

TRI-R/OP W/METAL ENCLOSURE QUICK START GUIDE

GENERAL

This Quick Start Guide provides installation procedures for the ADTRAN Total Reach ISDN Remote Outside Plant (OSP) with a Metal Enclosure. See Section 61210083L2-5A - Installation and Maintenance Practice for the TRI-R/OP, for additional information regarding the TRI-R unit.

The Metal Enclosure can be externally mounted on a customer's residence, on a pole, or in a wire closet. The interconnect between the network and the customer's NT1 is made using the 18" long cable. The cable has spade lug terminals for wiring to many terminal blocks or station protectors. The TRI-R/OP provides onboard protection from surge and power cross conditions, and does not require the use of station protectors.

Mounting

Loosen the 7/16 security bolt and remove the front cover. Insert two screws (recommend #8 x 1.5-inch) through the two mounting holes located on the base of the metal enclosure and attach to the customer's residence, pole, or wire closet, see Figure 1.



Up to -190 VDC maximum may be present on the OSP Cable Pair.

For applications on customer's residence, the metal enclosure should be within 12 inches from the Network Interface Device (NID) to allow for proper routing of the interconnect cable. Thread the interconnect cable through the grommet of the metal enclosure (see Figure 1) and connect the ground wire (Black) to an approved ground. Connect the TRI Interface (Blue and White) to the station protector module that will be used for the network. These connections are not sensitive to Tip/Ring reversal.

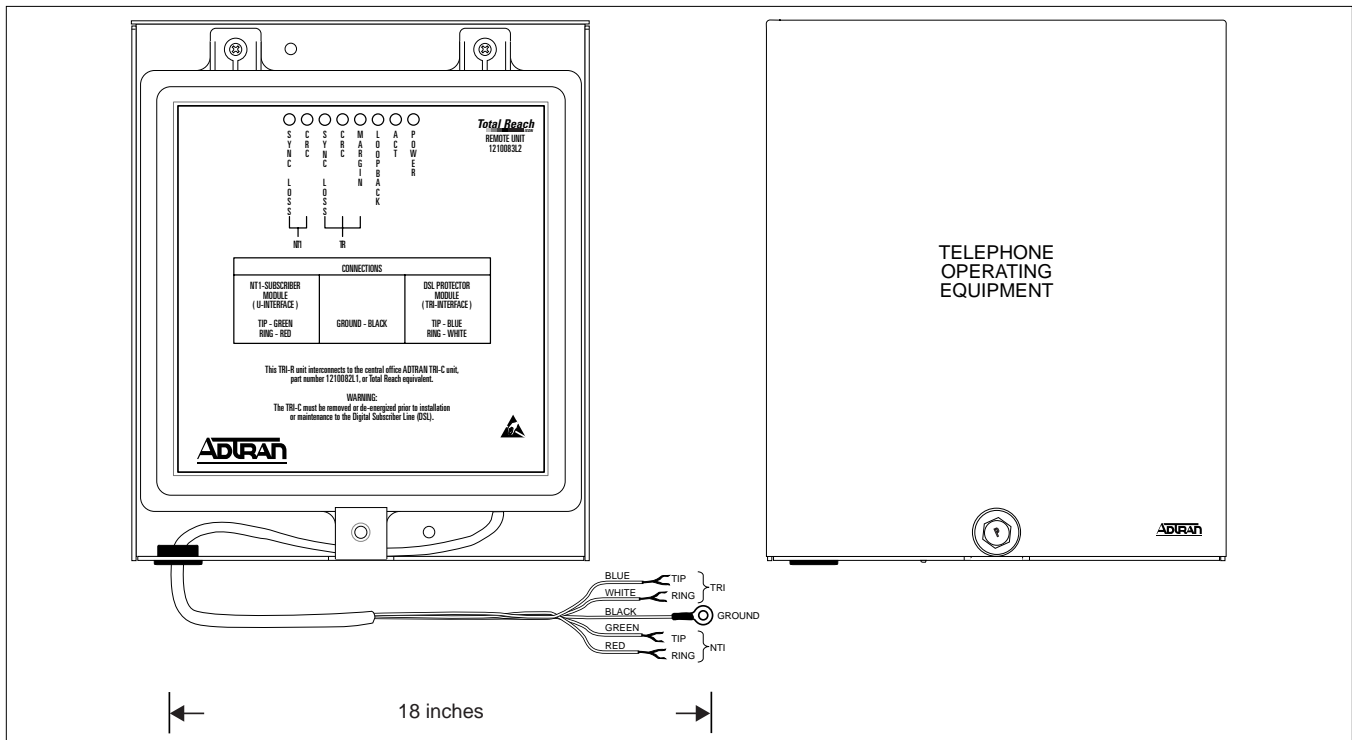


Figure 1. TRI-R/OP w/Metal Enclosure

Connect the NT1 Interface (Green and Red). These connections are not sensitive to Tip/Ring reversal. If a customer wiring bridge module will be used, the module must be an electronic free module (no 1/2 ringer or RFI). Connection to the customer module can be made using one of the following methods:

- Use a separate station protector module using the wiring post to make the electrical connection.
- Use interconnect devices such as Scotchlok™ in the telco compartment of the NID.

For applications that require a pole or cabinet mount, connections to the drop (TRI-Interface) and station side (NT1-Interface) should be made using approved methods, either Scotchlok or a suitable splice enclosure. For applications in a wiring closet, connections to the drop (TRI-Interface) and station side (NT1-Interface) can be made using standard punch-down blocks, or any other suitable method.

After the connections for the TRI and NT1 Interfaces are complete, verify the TRI-C is installed or powered on. Observe the faceplate indicators to determine the operational status of the systems. Table 1 describes the eight front panel status LEDs. Refer to Section 61210083L2-5A for additional deployment and test information.

Upon completion of circuit turn-up, replace the front cover and tighten the 7/16 security bolt to 20 to 30 in-lbs. DO NOT OVERTIGHTEN.

6. WARRANTY AND CUSTOMER SERVICE

ADTRAN will replace or repair this product within 10 years from the date of shipment if it does not meet its published specifications or fails while in service (see *ADTRAN Telco Network Equipment Warranty, Repair, and Return Policy and Procedure* document 60000087-10A).

Contact CAPS prior to returning equipment to ADTRAN.

For service, CAPS requests, or further information, contact one of the following numbers:

ADTRAN Technical Support

(800) 726-8663

Standard hours: Monday-Friday, 7 am-7 pm CST

Emergency hours: 7 days/week, 24 hours/day

ADTRAN Sales

(800) 827-0807

ADTRAN Repair/CAPS

(256) 963-8722

Repair and Return Address

ADTRAN, Inc.

Customer & Product Service (CAPS) Department

901 Explorer Boulevard

Huntsville, Alabama 35806-2807

Table 1. Front Panel Indicators

Indicator	Color	Description
NT1 SYNC LOSS	Red	Indicates a loss of signal or synchronization with the 2B1Q BRI interface towards the customers NT1.
NT1 CRC	Red	Indicates receipts of a Near End Block Error (NEBE) from the 2B1Q BRI interface.
TR SYNC	Red	Indicates a loss of signal from or synchronization with the TRI-C unit.
TR CRC	Red	Indicates receipt of a Near End Block Error (NEBE) from the TRI-C Unit.
TR MARGIN	Yellow	Indicates that the pulse attenuation exceeds 58 dB loss measured at 20 kHz.
LOOPBACK	Yellow	Indicates the TRI-R is in a network-commanded loopback; 1 flash per second for B1 loopback, 2 flashes per second for B2 loopback, and on solid for 2B+D loopback.
ACT	Green	On solid indicates that the terminal equipment has exchanged ACT bits with the ISDN switch. Flashing once per second indicates the ACT bit is being sent from only the terminal equipment.
POWER	Green	Indicates that span powering is present and suitable for powering the TRI-R.