TOTAL ACCESS 750 BCU

JOBAID
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0007

BCU

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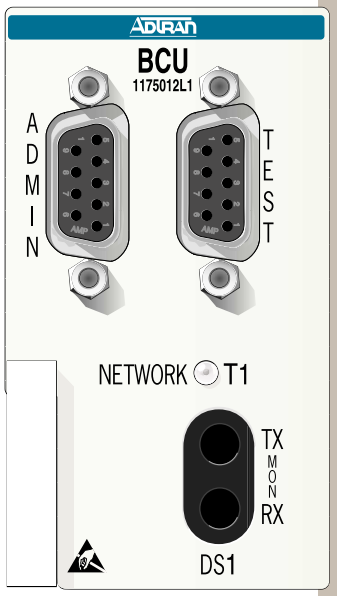


TURN UP STEPS

1. **Unpack the TA 750 BCU card and inspect for damage. If damage is apparent, refer to your carrier or supplier for remedy.**
2. **Verify SW1 is provisioned properly for your application. Refer to the table in this job aid for default provisioning and other provisioning options.**
3. **Make changes to SW1 options as necessary.**
4. **Insert BCU card into TA 750 chassis slot marked BCU. To insert, hold the BCU card by the faceplate while supporting the bottom edge of the card. Align the card edges with the quide grooves in the TA 750 chassis. Insert into chassis until the edge card connector seats firmly into the chassis backplane. Lock the unit in place by pushing in on the locking lever.**
5. **Monitor Network T1 LED for operational status. After aquiring framing with the far end, The Network T1 LED should be on solid green.**

COMPLIANCE CODES

This product is intended to be installed in products providing a Type "B" or "E" enclosure, and in a Restricted Access Location.

CODE	INPUT	OUTPUT
PC	C	C
TC	-	X
IC	A	-

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment.

WARRANTY

Warranty for Carrier Networks products manufactured by ADTRAN and supplied under Buyer's order for use in the U.S. is ten (10) years. For a complete copy of ADTRAN's U.S. Carrier Networks Equipment Warranty: (877) 457-5007, Document 414.

CAUTION!
SUBJECT TO ELECTROSTATIC DAMAGE OR DECREASE IN RELIABILITY.
HANDLING PRECAUTIONS REQUIRED.

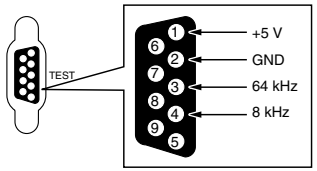
NETWORK ALARM LED

Network T1	○ OFF	NO power
	● RED	T1 down or not connected
	● YELLOW	Far end unit in Red Alarm
	● GREEN	Normal operation
	✶ FLASHING GREEN	Network T1 in Test
	✶ FLASHING RED	BCU failed Self Test

PROVISIONING

ADMIN DB-9

- Provides access for VT 100 terminal screen menu provisioning
- Craft port setting: 9600 Baud, no parity, 8 data bits, 1 stop bit
- When connected, enter the password. The factory default is PASSWORD
- To traverse the menus, select the desired entry and press ENTER. To work backwards in the menu press the ESC key.



DIP Switch S1

- Mounted on the daughter card for T1 provisioning, clocking, and CSU loopbacks

Note: BCU retains provisioning setup when removed from chassis. If inserted into another chassis, the provisioning set up is invoked on that chassis' access modules.

TEST INTERFACE

- Provides timing for DS0 test equipment
- Outputs 8 kHz ad 64 kHz clock reference signal

BANTAM TEST JACKS

- Provide monitor access to Network T1

DIP Switch S1 Options

Switch	Function	Description		
S1-1	Framing Format	S1-1	S1-3	Setting
S1-3	TR-08 Signaling	Off	Off	ESF*
		On	Off	SF
		Off	On	TR-08 Digroup A
		On	On	TR-08 Digroup B, C, or D
S1-2	Line Code Format	On...AMI	Off*...B8ZS	
S1-4	CSU Loopback	On...Disabled	Off*...Enabled	
S1-5	Timing A	S1-5	S1-6	Function
S1-6	Timing B	Off*	Off*	Loop Timing
		On	Off	External Timing
		Off	On	Local Timing
		On	On	Loop Timing
S1-7	LBO A	S1-7	S1-8	Setting
S1-8	LBO B	Off*	Off*	0 dB/0-133ft(LBO)
		On	Off	-7.5 dB
		Off	On	-15 dB
		On	On	-22.5 dB

**Denotes factory default settings.*

■ For a complete I&M Practice: 877.457.5007, Document # 419. Please have your fax number available. ■

TOTAL ACCESS 750 PSU/RGU

PRICING AND AVAILABILITY 800.827.0807
TECHNICAL SUPPORT 888.4ADTRAN
RETURN FOR REPAIR 256.963.8722
www.adtran.com

PSU/RGU

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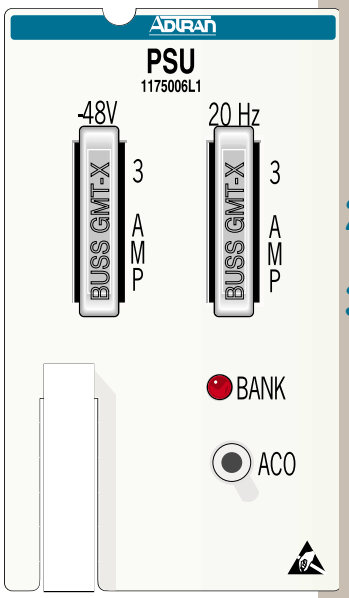

TURN UP STEPS

1. **Unpack the Total Access 750 PSU card and inspect for damage. If damage is apparent, refer to your carrier or supplier for remedy.**
2. **Verify that both 3 AMP fuses are properly installed in the PSU front panel fuse holders.**
3. **Insert PSU card into Total Access 750 chassis slot marked PSU. To insert, hold the PSU card by the faceplate while supporting the bottom edge of the card. Align the card edges with the guide grooves in the Total Access 750 chassis. Insert into chassis until the edge card connector seats firmly into the chassis backplane. Lock the unit in place by pushing in on the locking lever.**

COMPLIANCE CODES

This product is intended to be installed in products providing a Type "B" or "E" enclosure, and in a Restricted Access Location.

CODE	INPUT	OUTPUT
PC	F	C
TC	-	-
IC	A	-

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BANK ALARM LED

BANK	● ON	Alarm condition
	○ OFF	Normal operation
	✳ FLASH	Alarm acknowledges by depressing the ACO pushbutton

ALARM CUT-OFF (ACO) PUSHBUTTON

- Depress to disable any audible bank alarms.

Note: The ACO pushbutton does not override power failure alarms

Alarm Notification

Alarm Condition	Relays Activated
Local Alarm	MJR, MJVR
Remote Alarm	MJR, MJVR
AIS Alarm	MJR, MJVR
PSU Power Fuse Fails	MJR, MJVR, -48ALM
Alarms ACO Deactivates	MJR

Note: ACO will NOT deactivate MJR after a power fuse failure.

GMT-TYPE FUSES

-48V, 3-amp GMT fuse

- Provides protection and isolation
- When tripped
  - PSU outputs –48 VDC to pin –48ALM
  - MJ shorts to MJR
  - MJV short to MJRV
- When fuse pulled or input power lost
  - No voltage output to pin –48 ALM
  - MJ shorts to MJR
  - MJV shorts to MJVR

20Hz, 3-amp GMT fuse

- Removing fuse disables ring voltage
- UL 1950 compliant
- Provides circuit continuity for ring voltage
- Functions as spare fuse location for –48 V fuse

Warning:
Ring Voltage is hazardous! Remove the 20 Hz, 3-amp GMT fuse to isolate ring voltage from the TA 750/850 prior to performing open chassis or wiring operation.

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