

INSTALLATION INSTRUCTIONS

These installation instructions are for use with HTS Self-Regulating heater products: For LXR & MXR Series.

For technical support call HTS.

DESCRIPTION

The monitor light kit provides a means for monitoring the continuity of Self-Regulating (SR) and Constant Power Density (CPD) heaters. The kit contains necessary components to connect a heater to the light and mount the monitor light unit onto a pipe. The kit is Factory Mutual approved for use in Ordinary and Classified (CID2, Groups B, C, and D; CIID2, Groups F and G; and CIID2) areas.

PARTS LIST

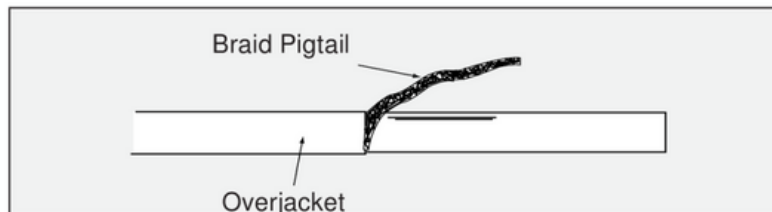
Description	Quantity
Lamp Unit with Bulb	1
Connection Box	1
Box Cover with Lens	1
Connection Nipple	1
16-14 AWG Insulated Butt Connectors	2
Lead Wires	2
Roll of Self-Fusing Tape	1
Roll of Fiberglass Tape	1
Silicone Sealant	1
Pipe Strap (for 2" to 6" OD Pipe)	2
Ring Tongue Terminal	1
Ground Screw	1
Caution Label	1
Instruction Sheet	1

REQUIRED TOOLS

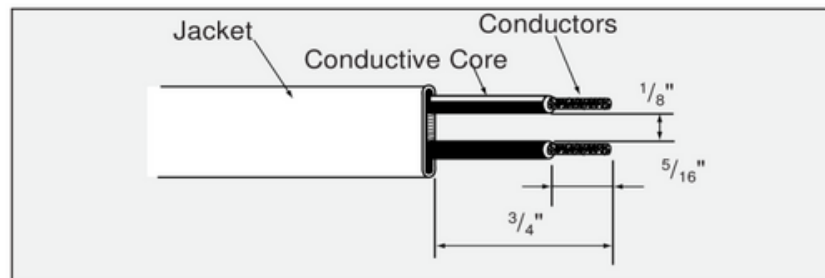
Crimping Tool
Flat Head Screwdriver
Wire Cutter
Diagonal Cutting Pliers
Razor Blade or Utility Knife
Measuring Tape

GENERAL INSTALLATION INSTRUCTIONS

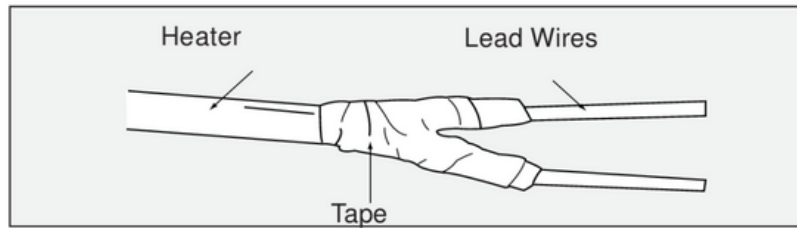
1. For heater with a braid and over jacket: Score and remove the over jacket (6" for SR; 12" CPD) to expose the braid. (For CPD heater, make sure there is not a heater grid connection in the last 6" of heater.) Remove all but 2" of exposed braid. Unravel and twist the remaining 2" of braid into a pigtail.
2. For heater with a braid only: Remove 4" of braid for SR heaters or 10" of braid for CPD heaters. (For CPD heater, make sure there is not a heater grid connection in the last 6" of heater.) Then unravel and twist 2" of braid into pigtail.



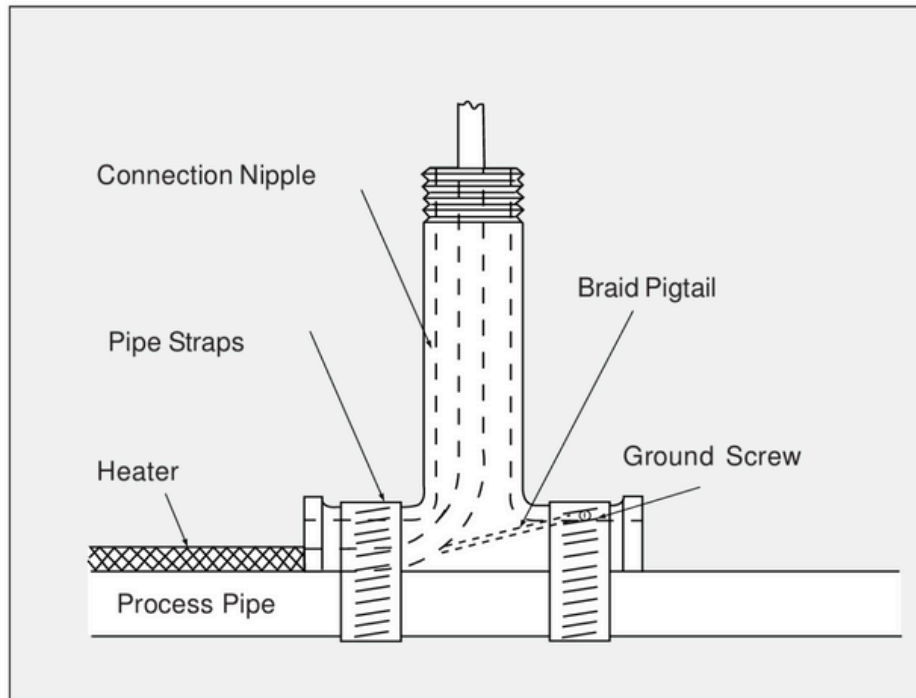
3. For self-regulating heaters:
 - a. Remove 3/4" of the heater jacket, exposing the black conductive core. Cut out a strip of core material about 1/8" wide by 3/4" long from the center of the heater. Remove 5/16" of core material from each conductor, being careful not to cut the conductor strands.
 - b. Strip 5/16" of insulation from each lead wire and connect a lead wire to each of the heater conductors using the insulated butt connectors. Wrap each connection and heater conductor with the silicone self-fusing tape, making sure to completely cover all exposed black core material and to overlap the heater jacket. Wrap over the self-fusing tape with fiberglass tape.



4. For CPD heater: Remove 6" of jacket, nichrome heating wire and inner jacket, exposing the insulated conductors. Be sure that a bare grid connection point is not exposed. The insulated conductors will serve as lead wires.



5. Screw the box onto the connection nipple. Guide the lead wires and heater through the connection nipple and into the box so that the heater-to-lead connection is inside the box. Attach the ring tongue terminal to the braid pigtail and fasten to the nipple using the grounding screw. Mount the connection nipple on the pipe using pipe straps.



6. Connect the lead wires to the screws on the light fixture. Fill the connection nipple with the silicone sealant. Stow any excess lead wire in the box and mount the light fixture into the box. Attach the box cover to the box and attach the caution label to cover. For the covers which have 2 mounting holes that are not used for the light assembly, place a small amount of silicone into and over the holes to seal out any moisture.

