Type 400 Single Mount Housing For Loop Powered Network Termination Units Installation and Maintenance

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1. GENERAL

This section provides installation and maintenance information for the ADTRAN® Type 400 (T400) Single Mount Housing, illustrated in **Figure 1**.

Description

The ADTRAN T400 housing is used with a Loop Powered (LP) Type 400 network termination unit and is located at the customers premises. Functioning as a point-of-demarcation, the combination housing and circuit pack provide diagnostic and provisioning information useful in installation and trouble isolation procedures.

Connections are made to the unit by a screw terminal block and an RJ-48 jack.

Document Revision History

This document has been revised to include additional grounding information.

Features

The ADTRAN T400 LP Housing, P/N 1212007L1, features include:

- Standalone Type-400 housing

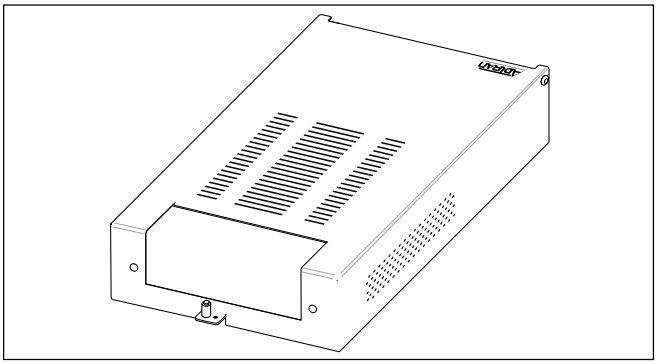

Figure 1. T400 LP Housing

- Span Powered
- Network connection via terminal barrier strip
- Customer connects to RJ-48 or barrier strip
- Durable metal enclosure

2. INSTALLATION

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

After unpacking the unit, inspect it for damage. If damage is discovered, file a claim with the carrier and then contact ADTRAN. See *Warranty and Customer Service*.

The ADTRAN T400 LP housing may be mounted using the mounting holes shown in **Figure 2**.

Open the cover and insert the circuit card through the front of the housing until it snaps into the card edge connector (J1), shown in Figure 2. After making the interface connections and lowering and securing the cover, the unit is ready for normal operation. Some circuit cards may require a frame ground connection to pin 11 or 27 of the gold finger connector. A ground lug (L1), as illustrated in Figure 2, is provided to connect an external frame ground wire to the unit.

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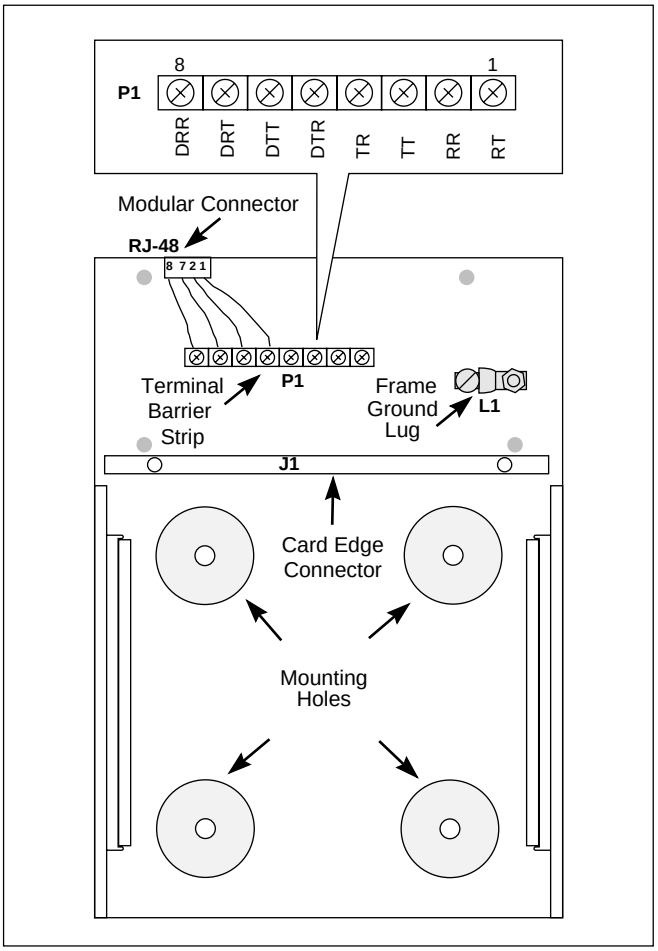

Figure 2. T400 LP Housing with Cover Open

The ground lug provides an external Frame Ground connection for pins 11 and 27 of the plugin's gold finger card edge. Insert the grounding wire into the housing through the Network portal of the rear panel, as illustrated in **Figure 3**.

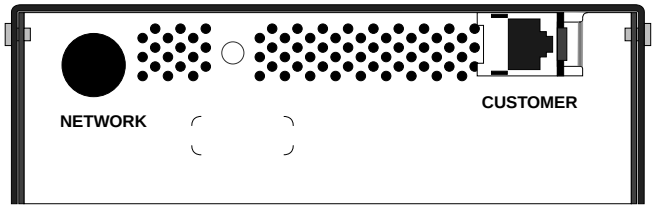

Figure 3. T400 LP Housing Rear Panel

3. CONNECTIONS

The barrier strip provides screw-down terminals for network and customer signal interfaces. Customer-side connections are usually made through the RJ-48 connector which is prewired to the barrier strip. To connect to the barrier strip, conductors should be placed beneath the square washer of each screw terminal and tightened. **Table 1** provides cable pair connections and descriptions.

The T400 LP housing is compatible with other loop-powered T400 units. **Table 2** describes the terminal barrier strip and circuit card gold finger connector interface signal assignments.

Table 1. Cable Pairs

Pair*	Description
RT, RR	From Network
TT, TR	To Network
DRT, DRR	To Customer
DTT, DTR	From Customer
* The conductors of each pair are not polarity sensitive.	

Table 2. Barrier Strip Interface Connection to Card Edge Connector

Terminal Barrier Strip (P1)	Circuit Card Gold Finger Connector
DRT	5
RT	7
RR	13
DRR	15
TT	41
TR	47
DTR	49
DTT	55

4. MAINTENANCE

The Model T400 LP housing does not require maintenance to operate properly. In case of equipment failure, remove the unit and replace it with another unit.

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 ten years from the date of shipment if it does not meet its published specifications or fails while in service (see ADTRAN *Carrier Networks Equipment Warranty, Repair, and Return Policy and Procedure,* document 60000087-10).

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 Sales

Pricing and availability
(800) 827-0807

ADTRAN Technical Support

Pre-sales Applications/Post-sales Technical Assistance
(800) 726-8663

Standard hours: Monday - Friday, 7 a.m. - 7 p.m. CST
Emergency hours: 7 days/week, 24 hours/day

ADTRAN Repair/CAPS

Return for repair / upgrade
(256) 963-8722

Repair and Return Address:

ADTRAN, Inc.
CAPS
901 Explorer Boulevard
Huntsville, Alabama 35806-2807