

## Installation Instructions

INDEECO Heat Trace Monitor Light Kits  
LESA-1 (120 VAC) and LESA-2 (240 VAC)

(For use with MSR, LSR & CRG Families of Self-Regulating Heaters)

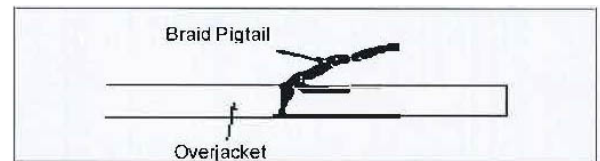
### Description

The monitor light kit provides a means for monitoring the continuity of Self-Regulating (SR) 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 (Class I Div2, Groups B, C and D; Class II Div2, Groups F and G; and Class III Div2) areas.

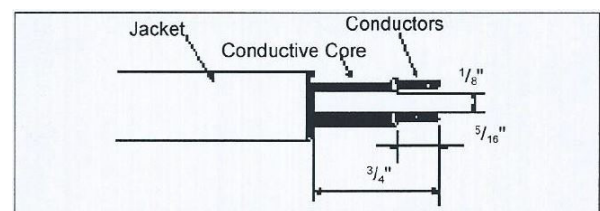
PARTS LIST	
Kit Contents:	
Quantity	Description
1	lamp Unit with Bulb
1	Connection Box
1	Box Cover with Lens
1	Connection Nipple
2	16-14 AWG Insulated Butt Connectors
2	Lead Wires
1	Roll of Self-Fusing Tape
1	Roll of Fiberglass Tape
1	Silicone Sealant
2	Pipe Strap (for 2" to 6" O.D. Pipes)
1	Ring Tongue Terminal
1	Ground Screw
1	Caution Label
1	Instruction Sheet

### Instructions

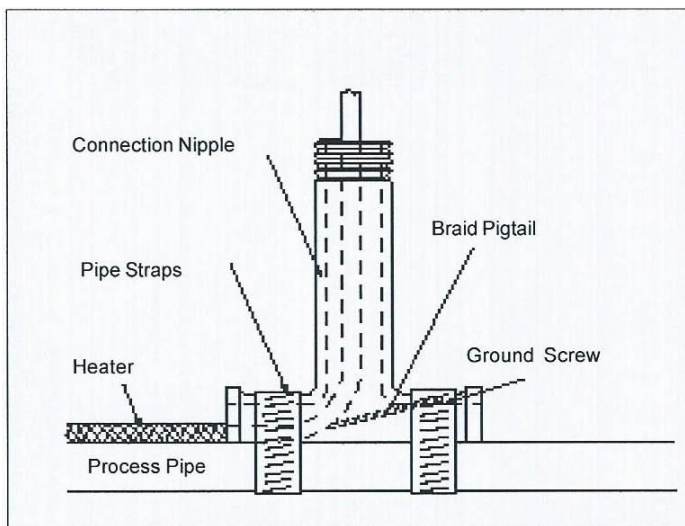
1. For heater with a braid and overjacket: Score and remove the overjacket (6" for SR) to expose the braid. Remove all but 2" of exposed braid. Unravel and twist the remaining 2" of braid into a pigtail.
2. For heater with a braid only: Remove 4" of braid for SR heaters. Then unravel and twist 2" of braid into a 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. 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 the pipe straps.



5. 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 the cover.

