

**INSTALLATION NOTE**



TII 317

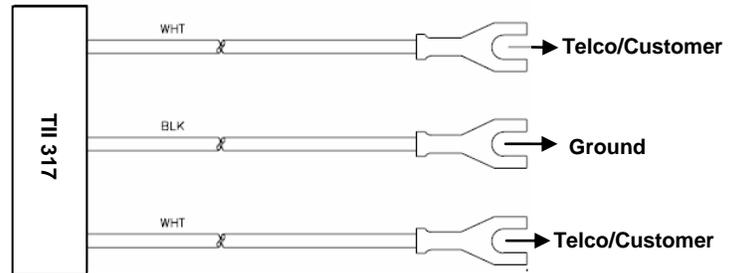


Figure 1

**1. GENERAL**

- 1.1 The TII 317 Series Surge arrester modules contain a three electrode gas tube engineered to protect equipment from lightning and induced surges.
- 1.2 Recommended for use on control circuits, buried cable and other specialized communication links.

**National Electric Code Requirement:** The protector shall be installed per National Electric Code ANSI/NFPA 70, Article 800, Section C, and shall meet all applicable local safety codes.

**2. WARRANTY**

2.1 See TII Warranty. If this unit fails during the warranty period, the factory should be requested to authorize return. Return the unit prepaid when authorization is received. Units that fail due to abuse or normal wear should be discarded.

**3. INSTALLATION**

- 3.1 Remove the TII 317 and inspect it for damage. If damaged, obtain another unit.
- 3.2 Three spade tip leads facilitate connection to binding post terminals, using up to #10 screws.
- 3.3 The two outer leads are connected across the two-wire circuit being protected, and the center lead to ground. See Figure 1 for connections.

- 3.4 Loosen the nut on the appropriate ground stud and slide the ground spade lug of the surge protector module under the nut and washer and tighten down the nut.
- 3.5 Terminate the Telco Side cable (i.e., aerial or buried drop) in between the bottom set of washers and bottom nut of the appropriate stud (one conductor to Tip and one to Ring). Tighten down the nut.
- 3.6 Terminate the Customer Side cable under the top set of washers and the top nut of the appropriate stud (one conductor to Tip and one to Ring). Tighten down the nut.

**4. PRECAUTION**

- 4.1 When clearing trouble on a line that contains gas tube protector modules, and when the test board has indicated that there may still be a power contact, inspect the non-cable portion of the line from the ground for any power contacts or evidence of damage from power contacts.
- 4.2 Special care should be taken in making the inspections where the line runs through trees or where visibility is limited.
- 4.3 If a power contact is found, notify the proper authority so it may be corrected.
- 4.4 Do not work on the line until the power contact has been cleared.
- 4.5 If no contact is found but the test board still have indications of a power contact, wear insulating gloves while working with the test board to clear the line.