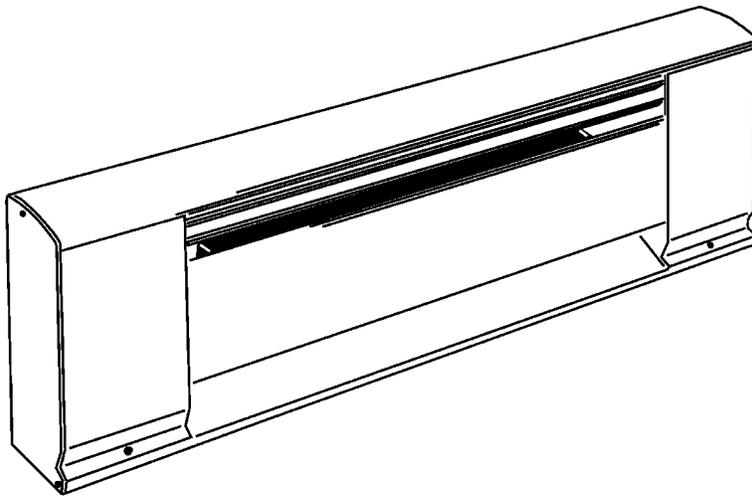


HYDRONIC BASEBOARD HEATER

Commercial / Residential



INSTALLATION INSTRUCTIONS



TPI Corporation
P.O. Box 4973
Johnson City, TN
37602-4973

America's Comfort Conditioning Company

LOCATION OF HEATER

Heaters should be located to provide a blanket of heat over the coldest wall of the room, preferably on a outside wall under a window.

CAUTIONS AND WARNING STATEMENTS

1. Wiring procedures and connections should be in accordance with national and local codes having jurisdiction. Note: all baseboards must be grounded in accordance with article 250 of the National Electrical Code.
2. Do not install baseboard heater below electrical convenience receptacles (outlets).
3. Do not install heaters against combustible low density cellulose fiberboard surfaces.
4. High temperatures are present at outlet air openings. Keep electrical cords, drapes and other furnishings or objects clear of these openings.
5. To reduce risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater.
6. Heaters are designed for surface mounting only. Do not recess the heaters into the wall.
7. Do not tamper with or remove the temperature limiting device.

ATTENTION: Read carefully before attempting to install, operate or service the Baseboard Heater. Retain these instructions for future reference.

RECOMMENDATIONS FOR DRAPE PLACEMENT NEAR BASEBOARD HEATER

1. Allow minimum clearance of 1" from drapes to ceiling and to top of floor covering to permit air circulation (Example 1, Figure 1).
2. Hang full length drapes to provide a minimum of 2" air space between heater front and nearest drape fold as shown in Example 1, Figure 1.
3. Hang short drapes to provide minimum of 6" clearance between bottom of drapes and top of heater, preferably more (Example 2, Figure 1).
4. Do not under any condition allow drapery to come in contact with heater. Some fabrics discolor in time from exposure sunlight or warm air. Check to make sure drapery material will not discolor, shrink, or stretch upon extended (1000 hour) exposure to temperatures of 200°F.

Heaters may be mounted directly to any floor surface, including carpeting. Wall to wall carpet (maximum thickness 3/4") may extend under or to the front of the baseboard heater. This is provided the flooring material does not obstruct air flow to the heater.

5. Do not install vinyl curtains, drapes or blinds above the heater as they may discolor or deform.

IMPORTANT: OWNER SHOULD RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

THE FOLLOWING STEPS SHOULD BE TAKEN FOR INSTALLATION

Verify input voltage and name plate voltage of heater for compatibility. Wiring can be done from either end of heater. A inside or outside corner section is available for right angle mounting of two baseboard heaters and allowance should be made for locating wiring. See Figure 2 for knockout locations.

MOUNTING AND WIRING

1. Position the heater in the required location preferably on an outside wall under a window.
2. Determine which end the power supply will enter the heater. (This heater can be wired from either end). Drill the appropriate hole into the wall or floor for the power supply, see Figure 2 for knockout locations. Make sure that the electrical power supply is disconnected at the circuit breaker panel.
3. Remove the wiring compartment cover. If the power supply is entering on the back of the heater remove the knockout, install the cable connector (not provided) and feed the wire through the connector. Leave about 6 inches of wire extending into the box for connection. If the power supply enters on the bottom of the heater, remove plug button from the bottom of the wiring compartment, install the cable connector (not provided) and feed the wire through the connector. Push any excess cable into the wall or floor.
4. Remove the front cover of the baseboard. The front cover is snapped on the element retainer brackets. Position the heater on the wall and determine the stud locations. Drill 3/16 inch holes in the rear enclosure using the drill guide, see Figure 2. Secure the heater to the wall with minimum #8 screws 1 inch long. Snug the heater up against the wall then back the screws off about 1/2 inch to allow for expansion. If a stud is not available use the appropriate fastener such as toggle bolts or molly screw anchors for hollow walls or screws and anchors for masonry walls.
5. Replace the front cover by snapping it over the element retaining brackets.

6. Remove the wire nut in the wiring compartment and connect the power supply as shown in the wiring diagrams, Figure 3. If you are using one of the field installed accessories, refer to the wiring diagram provided with the accessory.
7. Replace the wiring compartment cover and restore power to the circuit. Turn the thermostat up and wait 2-3 minutes to see if the heater is operating properly. If the heater is not operating disconnect the power at the circuit breaker box and check wiring.

CLEANING INSTRUCTIONS

At the beginning of each heating season, it is recommended that heaters be cleaned to eliminate any accumulation of dust or lint. Before cleaning, make sure the power is OFF at the circuit breaker panel and the heating element cool. Do not remove front cover during cleaning. Use the narrow suction attachment of the vacuum cleaner and move from end to end and above and below fins and cabinet. When cleaning is complete, turn power ON.

IN CASE OF PRODUCT FAILURE: It is the obligation of the owner to furnish to the company within the designated warranty period, the following information:

1. Model number and date of manufacture of product involved and date of purchase.
2. Complete description of the problem encountered with product. Upon receipt of the above, the company will reply to the owner within a period not to exceed fifteen (15) working days, the action to be taken by owner. When requested, it shall be the obligation of the owner to return the defective part to the company within thirty (30) days after its removal, or otherwise to follow instruction from the company. Return parts to the appropriate service center.

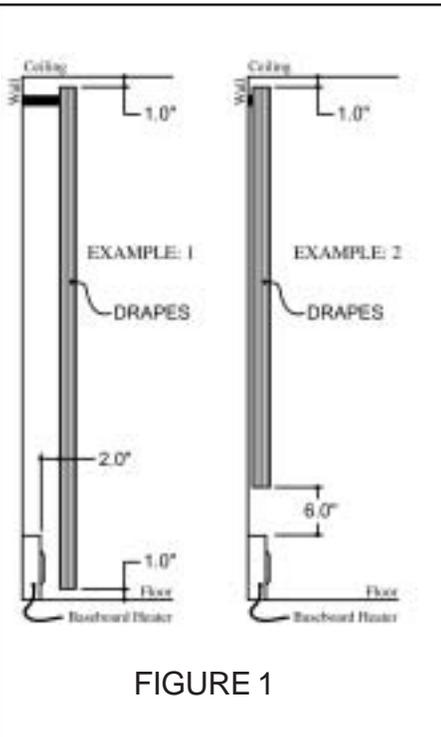


FIGURE 1

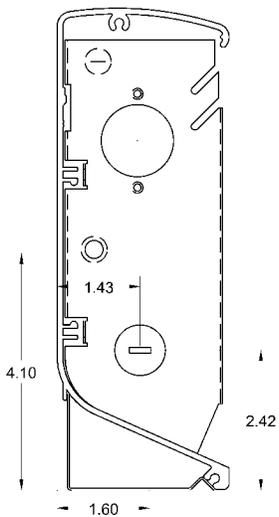
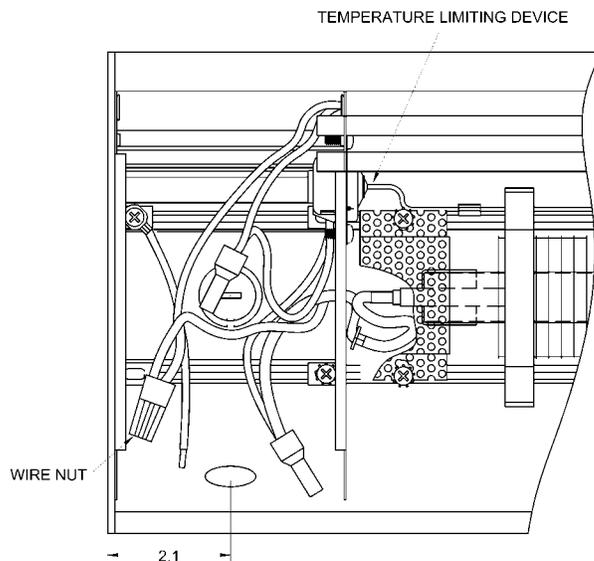
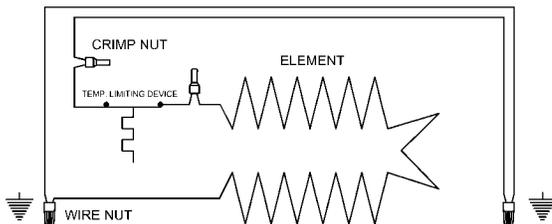


FIGURE 2



WIRING DIAGRAM



MULTIPLE UNIT WIRING

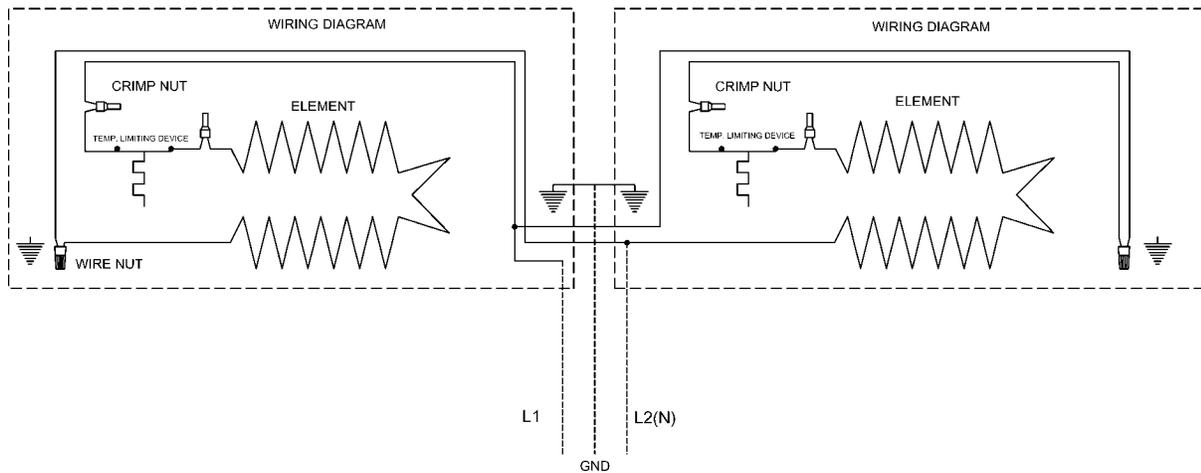


FIGURE 3