

INSTALLATION NOTE

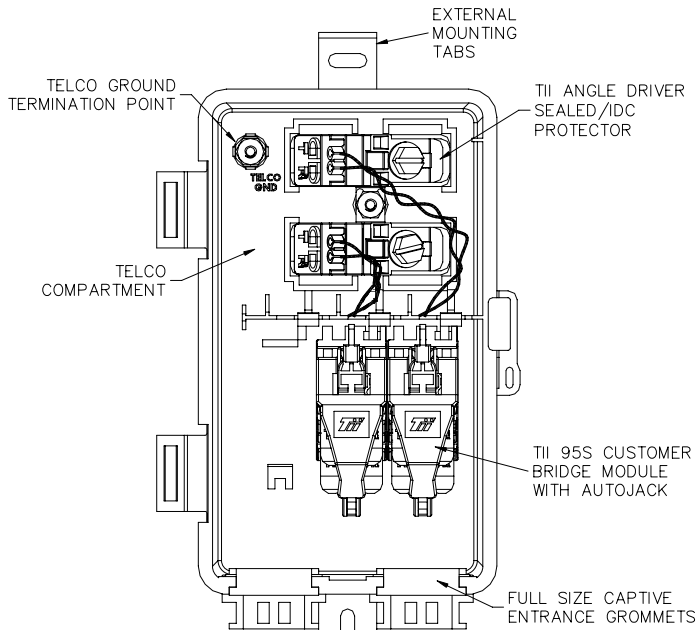


Figure 1

1.00 GENERAL

- 1.01 The TII 5100 Series Network Interface Device (NID) provides an environmentally sealed demarcation point between the telephone service provider network and the subscriber's telephone wires. The NID may contain gel sealed station protectors (TII Angle Drivers), or other primary station protectors like TII 356, TII 127, etc., and sealed subscriber bridges (TII 95 Series). These primary surge protection modules provide primary electrical protection for subscribers. The TII 95 Series provides subscriber connections and a demarcation test access point.
- 1.02 Each Angle Driver module can connect one pair of 18-24 AWG (1.02-0.51mm) central office (c.o.) wire and two pair of 22-26 AWG (0.65-0.4mm) subscriber bridge wires. Each can make up to four subscriber extension lines connections which will automatically disconnect when the customer uses the RJ-11 port for testing. Connections are created with insulation displacement connection (IDC) blades and are environmentally sealed.
- 1.03 The NID's housing is constructed from rugged, heat and solvent resistant, UV stabilized materials.

2.00 CAUTIONS AND WARNINGS

- Use company-approved safety practices and equipment.

- Only solid conductors can be used for connecting to the Angel Driver and the TII 95S Series Subscriber Bridges; **Do Not Use Stranded Wire.**
- Stranded or solid wires can be used on binding post termination primary protectors.
- Do not strip insulation from conductors when terminating to an IDC connector.
- If the hook up wire, OSP wire, or central office cable is physically larger than 22 AWG, a fusing conductor of 22 AWG or smaller solid copper wire with thermoplastic insulation must be used. Install the fuse link per local practices and approval agencies.
- This installation note may be used for binding post terminating primary protectors

3.00 INSTALLATION

- 3.01 Open the front cover for easier access to the mounting tabs (Figure 1).
 - 3.02 To mount to wooden pole or wall, install two screws through the slots in the housing mounting tabs. Secure them to the required service.
- Prepare and Route Cables, Grounding***
- 3.03 Route the central office (c.o.) wire into the housing through the left grommet.
 - 3.04 Remove the outer sheath from cable, exposing conductors.
 - 3.05 Secure the c.o. wire in place by installing a tie wrap through the slotted clamp below the grommet. Tighten the tie wrap to secure the cable to the slotted clamp.
 - 3.06 If the cable is shielded, remove 1" of sheath and attach the ground lug to the shield.
 - 3.07 Route the subscriber wire into the housing through the right grommet.
 - 3.08 Strip the outer jacket insulation from the subscriber wire, exposing the insulated conductors.
 - 3.09 Secure the subscriber wire in place by installing a tie wrap through the slotted clamp below the grommet. Tighten the tie wrap to secure the wire to the slotted clamp.