P/N 92233601 • Rev B • ECN 10-110 • 6/24/2010

Warranty: *If this unit fails during the warranty period, contact tii customer service to authorize return. Unit may be returned prepaid.*

tii network technologies

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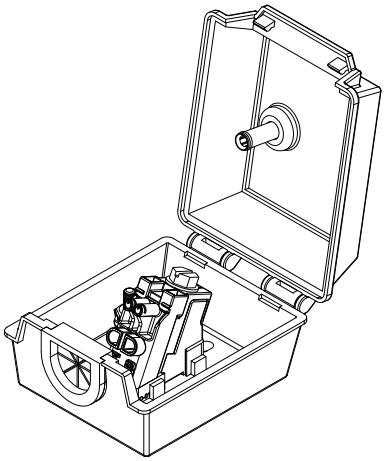

Model: 315-90-1, 315-90-1G
Station Protector

Installation Note

Description

1. The TII 315-90-1 & 315-90-1G is a Station Protector which consists of an AD-06L-LP2 Surge Protector Module in a 315 Protector Enclosure with a molded in ground stud.
2. The 315 Protector Enclosure has a removable grommet located in the center of the base lip to allow Telco cable, customer cable and grounding conductor penetration (See Figure 1).
3. The TII AD-06L-LP2 Station Protector Module provides one upper and one lower port per line for ease of wiring and termination. It is equipped with a universal grounding and mounting tab.
4. All ports utilize tool-less IDC rockers. The upper ports accept 22-26 awg wire, the lower ports terminate 18.5 ”F” drop - 24 awg wire. Both ports are terminated by the driver bolt mechanism.
5. The tii AD-06L-LP2 modules are equipped with integral sealed test points for ease of troubleshooting.

Features

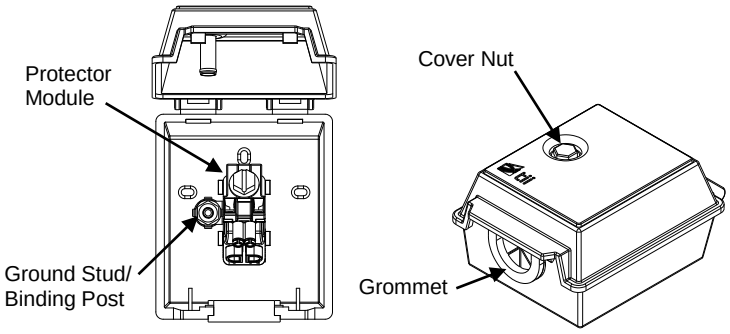

Figure 1

Installation

1. Mount the station protector so as to minimize the possibility of dirt or moisture getting into the protector.
2. Station protectors mounted side-by-side or end-to-end should be placed so covers can be easily removed.
3. 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.
4. 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).
5. The mounting holes are covered with a thin film of plastic, easily punched out, to maintain the environmental integrity of the protector (See Figure 2).

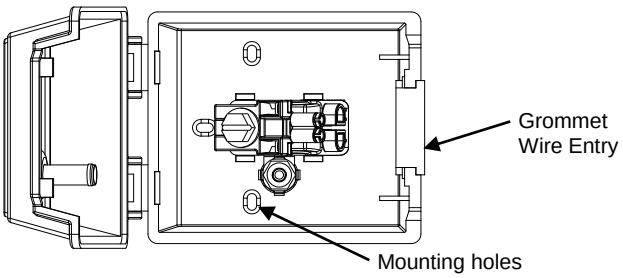

Figure 2

Wiring

1. The two upper ports of the Angle Driver are intended to terminate subscriber (customer) wires. Telco drop (feeder) wires must be terminated in the two lower ports of the Angle Driver.
2. Do not strip wire insulation. Make certain wire ends are cut flush with insulation.
3. Unscrew Angle Driver screw to the full upright position.
4. Fully insert the two subscriber wires into their respective tip and ring (color-coded) ports.
5. Insert while holding the two subscriber connection wires in place. **Ensure wires are fully inserted beyond the IDC connector (See Figure 7)**. Tighten Drive Screw to the full down position. **Pull on wires to ensure proper connection. Wires should remain securely in place.**
6. Dress the wires through the strain relief slots to hold them in place (See Figure 3).

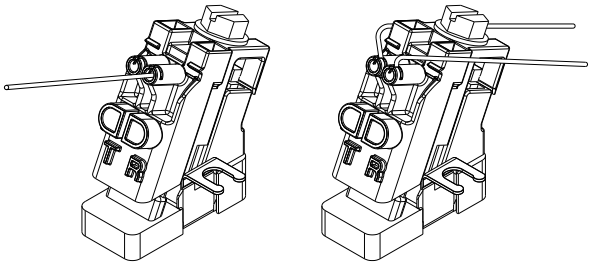

Figure 3

Lower Port Telco Connections (See Figure 4)

1. Do not strip wire insulation. Make certain wire ends are cut flush with insulation.
2. Unscrew Angle Driver screw to full upright position.
3. Fully insert the two feeder (telco) wires into their respective tip and ring (color-coded) ports. **Ensure wires are fully inserted beyond the IDC connector (See Figure 7).**
4. While holding the two telco wires in place, tighten Drive Screw to full down position. **Pull on wires to ensure proper connection. Wires should remain securely in place.**

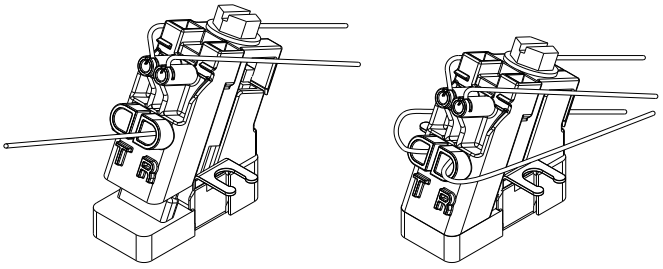

Figure 4

5. Terminate one end of the grounding conductor on the ground stud / binding post and the other end to an appropriate ground source.

Testing

1. Feeder and subscriber wires must be segregated between the upper and lower ports to facilitate isolation testing (See Figure 5).

Upper and Lower Port Connected

1. With Driver in the fully closed position, insert test clips into tip/ring test port access holes located at top of driver. Perform customary tests.

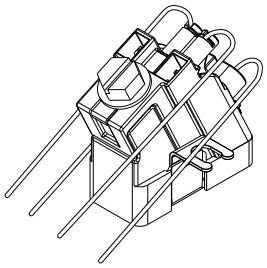

Figure 5

Testing Subscriber Connections

1. Loosen drive screw so driver is in the full upright position.
2. Remove telco wires from lower ports of driver.
3. Tighten drive screw so driver is in the full down position.
4. With Driver in the fully closed position, insert test clips into tip/ring test port access holes located at top of driver. Perform customary tests.

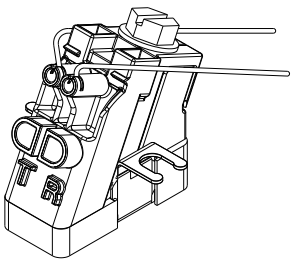

Figure 6

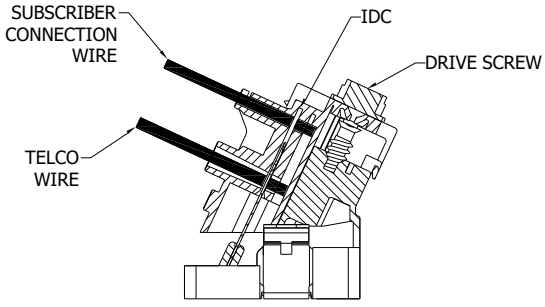

Figure 7