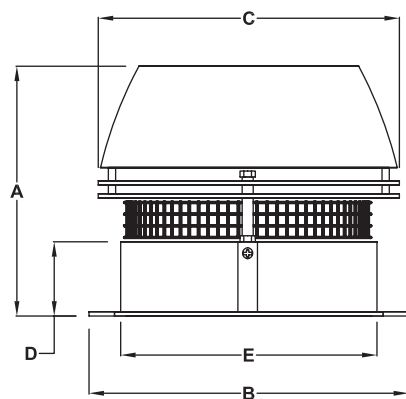


Figure 9D

MODEL	RS012	RS014
Fan Type	Axial vane	Axial vane
Motor Type	Totally enclosed, variable speed, Class F	Totally enclosed, variable speed, Class F
Voltage (VAC)	1 x 120	1 x 120
RPM	1600	1600
CFM	950	1400
Amperage (Amps)	1.2	1.4
Motor Output HP (kW)	1/9 (0.08)	1/7 (0.1)
Weight lbs (kg)	37 (17)	47 (21)
Dimension A in. (mm)	11.5 (292)	13.1 (334)
Dimension B x B in.(mm)	14.3 (364)	16.6 (422)
Dimension C in. (mm)	13.5 (344)	15.5 (395)
Dimension D in. (mm)	3.3 (85)	3.9 (100)
Dimension E in. (mm)	11.6 (294)	13.5 (342)
Temperature Rating-Intermittent	575 °F / 300 °C	575 °F / 300 °C
Temperature Rating-Continuous	482 °F / 250 °C	482 °F / 250 °C

E. CHIMNEY COLLAR DIMENSIONS

Chimney Collar Dimensions

A chimney collar is included for use with the RS012 and RS014. The chimney collar is used to attach the RS power vent.

Figures 9E.1 and 9E.2 show the dimensions of the chimney collar.

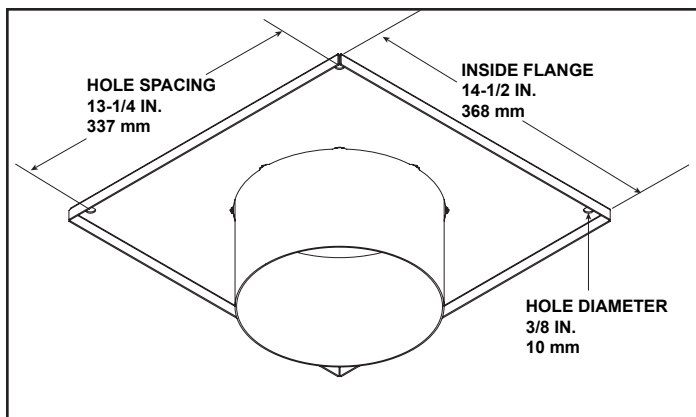


Figure 9E.1 8 Inch Chimney Collar Dimensions (RS012)

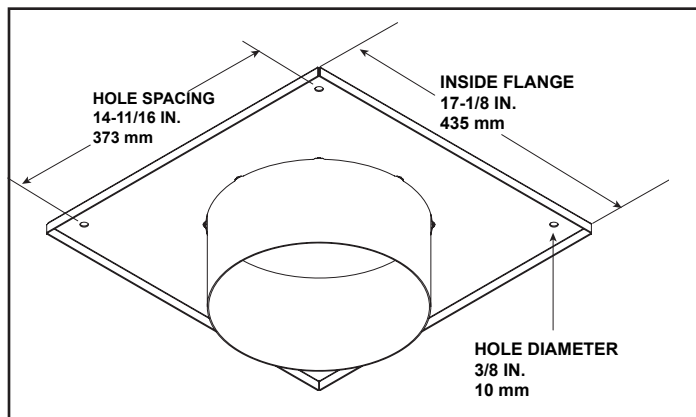


Figure 9E.2 10 Inch Chimney Collar Dimensions (RS014)

9 - VENTING

F. RSIF SERIES POWERVENT SPECIFICATIONS

Available In-Line Power Venting

An in-line power vent (RSIF180 only for the Round) is approved for use with this appliance. It is crucial that all B-Vent pipe and elbow joints, and the longitudinal seam are sealed using a high temperature RTV Silicone and/or foil tape.

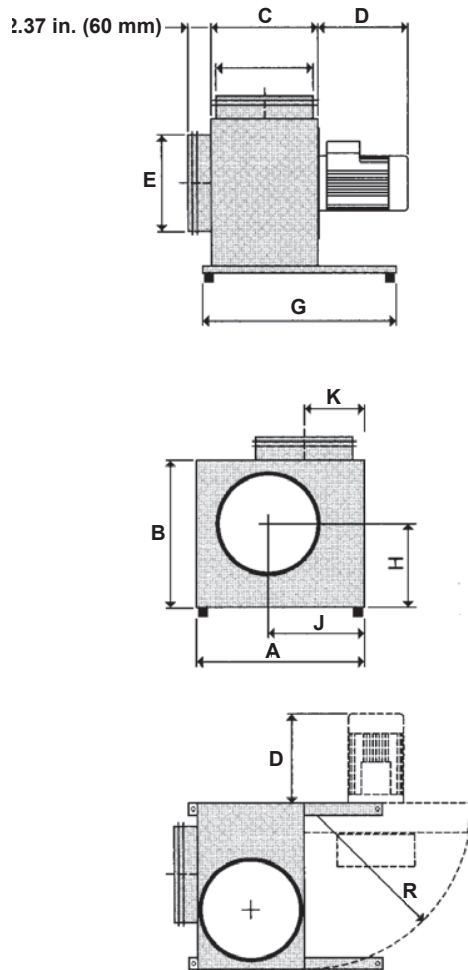


Figure 9F

MODEL		RSIF180
Fan Type		Centrifugal Impeller (F-Wheel)
Motor Type		TEFC
Voltage (VAC)		1 x 120
Amperage Amps		5.3
Motor Output hp (kW)		1/2 (.35)
RPM		1600
Weight lbs (kg)		38 (17)
Duct Connection (E) in. (mm)		8 (203)
Dimension A in. (mm)		14.57 (370)
Dimension B in. (mm)		12.60 (320)
Dimension C in. (mm)		9.26 (235)
Dimension D in. (mm)		5.52 (140)
Dimension E in. (mm)		7.9 (200)
Dimension G in. (mm)		15.75 (400)
Dimension H in. (mm)		7.10 (180)
Dimension J in. (mm)		8.27 (210)
Dimension K in. (mm)		5.12 (130)
Dimension R in. (mm)		14.57 (370)

9 - VENTING

G. IN-LINE POWERVENT PREPARATIONS

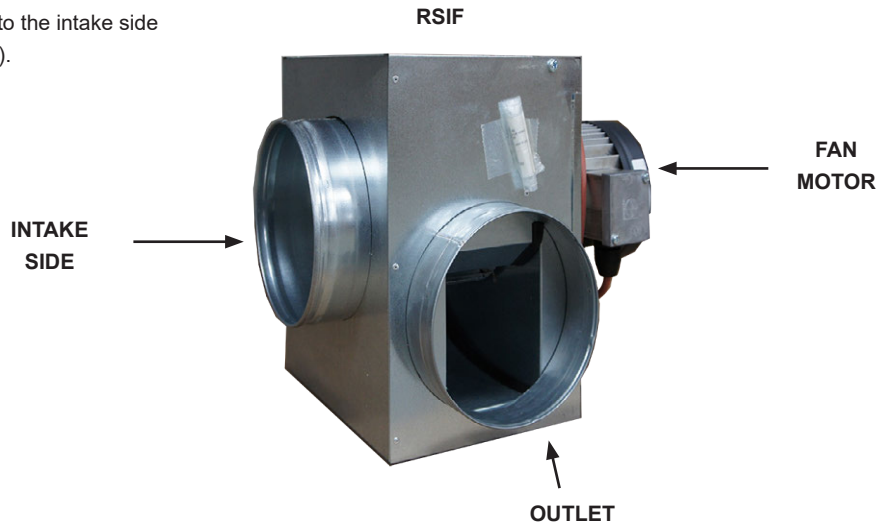
10" B-Vent Intake Collar

When installing a fireplace in conjunction with the Enervex RSIF In-Line Powervent System, you will need to attach the provided 10" B-vent collar (packaged separately from the Enervex powervent box) to the intake side of the RSIF powervent (side opposite from the fan motor).



10" B-Vent Collar
(Packaged Separately)

NOTE: Whether using 8" or 10" venting, install one rope ring gasket around the outlet and one around the inlet of the powervent.



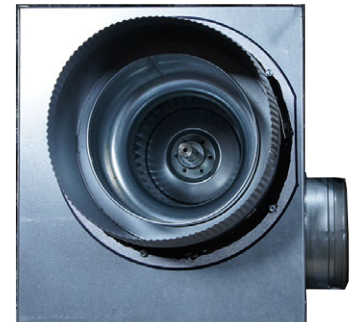
INTAKE SIDE

The intake side will have a silhouette circle printed on it and 5 pre-drilled screw holes to match the holes on the intake collar's base plate.

Place the intake collar onto the silhouette, match up the holes, and affix with the 5 self-tapping screws found in the installation manual bag.



Silhouette Circle
5 pre-drilled screw holes



Base Plate Fastened To Intake

EXHAUST SIDE - RSIF180

IMPORTANT NOTE:

*On the exhaust side of the RSIF180,
YOU WILL NEED TO USE AN 8" TO 10" INCREASER
(NOT INCLUDED WITH FIREPLACE).*

Purchase this adapter with the applicable B-Vent brand or vent pipe used. The increaser will connect directly to the 8" outlet collar of the powervent. Then connect your 10" B-Vent to the collar and continue the vent run.



8" to 10" Increaser

9 - VENTING

H. HORIZONTAL VENT SYSTEM CLEARANCES

ALL APPROVED VENTING	TOP	BOTTOM	SIDES
HORIZONTAL	1 inch [25mm]	1 inch [25mm]	1 inch [25mm]

I. WALL PASS-THROUGH - Follow all local codes for requirement of firestops.

J. PITOT TUBE INFORMATION (NA for Round)

9 - VENTING

K. VERTICAL TERMINATIONS

- The fireplace must terminate with the included approved powered termination cap.
- **NO SUBSTITUTION IS ACCEPTABLE.**
- Carefully follow the instructions included with the approved powered termination cap.
- **DO NOT** use an additional speed control on this powervent.
- You must use the included Capacitor.

L. HORIZONTAL TERMINATION VENT CAP LOCATION & CLEARANCES

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

- 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 not be obstructed.

LOCATION CLEARANCES:

- A. Above grade, veranda, porch, deck, balcony - 12 inches [305 mm].
- B. Operable window or door - 12 inches [305 mm]; 48 inches [1219mm] required for non-direct vent appliances using room air.
- C. Permanently closed window* - 12 inches [305 mm] (recommended to prevent condensation on window).
- D. Ventilated soffit* - 24" (610 mm). Unventilated soffit* - 12" (305 mm).
- E. Vinyl or Resin-based materials* - 36" (915 mm).
- F. Outside corner* - 6 inches [152 mm].
- G. Inside corner* to non-combustibles - 12 inches [305 mm]. Inside corner* to combustibles - 24 inches [610 mm].
- H. Meter / Regulator: Not to be installed above a gas meter/regulator assembly within 3 ft. [914 mm] horizontally from the center-line 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.
US: 9" [229 mm] CANADA: 12 inches [305 mm].
- K. Mechanical air supply inlet.
US: 3 ft. [914 mm] above if within 10 ft. [3.05 m] horizontal. Massachusetts installations: 10 ft. [3.05 m].
CANADA: 6 ft. [1.83 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] - Combustible - 24 inches [610 mm],
Non-Combustible - 12 inches [305 mm].
- N. Between two horizontal terminations - 12 inches [305 mm]. (Not shown in Figure 9L).
- O. Between two vertical terminations - 12 inches [305 mm]. Terminations may be same height (Not shown in Figure 8I).
- N & O: Minimum of 12 inches [305 mm] required when two exhaust termination caps are placed next to each other. Measurement must be taken from inside edge of one steel chimney adapter to the inside edge of the other steel chimney adapter. A metal divider plate with same length and height as termination cap is required to be installed between the caps. Divider plate is not required if caps are at least 24 inches [610 mm] apart, measured edge to edge.
- P. Above furnace exhaust or inlet - 12 inches [305 mm]. (Not shown in Figure 9I).

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



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.

-  VENT TERMINAL
-  AIR SUPPLY INLET
-  AREA WHERE TERMINAL IS NOT PERMITTED

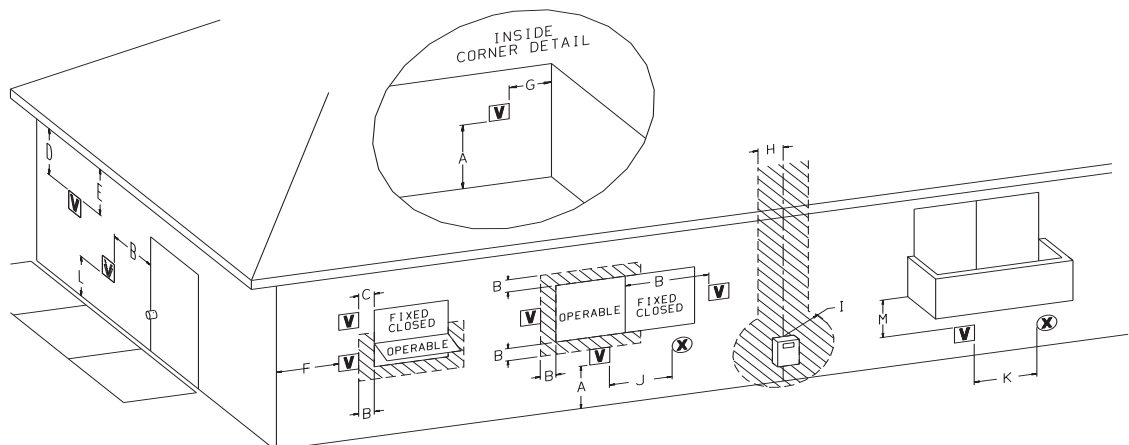
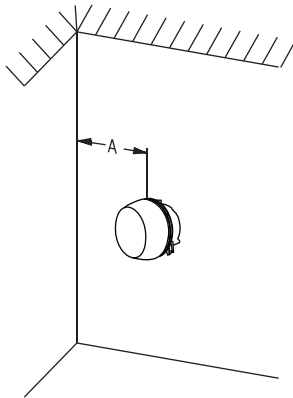


Figure 9L

9 - VENTING

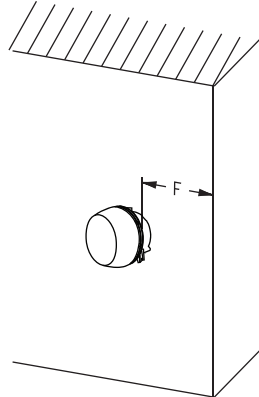
M. HORIZONTAL TERMINATION VENT CAP LOCATION & CLEARANCES

Inside Corner



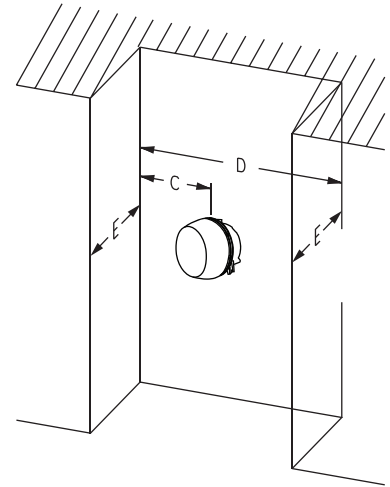
A = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

Outside Corner



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

Recessed Location

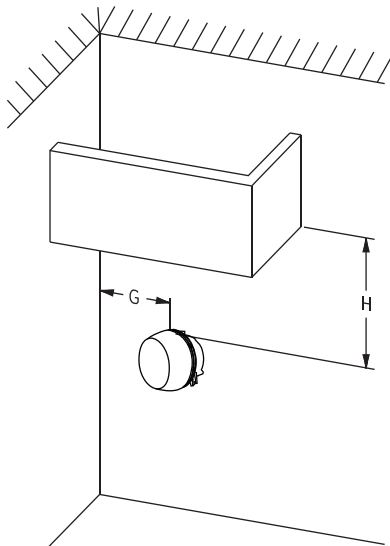


C = Clearance from corner in recessed location
= Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

D = Minimum width for back wall of a recessed location
= Combustible 64" (1,625.6mm)
= Non-combustible 40" (1,016mm)

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

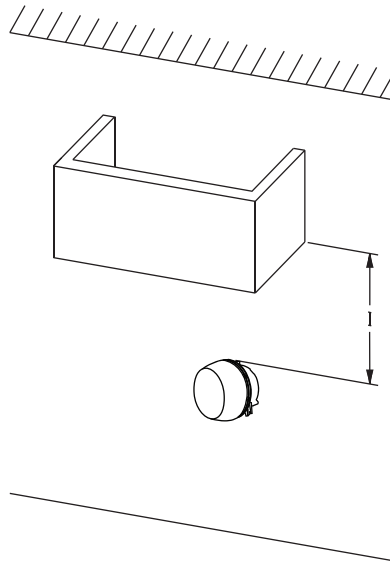
Balcony with perpendicular side wall



G = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

H = Combustible 24" (609.6mm)
= Non-combustible 12" (304.8mm)

Balcony with no side wall



I = Combustible 24" (609.6mm)
= Non-combustible 12" (305mm)

IMPORTANT:
All dimensions are from the edge of the cap.

NOTE: Vinyl sided needs additional clearance. Add 12" (305mm) to combustible clearances for vinyl siding.

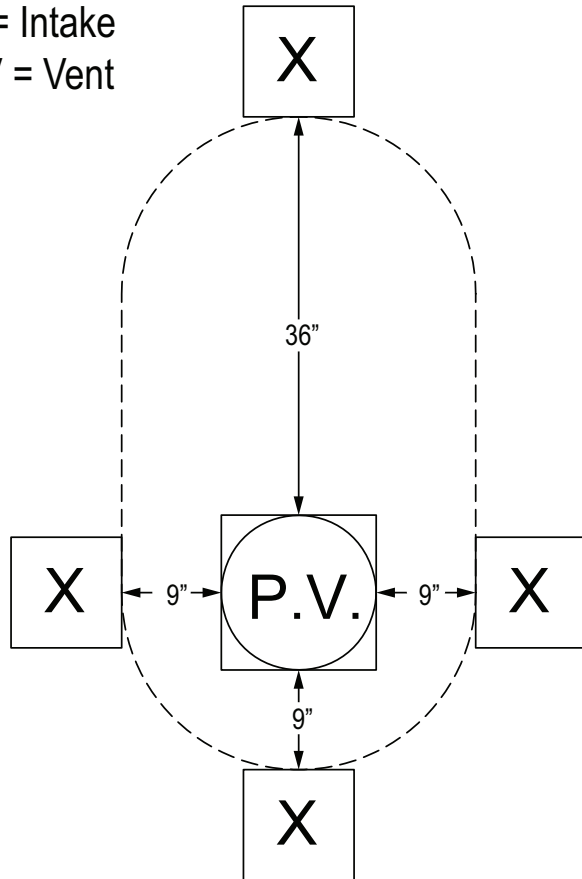
Figure 9M

9 - VENTING

N. POWERVENT AND AIR-INTAKE PLACEMENT CLEARANCES

RS SERIES POWERVENT

X = Intake
PV = Vent

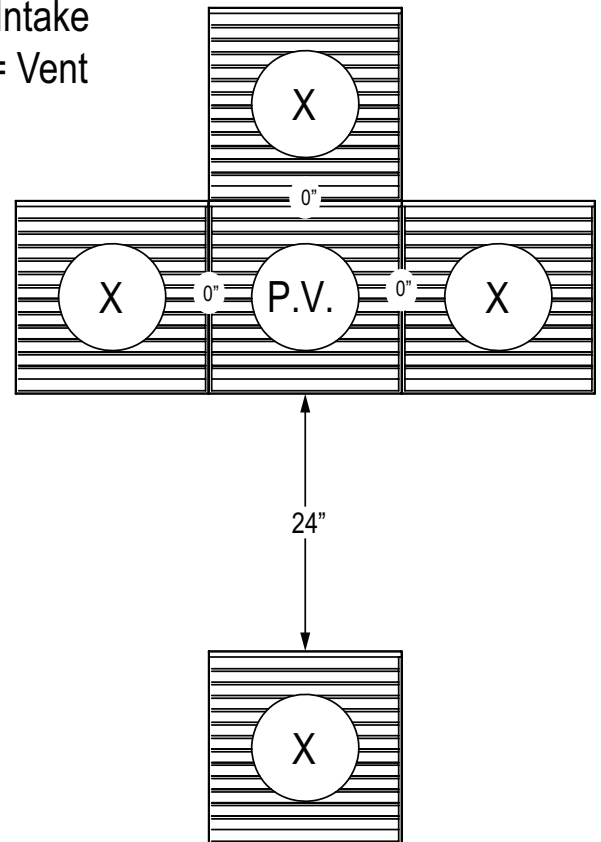


Minimum Clearance Using a RS Series Powervent
Intake Placed Above Vent = 36"
Intake Place To Left Side, Right Side or Below Vent = 9"

Figure 9N.1

IN-LINE POWERVENT (LOUVER 8/10)

X = Intake
PV = Vent



Minimum Clearance Using an In-Line Powevent
Intake Placed Below Vent = 24"
Intake Place To Left Side, Right Side or Above Vent = 0"

Figure 9N.2

9 - VENTING

O. VERTICAL VENT CAP LOCATION AND CLEARANCES

ROOF PITCH	H (Min.) Ft.	H (Min.) M.
FLAT TO 6/12	1.0*	0.30
OVER 6/12 TO 7/12	1.25*	0.38
OVER 7/12 TO 8/12	1.5*	0.46
OVER 8/12 TO 9/12	2.0*	0.61
OVER 9/12 TO 10/12	2.5*	0.76
OVER 10/12 TO 11/12	3.25*	0.99
OVER 11/12 TO 12/12	4.0	1.22
OVER 12/12 TO 14/12	5.0	1.52
OVER 14/12 TO 16/12	6.0	1.83
OVER 16/12 TO 18/12	7.0	2.13
OVER 18/12 TO 20/12	7.5	2.27
OVER 20/12 TO 21/12	8.0	2.44

* = 3 foot minimum in snowy regions

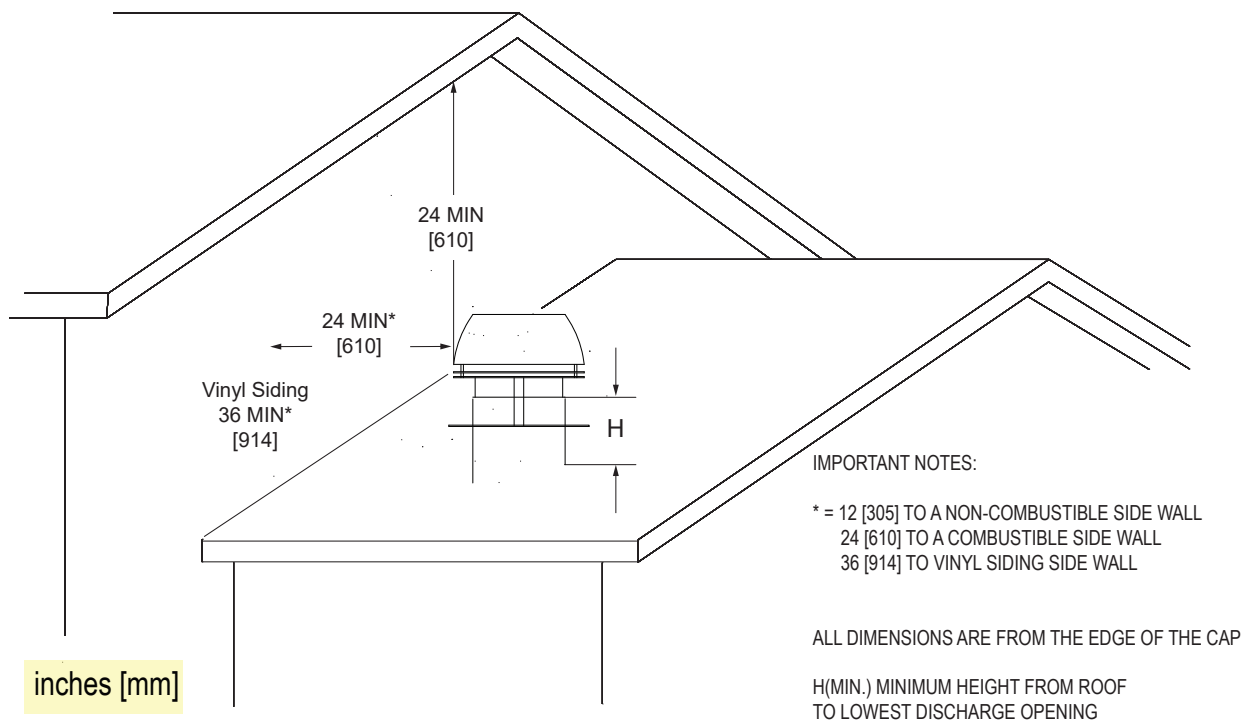


Figure 90

9 - VENTING

P. ROOF TERMINATION CAP INSTALLATION - WITH AND WITHOUT DAMPER

Roof Termination Without Optional Mechanical Damper

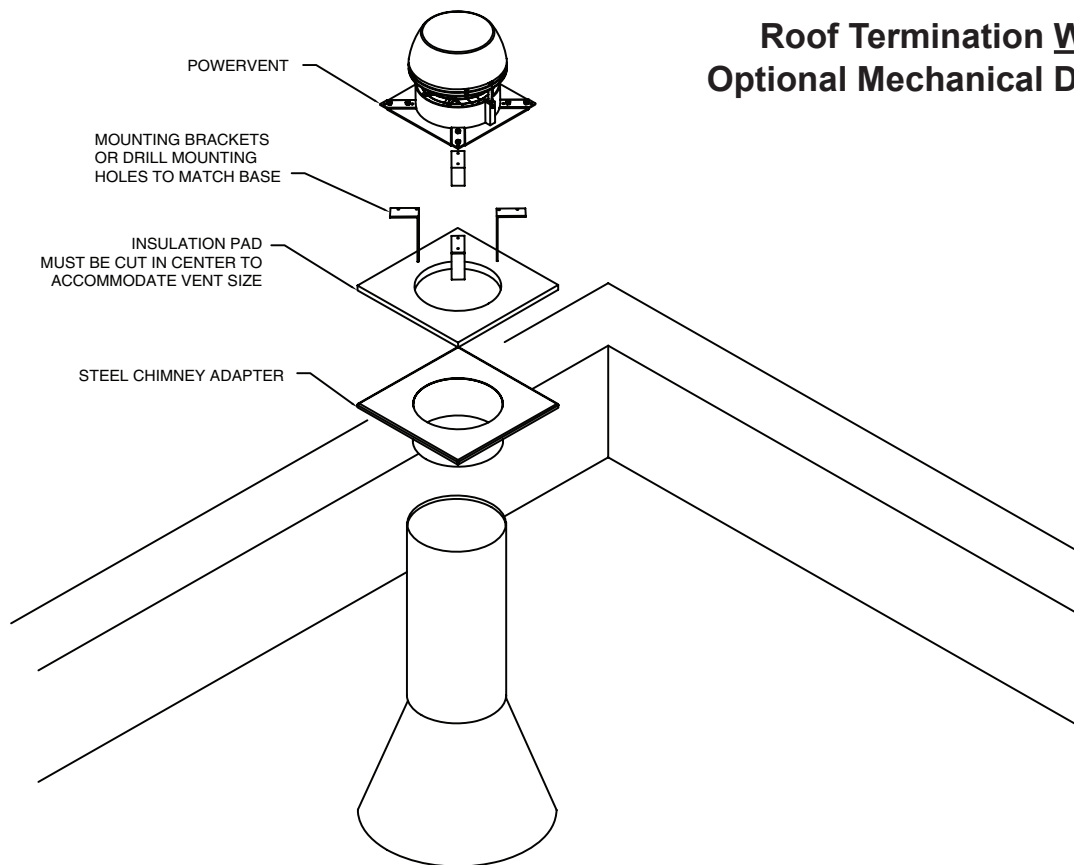


Figure 9P.1

Roof Termination With Optional Mechanical Damper

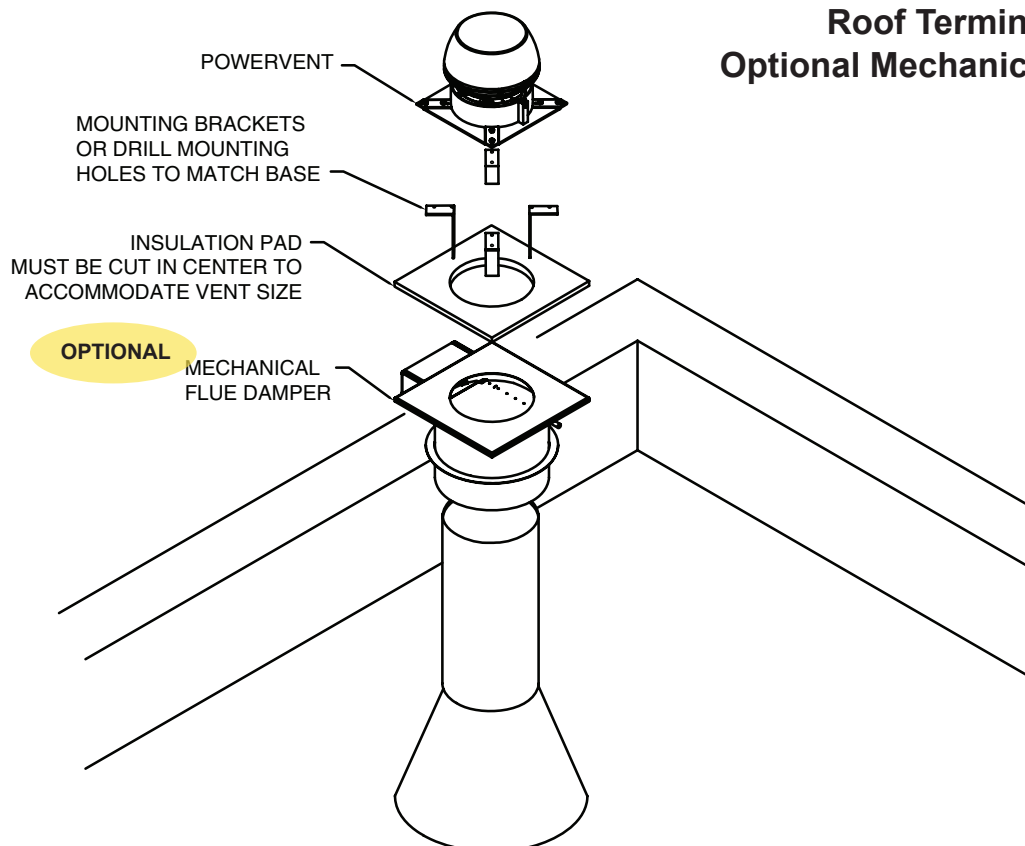


Figure 9P.2

9 - VENTING

Q. WALL TERMINATION - WITH AND WITHOUT DAMPER

Wall Termination Without Optional Mechanical Damper

FRAMING:

8" = 11-3/4" W X 11-3/4" H

10" = 13-1/4" W X 13-1/4" H

DRILL 1/4" HOLES
TO MATCH POWER VENT BASE

INSULATION PAD
MUST BE CUT IN CENTER TO
ACCOMMODATE VENT SIZE

USE APPROPRIATE HEAVY DUTY FASTENERS
TO SECURE POWER VENT

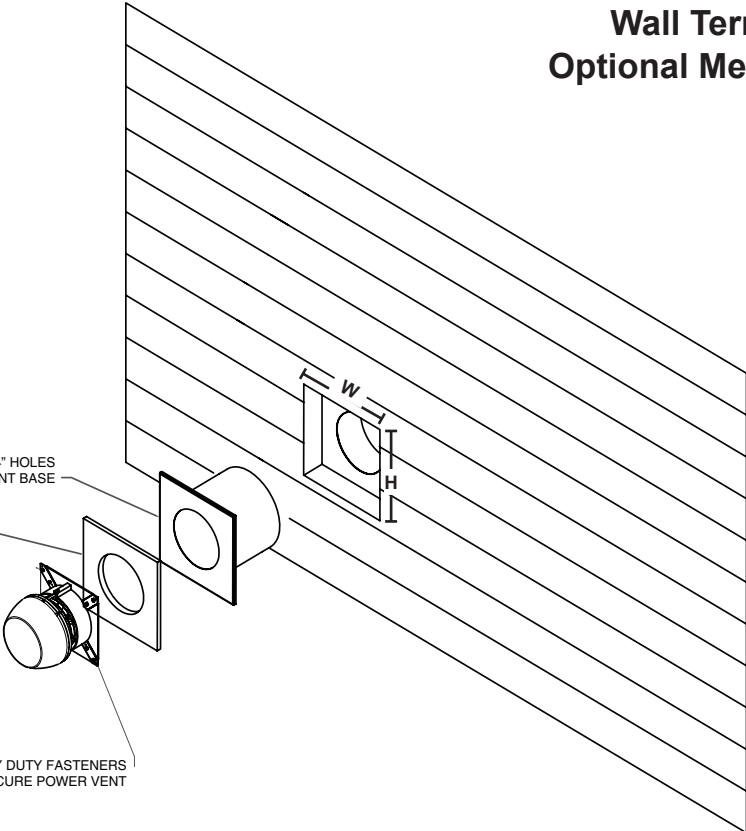
A technical diagram showing the installation of a power vent through a wall. The wall is represented by a series of parallel lines. A square opening is cut into the wall, with dimensions 'W' and 'H' indicated. A power vent assembly is shown being inserted into the opening. The assembly consists of a circular vent base, a square insulation pad, and a square mounting plate. The mounting plate is secured to the wall with four heavy-duty fasteners. The vent base is attached to the mounting plate. The insulation pad is placed between the vent base and the mounting plate. The diagram is labeled with 'Figure 9Q.1'.

Figure 9Q.1

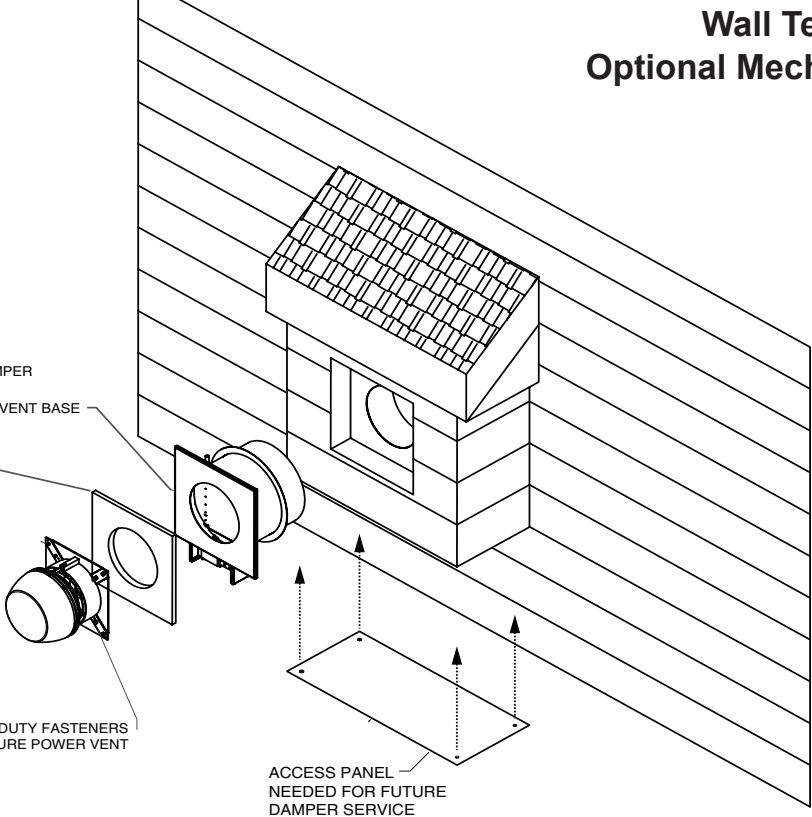
Wall Termination With Optional Mechanical Damper

OPTIONAL

MECHANICAL FLUE DAMPER
DRILL 1/4" HOLES
TO MATCH POWER VENT BASE

INSULATION PAD
MUST BE CUT IN CENTER TO
ACCOMMODATE VENT SIZE

USE APPROPRIATE HEAVY DUTY FASTENERS
TO SECURE POWER VENT

A technical diagram showing the installation of a power vent through a wall with an optional mechanical damper. The wall is represented by a series of parallel lines. A square opening is cut into the wall, with dimensions 'W' and 'H' indicated. A power vent assembly is shown being inserted into the opening. The assembly consists of a circular vent base, a square insulation pad, a square mounting plate, and a mechanical flue damper. The mounting plate is secured to the wall with four heavy-duty fasteners. The vent base is attached to the mounting plate. The insulation pad is placed between the vent base and the mounting plate. The mechanical flue damper is attached to the mounting plate. The diagram is labeled with 'Figure 9Q.2'.

ACCESS PANEL
NEEDED FOR FUTURE
DAMPER SERVICE

Figure 9Q.2

9 - VENTING

R. OUTDOOR AIR INTAKE

This fireplace has an air intake at the bottom of the fireplace.

The collar is not shipped in place. See assembly instructions below.

This fireplace is approved for use with 10 inch rigid metal pipe or UL approved 10 inch Class 0 or Class 1 flex for intake air.

Use Table 9R.1 for venting requirements if using UL approved 10 inch flex for intake air.

Vent runs utilizing 10 inch rigid metal pipe may be 110 feet with 11 elbows. We recommend insulating the intake air duct or using UL approved Class 1 insulated flex in hot, humid or cold climates.

The intake pipe must maintain 1.5X the square inches of the flue pipe in free area. Intake screen/vent must be sized appropriately.

Failure to do so will result in higher operating temperatures.

The fireplace may also take room air for combustion. Intake screen/vent must be sized appropriately. You must plan for the replacement air that is consumed from the room by the fireplace. Do not draw intake air from a crawl space or an attic (ventilated or not ventilated). If room air is used for combustion, the product does not meet the definition of a DIRECT VENT APPLIANCE. Consult local codes for the impact on the installation in this case.

WARNING! Risk of Fire! DO NOT draw intake air from an attic or crawl space. Appliance could overheat.

Use Table 9R.2 for reference on CFM replacement air if drawing intake air from inside the house and open air requirements for intake screen/vent or consult Hearth & Home Technologies for more information.

Recommended to prop the fireplace up off the floor at least 2.5".

You have to make sure there is 78 sq. inch of area in a pathway, intake grill, toe-kick breather, etc. to get under the fireplace.

Figure 9R.1

UL Approved Class 1, 10 Inch Insulated Flex Intake Air Venting Requirements						
		Number of Offsets FEET [METERS]				
Fireplace Size	Length Of Run Feet	0-3	4	5	6	7
3'		45 [13.7]	35 [10.7]	25 [7.6]	15 [4.6]	5 [1.5]

Figure 9R.2

CFM Replacement Air		
Fireplace Size	Required CFM	Open Air Requirement
3'	800 CFM	78 Sq. Inches



NOTE: GLASS TEMPERATURES

Stellar fireplaces use large amount of outside air for combustion and to cool the viewing glass.

When operating the fireplace in the summer, the incoming air will be warmer therefore the glass will be warmer.

When operating the fireplace in the winter, the glass will be cooler. This is not a safety concern, but something to note.



POWERVERT AND AIR-INTAKE CAP PLACEMENT CLEARANCES

For horizontal installation clearances refer to *Section 8 - Venting (K, L & M)*.

For vertical installation clearances refer to *Section 8 - Venting (J, N, O & P)*.

9 - VENTING

S. OUTDOOR AIR INTAKE COLLAR ASSEMBLY

Carefully tip the base over and attach the collar to the bottom of the fireplace.

Use two people to lift the base up and into place.

Do not sit base down on the collar.

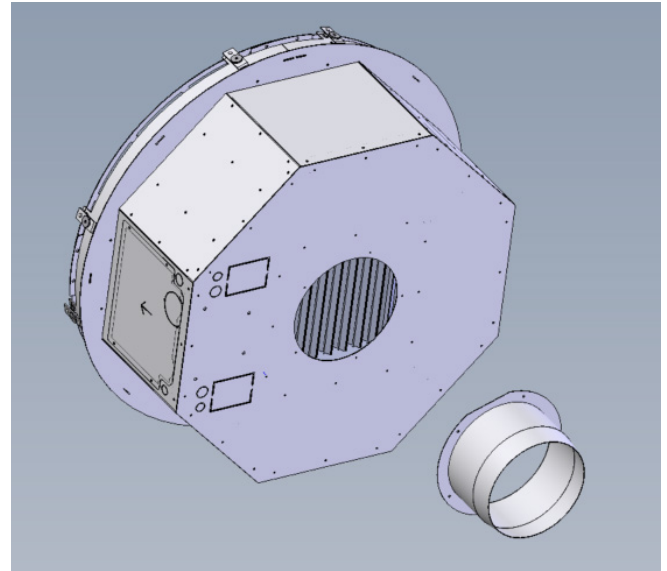


Figure 9S

T. OPTIONAL UNIVERSAL EXHAUST IN AIR-INTAKE LOUVER

MODEL	UNITS	USE
LOUVER-10		Exhaust and Air-Intake

This kit is an optional method of terminating the fresh air and/or exhaust for the appliance.

Exhaust terminations must be installed with an in-line powervent.



Figure 9T.1

**FOLLOW COMPLETE
INSTALLATION INSTRUCTIONS
PROVIDED WITH THE LOUVER KIT**

LOUVER-10

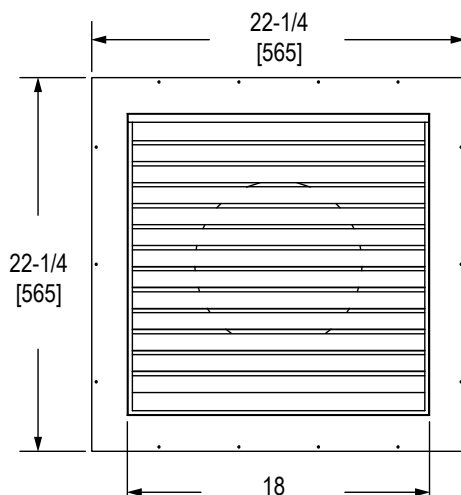


Figure 9T.2

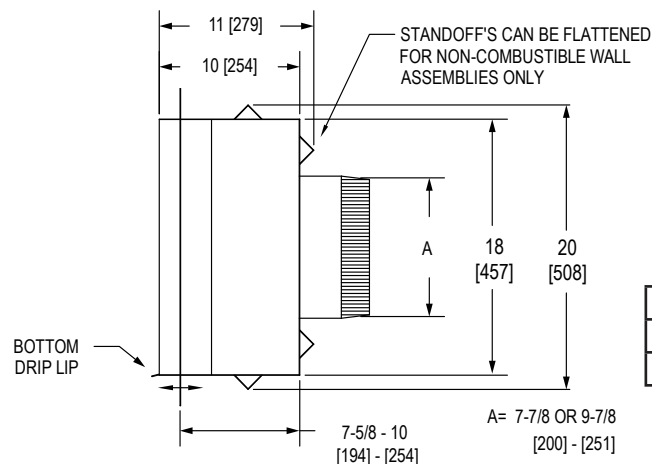


Figure 9T.3

	A
LOUVER-8	7-7/8 IN.
LOUVER-10	9-7/8 IN.

10 - ELECTRIC

A. PDS-1 INSTALLATION - MUST BE INSTALLED



NOTE: The four sided fireplace utilizes an external draft switch (PDS-1). This needs to be installed at the time the venting is installed. The installation instructions are included in the box with the PDS-1 kit. Please read fully prior to installation. Additional wiring information can be found on Page 38-39.

PDS-1 Proven Draft Switch

Complete Installation Instructions Provided In The PDS-1 Box

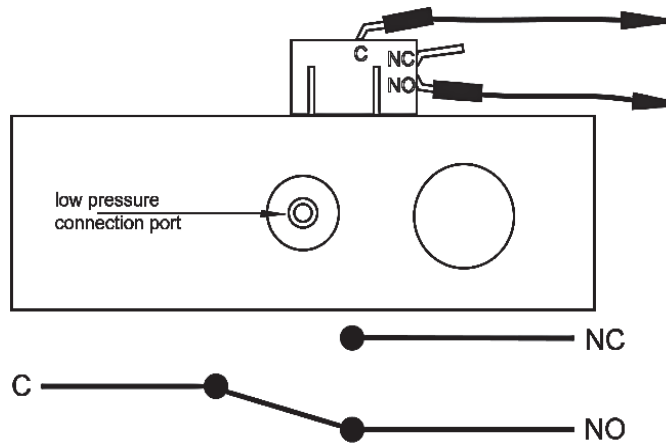
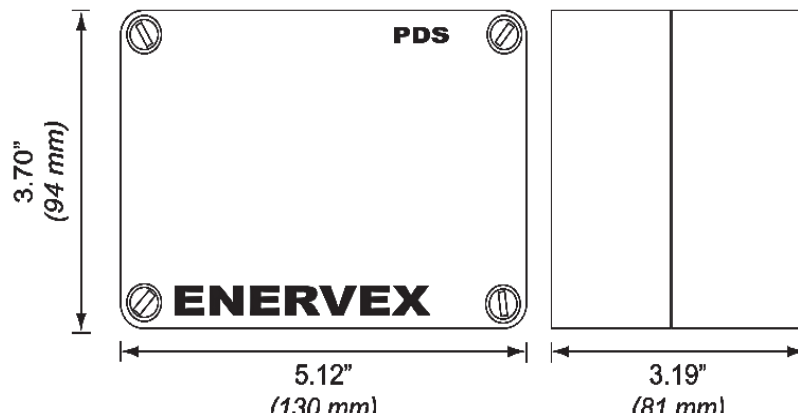


Figure 10A

10 - ELECTRIC

GENERAL

The PDS 1 is for indoor installation only. The PDS 1 must be installed in a vertical position with the pressure connection pointing down. Secure the switch by using the mounting holes as shown on the figure. After installation connect the tubing from the probe onto the port marked accessible through the small of the plastic enclosure. Connect tubing to the NEGATIVE (-) port on the PDS.

Factory wiring comes with three wires that are already crimped onto the PDS. The purpose of these wires is to provide a point in which you can extend the length of the wire by using wire nuts and additional wire (not provided).

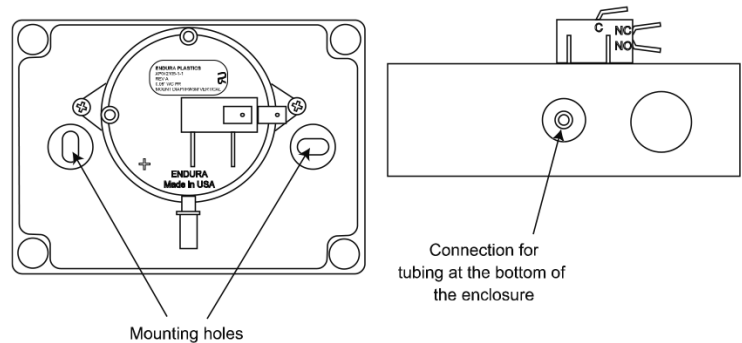


Figure 10A.2

INSTALLATION OF STACK PROBE FOR PDS 1

A stack probe is used with ENERVEX Proven Draft Switches (PDS). The PDS 1 monitors the pressure inside the stack and signals the control to shut down the appliance if insufficient draft exists inside the stack. The probe must be installed between the appliance and the exhaust fan.

If a flue damper is used, the probe must be between the appliance and the flue damper.

For all installations, the stack must be placed so the flow through the stack is perpendicular to the tip of the probe. Locate the probe at least the distance "A" away from any elbows or tees in the stack. The distance "A" is defined as at least three (3) vent diameters; $A \geq 3 \times V$ (see figure below). To prevent condensation from entering the probe or PDS when installed on a horizontal stack, the probe must be installed above the center line of the stack. For fireplace installations, the stack probe should be installed as close to the exhaust fan as possible.

For the PDS to function properly, the probe must be placed in a location that can produce at least 0.05 in WC in the stack. In order to produce an accurate pressure reading, the tip of the probe must be mounted flush with the inside of the stack wall (it should never extend more than 1/16" beyond the wall). For a double walled stack, the tip should be flush with the inner most wall.

To mount the probe, drill a 1/4" clearance hole through the stack wall(s). Insert the probe and attach the bracket to the stack using (2) custom provided self-tapping machine screws. Tighten the end cap to compress the ferrule and permanently install the stack probe. Attach the supplied silicon tubing at the other end of the probe.

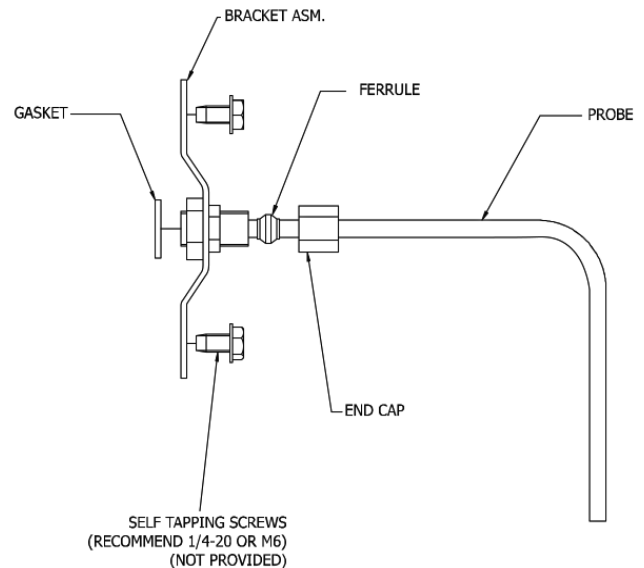


Figure 10A.3

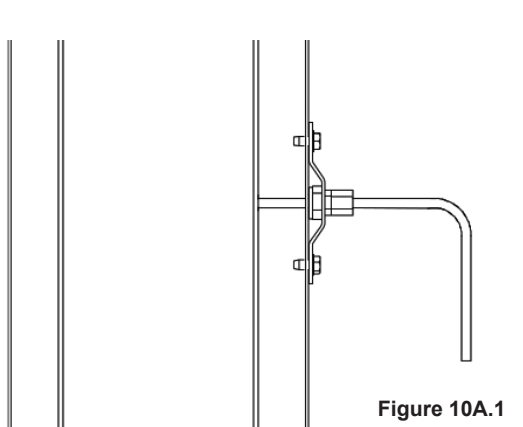


Figure 10A.1

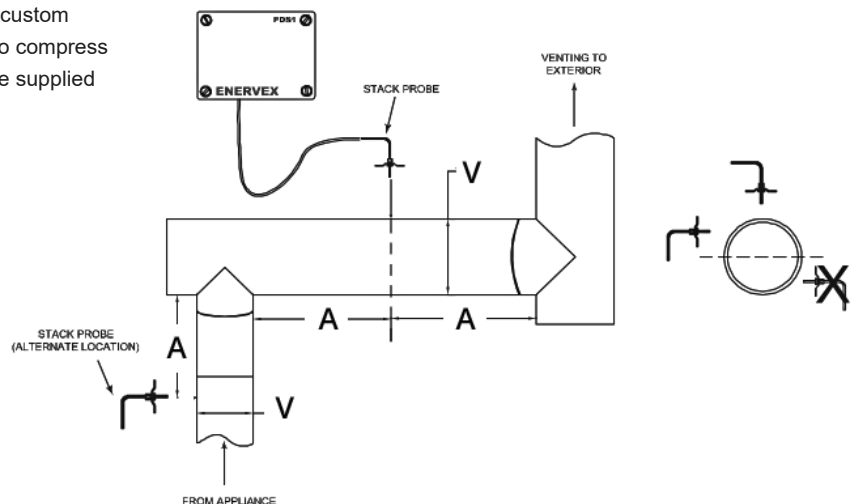


Figure 10A.4

10 - ELECTRIC

B.1 TETHERED CONTROL PANEL INSTALLATION OVERVIEW

WIRE THE FIREPLACE TO A 15 AMP MIN DEDICATED CIRCUIT. SEE TERMINALS #5 & #6.

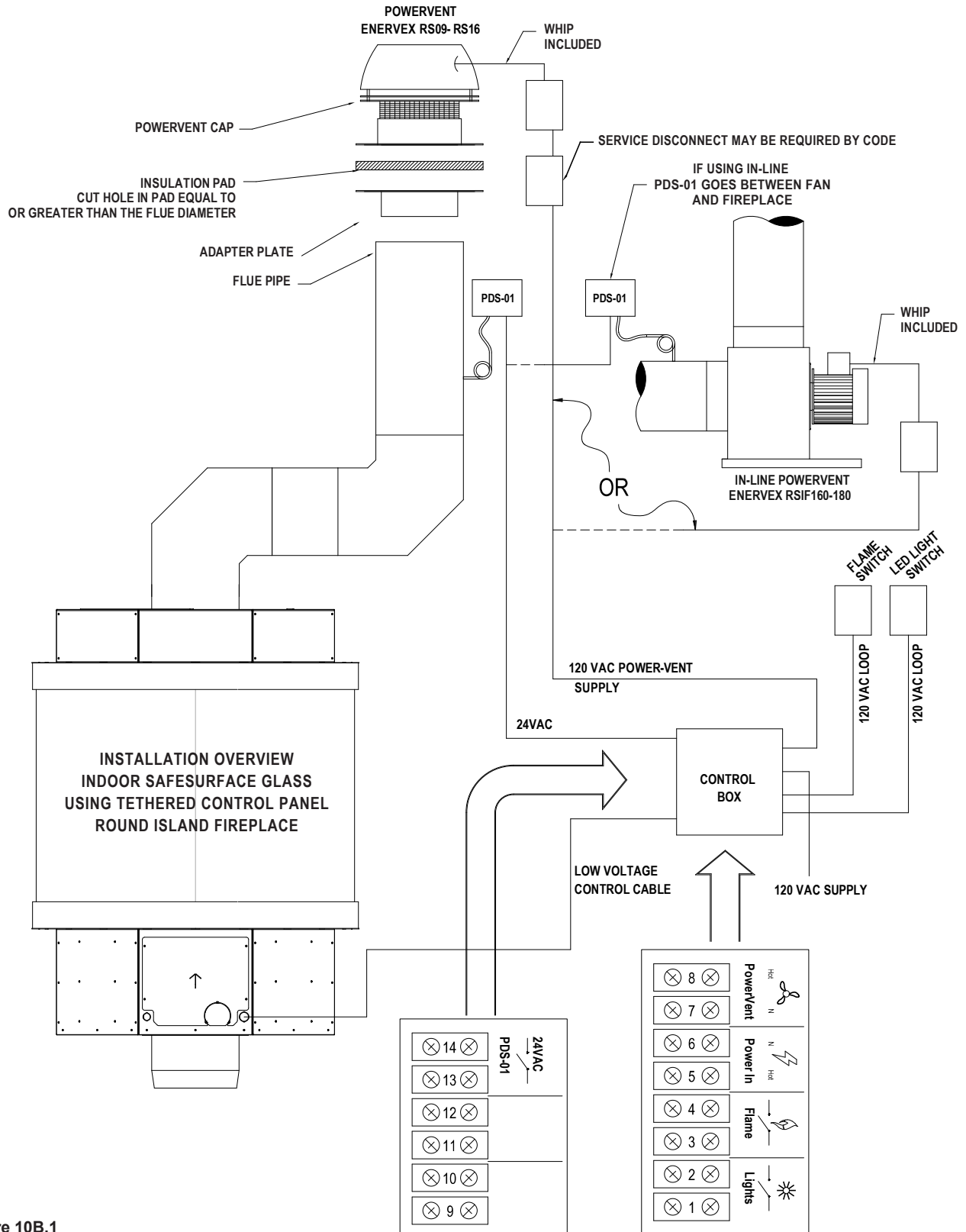


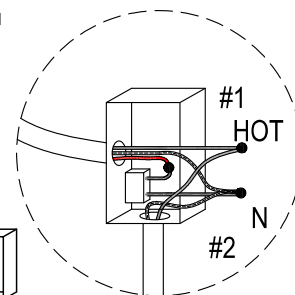
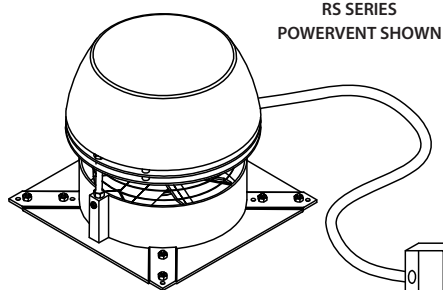
Figure 10B.1

B.2 ELECTRICAL WIRING SCHEMATIC - AT INSTALL

SYSTEM G - LIGHTS

Powervent Voltage Chart

CAP	VAC	AMP	HP
RS012	120	1.2	1/9
RS014	120	1.4	1/7
RS016	120	3.9	1/3
RSIF160	120	2.9	1/4
RSIF180	120	5.3	1/2

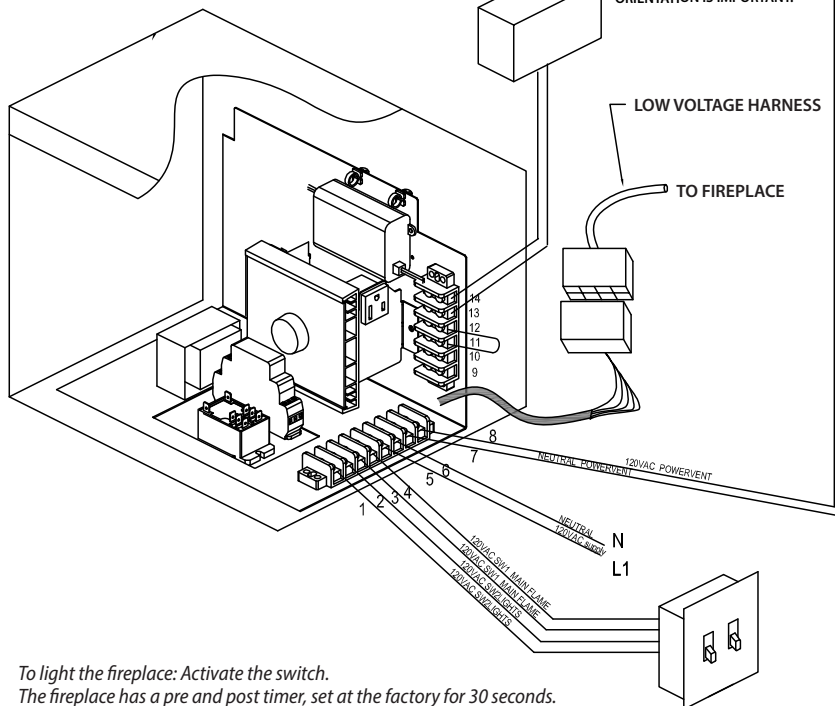


- DO NOT DISCARD THE JUNCTION BOX
MUST USE THE
CAPACITOR INSIDE

**FLUE PRESSURE SWITCH
MUST BE MOUNTED IN
A SERVICABLE LOCATION.
FOLLOW INSTRUCTIONS
INCLUDED WITH THE PDS KIT.
ORIENTATION IS IMPORTANT.**

– LOW VOLTAGE HARNESS

TO FIREPLACE



*To light the fireplace: Activate the switch.
The fireplace has a pre and post timer, set at the factory for 30 seconds.
The powervent will start after the switch is activated.
The flame will not turn on for 30-60 seconds after switch is activated
and the powervent will run for 30 seconds after it has been shut off.*

Supply Voltage Chart (N/L1)

CAP	VAC	AMR
RS012	120	3.2
RS014	120	3.4
RS016	120	5.9
RSIF160	120	4.9
RSIF180	120	7.3

INS 16400-7807 RD REV D | 3' ROUND

10 - ELECTRICAL

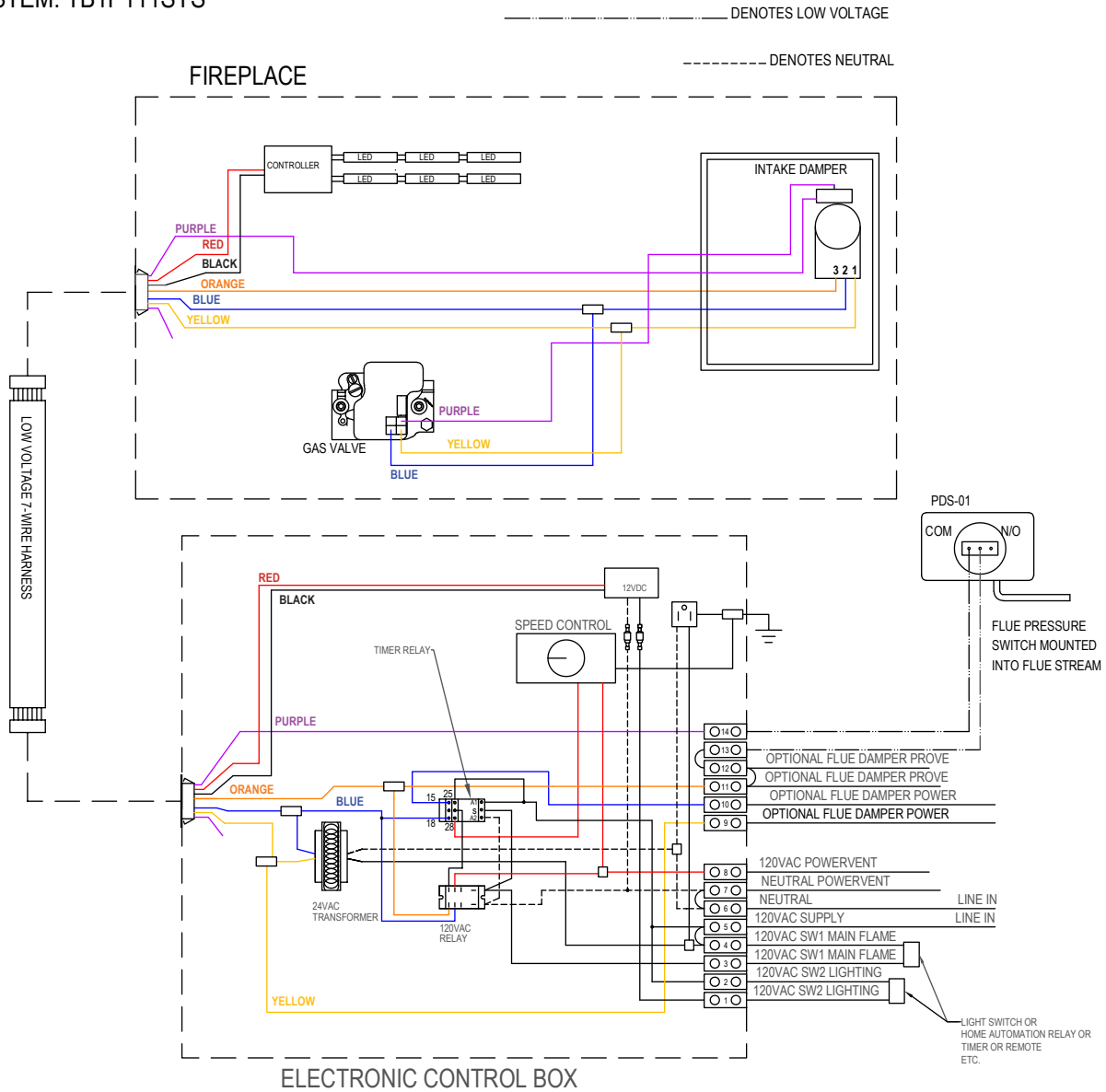
B.3 ELECTRICAL WIRING SCHEMATIC- FOR SERVICE AND TROUBLESHOOTING



NOTE: The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*, or the *Canadian Electrical Code, Part 1, CSA C22.1*.

SYSTEM: TB1P111SYS

Figure 10B.3



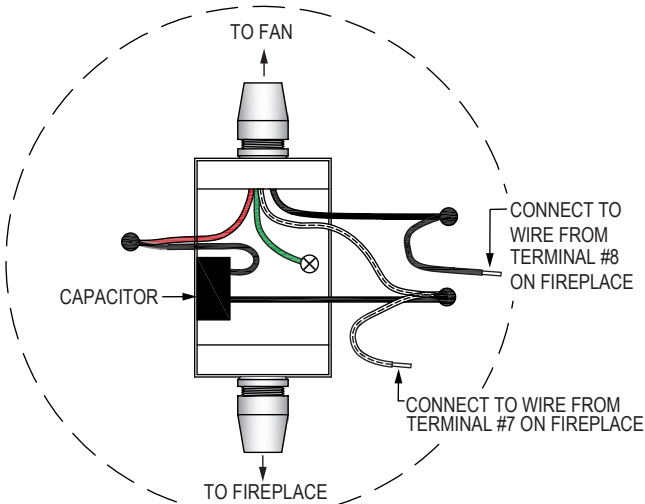
#	FUNCTION	NOTES
1	SW2 LIGHTS (IF EQUIPPED) 120VAC LOOP	120 VOLT LOOP
2	SW2 LIGHTS (IF EQUIPPED) 120VAC LOOP	120 VOLT LOOP
3	SW1 MAIN FLAME- 120VAC LOOP	120 VOLT LOOP
4	SW1 MAIN FLAME- 120VAC LOOP	120 VOLT LOOP
5	120VAC SUPPLY	120vac 15amp MIN DEDICATED CIRCUIT
6	NEUTRAL	120vac 15amp MIN DEDICATED CIRCUIT
7	NEUTRAL TO POWERVENT	
8	120VAC TO POWERVENT	
9	24VAC FLUE DAMPER NEUTRAL (IF EQUIPPED)	BLACK WIRE IN PAIR
10	24VAC FLUE DAMPER POWER (IF EQUIPPED)	RED WIRE IN PAIR
11	SW3 FLUE DAMPER PROVE (ONLY IF DAMPER IS USED)	USE PURPLE AND WHITE, NOT RED
12	SW3 FLUE DAMPER PROVE (ONLY IF DAMPER IS USED)	USE PURPLE AND WHITE, NOT RED
13	FLUE PRESSURE SWITCH	FACTORY
14	FLUE PRESSURE SWITCH	FACTORY

10 - ELECTRIC

B.4 JUNCTION BOX & CAPACITOR

**DO NOT DISCARD
JUNCTION BOX - CAPACITOR INSIDE**

**JUNCTION BOX
PRE-WIRED FROM STELLAR**



**JUNCTION BOX
WIRING FROM ENERVEX**

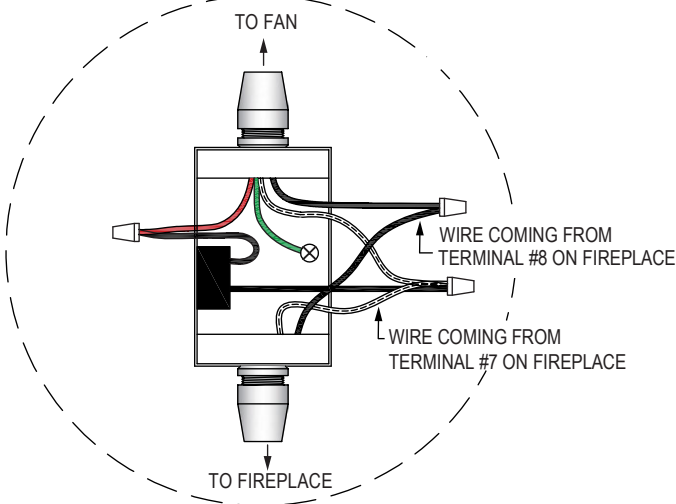


Figure 10B.4

C.1 TERMINALS 1 & 2 - LED LIGHTING

TERMINAL 1 & 2: LED LIGHTING

TERMINAL #2	HAS 120VAC POWER TO SUPPLY A SWITCH, RELAY, TIMER, REMOTE, ETC.
TERMINAL #1	RETURNS 120VAC POWER TO ACTIVATE THE LED DRIVER.

LIGHT SWITCH OR HOME AUTOMATION
RELAY OR TIMER OR REMOTE ETC.

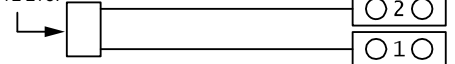


Figure 10C.1

**NOTE FOR THE ELECTRICIAN:
FIELD WIRING SHOULD BE LABELED
FOR EASY IDENTIFICATION.**

10 - ELECTRIC

C.2 TERMINALS 3 & 4 - MAIN FLAME

TERMINAL 3 & 4 : MAIN FLAME

TERMINAL #4	HAS 120VAC POWER TO SUPPLY A SWITCH, RELAY, TIMER, REMOTE, ETC.
TERMINAL #3	RETURNS 120VAC POWER TO ACTIVATE TO MAIN FLAMES.

IF USING STANDARD ROMEX, CONNECT BLACK TO TERMINAL #4 AND WHITE TO TERMINAL #3.
SINCE 120 VOLTS WILL TRAVEL ON WHITE, MARK THE WHITE WIRE ACCORDING TO CODE.

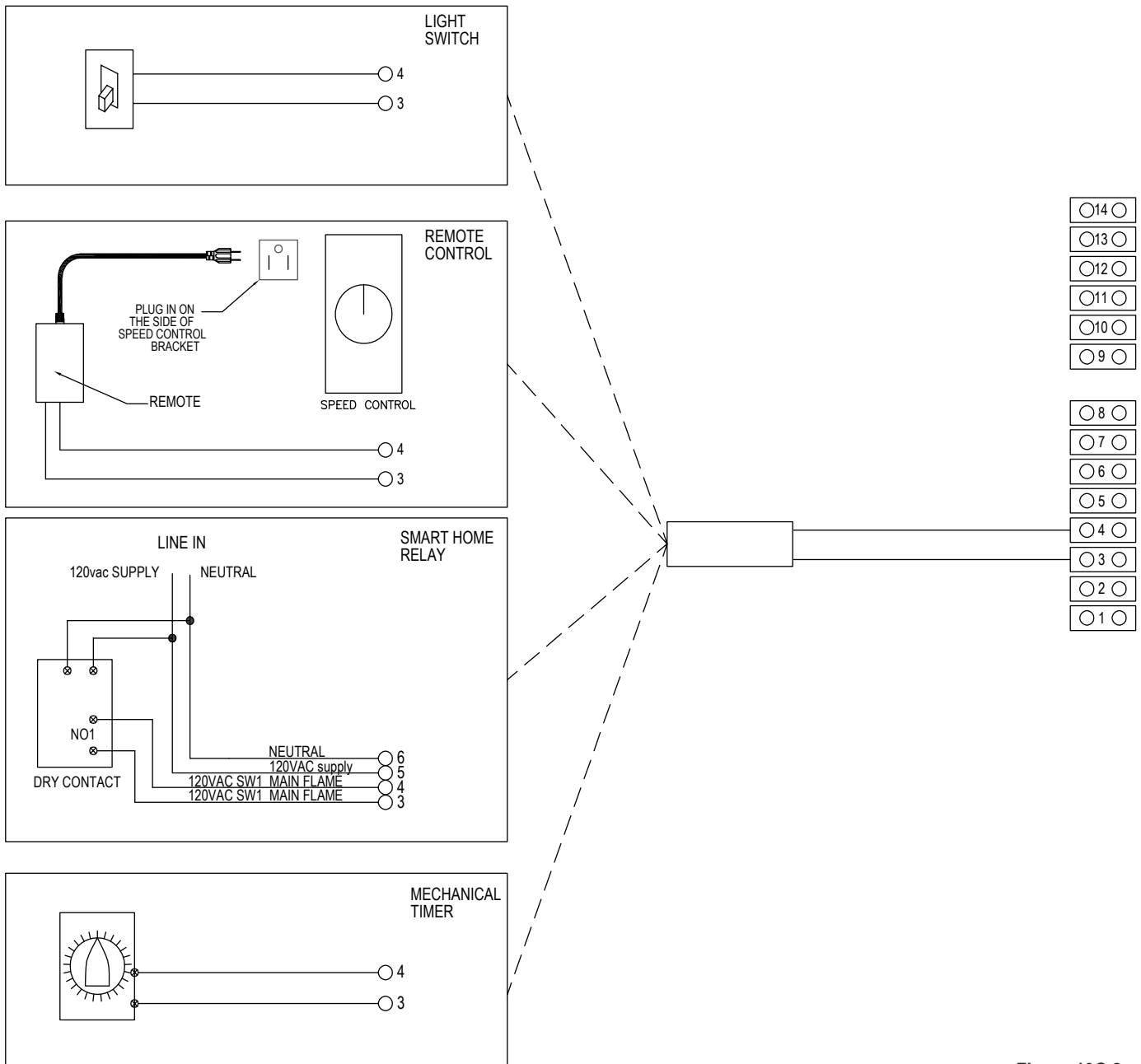


Figure 10C.2

SMART HOME RELAY NOTE: Generic diagram, follow specific relay manufactures instructions.

10 - ELECTRIC

C.3 - TERMINALS 5 & 6 FIREPLACE POWER

TERMINAL 5 & 6: FIREPLACE POWER

GROUND - LOCATE THE GREEN WIRE CLUSTER
CONNECT THE GREEN WIRE TAIL TO BUILDING GROUND

TERMINAL #5	IS THE 120VAC POWER SUPPLY FOR THE FIREPLACE. THIS IS A CONSTANT POWER SUPPLY AND SHOULD NOT BE SWITCHED. A SERVICE DISCONNECT MAY BE DESIRED.
TERMINAL #6	IS THE NEUTRAL CONNECTION

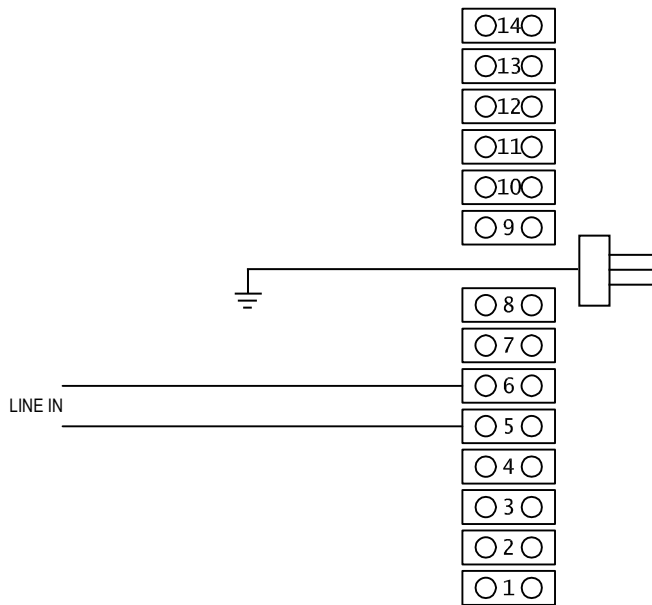


Figure 10C.3

**WIRE THE FIREPLACE TO A 15 AMP MIN
DEDICATED CIRCUIT.**

C.4 - TERMINALS 7 & 8 POWERVERT MOTOR

TERMINAL 7 & 8: POWERVERT CONNECTION

POWERVERT POWER MUST COME FROM THE TERMINAL BLOCK AND
NOT ANY OTHER POWER SOURCE.

TERMINAL #8	IS THE HOT CONNECTION FOR THE POWERVERT MOTOR FROM THE SPEED CONTROL.
TERMINAL #7	IS THE NEUTRAL CONNECTION FOR THE POWERVERT MOTOR.

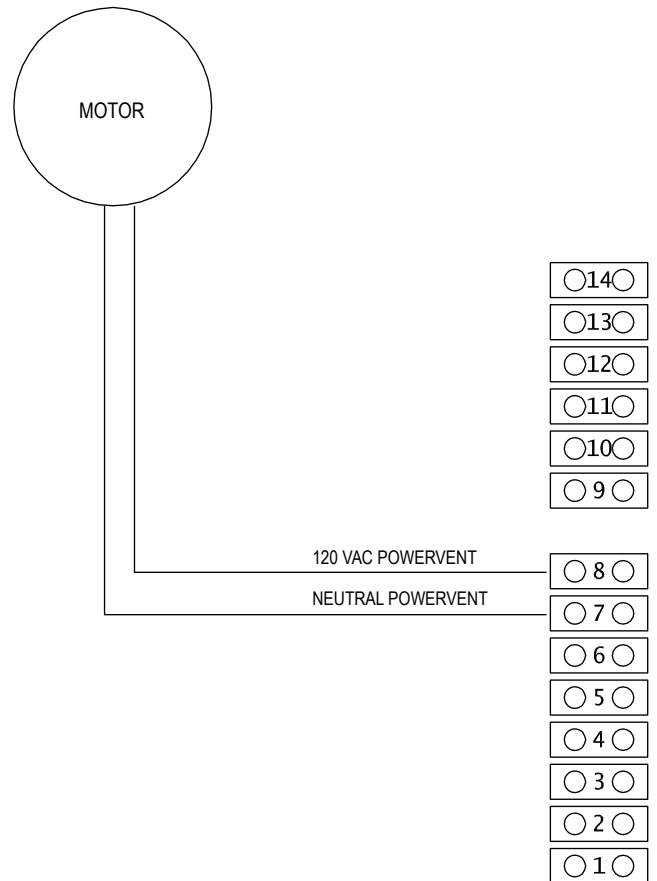


Figure 10C.4

10 - ELECTRIC

C.5 - TERMINALS 9 & 10 FLUE DAMPER CONNECTION

TERMINALS 9 & 10: FLUE DAMPER CONNECTION

THIS IS LOW VOLTAGE AND EXTERNAL POWER MUST NOT BE APPLIED

TERMINAL #9	IS THE NEUTRAL CONNECTION FOR THE DAMPER MOTOR. BLACK WIRE.
TERMINAL #10	IS THE HOT CONNECTION FOR THE DAMPER MOTOR. RED WIRE.

NOTE: THIS IS OPTIONAL.
IF A DAMPER IS NOT USED DO NOT CONNECT ANYTHING TO TERMINALS 9 & 10.

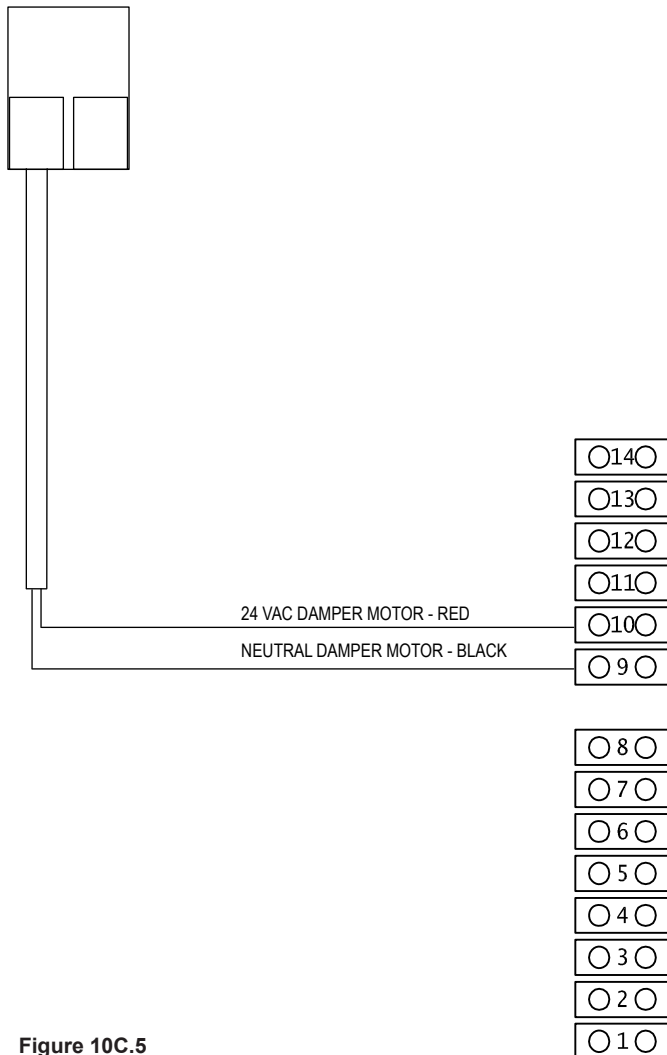


Figure 10C.5

C.6 - TERMINALS 11 & 12 FLUE DAMPER PROVE

TERMINALS 11 & 12: FLUE DAMPER PROVE

THIS IS LOW VOLTAGE AND EXTERNAL POWER MUST NOT BE APPLIED

TERMINAL #11	CONNECTS TO THE WHITE WIRE FROM THE TRIPLE WIRE LEAD ON THE DAMPER MOTOR.
TERMINAL #12	CONNECTS TO THE PURPLE WIRE FROM THE TRIPLE WIRE LEAD ON THE DAMPER MOTOR.

NOTE: THIS IS OPTIONAL.
IF A DAMPER IS NOT USED TERMINALS 11 & 12 HAVE A JUMPER ACROSS THEM

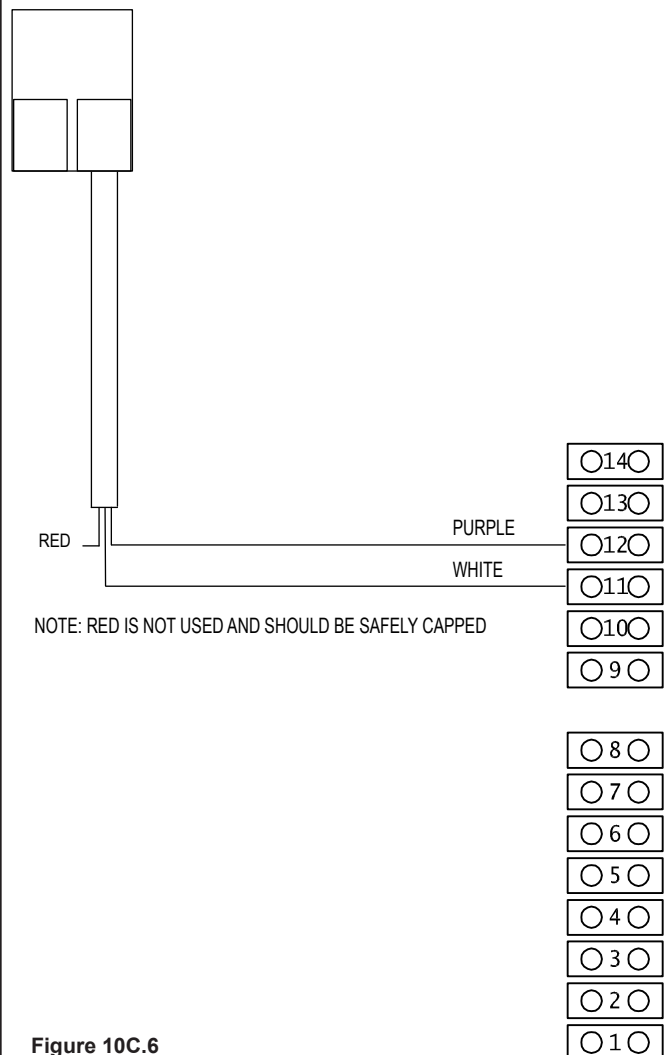


Figure 10C.6

Low Voltage Wire Gauge - Max Length

Feet [Meters]

Transformer Output	12 awg	14 awg	16 awg	18 awg
40VA(W)	453 [138]	285 [86.9]	179 [54.56]	113 [34.4]

Use a minimum of 18 awg wire

10 - ELECTRIC

C.7 - TERMINALS 13 & 14 FLUE PRESSURE SWITCH

**INSTALLATION INSTRUCTIONS OF
PDS-01 SWITCH CAN BE FOUND ON
PAGE 40 & 41**

TERMINALS 13 & 14: PRESSURE SWITCH

FOUR SIDED UNITS ONLY. FACTORY WIRED FOR ALL OTHERS.

TERMINAL #13	CONNECTS TO THE "COM" OR "NO" TERMINALS ON THE PDS-01 VACUUM SWITCH FOR FIREPLACE 1.
TERMINAL #14	CONNECTS THE "COM" OR "NO" TERMINALS IN THE PDS-01 VACUUM SWITCH FOR FIREPLACE 1.

NOTE: THIS IS REQUIRED

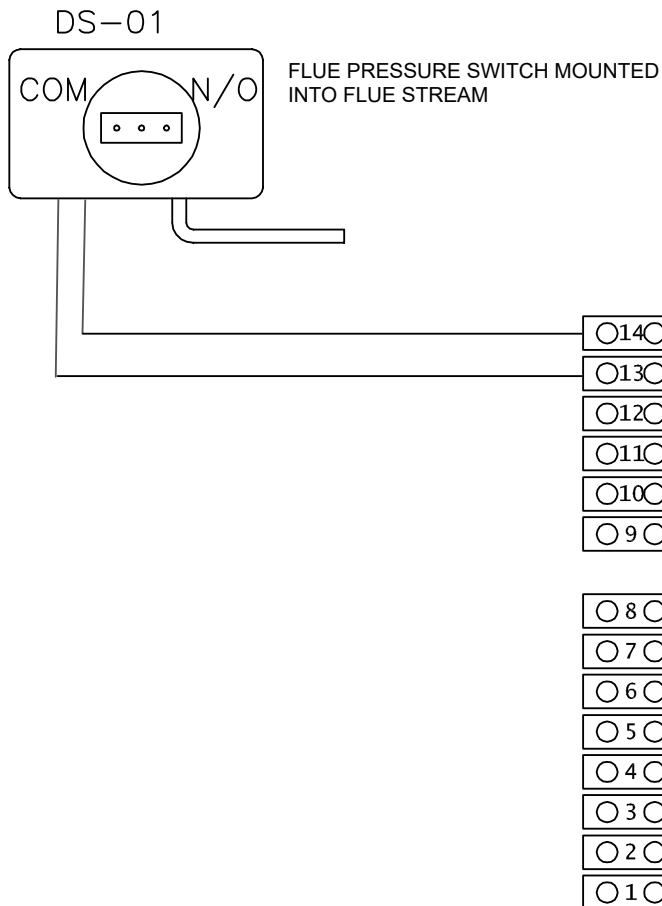


Figure 10C.7

11 - FINISHING

REFER TO SECTION 6 - MANTEL REQUIREMENTS

12 - LIGHTING & SHUTDOWN

FOR YOUR SAFETY - READ BEFORE LIGHTING



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

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. 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 wall switch. **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.

WHAT TO DO IF YOU SMELL GAS:

- Do not touch any electrical switches
- Do not try to light any appliance
- Do not use the phone in your building
- Immediately call your gas supplier from a neighbor's phone
- Follow the gas supplier's instructions
- If you cannot reach your gas supplier, call the fire department

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



NOTE: A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING.



NOTE: 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.

A. LIGHTING THE FIREPLACE - SEQUENCE OF EVENTS



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



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



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



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

12 - LIGHTING & SHUTDOWN

A. LIGHTING THE FIREPLACE - SEQUENCE OF EVENTS

To light the fireplace:

Activate the switch. The fireplace has a pre and post timer, set at the factory for 30 seconds. The power-vent and flame will not turn on for 30-60 seconds after the switch is activated and the power-vent will run for 30 seconds after the switch is shut off.

When the switch has been activated, the red light at the module will begin blinking.

At this time the mechanical intake damper will begin to slowly open and the powervent will turn on.

Once damper is completely open and the pitot tube has established there is a draft, the red light will turn solid and send voltage to the ignitor which will begin to glow and as the valve opens and gas flow



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



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

B. IF THE FIREPLACE DOES NOT LIGHT

1. Turn off the fireplace at switch.
2. Turn off all electrical power to fireplace.
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. Turn fireplace on at switch.

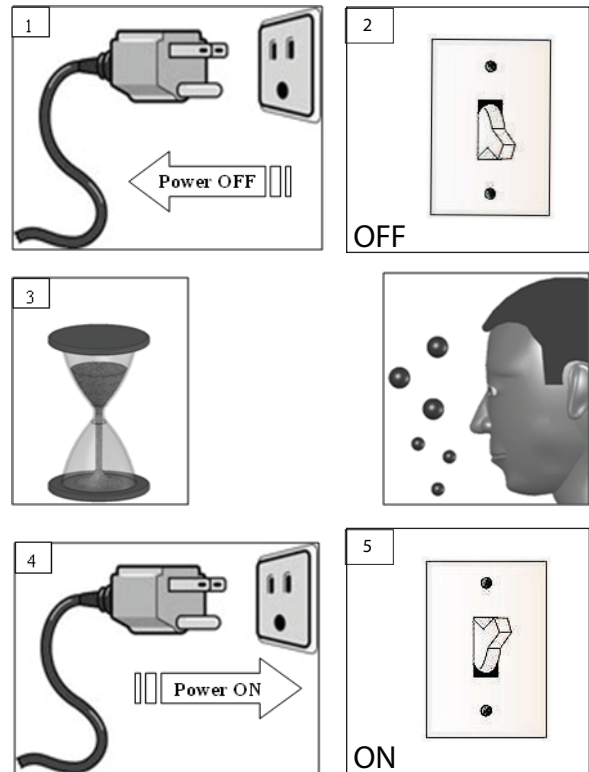


Figure 12B



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



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

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13 - PRESSURE TESTING



WARNING: Risk of Fire! Risk of Explosion!



Pressure exceeding 1/2 PSIG (14 in. w.c. / 3.5 kPa) will damage gas valve control.



- Disconnect appliance and its manual shutoff valve **BEFORE** line pressure testing.
- Cap outlet on piping system at appliance connection **BEFORE** line pressure testing.
- Connect appliance **AFTER** confirming piping system pressure is equal or less than 1/2 PSIG (14 in. w.c./ 3.5 kPa).



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 1/2 PSIG (14 in. w.c. / 3.5 kPa).



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 1/2 PSIG (14 in. w.c. / 3.5 kPa).

INLET PRESSURE TEST

1. The valve has an Allen plug on the inlet and outlet.
2. Install a barb fitting on the tap you want to measure.
3. Light the fireplace, check the pressure.
4. Turn off fireplace; reinstall plug.
5. Check for leaks.



CAUTION: A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION



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.

14 - FINALIZING THE INSTALLATION

A. INSTALLING THE MEDIA

Place the supplied glass media into the base tray.
Cover the base evenly. Do not use more than the supplied amount.

Do not get any glass media into the pilot area; a hazardous condition could result!

You should be able to see the burner slightly through the media. If you can't, push the media back from the burner. Smaller flames will result from too much media over the burner.

DO NOT COVER THE ROUND BURNERS; POOR FLAME APPEARANCE WILL RESULT.



Figure 14

NOTE: DO NOT SUBSTITUTE THE SUPPLIED MEDIA WITH ANY OTHER KIND OF MEDIA WITHOUT WRITTEN APPROVAL OF STELLAR HEARTH PRODUCTS.

B. 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. Contact Stellar Hearth.

15 - MAINTENANCE

A. VALVE AND ELECTRICAL ACCESS

The appliance is required to be inspected at least once a year by a professional service person. The compartment below firebox (behind lower access panel) 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.

There is an access panel under the floor of the firebox should more extensive service be needed. Remove the media on the screened section to the left (clockwise) of the pilot. Remove the screws and remove that section from the fireplace. Remove the three-sided wall that held the screen. Remove the rectangular panel below that to expose the valve.

Refer to Section 3 - Specifications for valve and electrical access schematic.



NOTE: INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIALS, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

B. 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 air must not be obstructed.

C. GLASS CLEANING & REPLACEMENT



WARNING! RISK OF INJURY! DO NOT remove glass until it is cooled to room temperature. Glass breakage could occur. See Section 6 for glass installation and removal instructions.

- 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 shall only be replaced as a complete unit.
- 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.

Refer to Section 7 - Glass Frame Assembly for more information.



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.

16 - REPLACEMENT PARTS

ROUND REPLACEMENT PARTS LIST

PART	PART NUMBER
Gas Valve	SV9501
Pilot	112-5000
Vacuum Switch	112-5003
Transformer, 24 VAC	112-5002
Orifice, NG #43	16400-2043
Orifice, Propane #55	16400-2055
Propane Conversion Kit	LPK-FDN
Timer Relay	112-5014
Solid State Relay	112-5009

PART	PART NUMBER
Energex External Chimney Fan	RS012
Replacement Capacitor - RS012	601.0400.0064
Energex In-line Chimney Fan	RSIF180
Replacement Capacitor - RSIF180	604.0800.0064

PART	PART NUMBER	QUANTITY
Crystal Rock, 5 lb. bag	2188-851	55 lbs
PART	PART NUMBER	
10 Inch Intake/Exhaust Collar	16400-1550	
LED Transformer	16400-1900	
LED Controller	16400-1901	
LED Remote Control	16400-1901R	
Switch, 15 Amp Toggle	16400-3013	
2-Gang Electrical Box	16400-3014	
White Nylon 2-Gang Plate	16400-3015	
Suction Cup	675-9605	

MODEL	Horizontal Trim Pieces Between Glass			
	Part #		Qty	
3-RD-24-G			SRV20032-1044	2
3-RD-36-G			SRV20032-1044	2

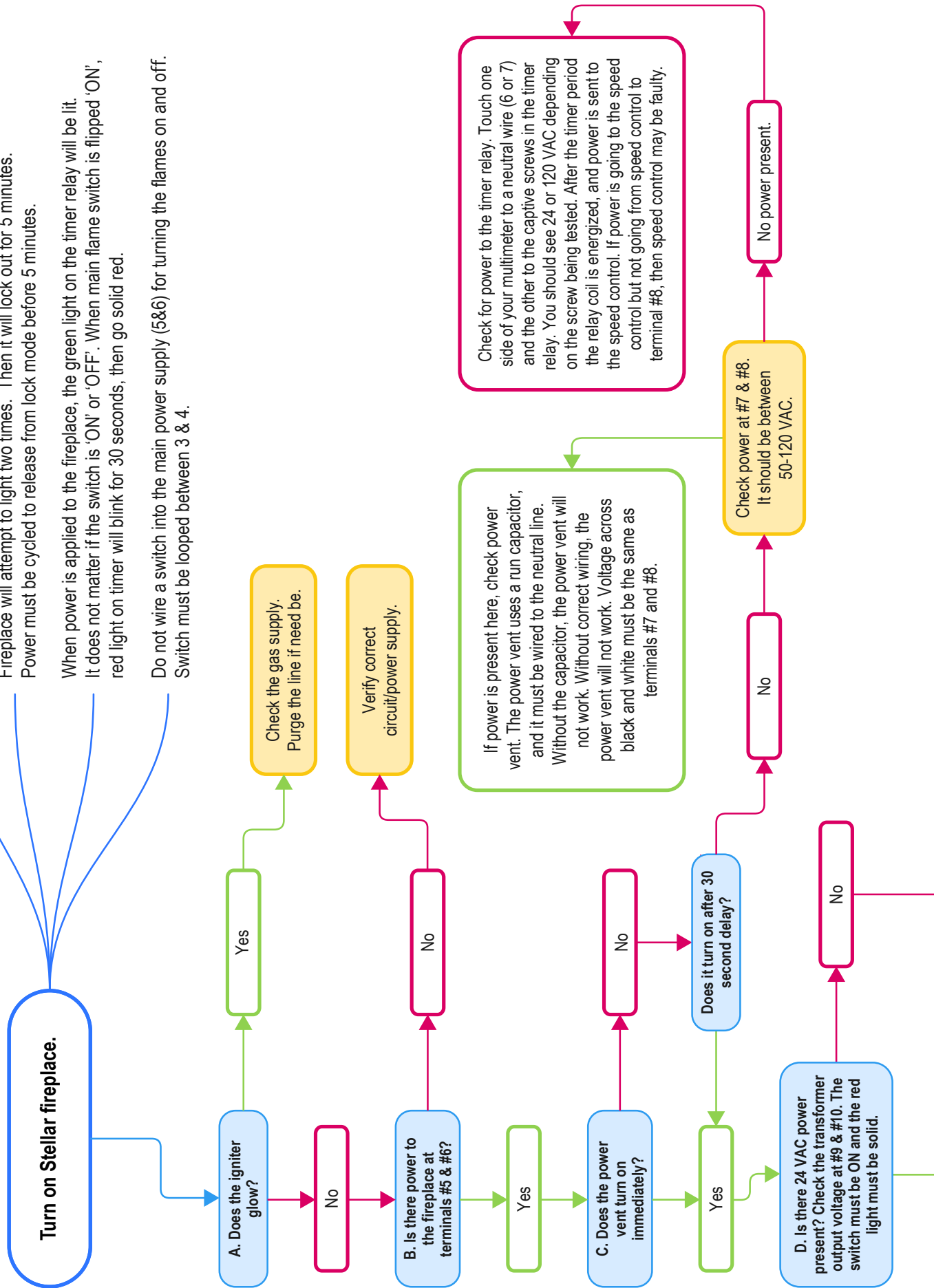
Troubleshooting Flowchart - Tethered

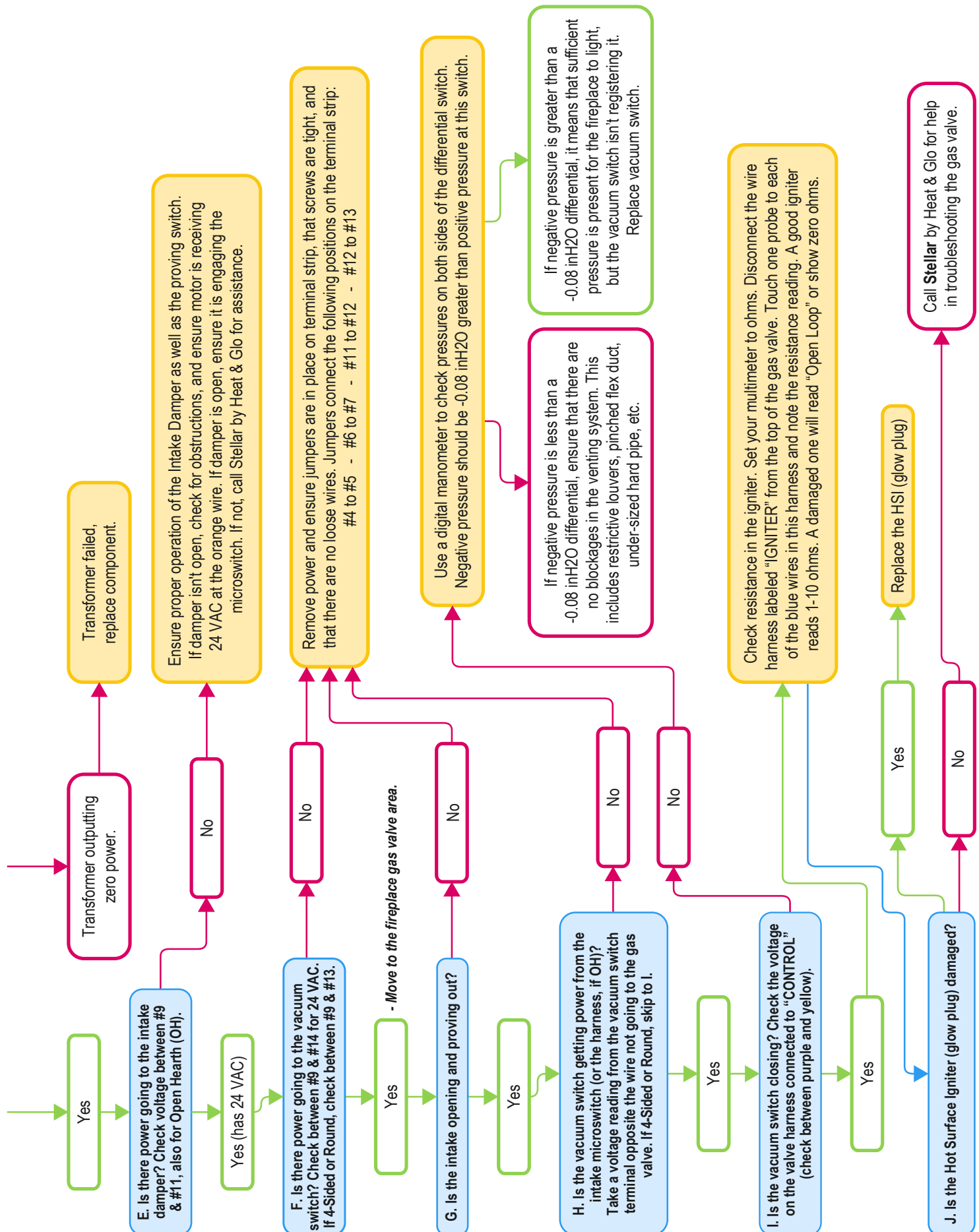
For new installations, double and triple check that the wiring is correct.
Fireplace must be wired exactly as noted in the manual.

Fireplace will attempt to light two times. Then it will lock out for 5 minutes.
Power must be cycled to release from lock mode before 5 minutes.

When power is applied to the fireplace, the green light on the timer relay will be lit.
It does not matter if the switch is 'ON' or 'OFF'. When main flame switch is flipped 'ON',
red light on timer will blink for 30 seconds, then go solid red.

Do not wire a switch into the main power supply (5&6) for turning the flames on and off.
Switch must be looped between 3 & 4.





Hearth & Home Technologies LLC

LIMITED WARRANTY

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

WARRANTY COVERAGE:

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

WARRANTY PERIOD:

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

Warranty Period		HHT Manufactured Appliances and Venting				
Component Parts	Labor	Gas	Pellet	Wood	Electric	Component Parts Covered by this Warranty
1 Year		X	X	X		All parts including handles, external enameled components and other material except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed
2 Years					X	All parts except as covered by Warranty Conditions, Warranty Exclusions, and Warranty Limitations listed
			X	X		Glass, Electrical components limited to heating element/igniters, Top feed auger assembly, Blowers, Junction Box, Remotes/Wall switches, linear actuator, power cord, vacuum switch, snap disc, wire harnesses and thermocouple
		X				Electrical components limited to modules, remotes/wall switches, valves, pilots, blowers, junction boxes, wire harnesses, transformers and lights (excluding light bulbs)
		X		X		Cement Refractory Panels, Glass Liner Panels
3 years			X			Firepots, burnpots, Harman mechanical feeders
5 years		X		X		Catalysts, Vented and Vent Free burners and logs
10 years	1 year	X				Burners, logs and metal/fiber refractory components of HHT manufactured fireplaces or stoves, venting due to poor workmanship
10 years	3 years		X	X		Castings, Medallions & Baffles, FlexBurn® System (engine, inner cover, access cover and fireback), Firebox and heat exchanger, HHT Chimney & Terminations, Manifolds
20 years	3 years	X				Firebox and heat exchanger
All purchased replacement parts and optional accessories						
1 Year	None	X	X	X	X	All purchased replacement parts and optional accessories

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WARRANTY CONDITIONS:

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

WARRANTY EXCLUSIONS:

This Warranty does not cover the following:

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

This warranty is void if:

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

LIMITATIONS OF REMEDIES AND LIABILITY:

- **EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. The owner's exclusive remedy and HHT's sole obligation under this Warranty or in contract, tort or otherwise, shall be limited to, at HHT's sole option, replacement of the Component Part(s), repair of the Component Part(s), or refund of the original purchase price of the applicable Product(s). In no event will HHT be liable for any incidental or consequential damages caused by defects in the applicable Product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from State to State. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE FOR THE APPLICABLE PRODUCT. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.**

3 in 1 LED Controller (2.4G)

Instruction Manual

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Product features

Made by new 2.4GHz wireless transmitting technology with low power consumption, strong ability to build network automatically and anti-interference. with MiBoxer 2.4GHz gateway to get wireless dimming color, remote control, timing control, group control, music rhythm function. Support 2.4G RF remote control.



16 Millions of colors to choose



Color temperature adjustable



Dim brightness / Saturation



2.4G RF wireless transmission technology



Remote control distance 30m



Auto-transmitting & Synchronization



Support Smartphone app control (2.4GHz gateway is needed)



Support third party voice control (2.4GHz gateway is needed)



DMX512 controllable
(Only for RGB+CCT output mode DMX512 LED transmitter is needed)

Set up output mode

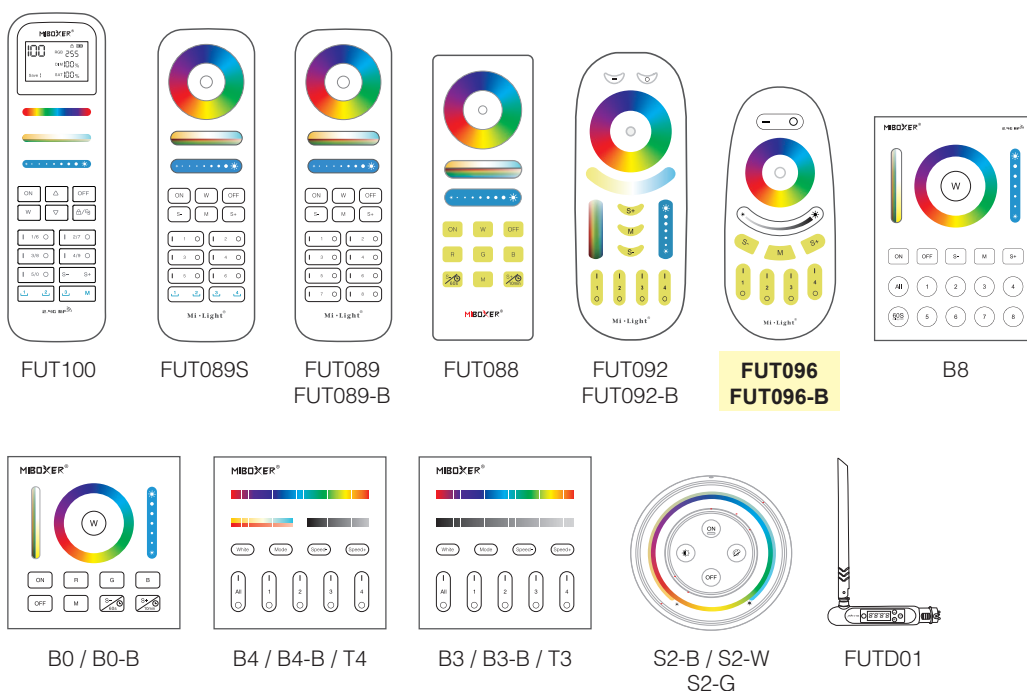
Set up correct output mode based on the feature of lights

Setting method: Press "SET" button continuously to switch output mode (attention: it will log out without operation within 3 seconds)

Output mode sheet (confirm output mode based on color of indicator)

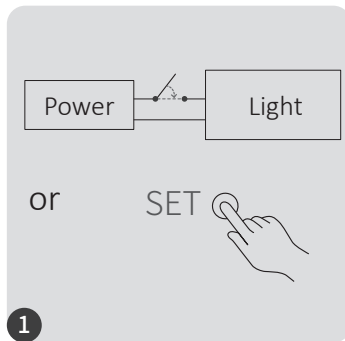
Indicator color	Red Light	Green Light	Blue Light
Output	RGB	RGBW	RGB+CCT

Compatible with these 2.4G RF remote controls (Purchased separately)



2.4G RF Remote control instruction

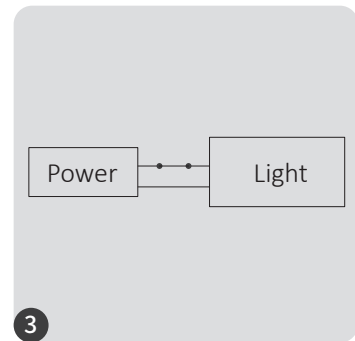
1). Linking Code Instructions



Power off 10 seconds and power on again or short press "SET" one time.



Short press " I " button 3 times within 3 seconds.

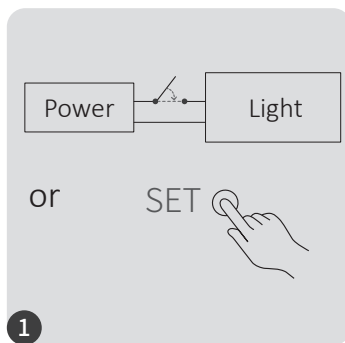


Lights blink 3 times slowly means linking is done successfully.



Linking failed if light is not blinking slowly, Please follow above steps again.
(Note: Light that have linked can't link again)

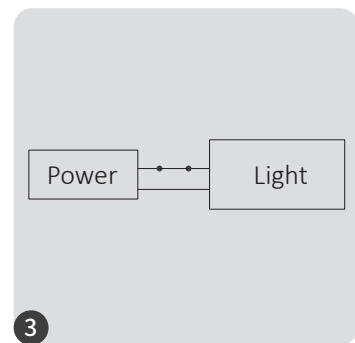
2). Unlinking Code Instructions



Power off 10 seconds and power on again or short press "SET" one time.



Short press " I " button 5 times within 3 seconds.



Lights blink 10 times quickly means unlinking is done successfully.



Unlinking failed if light is not blinking quickly, Please follow above steps again.
(Note: Light haven't linked that don't need to unlink)

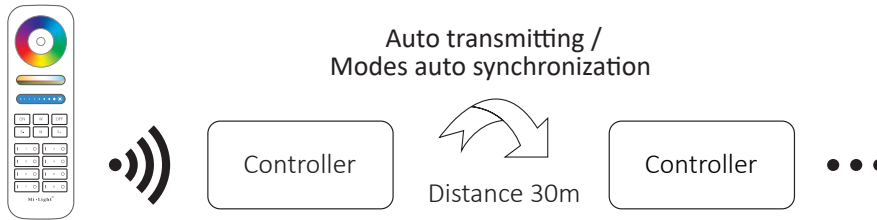
3). Auto transmitting & Synchronization (only for remote control)

Remote signal auto transmitting

One light can transmit the signals from the remote control to another light within 30m, as long as there is a light within 30m, the remote control distance can be limitless.

Dynamic modes auto synchronization

Multi lights can synchronize if they are in same dynamic mode and linked with same remote (distance between each light is within 30m)



4). Dynamic mode table selection (only for remote control)

Select dynamic mode table 1:

While the light is in static mode, short press “**S+**” button 5 times quickly until blue light flashes 3 times slowly, static mode is activated successfully.

Select dynamic mode table 2:

While the light is in static mode, short press “**S-**” button 5 times quickly until yellow light flashes 3 times slowly, static mode is activated successfully.

Dynamic mode table 1 (default)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Mardi Gras	Adjustable
2	Automatic color change	
3	Sam	
4	Gemstone	
5	Twilight	
6	American	
7	Fat Tuesday	
8	Party	
9	Slow Color Splash	

Dynamic mode table 2 (need to switch manually)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Seven colors gradual change	Adjustable
2	White light Gradual change	
3	RGB gradual change	
4	Seven colors jump to change	
5	Jump to change randomly	
6	Red light gradual change +Flash 3 times	
7	Green light gradual change +Flash 3 times	
8	Blue light gradual change +Flash 3 times	
9	White light gradual change +Flash 3 times	

5). PWM high frequency / low frequency switching (only for remote control)

Switch to high frequency (16KHz):

Press **“OFF”** button 1 time within three seconds and press **“ON”** button 5 times,
Activated successfully once led light flashes 2 times quickly.

Switch to low frequency (250Hz):

Press **“ON”** button 1 time within three seconds and press **“OFF”** button 5 times,
Activated successfully once led light flashes 2 times slowly.

6). “Do Not Disturb” mode is activated and shut down (default activated)

Turn on “Do Not Disturb” mode (wide using in the area which have power failure frequently to save energy)

2.4G RF Remote turn on and turn off instruction

Turn on “Do Not Disturb” mode:

Press “OFF” button three times within three seconds and press “ON” button three times, Activated successfully once led light flashes four times quickly.

Attention: Do not disturb mode is activated

1. When the light is OFF status (For example: Use app or remote to turn off light)

The light is OFF status once you turn off power and turn on again.

(User must turn off and turn on power twice times to activate light or use APP / remote to activate light)

2. When the light is ON status

The light is ON status once you turn off and turn on power one time.

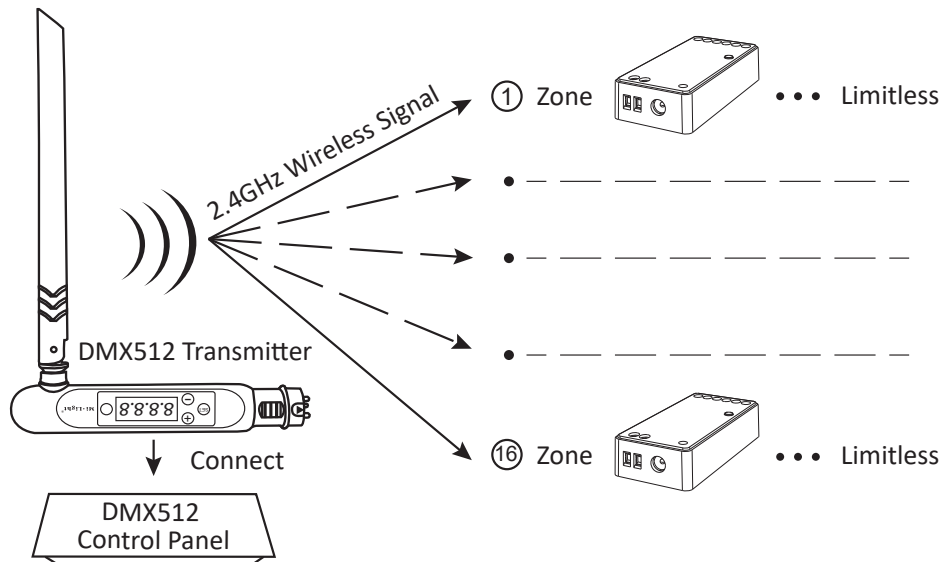
Turn off “Do Not Disturb” mode:

Press “ON” button three times within three seconds and press “OFF” button three times, closed successfully once led light flashes four times slowly.

Attention: The light will be always “ON” status if you turn on and turn off power once user closed “Do Not Disturb” mode.

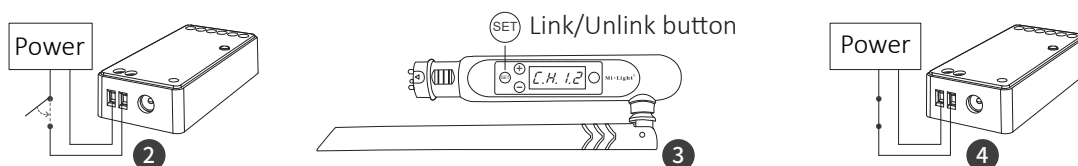
DMX512 LED Transmitter Control (Purchased separately)

Only for RGB+CCT output mode



DMX512 LED Transmitter Link/Unlink

- 1 Follow instruction of DMX512 transmitter (FUTD01), Choose the zone for the light by pressing “+” or “-” (e.g. “CH12” means zone 12)



Link

The controller is powered off for 10 seconds and then powered on, or press “SET” button 1 time.

Short press “SET” 3 times within 3 seconds while the indicator of controller is ON

Link is done once indicator of controller flashes 3 times slowly

Unlink

The controller is powered off for 10 seconds and then powered on, or press “SET” button 1 time.

Short press “SET” 5 times within 3 seconds while the indicator of controller is ON

Unlink is done once indicator of controller flashes 10 times quickly



If the link or unlink failed, please follow the above steps again.

Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don't disassemble device if you are not expert, otherwise it will damage it.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.



Scan QR code to watch 2.4GHz series video instruction Or
enter into following link directly

https://miboxer.com/light/video/1pc_remote.html



Made in China