

INSTALLATION NOTE



1. GENERAL

- The tii 759 Universal Network Adapter is designed to retrofit either one pair or two pair station protector housed in an AT&T 8813B Service Enclosure.
- The tii 759 1 is furnished complete with customer wiring bridge / RJ-11 modular jack with spade tipped leads for one pair. The tii 759 2 is similarly equipped for two pair.
- No special tools are required to install or maintain this product.
- The tii 759 is equipped with a cover tab that allows the customer to lock the unit, but allows the Telco to override the lock.
- The interior has a set of hinged covers that keep the Telco protector modules and station electronics out of the customer's view and touch. They may be accessed with a $\frac{3}{8}$ " hex head terminal wrench or a pin-in-head wrench.
- The customer wiring bridge and the RJ-11 modular jack are press fit and readily field replaceable.
- The tii 759 Series Universal Network Adapter is equipped with four card slots which allow a variety of station electronics to be fitted to the customer line.
- If the hook up wire or OSP cable is physically larger than No. 22AWG, a fusing conductor of No. 22AWG solid copper wire with thermoplastic insulation or No. 22AWG copper clad steel (bridle wire) shall be employed.

1. WARRANTY

See tii Warranty. If this unit fails during the warranty period, the factory should be requested to

authorize return. Return the unit prepaid when authorization is received. Units that fail due to abuse or normal wear should be discarded.

2. INSTALLATION – PREPARATION

- If there are any outboard electronic packages mounted beside the AT&T 881B station protector, they may have to be moved. The tii 759 Series Adapter requires a clear space of three inches on both sides and top of the station protector.
- After ensuring that adequate space is available to mount the tii 759 Adapter, remove and discard the 8813B cover.
- Inspect the protector, wiring and ground connection. Perform any maintenance required by local practice.

3. INSTALLATION – NO ELECTRONICS

- Carefully remove the inside wires from the protector and pull them out through the grommet. Carefully bend them away from the installation.
- Remove the tii 759 Adapter from the box and inspect if for damage. If the unit is damaged, obtain another unit.
- Using a screwdriver loosen the screw below the hex head or pin-in-head security screw and open the outer door. Then with a $\frac{3}{8}$ " hex head terminal wrench or a pin-in-head wrench, loosen the security screw and open the inner door.
- Place the tii 759 Adapter over the "B" closure base about one third of the way up and all the way to the wall. Then slide the tii 759 Adapter down until you hear the unit snap and lock into place. The tii 759 is designed to fit snugly over the base of the AT&T 8813B but does not require excessive force to install.
- Locate the RED and GREEN spade tipped wires coming from the RJ-11 jack on the right hand side and terminate them on the Ring and Tip terminals of the upper protector module respectively. Observe polarity.
- If the tii 759 Adapter is fitted for two lines, and the second protector module is in place, locate the RED and GREEN spade tipped wires coming from the RJ-11 jack on the left hand side. Terminate them on the ring and tip terminals of the second protector module. Observe polarity.

- Depending on local practice, the YELLOW spade tipped wires may be terminated on the ground post, or taped to prevent electrical interference and dressed out of the way.
- Carefully inspect the work performed for shorts, crosses, grounds, and polarity. Close the inner door and secure it by tightening the security screw.
- 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.
- Make a hole in the soft vinyl grommet located under the right hand customer wiring bridge. Thread the station wire through the grommet. Dress the station wires to the right hand side of the wiring posts, and terminate the RED and GREEN wires on the two lower wiring posts. Observe polarity.
- If the tii 759 is fitted for two lines and the second line is to be terminated, follow the instructions in Paragraph 4.10 using the left hand customer wiring bridge.
- 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, then close the outer door and secure it by tightening the screw.

4. INSTALLATION – WITH ELECTRONICS

- Follow the steps outlined in Section 3.00 for installation preparation.
- If there are existing electronics mounted outside the station protector, it will be necessary for you to carefully note how they are wired into the circuit.
- Electronic packages that are mounted outside the station protector, having terminals for station wire connection and factory installed cable for connection at the protector, may be installed as described in the following sections.
- Mount the tii 759 as outlined in paragraphs 4.02, 4.03 and 4.04.
- Carefully remove the station wires from the outboard electronics module.
- Place a jumper cable (piece of inside wire) at least 18” long from the card slot section of the tii 759 Adapter through the protector grommet to the outboard electronics module.
- Terminate the RED, GREEN and YELLOW wires onto the appropriate terminals of the electronic module.
- Dress the other end carefully around the protector, and terminate the RED, GREEN and YELLOW wires onto three of the wiring posts in the card slot section of the tii 759 Adapter.

- Locate the spade tipped leads associated with the RJ-11 jack to be used, and terminate them on the wiring posts with the jumper cable. Observe polarity.
- Terminate the customer’s inside wire following the steps in paragraph 4.09 and 4.12.

5. INSTALLATION – HALF RINGER

- If the conversion of the station protector is to include the installation of a tii 856 Half Ringer, a card slot for this product is located on the top section of the tii 759 Adapter.
- Open the inner door of the tii 759 Adapter and observe the four card slots. The two uppermost slots, designated “A” and “B” are intended for the tii 856 Half Ringer of the tii 807 Maintenance Termination Unit.
- Slide the tii 856 card into one of the slots, and connect the RED and GREEN spade tipped leads to the Ring and Tip terminals of the protector respectively.
- Inspect your work carefully for shorts, crosses, grounds and polarity.
- Close and secure the inner and outer door. Perform all necessary tests.

6. INSTALLATION – MTU

- Open the inner door of the tii 759 Adapter. Observe the four card slots. The two uppermost slots designated “A” and “B” are intended for the tii 856 Half Ringer or the tii 807 Maintenance Termination Unit.
- Select one of these slots and slide the card into place. Terminate the RED and GREEN spade tipped leads to the Ring and Tip terminals of the protector. Observe Polarity.
- Connect the YELLOW and BLACK (some units may use Red with a White tracer instead of Yellow, and Green with a White tracer instead of Black) spade tipped leads to two wiring posts in the card slot section.
- 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. Terminate the RED and GREEN spade tipped leads from the RJ-11 modular jack to the two wiring posts with the YELLOW and BLACK leads respectively. Observe polarity.
- Inspect all work for shorts, crosses, grounds and polarity and then 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, then close the outer door and secure it by tightening the screw.

7. SECURITY

The tii 759 Network Interface Adapter is furnished with a locking tab that allows the customer to padlock the NID if so desired. The tab is also designed to allow the Telco to override the padlock through the use of the $\frac{3}{8}$ " hex head terminal wrench, or the optional pin-in-head wrench, depending on which option is equipped.