

INSTALLATION NOTE



TII 325-1LM-NIZS



TII 320-71-NIZS

GENERAL

- a) This installation note covers the description and installation of the TII 325 NIZ, 326 NIZ, 126 NIZ and the 320 NIZ hereafter referred to as the unit. This product is designed to combine a single pair TII 325, 326, 126, or 320 Station Protector with a single pair Network Interface Device.
- b) The unit is furnished complete with a mounting base, an RJ-11 interface jack and plug, customer wiring bridge, retaining nut, cover, and normally a protector module / angle driver. The unit may also be furnished with an optional ringer termination circuit.

1. WARRANTY

- a) See TII Warranty. If this unit fails during the warranty period, the factory should be requested to authorize return. Return the unit prepaid. Units that fail due to normal wear or abuse should be discarded.

2. DESCRIPTION

- a) The unit is an adaptation of the TII 325, 326, and 320 series single pair Station Protector. The standard cover of those products is replaced by a cover assembly that isolates the telco wiring and station protector from the customer. The RJ-11 plug and jack are supplied with weather resistant grommets.
- b) The cover assembly is held in place with a sturdy nylon nut. The unit has a hinged, side opening cover, complete with a provision for a security seal. Testing instructions are provided inside the cover.
- c) The product is furnished complete and requires no special tools for installation.

3. INSTALLATION WITHOUT STATION ELECTRONICS

- a) Remove the unit from the carton and inspect it carefully for damage. If the unit is damaged, obtain another.
- b) Open the hinged door on the face of the unit and unplug the modular plug from the jack (See Figure 1).
- c) Remove the cover assembly from the base by loosening the nylon cover nut and then pulling the cover assembly away from the base (See Figure 1).
- d) To mount the protector base, select the desired hole pattern and knock out the plastic web over the holes with a screwdriver. Position the base to the mounting surface and attach it with appropriate hardware.
- e) Connect a proper station protector ground to the molded-in ground stud using locally approved grounding methods.

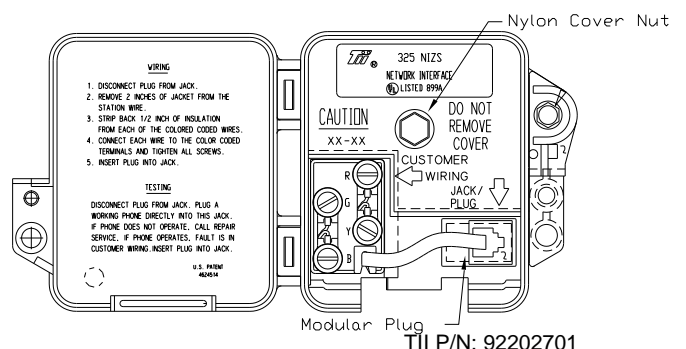


Figure 1

4.1 STATION PROTECTOR WIRING

(If equipped with binding post protection)

- a) Connect the drop wire to the Tip and Ring of the protector module, placing the wire under the bottom nut on each stud for station protector module (See Figure 2).
- b) Turn the cover assembly over and locate the spade tipped red and green conductors that are attached to the modular jack. Connect them to the Ring and Tip binding posts of the protector module respectively.

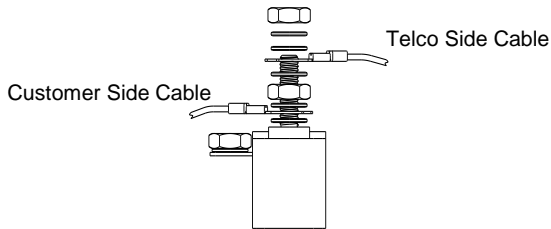


Figure 2

- c) Inspect the ground wire and drop wire connections.
- d) See 4.2.3 Final Installation Steps

4.2 STATION PROTECTOR WIRING

(If equipped with angle driver)

4.2.1 Upper Port Subscriber Connections

- a) Turn the cover assembly over and Cut spade lugs from Red and Green conductors that are attached to the modular jack.
- b) Do not strip wire insulation. Make certain wire ends are cut flush with insulation.
- c) Unscrew Angle Driver screw to full upright position.
- d) Fully insert the two wires into their respective Tip and Ring (color-coded) ports.
- e) While holding the two Customer side wires in place tighten Drive Screw to full down position.

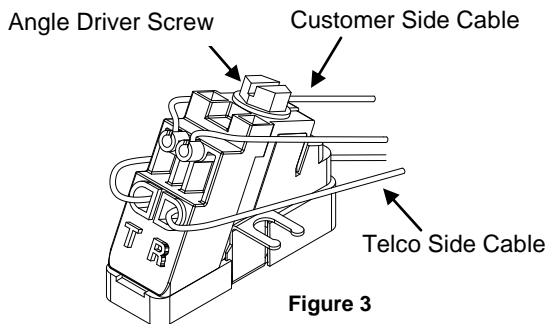


Figure 3

4.2.2 Lower Port Telco Connections

- a) Do not strip wire insulation. Make certain wire ends are cut flush with insulation.
- b) Unscrew Angle Driver screw to full upright position.
- c) Fully insert the two wires into their respective Tip and Ring (color-coded) ports.

- d) While holding the two Telco wires in place tighten Drive Screw to full down position.
- e) See 4.2.3 Final Installation Steps.

4.2.3 Final Installation Steps

- a) Locate the yellow and black conductors also attached to the modular jack and insulate them with a short piece of tape. Dress them to the side so as not to interfere with the working of the unit. (The yellow and black wires may also be terminated on the protector ground post if desired.)
- b) Carefully fit the cover assembly onto the base of the protector, ensuring that no loose ends or other wire pieces are protruding between the cover and base.
- c) Locate the ground stud with the nylon nut of the cover and screw it down until the cover is fitted snugly to the base.
- d) Carefully place the station wire in the lip of the grommet and terminate the conductors on the customer wiring bridge. Inspect for shorts and broken wires.
- e) Insert the modular plug into the modular jack and close the hinged door.

4. INSTALLATION WITH STATION ELECTRONICS

- a) **Follow steps 4a -4e** then proceed to next step.
- b) Terminate the Tip-in and Ring-in leads of the electronics assembly onto the protector module binding posts or angle driver termination, and ground stud if required.
- c) Take a short piece of station wire and connect the red and green conductors respectively to the Ring-out and Tip-out terminals of the station electronics assembly.
- d) Run this wire to the protector or angle driver and dress the end into the protector. Remove a portion of the jacket and prepare the red and green conductors to be spliced to the spade tipped red and green conductors of the cover assembly of the unit.
- e) Locate the red and green spade tipped conductors attached to the modular jack and cut off the spade tips.
- f) Using a Scotch-Loc or B wire connector, or some other splicing device, splice the red conductor from the Ring-out of the electronics assembly to the red conductor attached to the modular jack. Splice the green conductor from the Tip-out of the electronics assembly to the green conductor attached to the modular jack.
- g) Dress all loops and extra conductors neatly inside the protector and carefully fit the cover assembly onto the base of the protector. (The yellow and black wires from the modular jack may be insulated and taped back, or terminated on the protector ground post.)
- h) Complete installation by following steps 4.2.3 (c-e).

5. TESTING

- a) When the installation of the unit has been completed, standard test procedures should be performed from the customer's telephone to ensure that all connections are correct and that no grounds or short circuits are present.