

BRANT RADIANT HEATERS LIMITED
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 www.brantradiant.com

INSTALLATION AND MOUNTING INSTRUCTIONS

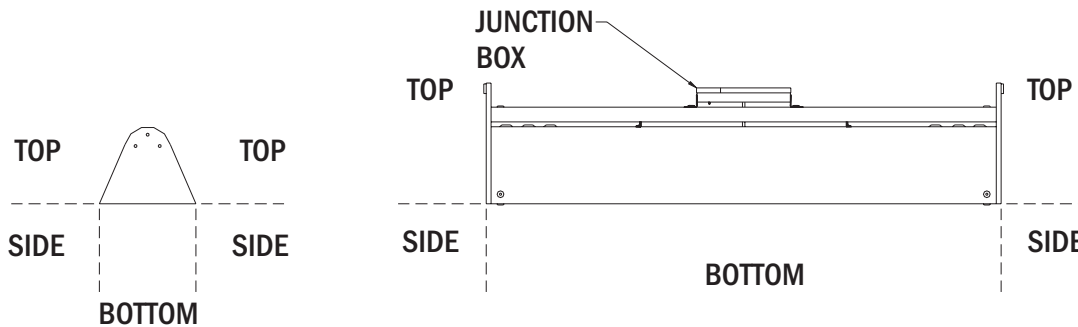


Read and understand all instructions carefully before attempting to install, operate or service the Radiant Heater. Failure to comply with instructions could result in personal injury and/or property damage. Retain instructions for future reference.

CAUTION: Disconnect appliance from electrical supply before attempting to service or install quartz heater. Heater must be wired by a qualified electrical installer. Check heater rating plate, element and electrical supply for correct voltage before installation.

PLEASE NOTE: Every precaution is taken in packing, however, rough handling will cause breakage, therefore examine tubes upon delivery and avoid later arbitration as responsibility for breakage. Any claims for damage or loss in transit must be filed with the carrier. The heater/element has a (1) one year limited warranty from date of purchase.

CLEARANCE TO COMBUSTIBLES



- TOP - 12 INCHES (30 cm)
- SIDES - 18 INCHES (46 cm)
- BOTTOM - 24 INCHES (61 cm)

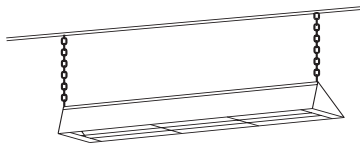
Clearances are measured from the radiant surface and/or heater bottom to the nearest combustible surface. It is essential that the position and angle of the installation avoids any possibility of curtains, draperies or other inflammable materials coming in contact with heater.

Space Heating: Mount bottom of heater 8 feet above grade or floor.

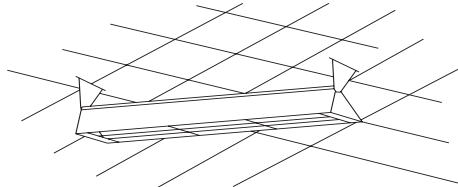
NOTE: Brooders are exempt from above grade or floor requirements, all clearances to combustibles must be maintained.

MOUNTING

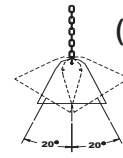
Holes in each end of the heater are used for either chain or bracket mounting. When chain mounting, the off-center holes may be used to adjust the mounting angle by 20°. Optional brackets are available for wall or ceiling surface mounting.



Chain Mounting

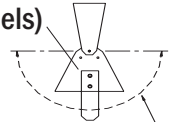


Ceiling or Wall Surface Mount



3 Positions Chain Mounting

Safety Leg (Brooder Models)



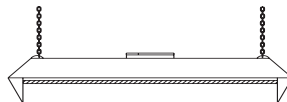
180° Range of Adjustment Bracket Mounting

NOTE: Brooder heaters are equipped with safety legs and must be removed from shipping position and reconnected so they project below the bottom of the heater.

IMPORTANT: "Quartz-Ray" heaters must be installed so that the length of the quartz tube runs horizontally (see diagram below). Off horizontal installations can cause the element to sag and short out. **DO NOT** install in a vertical position.



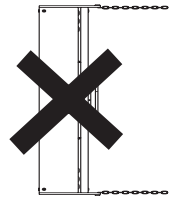
Install Level Like This



or Angle Like This Keeping Quartz Tube Horizontal



DO NOT Install So That Quartz Tube is Off Horizontal Like This

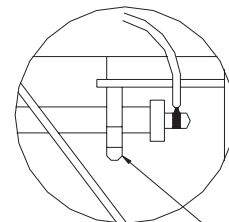
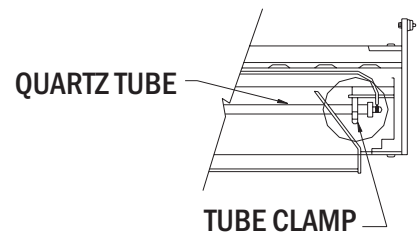
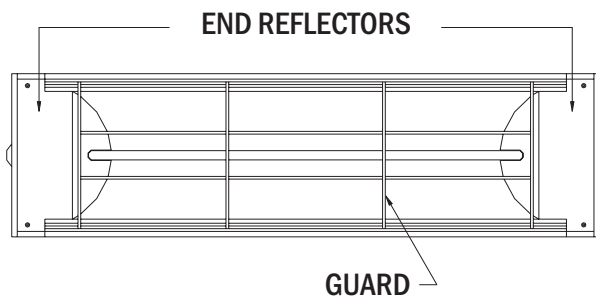


or This

QUARTZ TUBE INSTALLATION

Tubes are shipped separately and must be installed after installation of heating units. The following steps will facilitate installation:

1. **DO NOT** remove element from cardboard tubing by pulling on ceramic end cap.
2. **DO NOT** remove protective plastic from tube until installed. Tube covering is necessary to avoid finger marks.
3. Upon removal of the end reflectors and guard, the tube clamps and wiring terminals are exposed.
4. Press tube into position and attach wire terminals by removing nut and washer, slip on wire terminal, washer and nut, then tighten nut by holding ceramic end cap firmly.
5. **DO NOT** attempt to tighten nut unduly firm.
6. Remove plastic covering from tube - replace guard and end reflectors.



CLAMP IS ON QUARTZ TUBE & NOT THE CERAMIC END CAP

CLEANING

Disconnect heater from electrical supply and allow to cool before cleaning.
Clean quartz tube with soft cloth and methyl hydrate.
Periodic cleaning of reflector with a soft duster will ensure an efficient comfortable heat.

ELECTRICAL

The heater, when installed, must be electrically grounded in accordance with the Canadian Electrical Code C22.1 (latest edition).

Applications in Canada must conform to the Canadian Electrical Code C22.1 (latest edition) when an external electrical source is used.

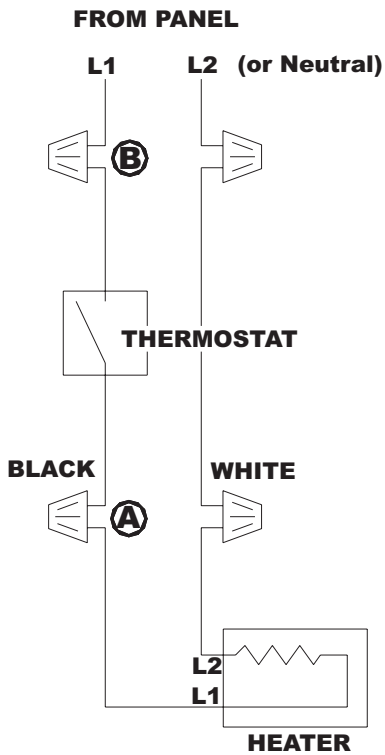
Applications in United States must conform to the National Electrical Code ANSI/NFPA 70 (latest edition).

Refer to rating label on heater for the required amperage rating.

Under no circumstance is the electrical supply line to the heater to provide any assistance in the suspension of the heater.

Neither the electrical supply line nor sprinkler heads shall be located within the minimum clearances to combustibles.

TYPICAL 120 volt INSTALLATION FOR
SINGLE LINE BREAK THERMOSTAT
Single Phase



TYPICAL 240, 208 volt INSTALLATION FOR
DOUBLE LINE BREAK THERMOSTAT
Single Phase

