

DC SUPPLY

CLID: SUPCODE



FRONT PANEL LEDS

POWER

- Green
- Amber
- Red

TEMP

- Off
- Red

Both -48V lines lit, power not applied to the shelf, or incorrect polarity on the voltage supplied to the shelf.
Power supplied is the correct voltage and polarity; backplane and hot insertion voltages correct.
-48 V input and hot insertion voltage present; no backplane voltage.
-48 V input present; no backplane voltage and no hot insertion voltage.
Normal
Over-temperature condition

FUNCTIONALITY

The Total Access 4303 DC Power Supply furnishes the voltages necessary for proper backplane operation. The DC Power Supply also provides the voltages that enable hot insertion of the option cards and SCUs. The DC Power Supply does not, however, provide the voltages necessary to power individual option cards or the SCUs as each card has its own DC-DC supply.

In addition, the DC Power Supply in slot PS-A provides alarm relay output functionality. If only one DC Power Supply is used, place the DC Power Supply in PS-A to provide alarm relay facilities. The DC Power Supply, as well as all Total Access 4303 option modules and SCUs, has protection against the wrong voltage polarity being applied to the shelf.

INSTALLATION

- Insert the module into either the slot labeled PS-A or PS-B.
- When power is supplied to the shelf, verify that the Power LED is green.
- If power is supplied to the shelf and the Power LED does not illuminate, remove power and verify polarity.
- To verify one or both -48V supply voltages, use the SCU terminal module (see SCU Job Aid 61260335L1-22) and navigate the following path:
System Status/System Alarms-48V Bus

SPECIFICATIONS

Specifications	
Input Voltage	-42 to -48 DC
Operating temperature	0°C to 50°C
Storage temperature	-40°C to 70°C
Over-temperature indication	90°C ± 10°C
-48V short circuit protection	Fused (1 amp)
Backplane voltage short circuit protection	Self-limiting
Relative Humidity	10 to 85% noncondensing
Compliance	FCC Part 15, UL 60950, IEEE Level 2
Warranty	10 years

COMPLIANCE

The Total Access 4303 DC Power Supply is NRTL listed to the applicable UL standards. The Total Access DC Power Supply is to be installed in a restricted access location and in a Type "B" or "R" enclosure only.

Cable	Input	Output
Power Cords (PC)	F	C
Telecommunication Cords (TC)	-	-
Installation Cords (IC)	A	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.

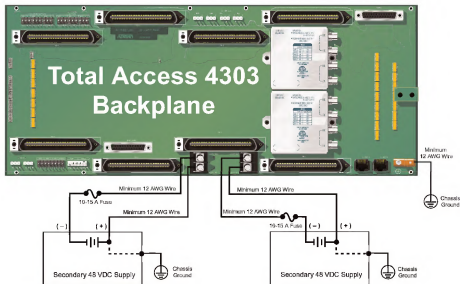
WARRANTY

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. and Canada Carrier Networks Equipment Warranty (PN 60000087-10), (877) 437-5007, Pathback Document 104.

■ For a complete Installation and Maintenance Practice (PIN 61260335L1-02), (877) 437-5007, Pathback Document 062. Please have your fax number ready. ■



TOP LEVEL MENU INFORMATION



Note: Only one of the above supplies is necessary for proper Operation.