

ADTRAN BR1/10 DSL CONTINUITY TESTER INSTALLATION/MAINTENANCE

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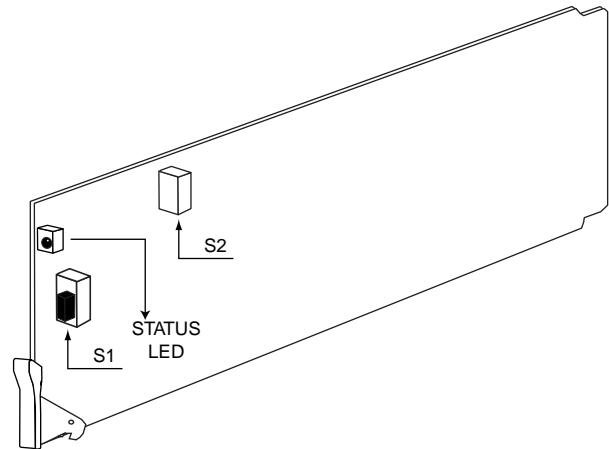


Figure 1. ADTRAN BR1/10 DSL Continuity Tester

1. GENERAL

This practice provides installation and maintenance procedures for the ADTRAN BR1/10 DSL Continuity Tester. The Tester unit is used to provide verification of DSL wiring between the BR1/10 channel bank and central office (CO) main distribution frames (MDF). The Tester unit is designed specifically for the ADTRAN BR1/10 channel bank and is not used in any other product. Figure 1 illustrates the ADTRAN BR1/10 DSL Continuity Tester.

Features

- Verification of Tip (T), Ring (R), Tip1 (T1), and Ring1 (R1) DSL wiring
- Identifies pair reversals
- On-board buzzer provides audible notification when enabled
- LED provides visual notification
- Operates from CO -48VDC battery plant

2. INSTALLATION

The Streaker unit is plugged in the channel unit slots 1-10 only of the BR1/10 channel bank. Once inserted, the unit begins monitoring T, R or T1, R1 for the appropriate test voltages. Follow the steps below to test DSL wiring of an individual circuit:

1. Before inserting the Streaker card into the desired slot, select which pairs to test using switch SW1 (up = T,R; down = T1, R1). Also, select the buzzer operation using switch SW2 (up = on; down = off). Figure 1 illustrates the switch positions.
2. Insert the Streaker unit into the desired DSL slot. Press firmly until seated.
3. At the MDF, apply 48V across Tip ("+" or positive voltage) and Ring ("- " or negative voltage). Figure 2 illustrates a block diagram of the Continuity Tester in a circuit.
4. Back at the channel bank, verify the wiring condition using Table A.
5. Begin at channel #1 and test all leads that have been connected to the MDF.

Table A. LED and Wiring Conditions

LED Condition	Wiring Condition
Green	Wiring good
Red	Tip / Ring Reversed
Off	No continuity

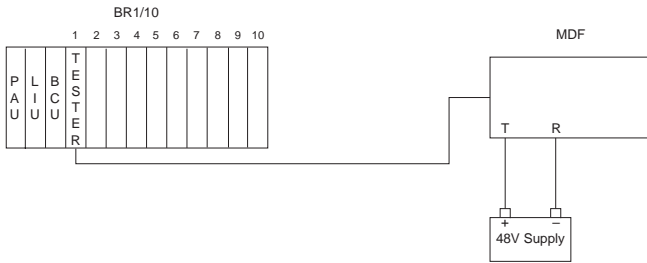


Figure 2. BR1/10 Continuity Tester In a Circuit

3. SPECIFICATIONS

Table B list the specifications for the ADTRAN BR1/10 Continuity Tester.

Table B. Specification Table

Environmental	
Operating Temperature:	-40° C to 70° C (-40° F to 158° F)
Storage Temperature:	-40° C to 85° C (-40° F to 185° F)
Relative Humidity:	95% max, non-condensing
Physical	
Dimension:	9.375" Long, 2.5" High, .625" Wide
Weight:	2.4 ounces
Power Requirements	
T, R @ MDF:	-48VDC at 70mA nominal

4. MAINTENANCE

The ADTRAN BR1/10 Continuity Tester requires no routine maintenance to operate properly.

ADTRAN recommends that repairs on the unit not be performed in the field. Repair services may be obtained by returning damaged units to ADTRAN.

5. WARRANTY AND CUSTOMER SERVICE

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

Return Material Authorization (RMA) is required prior to returning equipment to ADTRAN.

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

ADTRAN Technical Support..... (800) 726-8663
 Standard support hours, Monday-Friday, 7am-7pm CST
 Emergency Support:., 7 days/week, 24 hours/day

ADTRAN Sales..... (800) 827-0807

ADTRAN Repair/RMA..... (205) 963-8722

Repair and Return Address

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