

INSTALLATION NOTE



1. GENERAL

- The TII Total Failsafe® TFS® Station Protectors consist of a mounting base, protector module, grommet, and fitted cover with nylon fastening nut.
- The plastic base is molded with two shallow rectangular wells, one above and one below the ground stud / binding post (Figure 1) and mounting holes designed to fit existing protector mounting holes when changing station protectors.
- The number of protectors that can be connected to various size copper-insulated ground wires is listed in Table A below.

TABLE A
Ground Wire Capacity

Wire Size (AWG)	No. of Primary Protectors
12	1 to 2
10	3 to 5
6	6 or more

- 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. INSTALLATION

Precautions

- Mount the station protector so as to minimize the possibility of dirt or moisture getting into the protector.
- Station protectors mounted side-by-side or end-to-end should be placed so covers can be easily removed. The cover is furnished with a nylon retention nut which secures the cover to the base (Figure 1). The cover is secured or removed by using a 3/8" terminal wrench.
- Where protection for multiple services is required, it is recommended that a protected building terminal in an interior terminal box be installed in place of station protectors.

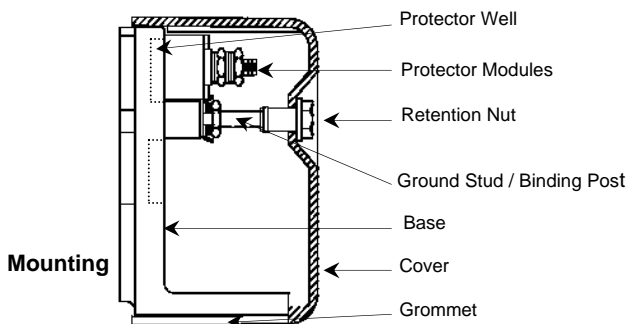


Figure 1

- Mount the station protector vertically on a flat surface using appropriate hardware (the length of the mounting screws should allow for 1/8" of length within the protector).
- The mounting holes are covered with a thin film of plastic, easily punched out, to maintain the environmental integrity of the protector (Figure 2).

Two Pair Wiring Scheme
Station Protector Housing
(Cover Removed)

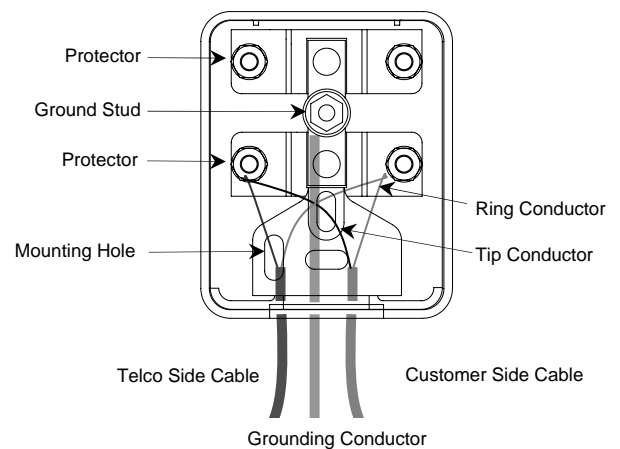


Figure 2

Wiring

- Insert the grounding conductor, the customer side cable and the telco side cable through the grommet located in the center of the base lip.
- Terminate one end of the grounding conductor (No. 6 AWG) on the ground stud / binding post and the other end to an appropriate ground source (Figure 3).
- Terminate the Telco Side cable in between the bottom set of washer and bottom nut of the appropriate stud (one conductor to Tip and one to Ring) and tighten down (Figure 3).
- 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) and tighten down (Figure 3).
- Loop back unused station wire conductors and coil around the station wire jacket or store in such a manner as to prevent them from coming in contact with protector terminals or bare wires.

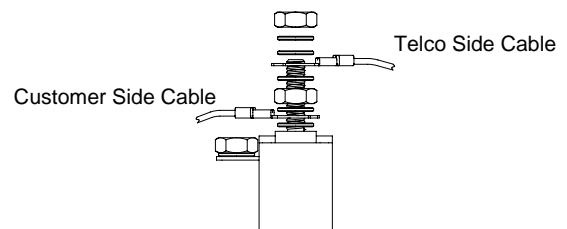


Figure 3