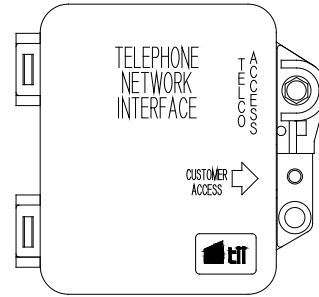Warranty: If this unit fails during the warranty period, contact Tii customer service to authorize return. Unit may be returned prepaid.

tii technologies

141 Rodeo Drive
Edgewood, NY 11717
Toll Free 888.444.4720
www.tiinettech.com

Model 758Z
Universal Network Adapter

Installation Note

DESCRIPTION

1. The Tii 758Z Network Interface Adapter is a retrofit for the Tii 320, Tii 321, Tii 325, Tii 326 and 123 type single pair station protector. The Tii 758Z is designed to fit over the base and module of the station protector and converts into a Network Interface Device. The product is furnished complete and requires no special tools for installation. The Tii 758Z is a plastic housing that replaces the cover of the station protector and is held in place with a sturdy nylon nut. The unit has a hinged, side opening cover, complete with a provision for a customer lock or a security seal and telco override feature. Testing instructions are provided inside the cover. The RJ-11 plug and jack are supplied with weather resistant grommets.
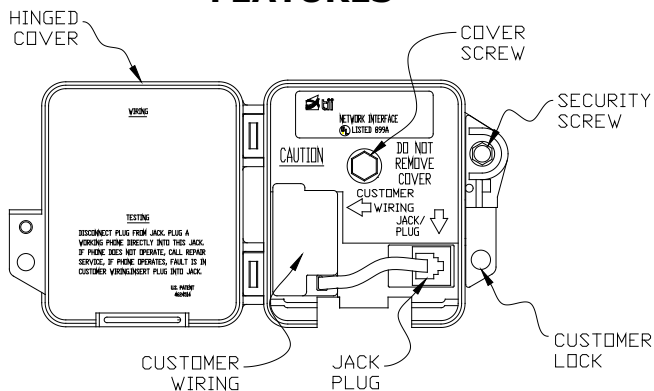
FEATURES

Figure 1

INSTALLATION

PREPARING WITHOUT ELECTRONICS Tii 320/321 AND Tii 325/326

1. Remove the existing cover of the station protector and discard it.

2. Inspect the protector to make sure arrester module is in the upper well. If the module is in the upper well, go to paragraph 9.

3. If the module is in the lower well, it must be moved to the upper well. Do this by carefully removing the station wiring from the binding posts of the module and remove it completely from the protector, bending it to one side for the time being.

4. Carefully loosen the last attachment on the drop wire to gain a little slack if possible. Remove the drop wire from the binding posts of the module and carefully bend it back out of the way.

5. Loosen the retaining nut on the ground stud that holds the ground wire and ground tab of the module. Remove the ground wire.

6. Relocate the module to the upper well and re-terminate the ground wire and the drop wire.

7. Tighten the ground retaining nut to ensure a good ground connection. Tighten the lower nuts of the module down on the drop wire.

8. Inspect the ground wire and drop wire connection.

9. If the arrester module was already in upper position, simply remove the station wire from the studs of the module and bend it to one side for the time being.

INSTALLATION – WITHOUT ELECTRONICS, Tii 320/321 AND Tii 325/326

1. Remove the Tii 758Z from the carton and inspect it carefully for damage. If damaged, obtain another unit.

2. Open the hinged door on the face of the Tii 758Z Adapter and unplug the module plug from the jack.

3. Turn the Tii 758Z Adapter 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. (Red on Ring)

4. Locate the yellow conductor also attached to the modular jack and insulate it with a short piece of tape. Dress it to the side so as not to interface with the working on the unit. (The yellow wire may also be terminated to the protector ground post if desired.)

5. Carefully fit the Tii 758Z Adapter onto the base of the protector, ensuring that no loose ends or other wire pieces are protruding between the adapter and base.

6. Locate the ground stud with the nylon nut of the adapter and screw it down until the adapter is filled snugly to the base.

7. Remove the plug from the RJ-11 jack. For those units supplied with protective warning cover(s), lift the protective warning cover(s) exposing the customer bridge. 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.

8. Replace protective warning cover(s) over customer bridge(s) where provided and reinsert the plug into the RJ-11 jack, making certain that it is property seated, then close the outer door and secure it by tightening the screw.

INSTALLATION WITH INTERNAL STATION ELECTRONICS, Tii 320/321 AND Tii 325/326

1. Prepare the station protector as per section 4.00 Preparation Without Station Electronics.

2. Remove the Tii 758Z from the carton and inspect it carefully for damage. If damaged obtain another unit.

3. Turn the unit over and examine the inside area. A card slot is built into the right hand sidewall. This card is built into the right sidewall. This card slot is a standard 1-5/8 inches long and is designed to accept most ½ ringer termination circuits as the Tii 807 Maintenance Termination Unit.

4. A ringer termination unit is a two wire bridging device which connects directly to the tip and ring of the station protector. The MTU is a four wire series device which connects between the station protector and the network interface jack.

5. Open the hinged door on the face of the Tii 758Z Adapter by carefully unscrewing the metal/nut screw and unplug the modular plug from the jack.

6. If the Tii 758Z unit is equipped with a ringer termination, locate the red and green spade tipped conductors attached to both the ringer termination circuit card and the modular jack. Connect both of the red wires to the Ring binding post and both of the green wires to the Tip binding post of the protector module.

7. If the Tii 758Z unit is equipped with an MTU or other series-connected type circuit, locate the red and green (input) spade tipped conductors of that circuit. Connect them to the Tip and Ring binding posts of the protector module respectively.

8. Locate the green-slate (output) wires attached to the circuit and the red and green wires that are attached to the modular jack. Attach the green-slate circuit wire and the green modular jack wire to one of the Telco Bridge Terminals. Attach the red-slate circuit wire and the red modular jack wire to the remaining Telco Bridge Terminal.

✓   NOTE: On some units, step 8 may have already been performed at the factory.

PREPARATION WITH OUTBOARD STATION ELECTRONICS, Tii 320/321 AND 325/326

1. Remove the cover of the station protector and discard it.

2. Inspect the station protector to make sure the protector module is in the upper well. If the module is in the upper well, go to step 5.

3. If the module is in the lower well, it must be moved to the upper well. Do this by removing the input wiring of the electronics module from the binding posts of the protector module and then follow the steps in Paragraph 4 to Paragraph 8 under Preparation Without Electronics on page 1 before proceeding to step 4.

4. Re-terminate the electronics module input wiring onto the protector module binding posts and ground stud. Check for shorts or broken wires.

5. Remove the station wire from the output of the electronic module and dress it up to the base of the protector. Do not place it inside the protector.

6. Take a short piece of station wire and connect the red and green conductors respectively to the Ring-out and Tip-out of the station electronics module.

7. Run this wire to the protector. Remove a portion of the jacket and prepare the red and green conductors for attachment to the Telco Bridge of the 758Z.

INSTALLATION WITH OUTBOARD STATION ELECTRONICS, Tii 320/321 AND Tii 325/326

1. Remove the Tii 758Z Adapter from the carton and inspect it carefully for damage.

2. Open the hinged door on the face of the Adapter.

3. Locate the red and green spade tipped conductors attached to the modular jack.

4. Attach the red conductors to one of the Telco Bridge Terminals. Attach the green conductors to the remaining Telco Bridge Terminal.

5. Dress all loops and extra conductors neatly inside the protector and carefully fit the Tii 758Z Adapter onto the base protector. (The yellow wire from the modular jack may be insulated and taped back, or terminate on the protector ground post.)

6. Locate the ground stud with the nylon nut of the adapter and screw it down until the adapter is fitted snugly to the base.

7. Remove the plug from the RJ11 jack. For those units supplied with protective warning cover(s), lift the protective warning cover(s) exposing the customer bridge. Carefully place the re-routed station wire in the lip of the grommet and terminate the station wire conductors on the customer wiring bridge. Inspect for short and broken wires.

8. Replace protective warning cover(s) over customer bridge(s) where provided and reinsert the plug into the RJ-11 jack, making certain that it is properly seated, close the outer door and secure it by tightening the screw.

INSTALLATION WITH 123, 125 AND 126 TYPE STATION PROTECTORS

1. The Tii 758Z Network Interface Adapter can be used directly on any 123, 125 or 126 type station protector that is mounted indoors.

2. Protectors mounted outside must use either a Tii 123 NIZ, 125 NIZ, or 126 NIZ which includes a Tii 758Z and a base designed especially for these type protectors; or a Tii 758ZG, which is a standard Tii 758Z equipped with a bottom grommet.

3. Remove the station wire from the binding posts of the station protector and bend it back to one side.

4. Remove the Tii 758Z Adapter from the carton and inspect the unit for damage. If damaged obtain another unit. Turn the unit over and examine the inside area. A card slot is built into the right hand sidewall. This card slot is a standard 1-5/8 inches long and is designed to accept most ½ ringer termination circuits as well as the Tii 807 Maintenance Termination Unit.

5. If the Tii 758Z IS NOT equipped with internal electronics such as a maintenance termination unit or a ½ ringer termination, proceed to steps 2 thru 8 under Installation Without Electronics. If the 758Z is equipped with internal station electronics, proceed to steps 4 thru 9 under Installation With Internal Station Electronics, and then go to step 6.

6. Locate the yellow conductor also attached to the modular jack and insulate it with a short piece of tape. Dress all conductors so as not to interfere with the working of the unit. (The yellow wire may also be terminated on the protector ground post if desired).

7. Carefully fit the Tii 758Z Adapter onto the protector ensuring that no loose ends or other wire pieces are protruding. Cut the grommet on the Tii 758ZG as necessary to fit over the drop and ground wires.

8. Locate the ground stud with the nylon nut and screw it down until the adapter is fitted snugly.

9. Remove the plug from RJ-11 jack. For those units supplied with protective warning cover(s), lift the protective warning cover(s) exposing the customer bridge. 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.

10. Replace protective warning cover(s) over customer bridge(s) which provided and reinsert the plug into the RJ-11 jack, making certain that it is property seated, then close the outer door and secure it by tightening the screw.

TESTING

1. When the installation of the 758Z Network Interface has been completed, standard test procedures should be made from the customer's telephone to ensure that all connections are correct and that no grounds or short circuits are present.