

MAKE THE MOST OF YOUR



LYNX POST MOUNTED HEATER (LHPM)
CARE & USE/INSTALLATION

WARNINGS



WARNING

READ THIS MANUAL CAREFULLY and completely before using your grill to reduce the risk of:

1. Fire
2. Burn hazard, personal injury or property damage
3. Unapproved installation or servicing.

THIS PRODUCT IS DESIGNED FOR OUTDOOR RESIDENTIAL USE ONLY.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment. Read this manual thoroughly before installation, use, or servicing of this product.



DANGER

IF YOU SMELL GAS:

1. Shut off all gas supply lines to the heater.
2. Extinguish any open flames.
3. If odor continues, keep everyone away from the grill accessory and immediately call your gas supplier or your fire department.



DANGER

S'IL Y A UNE ODEUR DE GAZ:

1. Coupez l'admission de gaz du chauffage.
2. Éteindre toute flamme nue.
3. Si l'odeur persiste, éloignez-vous de l'appareil de chauffage et appelez immédiatement le fournisseur de gaz ou le service d'incendie.



WARNING

1. DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.



AVERTISSEMENT

1. Ne pas entreposer ni utiliser de l'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de l'appareil, ni de tout autre appareil.



WARNING! CALIFORNIA PROPOSITION 65

1. The burning of gas cooking fuel generates some by-products which are on the list of substances which are known by the State of California to cause cancer or reproductive harm.
2. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to the substances, always operate this unit according to the use and care instructions found in this manual. Be certain to provide adequate ventilation.

IMPORTANT

The installer must leave these instructions with the owner. Only those who are certified to do so should perform service on these heaters.

CAUTION AND GENERAL SAFETY

- At all times maintain clearance to combustible materials as further specified in this manual. Failure to do so can result in serious fire hazard.
- Never operate heaters in atmosphere containing flammable vapours or combustible dusts.
- This heater is equipped with an electronic and automatic ignition device. Do not attempt to light the burner by hand. Failure to comply can result in a serious fire and personal injury hazard.
- Certain materials, when stored under this heater, are subjected to radiant heat that can soften, distort or otherwise be damaged, special care should be taken of plastic materials
- Appliance surfaces, other than the obvious flame and emitter surfaces, attain elevated temperatures during operation. Do not touch the heater head during operation. Everyone should be alerted to this hazard to avoid burning.
- Children should be strictly supervised when in the area of this heating appliance. Playing or running around the structure should be strictly forbidden.
- Clothing or other flammable materials should not be hung on or near this heater.

PRE-INSTALLATION OVERVIEW

WHAT YOU WILL RECEIVE:

TOP REFLECTOR



HEATER HEAD ASSEMBLY



HARDWARE



POLE ASSEMBLY

ELECTRIC SWITCH KIT



Assembly delivers in 4 boxes

A MESSAGE TO OUR CUSTOMERS

Lynx manufactures many accessory cooking appliances to compliment your Lynx grill and your desire for truly superior cooking results.

Your appliance has been designed and built with meticulous attention to detail and it offers some unique and powerful features. You can achieve maximum performance and enjoyment of these features only by carefully reading this manual.

This manual includes important safety tips. You should keep it handy for easy reference.

Also, at Lynx, we enjoy hearing from our customers. We like to hear about your successes but also about any difficulties you are having. Please feel free to contact us with any questions or problems, or just to share a new recipe. Please include the model number of your appliance in your correspondence.

With the proper use and care this product will provide years of trouble-free service.

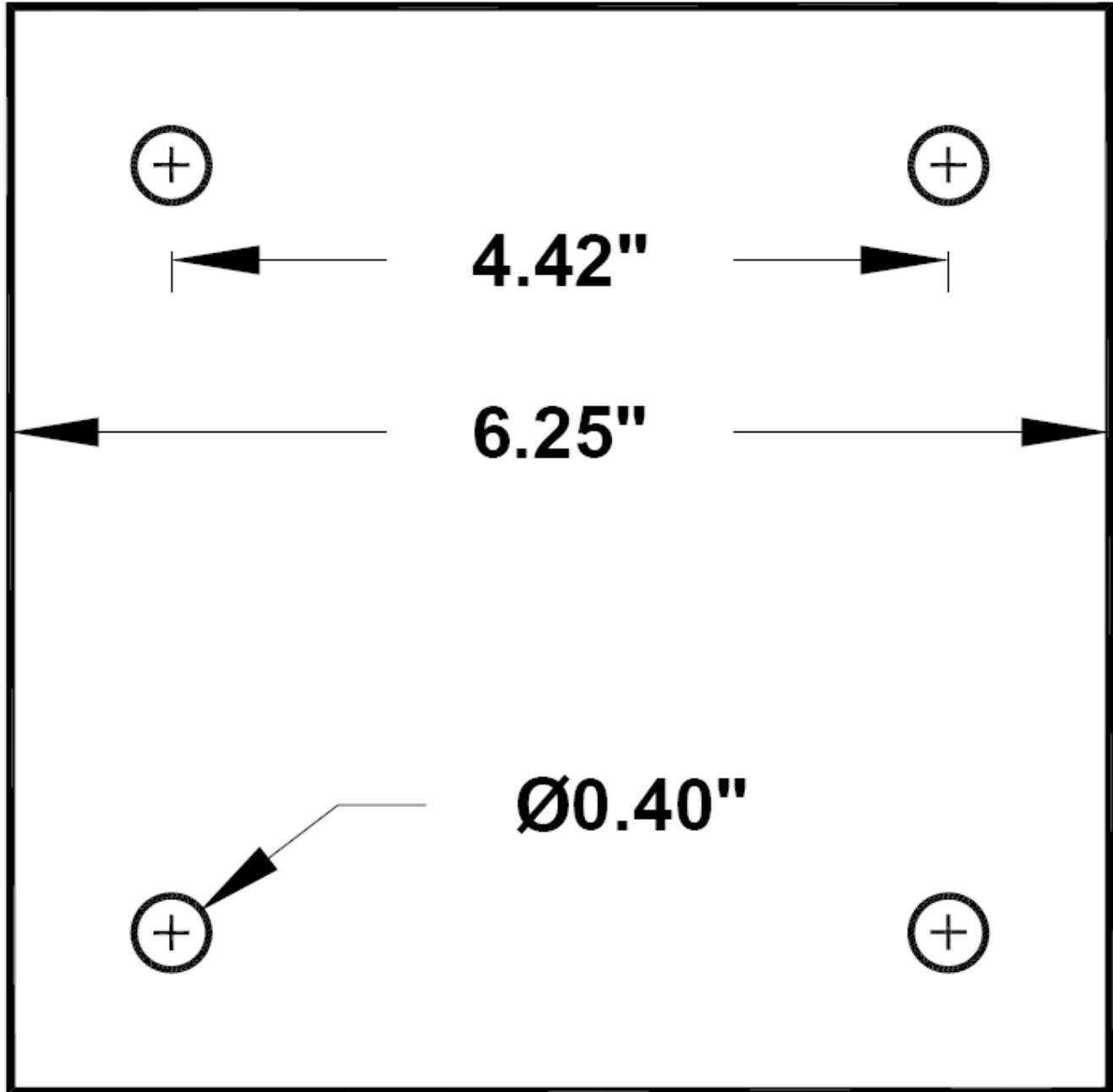
Should your Lynx appliance change ownership, please make sure that the new owner receives this manual.

Thanks again for your purchase. Enjoy!



PRE-INSTALLATION OVERVIEW

MOUNTING PLATE HOLE PATTERN (FULL SIZE)



LIGHTING INSTRUCTIONS



WARNING

Read the 'User Manual/Installation Instructions carefully and completely before using your heater to reduce the risk of fire, burn hazard or other injury.

LIGHTING

1. Open manual gas supply valve (ensure gas supply lines have been purged).
2. Turn on switch to energize electric supply.
3. The electronic control module will begin the ignition period in 3 seconds.
4. The gas valve will open and ignition spark will commence and continue for 20 sec.
5. If flame starts and "is detected", flame will continue until turned off.
6. If no flame is detected, the gas valve will close after 20 sec. A "wait" period commences and lasts approximately 5 sec. and a second trial for combustion commences. The electronic control will attempt three trials for ignition before locking out for approximately 5 minutes at which time it will automatically try again. Electronic control of heater can be re-set by de-energizing and re-energizing electric power.

SHUT DOWN

1. Turn off power to electronic control.
2. For longer periods of shut down, also close manual gas supply valve.

SUPPLIES NEEDED

1. Heater post anchoring hardware.
2. Materials necessary to construct a concrete base for floor mounting.
3. Gas supply line that is installed to the Gas and Electric Supply according to the: National Fuel Gas Code, ANSI Z.223.1 (NFPA 54) in the US and CAN/CGA B149.1 and B149.2 Installation Codes in Canada.
4. Electrical supply rated at 24 Vac with two stage control

LOCATION PLANNING

Wind protection has an important influence on the human body's ability to retain radiant heat. Use natural or newly built wind barriers where possible, such as existing buildings, shrubbery or tree lines and fences.

One Lynx Patio heater, at high fire and in windless conditions has a comfort radius of about twelve feet.

A series of heaters providing area heat should be placed about 14 feet apart.



WARNING

This heater is NOT approved for any indoor Residential application. If in doubt of your application consult with your local fire marshal or gas authority having jurisdiction. Indoor spaces include but are not limited to attached garages, solariums, living quarters etc.

A patio that has been almost entirely closed in with a roof and windbreak walls or a tent may be considered an indoor location by some code authorities. Venting of the flue gases is accomplished by means of an interlocked fan. Refer to the National Fuel Gas Code, ANSI Z.223.1 (NFPA 54) in the US and CAN/CGA B149.1 and B149.2 Instalation Codes in Canada.

LOCATION REQUIREMENTS

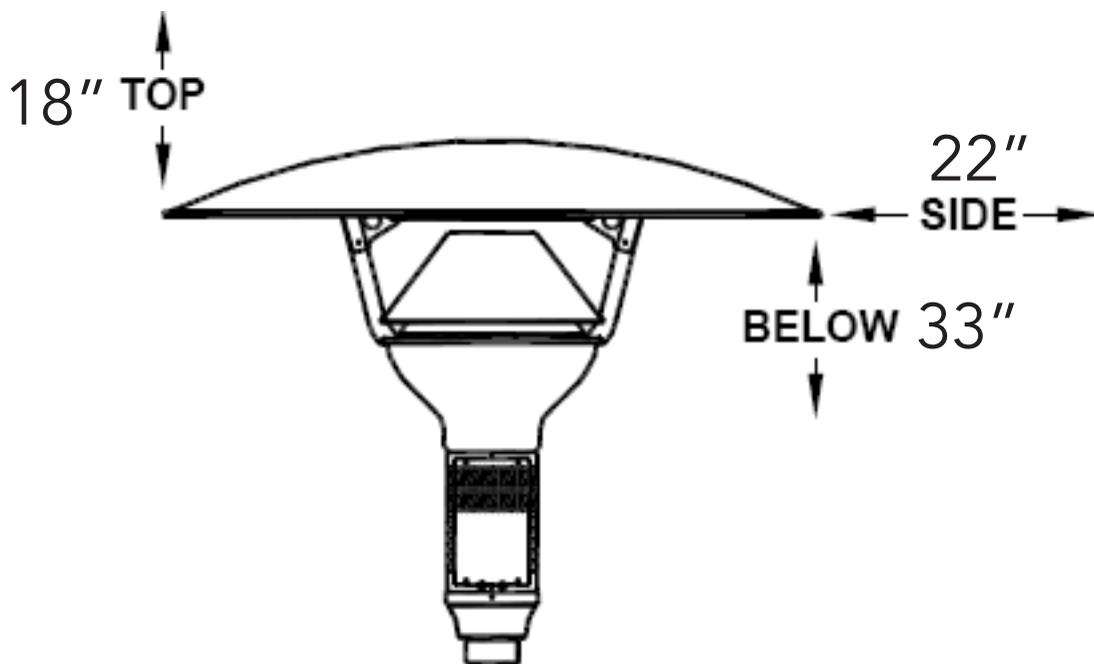
1. Never locate the heater directly below electrical lines, gas lines or sprinkler systems.
2. Do not locate heater too close to vinyl or plastic wall coverings. These materials may discolour or soften well before they reach combustible limits.
3. Always allow room for removal of the top reflector and heater head for maintenance purposes.
4. The heater aspirates air for combustion. Do not locate heater where there are severe draft conditions or airflow restrictions to the heater head base.

CLEARANCE TO COMBUSTIBLE MATERIALS

The following clearance data is based on a maximum limit of 90°F plus ambient temperature. Note with an ambient temperature of 70°F the surface temperatures at the clearance distances listed below could reach 160°F. Care should be taken with placement of plastic or vinyl in the proximity of the heater as they tend to distort and soften at these temperatures.

NOTE: Some materials deteriorate or soften at sustained temperatures below 160°F.

Consult material manufacturer for recommendations



POWER/GAS SPECIFICATIONS

High fire rate: 53,000 btuh

Low fire rate: 46,000 btuh

Gas supply pressure: Minimum Maximum

Natural Gas: Minimum 6.5 " W.C. at orifice
14" W.C. at inlet.

Electric Supply: 24 VAC, 0.8A

Installation or repair should only be done by personnel qualified for the installation of powered gas appliances.

Unit is for Natural Gas only.

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psig (3.5 KPa).

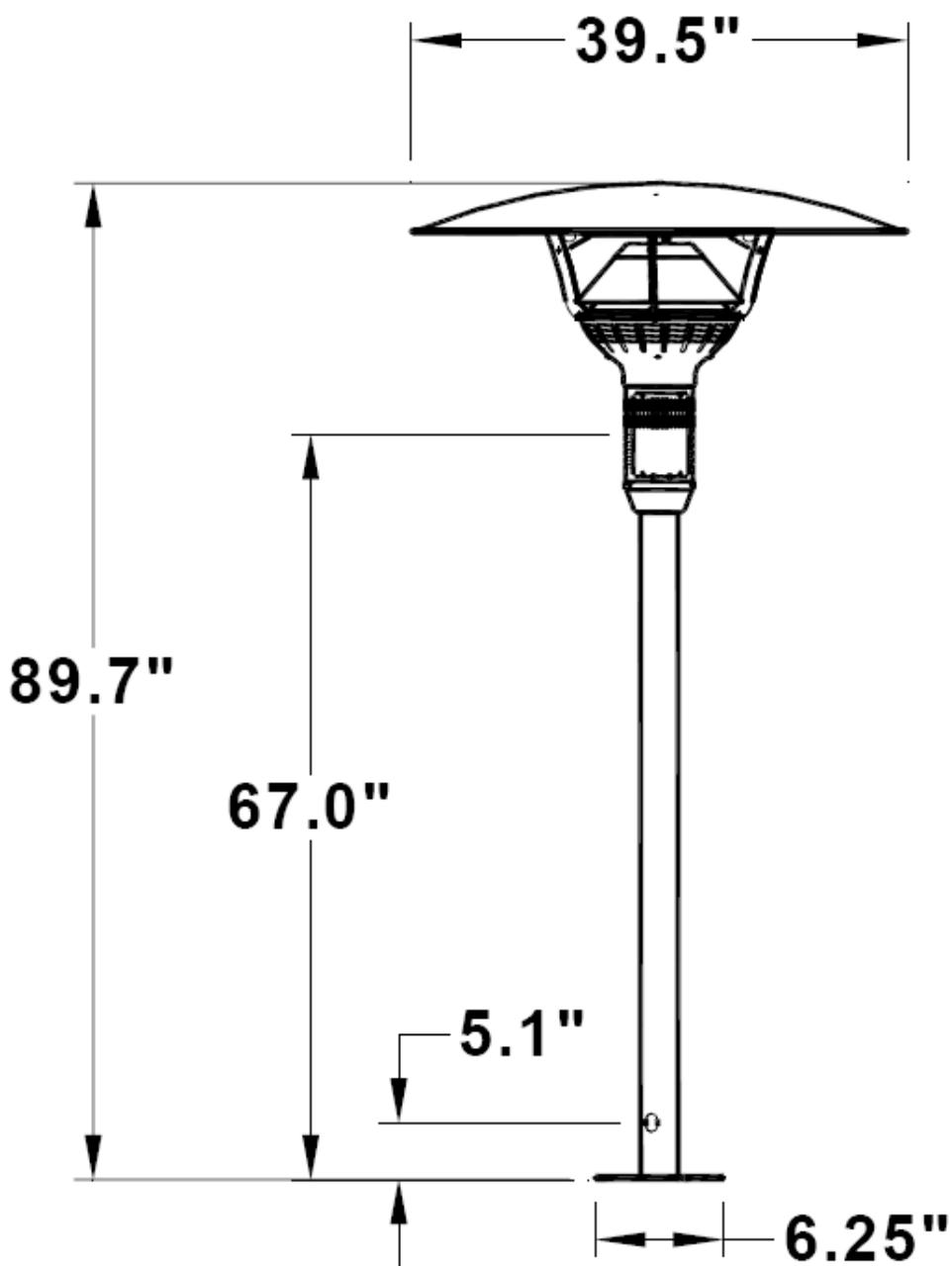
INSTALLATION INSTRUCTIONS

Installation must comply with local building codes and/or, for the USA/National Fuel Gas Code, ANZI Z 223.1 (NFPA 54) and for Canada, CAN/CGA B149.1 and B149.2, National Gas and Propane Installation Code (latest editions).

Appliance must be electrically grounded in accordance with local codes or, in their absence; the National Electrical Code, ANSI/NFPA 70 in the USA, CSA CZ21.1 Canadian Electrical Code in Canada.

EQUIPMENT DIMENSIONS

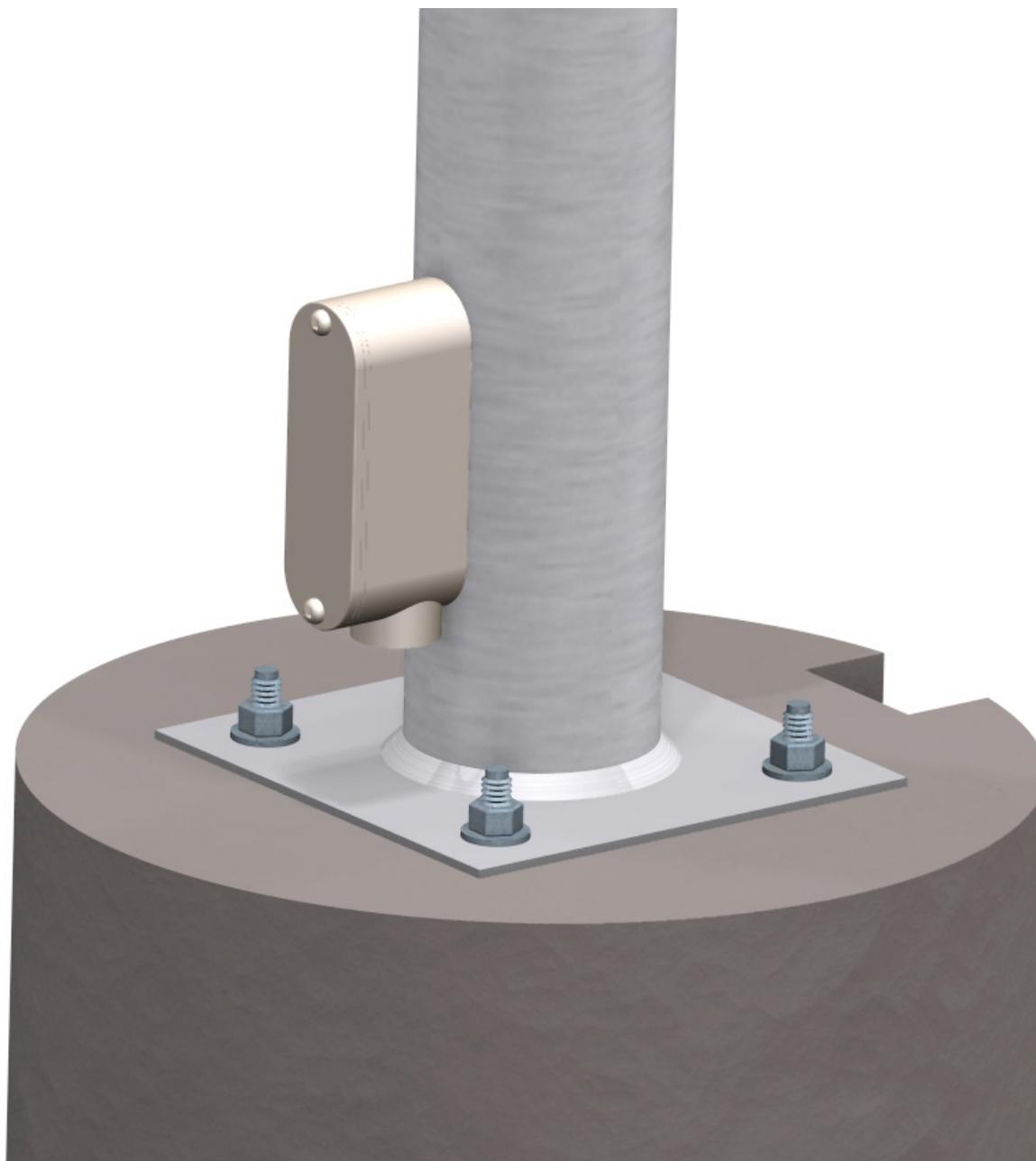
Floor mount model # LHPM



ASSEMBLY

Mount pole base onto a concrete floor or cast concrete with minimum below grade depth of 12" and having a 12" diameter. If forming concrete, cast in place appropriate passage for gas and control wires. Use minimum 3/8" x 5" 90° lag bolts or equivalent to mount heater base to the concrete base. The pole base could also be mounted on wood decks with 3/8" bolts and lock washers on the underside of the deck. Periodically check for tightness when mounted to a wood deck.

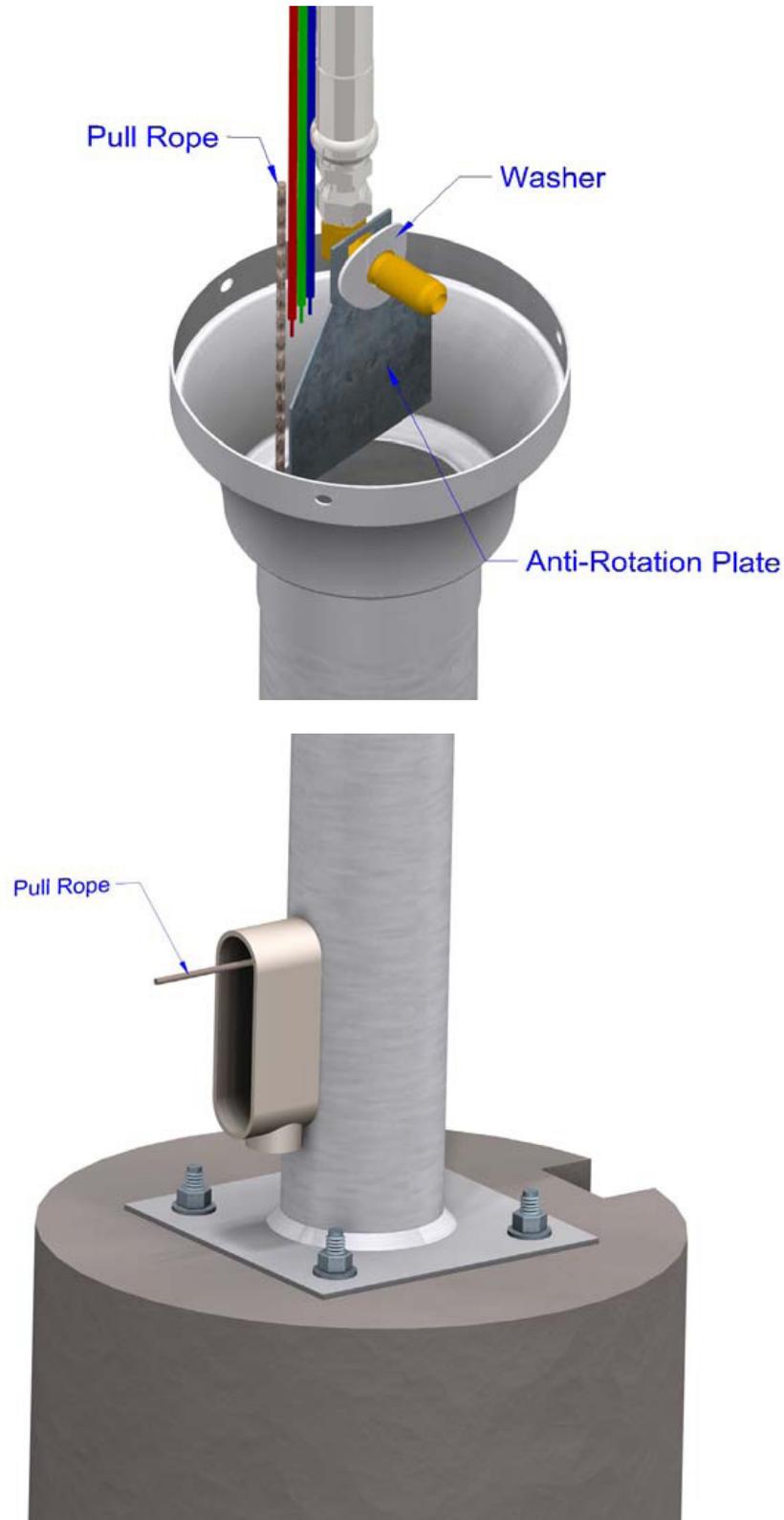
STEP 1



ASSEMBLY...continued

Arrange the burner head such that the wires and gas hose are arranged as illustrated. Feed a pull wire through the pole to assist in pulling the three power wires into the pole and through the junction box. Firmly tape the pull wire to the power wires. Lower the assembly into place while pulling the wires. Two people may be necessary for this operation.

STEP 2



ASSEMBLY...continued

Secure burner head to pole with three #8 screws

STEP 3

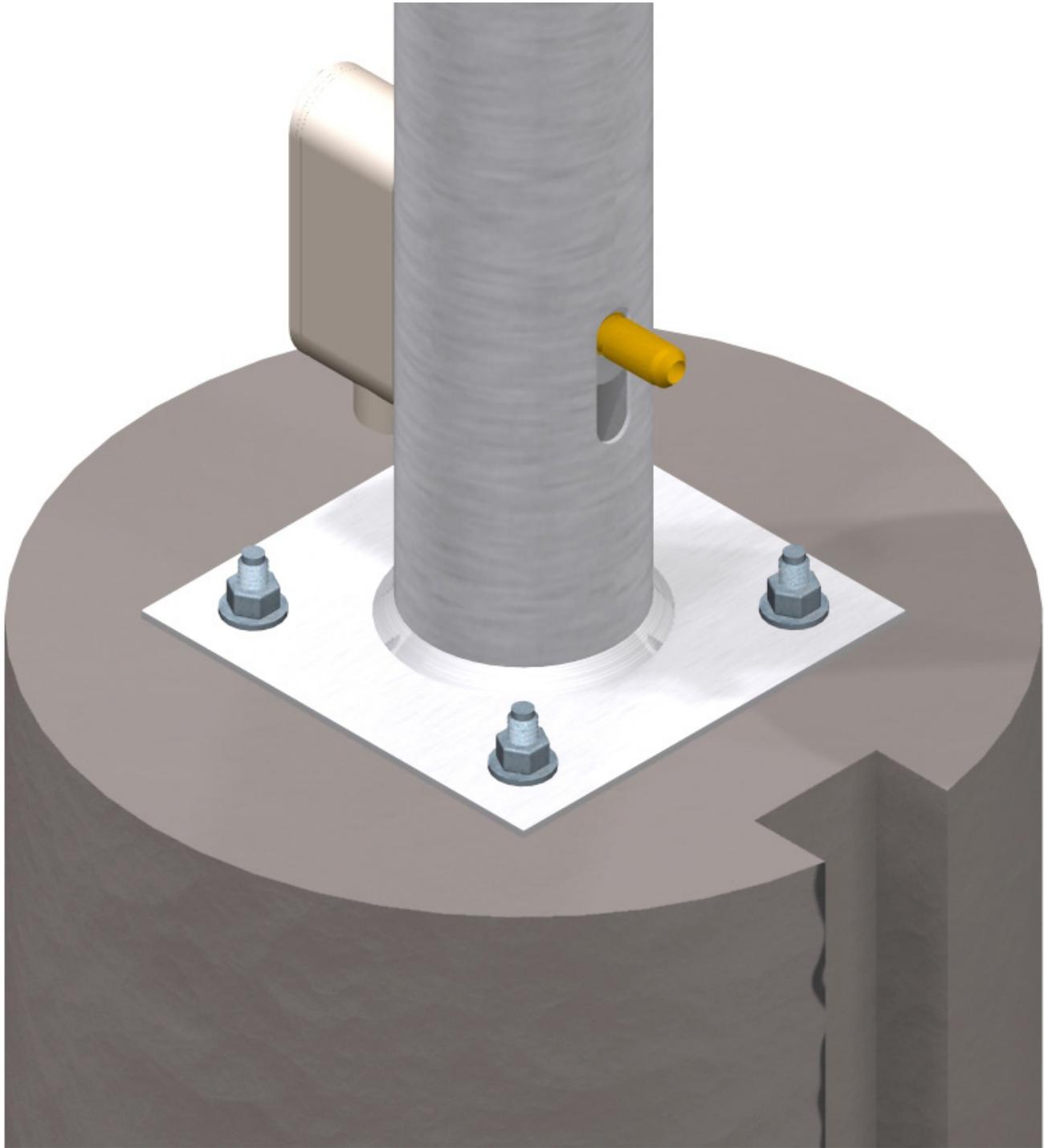


Please note
the lights only
activate when
in use

ASSEMBLY...continued

Push the gas connection into the slot but slightly pushing on the gas line through the electrical box. The gas fitting should be positioned as illustrated below.

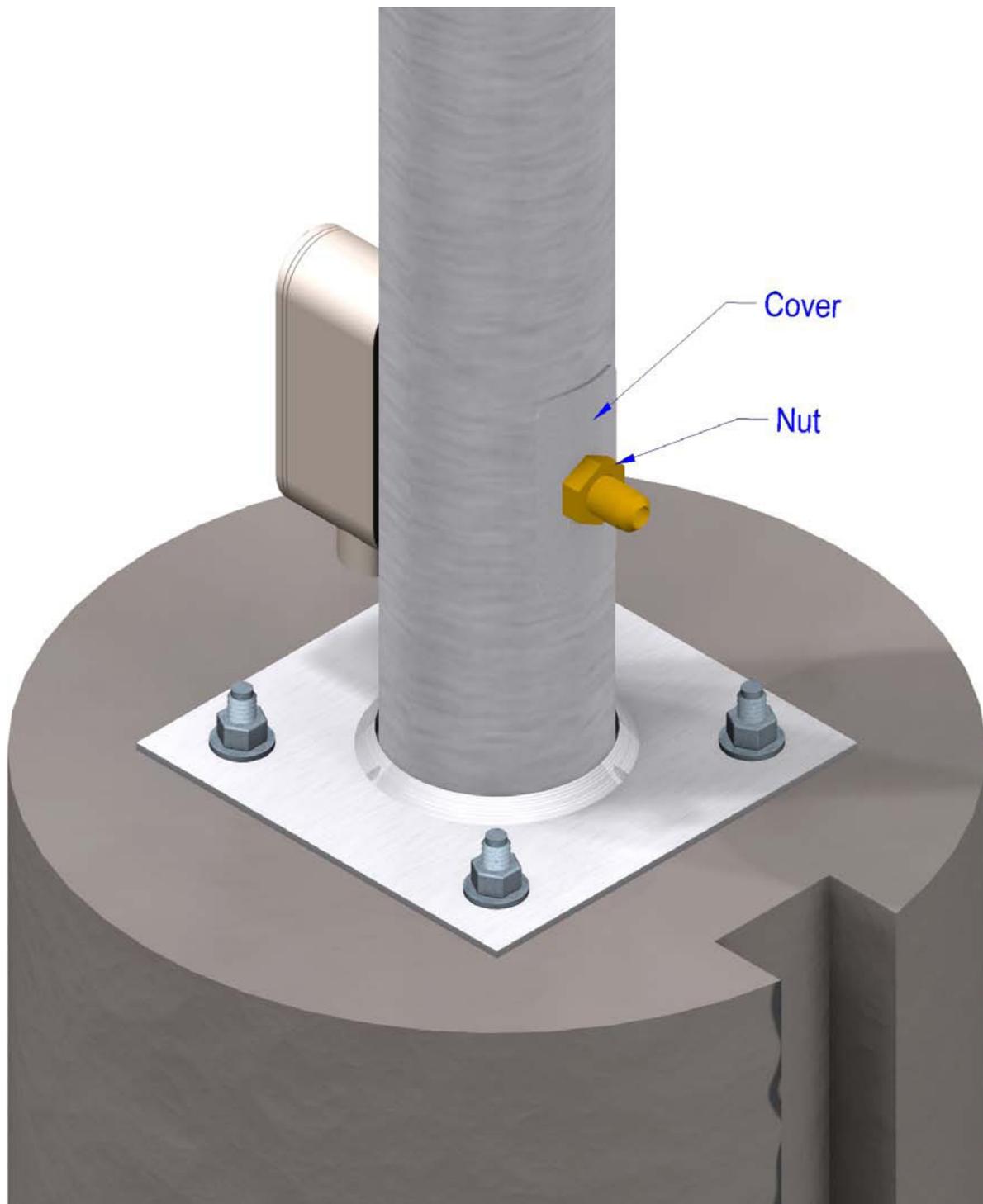
STEP 4



ASSEMBLY...continued

Place gas connection cover onto the fitting and install the nut to fasten the cover assuring the nut is properly seated. See below.

STEP 5



ASSEMBLY...continued

Install reflector using the four carriage bolts, nuts and washer provided.

STEP 6



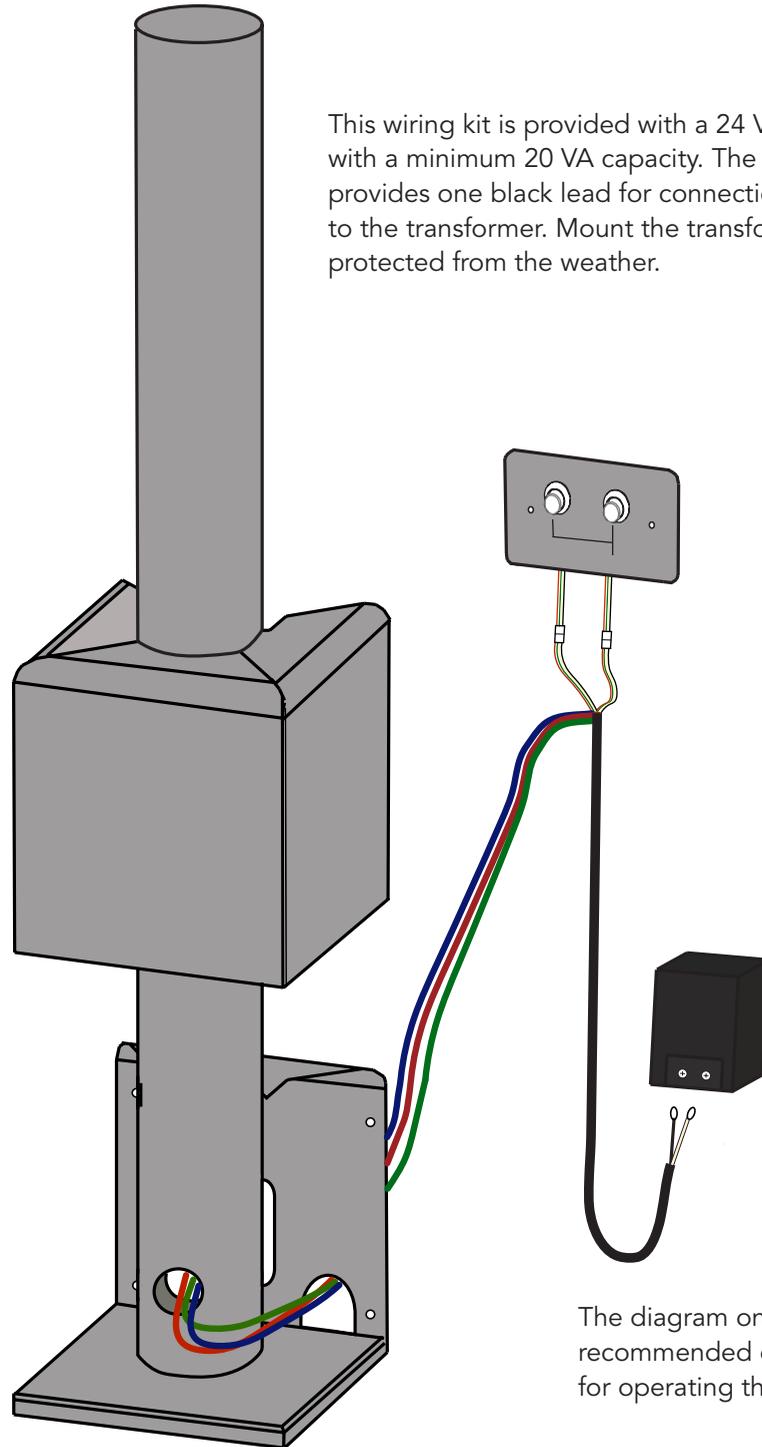
Connect gas supply and electric power following all local codes. Pressure test all gas connections.

ASSEMBLY...continued

The switch assembly contains three colored leads that match the corresponding colors from the heater. Connect the matching wire colors to each other with an appropriate length of wire. We recommend a minimum 18 AWG gauge wire rated for outdoor use.

STEP 7

Optional base cover available separately.

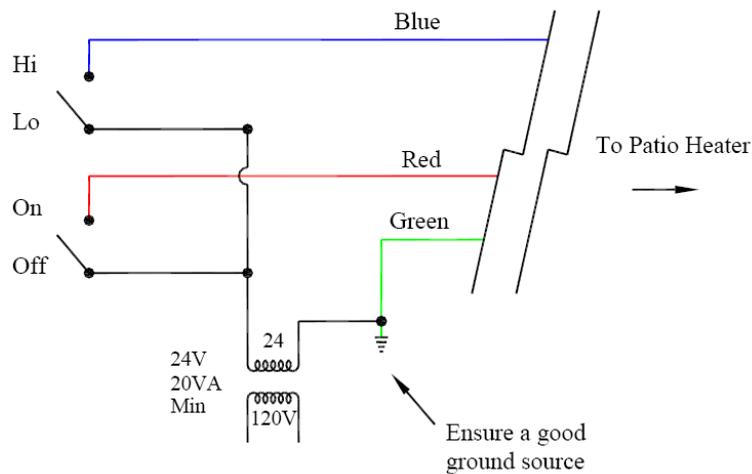


This wiring kit is provided with a 24 Volt AC supply with a minimum 20 VA capacity. The wiring kit provides one black lead for connection of the switch to the transformer. Mount the transformer in a location protected from the weather.

The diagram on page 18 is the recommended control circuit for operating this appliance.

SCHEMATICS

This appliance requires a 24 volt AC supply with a minimum 20 VA capacity. Below is a suggested control circuit for operating this appliance. The switching mechanisms may also be Timers.



MAINTENANCE AND TROUBLESHOOTING

MAINTENANCE

- Before performing any service shut off gas and electric supply.
- Check condition of burner, especially integrity of flame screen.
- Inspect condition of spark and sense electrode. Check for cracks in ceramic insulators or excessive corrosion.
- Inspect condition of high tension lead to spark rod.
- Annually verify hose gas supply in heater post and all connections for gas leaks.

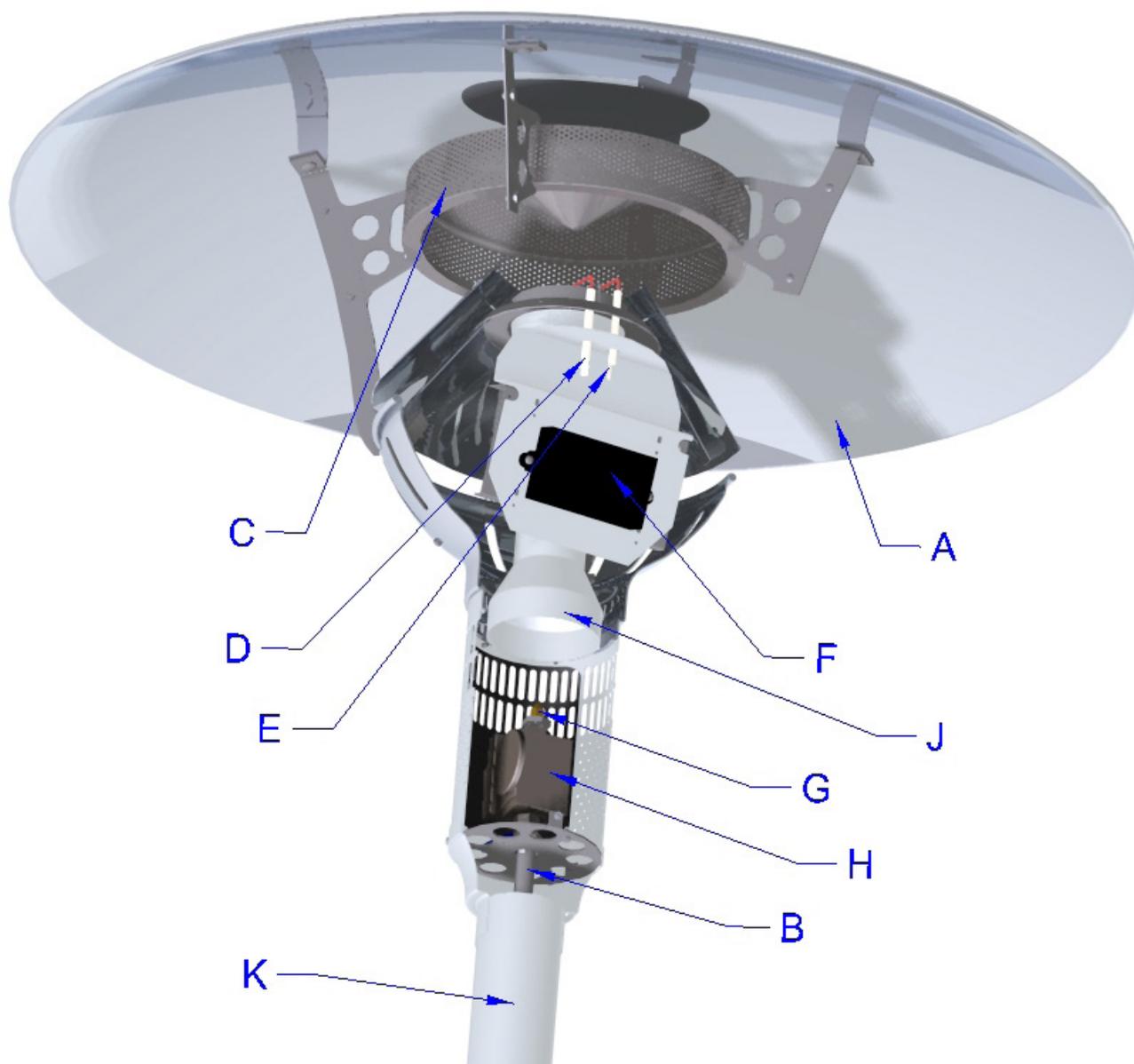
TROUBLESHOOTING

1. No gas supply at burner:
 - Ensure manual shut off valve is in proper position
 - Ensure there is pressure and flow at inlet to gas valve.
 - Ensure gas valve gets 24v power from control module during ON cycle.
2. No spark:
 - Ensure control module has 24VAC supply
 - Ensure spark electrode assembly is grounded and there are no cracks in ceramic insulator.
3. Flame lights but will not stay lit:
 - Ensure there is no overpowering wind.
 - Ensure sense electrode is not corroded, is not grounded or has a cracked insulator. Electrode position is radially across face of burner.

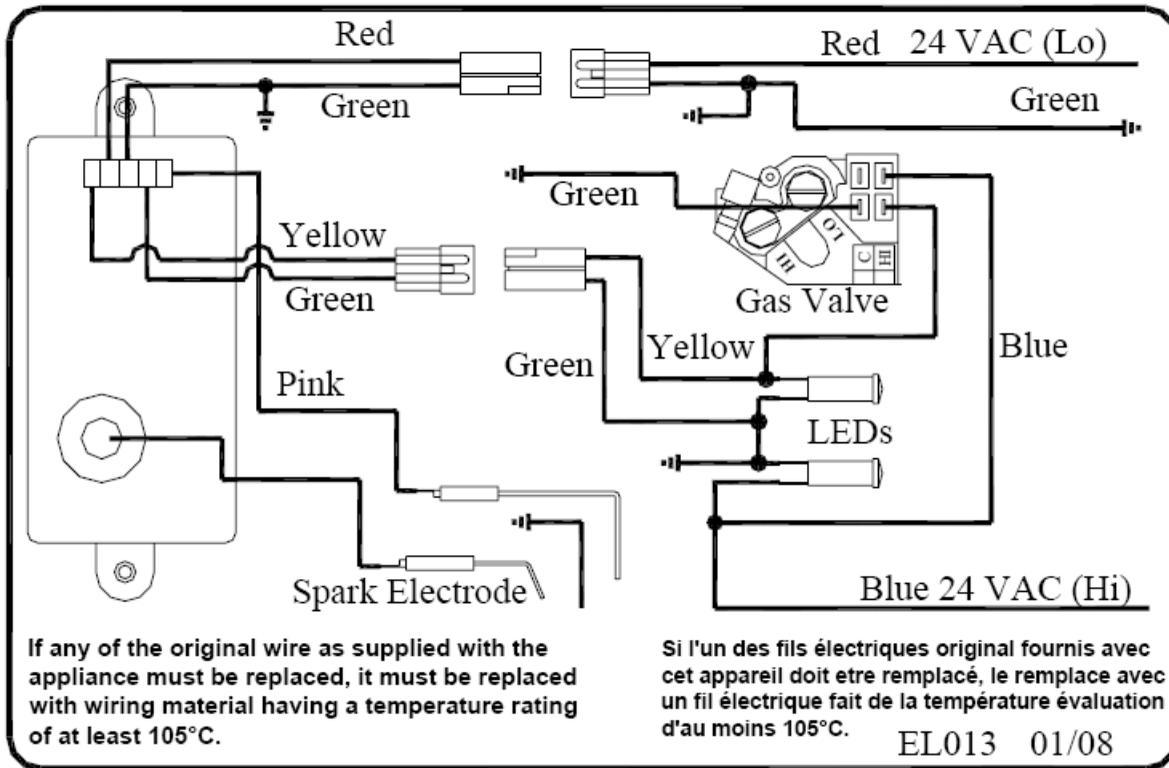
PARTS LIST

ITEM	DESCRIPTION	PART #
A	REFLECTOR PACKAGE	32591
B	GAS HOSE ASSEMBLY	33285
C	EMITTER	33286
D	FLAME SENSOR	33287
E	SPARK ELECTRODE	33288
F	ELECTRONIC CONTROL MODULE	33289

ITEM	DESCRIPTION	PART #
G	ORIFICE NAT GAS	33290
H	GAS VALVE ASSEMBLY	33291
I	INDICATOR LIGHT	33292
J	BURNER ASSEMBLY	33293
K	POLE PACKAGE	32590
L	IGNITION WIRE	33294



INTERNAL WIRING



LYNX LHPM LIMITED WARRANTY

I. LIMITED FIVE-YEAR WARRANTY

Lynx warrants to the original owner that the product will be free of defects in material and workmanship for a period of 5 years from the date of purchase. This warranty is limited to the replacement of the defective parts, with the owner paying all other costs including labor, shipping, and handling.

II. LIMITED THREE-YEAR WARRANTY

The electronic control module, spark electrode, and sense electrodes which have a replacement warranty period of 3 years. This warranty is limited to the replacement of the defective parts, with the owner paying all other costs including labor, shipping and handling.

III. LIMITATIONS & EXCLUSIONS

- 1) This Warranty shall apply to products purchased and located in the United States and Canada. Products must be purchased in the country where service is requested.
- 2) Warranty applies only to the original purchaser and may not be transferred.
- 3) Warranty is in lieu of all other warranties expressed or implied and all other obligations or liabilities related to the sale or use of its products.
- 4) Warranty shall not apply and Lynx is not responsible for damage resulting from misuse, abuse, alteration of or tampering with the appliance, accident, hostile environment, improper installation, corrosive environments, or installation not in accordance with the instructions contained in this manual, or the local codes.
- 5) Lynx shall not be liable for incidental, consequential, special or contingent damages resulting from its breach of this written warranty or any implied warranty.
- 6) Some states do not allow limitations on how long an implied warranty lasts, or the exclusions of or limitations on consequential damages. This warranty gives you specific legal rights and you may have other rights which vary from state to state.
- 7) No one has the authority to add to or vary Lynx's warranty, or to create for Lynx any other obligation or liability in connection with the sale or use of its products.
- 8) Limited to the replacement of defective parts with the owner paying all other costs including labor.

V. WHAT IS NOT COVERED: LYNX SHALL NOT BE RESPONSIBLE FOR AND SHALL NOT PAY FOR THE FOLLOWING

- 1) Installation or start-up, damages or problems caused by improper installation or use;
- 2) Service by an unauthorized service provider;
- 3) Damage or repair due to service by an unauthorized service provider or use of unauthorized parts;
- 4) Warranty does not apply to products installed in any commercial or non-residential application. Examples of excluded applications include, but are not limited to day care centers, schools, bed and breakfast centers, churches, private clubs, fire stations, club houses, common areas in multi-family dwellings, restaurants, hotels, nursing

homes, food service locations and institutional food service locations.

- 5) To correct normal adjustments or settings, due to improper installation, commissioning or local gas supply properties.
- 6) Shipping and handling costs, export duties, installation, removal, or re-installation cost.
- 7) Display models are sold "as is". If you have purchased a display model, please be advised that it is sold "as is" and that it is subject to the following warranty exclusions: any exterior or cosmetic damage is nonwarrantable; any missing components will be replaced at consumers expense; major handling damage to manifold, valve and ignition system will be serviced at consumer's expense; all other warranty's (standard warranty) will remain in effect.
- 8) The cost of a service call to diagnose trouble.



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www.lynxgrills.com