

NELSON™ HEAT TRACING SYSTEMS

ALT-LP POWER CONNECTION KIT WITHOUT ENCLOSURE

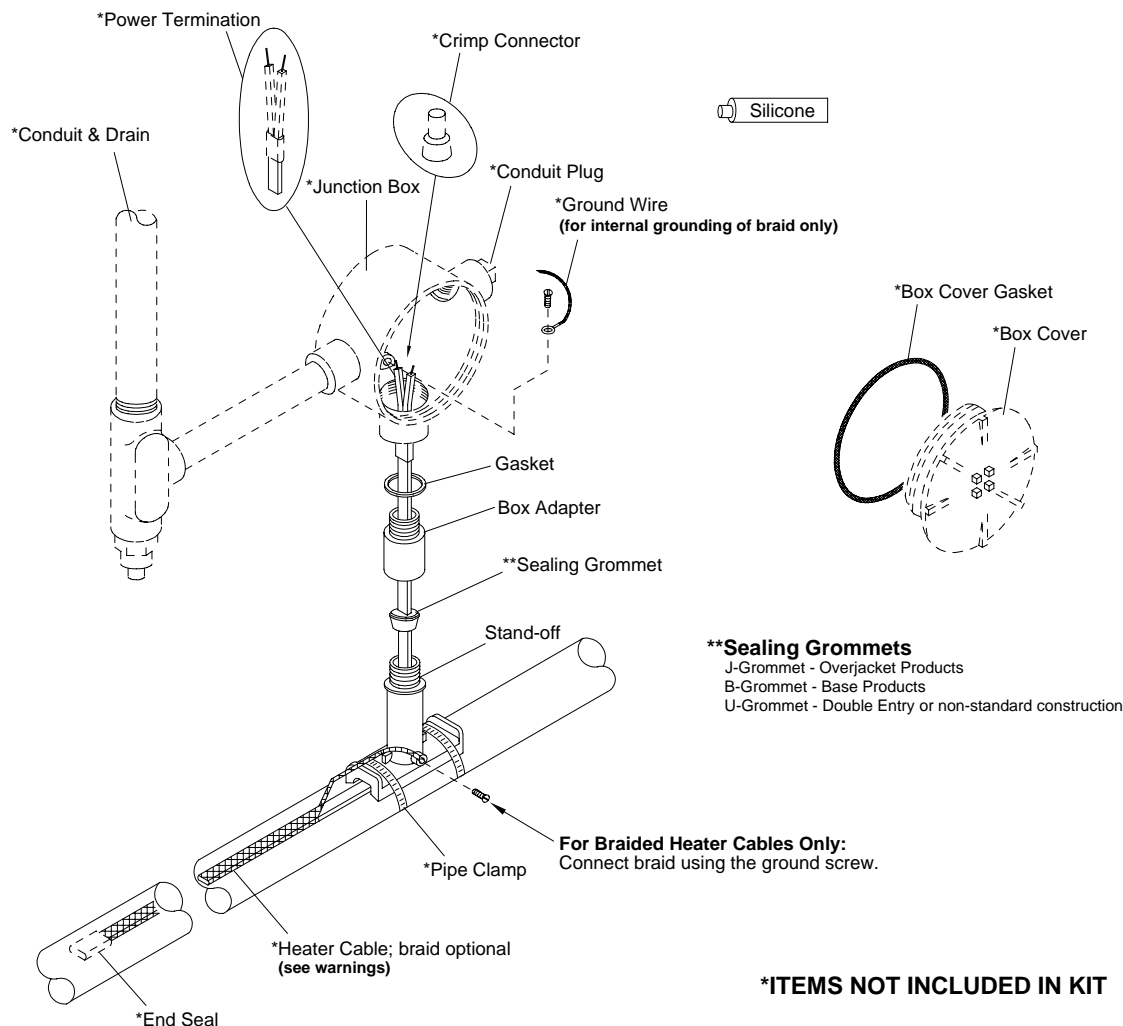
INSTALLATION INSTRUCTIONS

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	



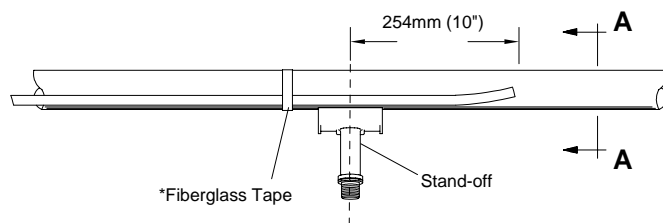
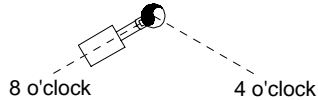
Note: This detail shows external grounding of braid. For internal grounding of braid (*overjacket products*), connect to ground screw inside of junction box.

⚠ WARNINGS:

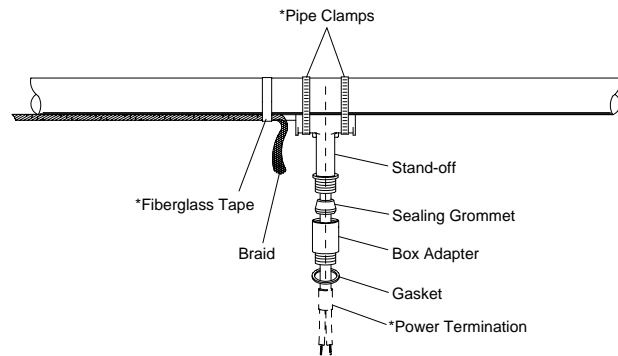
- Canadian Div. 2 Hazardous installations must use internal ground connection of braid.
- Article 427 of the National Electric Code requires that all heaters shall have metal coverings and be provided with branch circuit ground-fault protection.
- If nuisance tripping of ground fault breakers occurs 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.**

- ➊ Mark pipe where stand-off will be mounted.
- ➋ **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.
- For Internal Braid Connection - CB, J or JT Products:**
 - Proceed to step 3 below.
- ➌ Push heater cable through the bottom opening of stand-off.
- ➍ Place stand-off on pipe and fasten with pipe clamps.
- ➎ Slide the sealing grommet over heater cable and position inside stand-off opening.
- ➏ Apply silicone around the cable on top of the sealing grommet and fill any voids in sealing grommet.
- ➐ 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.