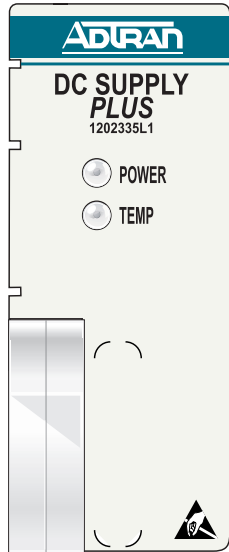


DC SUPPLY

CLEI: SLPOCDBC_



FRONT PANEL LEDs

POWER	<input type="radio"/> Off	Both -48 VDC fuses blown, power not supplied to the shelf, or incorrect polarity on the voltage supplied to the shelf
	<input checked="" type="radio"/> Green	Power supplied is the correct voltage and polarity; backplane and hot insertion voltages correct
	<input checked="" type="radio"/> Amber	-48 VDC input and hot insertion voltage present; no backplane voltage
	<input checked="" type="radio"/> Red	-48 VDC input present; no backplane voltage and no hot insertion voltage
TEMP	<input type="radio"/> Off	Normal
	<input checked="" type="radio"/> Red	Over-temperature condition

DESCRIPTION

The Total Access® 4303 *Plus* DC Power Supply is a removable assembly that provides the voltages necessary for proper system operation. The unit features LEDs for over-temperature and DC output, an input fuse, and the ability to be hot-swapped when used with another DC supply in the same chassis. The supply interfaces to the Total Access backplane through a 48-pin connector. The unit accepts one or two -48 VDC inputs from the backplane and supplies -48 VDC fused output for use with external input logic, +5 VDC as hot insertion bias voltage for modules, and +2.1 VDC for backplane termination. In addition, the Total Access 4303 *Plus* DC Supply provides alarm outputs when installed in slot PS-A.

The following features are supported on the Total Access 4303 *Plus* DC Power Supply:

- Thermal limit indicator with open collector output
- DC status indicator on the 2.1 and 5 volt outputs with open collector output
- Short circuit protection
- Compatible with existing Total Access DC Power Supplies (P/N 1200335L1)

SPECIFICATIONS

Specifications	
Input Voltage	-42 VDC to -56 VDC
Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +85°C
Relative Humidity	Up to 95% noncondensing
Over Temperature Indication	90°C ±5%
-48 VDC Short Circuit Protection	Fused 1-amp slow blow
Backplane Voltage Short Circuit Protection	Self-mending
Compliance	FCC Part 15, UL 60950, NEBS Level III, GR-1089-CORE

ALARM RELAYS

There are eight alarm relays that provide normally open or normally closed contacts for each of the following alarms:

- Visual Critical
- Visual Major
- Visual Minor
- Audible Critical
- Audible Major
- Audible Minor
- Auxiliary 1
- Auxiliary 2

POWER SUPPLY 48 PIN CONNECTOR PINOUT

Pin #	Row A Signal	Row B Signal	Row C Signal
1	AUD_CRIT_NO	AUD_CRIT_COM	AUD_CRIT_NC
2	AUD_MAJ_NO	AUD_MAJ_COM	AUD_MAJ_NC
3	AUD_MIN_NO	AUD_MIN_COM	AUD_MIN_NC
4	VIS_CRIT_NO	VIS_CRIT_COM	VIS_CRIT_NC
5	VIS_MAJ_NO	VIS_MAJ_COM	VIS_MAJ_NC
6	VIS_MIN_NO	VIS_MIN_COM	VIS_MIN_NC
7	AUX1_RLY_NO	AUX1_RLY_COM	AUX1_RLY_NC
8	AUX2_RLY_NO	AUX2_RLY_COM	AUX2_RLY_NC
9	-48V_A	PS_OK	PS_TEMP
10	-48V_B	2.1V	PS_PRESENT
11	2.1V	2.1V	2.1V
12	-48V_AB_RTN	2.1V	VCC
13	GND	GND	GND
14	GND	GND	PSRLY_CLK
15	GND	PSRLY_LOAD	PSRLY_DATAIN
16	FR_GND	-48V	PSRLY_DATAOUT



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

TURNUP STEPS

To install the Total Access 4303 *Plus* DC Power Supply, perform the following steps:

- 1** After unpacking the Total Access 4303 *Plus* DC Power Supply, inspect it for damage. If damage is found, file a claim with the carrier and then contact ADTRAN® Customer Service.
- 2** Pull the ejector tab on the bottom of the Total Access 4303 *Plus* DC Power Supply into the down position.
- 3** Hold the Total Access 4303 *Plus* DC Power Supply by the front panel while supporting the bottom edge of the module and align the module edge with the guide groove for slot **PS-A** or **PS-B** in the chassis. If using only one Total Access *Plus* DC Power Supply module, insert the module in slot **PS-A** in order to use the alarm relay outputs.
- 4** Gently but firmly push the module into the selected slot. Simultaneous thumb pressure at the top (above the **POWER LED**) and at the bottom (below the electrostatic caution symbol) of the module will ensure a good seat of the module pins into the backplane connector.
- 5** Apply power to the shelf and verify that the **POWER LED** is green. If the **POWER LED** does not illuminate, disconnect power, and verify polarity.
- 6** Push the ejector tab up and closed against the module front panel.

To verify one or both -48 VDC supply voltages, use the SCU terminal and navigate to the following path:

System Status/System Alarms/-48V Bus

COMPLIANCE

This product is NRTL listed to the applicable UL standards. The Total Access 4303 *Plus* DC Power Supply is intended for installation in a type "B" or "E" enclosure in a Restricted Access Only area. The Total Access 4303 shelf Frame Ground terminal must be connected to an earth ground to ensure that the front panel of the Total Access 4303 *Plus* DC Power Supply is properly grounded via the backplane connector.

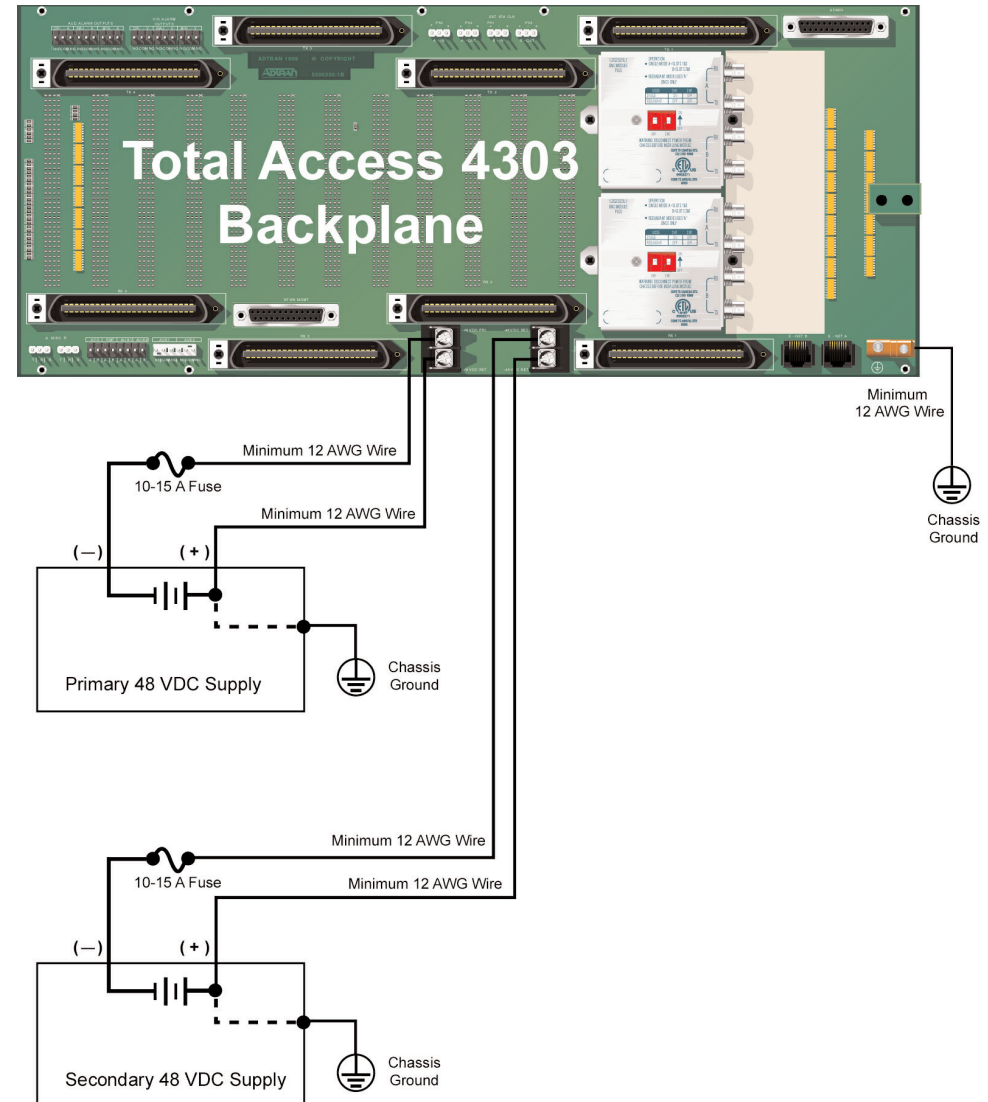
Code	Input	Output
Power Code (PC)	F	C
Telecommunication Code (TC)	-	X
Installation Code (IC)	A	-

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

ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found at www.adtran.com/warranty. U.S. and Canada customer Faxback: 877-457-5007, Document 414.



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

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