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TURN UP STEPS

WALL-MOUNTING THE TOTAL ACCESS 750 SHELF

- 1** Remove the Total Access 750 Chassis (ADTRAN Part # 1175001L1) from the packing box and inspect for damage. If damage is apparent, report to your carrier or product provider for procedure or remedy.
- 2** Locate and set aside the envelope containing the mounting hardware.
Note: A minimum of 10" clearance is required on the component end (up) for circuit card insertion. A minimum of 5" clearance is required on the backplane end (down) for power and cable connections.
- 3** Using the supplied wall-mounting template for flush mount, mark the location of mounting holes on the wall or backboard. Mount on heavy plywood, 3/4" minimum. Drill #6 pilot holes in the backboard.
- 4** Remove the mounting brackets and #6 x 1/4" machine screws (supplied) from the envelope.
- 5** Orient one bracket on each side of the shelf with the large flange against the shelf, and the small flange toward the top of the shelf.
- 6** Orient the shelf with the card insertion slots upward.
- 7** Use six #6 x 3/4" wood screws (not supplied) to mount the Total Access 750 shelf to the backboard.

Note: Remove the 20Hz fuse before exposing backplane or accessing channel units.

Note: On installations that do not use all chassis slots, NEBS and UL 1950 require that the empty slots must have a TA 750 blank unit (P/N 1175099L1) installed in the opening.

MOUNTING THE TOTAL ACCESS 750 SHELF ON THE 1175044L2 BATTERY PACK

- 1** Remove the Total Access 750 Chassis (ADTRAN P/N 1175001L1) from the packing box and inspect for damage. If damage is apparent, report to your carrier or product provider for procedure or remedy.
- 2** Locate and set aside the envelope containing the mounting hardware.
Note: A minimum of 10" clearance is required on the component end (up) for circuit card insertion. A minimum of 5" clearance is required on the backplane end (down) for power and cable connections.
- 3** Remove the mounting brackets and twelve #6 x 1/4" machine screws (supplied) from the envelope.
- 4** Orient one bracket on each side of the shelf with the large flange against the shelf, and the small flange toward the top of the shelf. Attach the brackets to the chassis, using four machine screws for each bracket.
- 5** Orient the shelf with the card insertion slots upward, and place the chassis on battery pack, aligning brackets with screw holes on the battery pack.
- 6** Fasten the brackets through the two outer counter-sunk holes into the threaded holes in the center of the battery pack, using four machine screws.

WARRANTY

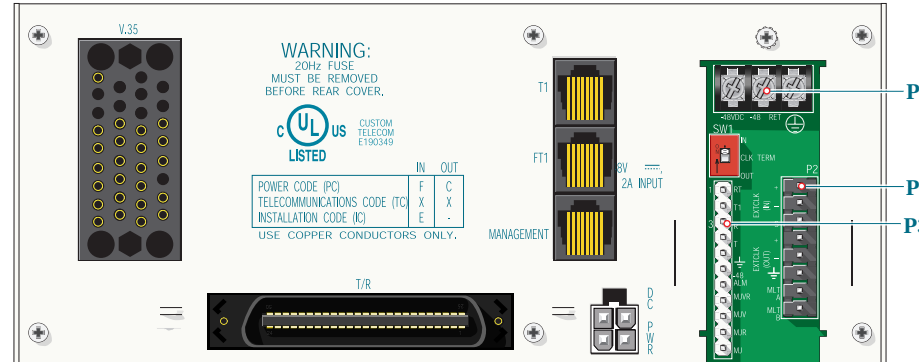
Warranty for Carrier Networks products manufactured by ADTRAN and supplied under Buyer's order for use in the U.S. is ten (10) years. For a complete copy of ADTRAN's U.S. Carrier Networks Equipment Warranty: (877) 457-5007, Document 414.

UL 1950 DEPLOYMENT GUIDELINES

One of the following powering schemes shall be utilized when powering this equipment:

1. Total Access 750 AC/DC Power Supply (P/N 1175043L1)
2. Connect a reliably grounded -48 Vdc source which is electrically isolated from the AC source.

- A readily accessible disconnect device, that is suitably approved and rated, shall be incorporated in the input source wiring.
- The branch circuit overcurrent protection shall be a fuse or circuit breaker rated minimum 48 V, maximum 20A.
- This unit shall be installed in accordance with the requirements of NEC NFPA 70.



COMPLIANCE CODES

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

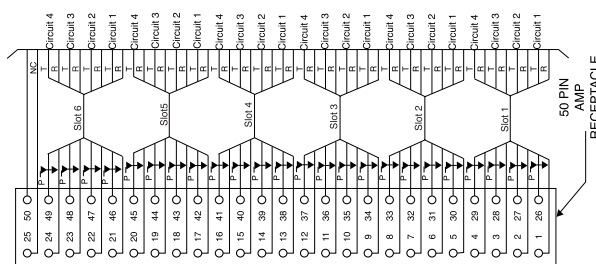
Code	Input	Output
Installation Code (IC)	C	C
Telecommunication Code (TC)	—	X
Power Code (PC)	A	—

V.35 CONNECTOR

- Programmable V.35 data port; must have Nx56/64 access module (P/N 1175025L1) installed in slots 6-7 to activate this port

50-PIN MALE AMPHENOL CONNECTOR – T/R

- Interconnect wiring for access modules in slots 1 through 6.
- Terminates with a punch-down block for premises wiring or directly to a cross-connect or main distribution frame.



EXTERNAL CLOCK AND TEST CONNECTIONS – P2 (UNDER PLATE)

Pin	Label	Function
1	+(In)	Input BITS composite clock
2	-(In)	Input BITS composite clock
3	S	Cable shield for input clock
4	+(Out)	Output BITS composite clock
5	-(Out)	Output BITS composite clock
6	MLT-A	Metallic Loop Test-A (future)
7	MLT-B	Metallic Loop Test-B (future)

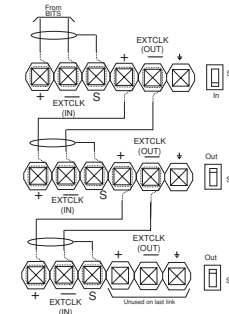
- Office timing supply pins (EXTCLK IN, + and -) are used only if a local clock source connection is needed.
- Clock termination switch SW1 is positioned to IN on a single shelf installation.

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

Wiring Multiple Shelves From One Clock

1. The EXTCLK OUT + and - pins supply the clock to the next shelf in the daisy chain and connects to EXTCLK IN + and -.
2. Clock termination switch SW1 would be positioned to Out on all shelves except the first in the chain.

Note: The daisy chain process can be repeated for up to eight shelves.



T1/FT1 CONNECTION

Primary RJ-48 Connector – T1

Pin	T1	Function
1	Ring 1	input
2	Tip 1	input
4	Ring	output
5	Tip	output

T1 Alternate wire-wrap pins on terminal strip – P3

Note: Only one connector type should be used, not both.

Primary RJ-48 Connector – FT1

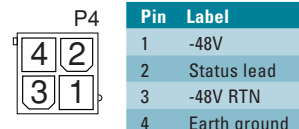
Pin	T1	Function
1	Ring	output
2	Tip	output
4	Ring 1	input
5	Tip 1	input

Pin	Alternate T1
1	R1 - Ring 1
2	T1 - Tip 1
3	R - Ring
4	T-Tip
5	Gnd

POWER CONNECTIONS

Modular DC Plug (Primary -48 Vdc In)

- Used when powered by the ADTRAN AC/DC Power Supply unit (P/N 1175043L1) which mounts external to the chassis.



Three Lug Terminal Strip (Alternate -48 Vdc In) – P5

- Used when -48 V is available on site and screw-type terminal connections are desired

Note: The power should be the last connection made after all other wire-wrap connections are completed.

Note: Only one connector type should be used, not both.

OFFICE ALARM CONNECTIONS – P6

Pin	Label	Function
1	-48 ALM	DC Alarm output
2	MJVR	Major Alarm Visual Return
3	MJV	Major Alarm Visual
4	MJR	Major Alarm Audible Return
5	MJ	Major Alarm Audible

- Alarm relay contacts are open during normal operation and closed in the event of an alarm.

ALTERNATE CONNECTIONS (T1 & POWER)

- Remove the plate to access these connections.

Note: Use wire gauge suitable for the application.

1. Identify the designated wire-wrap pins and make the connections starting with the pins closest to the exit port first to avoid wiring interference.
2. If alternate power connection to P5 is to be used, make those connections last.
3. Carefully route wiring through the exit port.
4. Position and align the access cover tabs to the slots, insert the tabs and slide the cover up slightly until the screw holes are aligned. Ensure that the exit wiring is not pinched or damaged.

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.