

# NELSON™ HEAT TRACING SYSTEMS

## ALT-LP POWER CONNECTION KIT WITHOUT ENCLOSURE

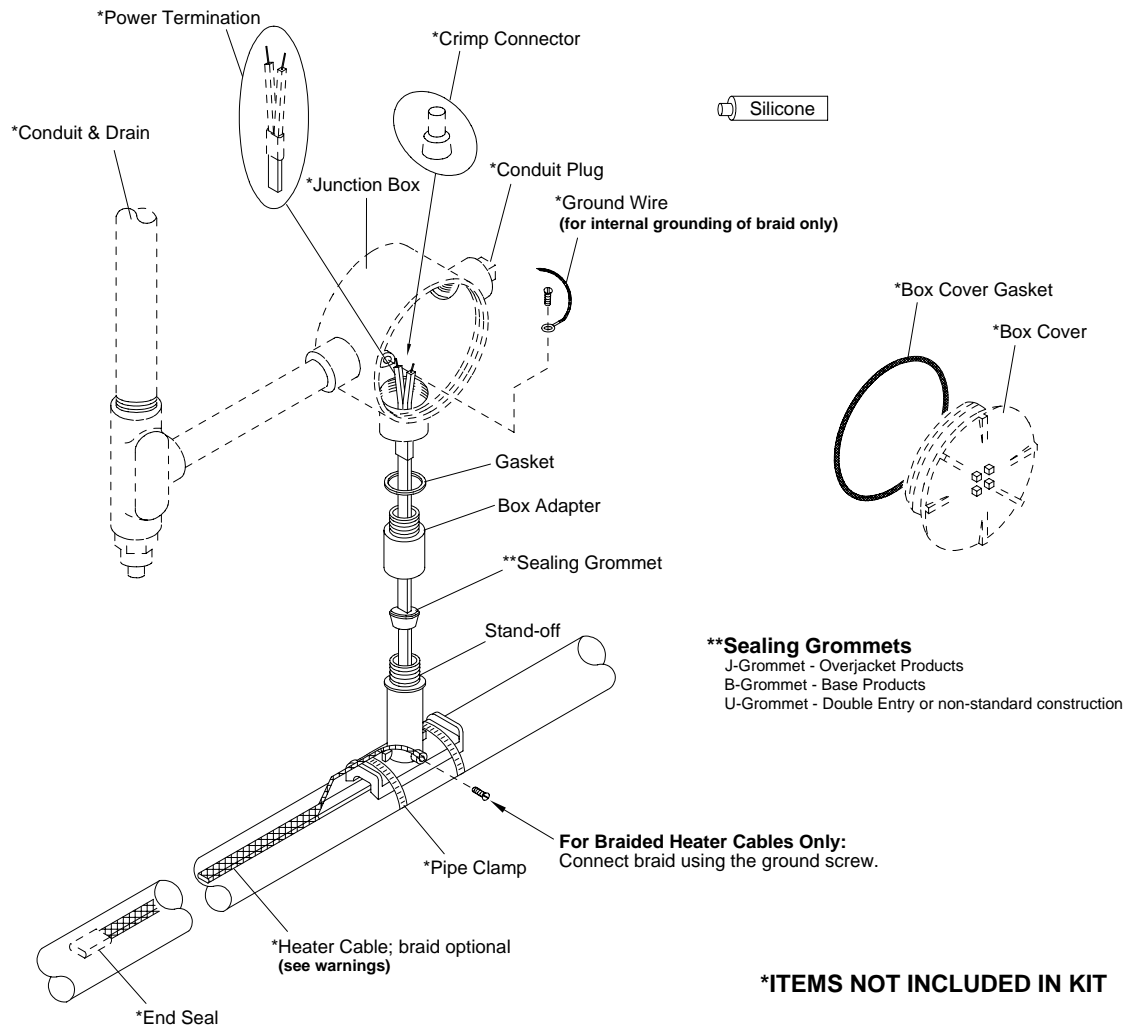
## INSTALLATION INSTRUCTIONS

### DESCRIPTION

The ALT-LP Power Connection Kit without Enclosure is constructed of cast aluminum for use with all versions of Nelson Heat Tracing Systems' LT, HLT & NC heater cables. Compatible for use with any vendor's heater cables smaller than 11mm (0.44") diameter.

### KIT CONTENTS

|                   |                    |
|-------------------|--------------------|
| 1 Sealing Grommet | 1 Gasket           |
| 1 Stand-off       | 1 Tube of Silicone |
| 1 Ground Screw    | 1 Box Adapter      |
| 1 Conduit Locknut |                    |



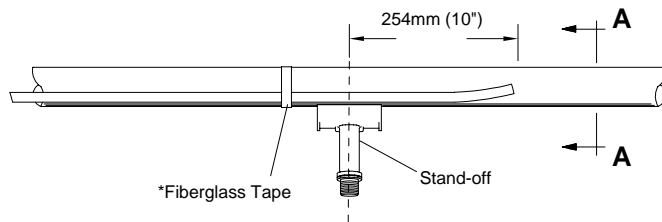
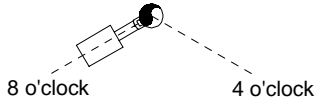
**Note:** This detail shows external grounding of braid. For internal grounding of braid (*overjacket products*), connect to ground screw inside of junction box.

### ⚠ WARNINGS:

- Canadian Div. 2 Hazardous installations must use internal ground connection of braid.
- Article 427 of the National Electric Code requires that all heaters shall have metal coverings and be provided with branch circuit ground-fault protection.
- If nuisance tripping of ground fault breakers occurs due to condensation in junction box, electrical connections should be moisture proofed by use of a coating or sealant.

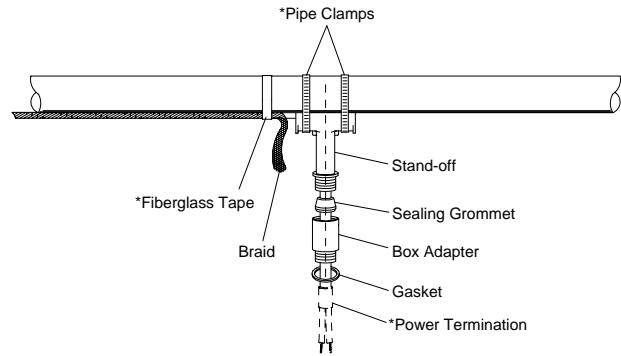
**STAND-OFF POSITIONING**

**Section View A A**  
(recommend installing at the  
4 or 8 o'clock positions)



**⚠ WARNING:**

**Do not place pipe clamps  
over the heater cable.**



**\*ITEMS NOT INCLUDED IN KIT.**

- 1 Mark pipe where stand-off will be mounted.
- 2 **For External Braid Connection - CB Products only:**
  - Remove braid from heater cables, back to the point the cables leave the pipe.
  - Proceed to step 3 below.
- 3 **For Internal Braid Connection - CB, J or JT Products:**
  - Proceed to step 3 below.
- 3 Push heater cable through the bottom opening of stand-off.
- 4 Place stand-off on pipe and fasten with pipe clamps.
- 5 Slide the sealing grommet over heater cable and position inside stand-off opening.
- 6 Apply silicone around the cable on top of the sealing grommet and fill any voids in sealing grommet.
- 7 Prepare heater cable for power termination using an approved termination kit.

Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at [www.nelsonheaters.com](http://www.nelsonheaters.com).