



MODEL & PART NOS.:
RPH-208-A (08845039 RED LAMP)
RPH-208-A-CLEAR (05297302 CLEAR LAMP)
RPH-240-A (08845139 RED LAMP)
RPH-240-A-CLEAR (05297402 CLEAR LAMP)
RPH -120-A (04925202 RED LAMP)
RPH-120-A-CLEAR (04925302 CLEAR LAMP)

WARNING! DO NOT ATTEMPT TO INSTALL, OPERATE, OR SERVICE THIS PRODUCT BEFORE READING ALL INSTRUCTIONS CAREFULLY. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN FIRE, PERSONAL INJURY AND/OR PROPERTY DAMAGE! RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

DESCRIPTION

The Fostoria Restaurant Patio Heaters offer high efficiency electric infrared heat. Recommended for commercial / industrial indoor spot heating and for unprotected outdoor applications. The specially designed aluminum reflectors and end caps deliver infrared heat in a precise pattern to areas such as seating for outdoor dining or other patio uses.

Not for indoor residential use

UNPACKING

When unpacking, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts.

REQUIRED CLEARANCES

Do not install heater closer than 24 inches to a vertical surface, 6 inches to ceiling or 72 inches from floor or any combustible surface in direct radiation path.

SPECIFICATIONS

*Power requirements.....*RPH-208-A: 208 Volts, 7.69 Amps
RPH-240-A: 240 Volts, 6.67 Amps
RPH-120-A: 120 Volts, 12.5 Amps
*Watts.....*1600: 208-240 Volts, 1500: 120Volts
*BTUs.....*1600 Watts 5461, 1500 Watts 5120
*Overall dimensions.....*24" x 5-3/8" x 4-1/2"
*Housing.....*Stainless steel
*Reflector.....*Bright aluminum

CAUTION

Red sleeves used for visible light reduction are not recommended for applications near coastal waters. Purchase lamps with integral light filter from factory for these applications. See page 3.

IMPORTANT SAFETY INFORMATION

Read all instructions before using this heater.

1. Make certain that the power source conforms to the electrical requirements of the heater. Disconnect power before installing or servicing. If the power disconnect is out-of-sight, lock it in the open position and tag it to prevent unexpected application of power. Failure to do so could result in fatal electric shock. **WARNING: DO NOT DEPEND UPON A THERMOSTAT OR OTHER SWITCH AS THE SOLE MEANS OF DISCONNECTING POWER WHEN INSTALLING OR SERVICING THE HEATER. ALWAYS DISCONNECT BREAKER AS DESCRIBED ABOVE. FAILURE TO DO SO COULD RESULT IN FATAL ELECTRIC SHOCK**
2. This heater is intended ONLY for permanent installation in accordance with the National Electric Code (NEC), all applicable local codes and ordinances, and all sections of this manual. Any variance voids the warranty and may create unsafe conditions. All wiring should be done by a qualified electrician, using copper wire only.
3. Special attention must be given to any bonding (grounding) information pertaining to this heater. To prevent the risk of electrocution, the heater must be securely and adequately bonded. This should be accomplished by connecting a conductor between the service panel and the green grounding screw provided on the heater. To ensure a proper bond, the bonding means must be tested by a qualified electrician.
4. Do not insert fingers or foreign objects into the heater. Do not block or tamper with the heater while it is in operation. Do not touch heater while it is in operation or just after it has been turned off, as some parts may be hot enough to cause injury.
5. This heater is intended for general heating applications ONLY. It must NOT be used in potentially dangerous locations such as flammable, explosive or chemical-laden atmospheres.
6. Do not attach ductwork to this heater or attempt to use it as a make-up air heater. Such use voids the warranty and may create unsafe conditions.
7. In cases where property damage may result from malfunction of the heater, a back-up system or a temperature alarm should be used.
8. CAUTION: Check branch voltage. Heaters should be operated at voltages no higher than the heating elements and the heater are designed for. (Lower voltages, however, pose no problem other than a loss of wattage).
9. Heaters are not intended for process heating applications.

SAVE THESE INSTRUCTIONS!

IMPORTANT INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:

1. Read all instructions before using this heater.
2. **CAUTION:** High temperatures. Keep cords and all other combustible material, such as furniture, papers, clothes and curtains away from the heater. Do not install heater closer than 24 inches to a vertical surface, 6 inches to ceiling or 72 inches from floor or any combustible surface in direct radiation path.

ATTENTION: Les températures élevées. Gardez les cordons et tout autre matériau combustible, tels que les meubles, papiers, vêtements et rideaux à l'extérieur de l'appareil de chauffage. Ne pas installer de chauffage près de 24 pouces sur une surface verticale, 6 pouces au plafond ou 72 pouces du sol ou toute surface combustible dans le chemin de rayonnement direct.
3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
4. Do not operate any heater after it malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
5. Do not use outdoors.
6. To disconnect heater, turn controls to off, and turn off power to heater circuit at main disconnect panel (or operate internal disconnect switch if provided).
7. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
8. To prevent a possible fire, do not block air intakes or exhaust in any manner.
9. A heater has hot and arcing or sparking parts inside. **WARNING:** Do not use it in area where gasoline, paint, or flammable liquids are used or stored.
10. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
11. This heater may include an audible or visual alarm to warn that parts of the heater are getting excessively hot. If the alarm sounds (or illuminates), immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. **DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING (OR ILLUMINATING).**

12. SAVE THESE INSTRUCTIONS

CAUTION

POSSIBLE LAMP FAILURE

The heating elements used in this product can be damaged by contamination (salt deposits from perspiration or coastal air) on the surface of the quartz sleeve. At high temperatures, these salts will cause the quartz to become porous and leak allowing air to come in contact with the tungsten element. When this occurs, the element will burn out quickly and the quartz tube can break. The instructions below must be followed.

- Always wear cotton or latex gloves when installing or replacing elements.
- Always clean the quartz tube with an alcohol-moistened soft cloth before using the heater.
- Whenever contamination (milky white appearance on quartz tube) is observed, the element must be immediately replaced.

LAMP INSTALLATION

CAUTION: Disconnect power before installing or replacing lamps. They can, and should be, installed prior to mounting heater.

1. Remove the housing end caps.
2. Position quartz lamp in holes in lamp brackets at each end of reflector center lamp between brackets.
3. Carefully wrap heating element pigtail clockwise around terminal screw (see figure A). Avoid handling quartz lamp as much as practical. Lamp should be wiped off with a clean cloth.
4. Tighten terminal screws (see figure A). **CAUTION: Do not draw pigtail so tight that pressure is put on heating element. Maintain a partial loop (or looseness) in the pigtail.**

5. IMPORTANT! Cut excess pigtail off at terminal to prevent lead from touching metal parts. Failure to do so could result in fatal electric shock or fire.

6. Replace end caps using sheet metal screws removed in Step 1.

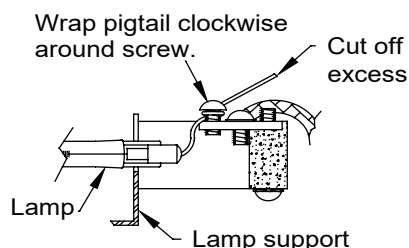
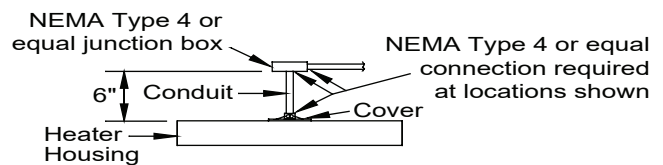


FIGURE "A"

MOUNTING INSTRUCTIONS

1. Assemble the supplied outlet box cover to the top of the heater using the two hex head screws.
2. Route the two blue leads and the green (bonding) lead through a section of 6" conduit (supplied by customer) and thread it into the cover.
3. Attach an outlet box cover to the other end of the conduit, make electrical connections and attach cover to customer supplied junction box.

CAUTION: FOR TOTALLY EXPOSED OUTDOOR APPLICATIONS (NOT CEILING PROTECTED) THE CONNECTIONS MUST BE MADE AS ILLUSTRATED BELOW.



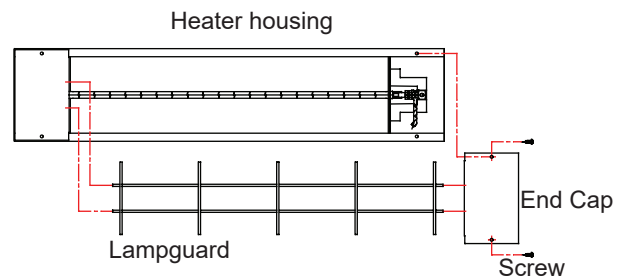
WIRING

CAUTION: For supply connections use number 12 AWG copper wires suitable for at least 90°C.

LAMPGUARD INSTALLATION

To install the optional lampguard (Model RPHWG):

1. Remove the screws and end cap from one end of the heater.
2. Insert the lampguard into the holes provided in each end cap.
3. Replace the end cap and screws removed in step 1. (See illustration below.)



MAINTENANCE

Always disconnect the heater from the power source before performing any service or maintenance.

Periodically clean the reflector with a soft damp cloth, using a mild detergent. Rinse with water and wipe dry with a clean soft cloth.