

Access & Power Integration

Altronix/Mercury Wired Kits

Models Include:

T1DC3LCK1

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) PD8UL - Fused Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses for one (1) LP1502 and one (1) MR52

T1DC3LCK1D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) PD8ULCB - PTC Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses for one (1) LP1502 and one (1) MR52

All components of these Trove kits are UL Listed sub-assemblies.

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide



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Rev. 1217224

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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Overview:

Altronix T1DC3LCK1(D) Trove Mercury kit is pre-assembled and consists of Trove enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies. It also accommodates a variety of Mercury modules for up to four doors in a single enclosure.

Configuration Chart:

Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main Outputs on Power Supply board and ACM(CB) Power Distribution Module's outputs	Nominal DC Output Voltage Range (VDC)	Fail-Safe/ Fail-Secure Outputs	Additional Fuse or PTC Protected Outputs	ACM4(CB) Input Fuse (PTC) Rating	ACM4(CB) Output Fuse (PTC) Rating	PD8UL(CB) Output Fuse (PTC) Rating
T1DC3LCK1	3.0	5A/ 250V	15A/ 32V	24VDC @ 5.8A	20.17- 26.4	4	8	10A/ 32V	3A/ 32V	3.5A/ 250V
T1DC3LCK1D	3.0	5A/ 250V	15A/ 32V	24VDC @ 5.8A	20.17- 26.4	4	8	9A	2.5A	2.5A

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

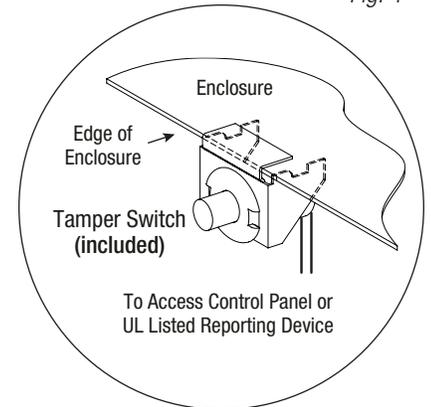
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws; level and secure. Mark the position of the lower two holes. Remove the enclosure. Drill the lower holes and install the two fasteners. Place the enclosure's upper keyholes over the three upper screws. Install the three lower screws and make sure to tighten all screws.
3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (*Fig. 1, pg. 2*). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
4. Connect unswitched AC power (1150VAC 60Hz) to RSB1. Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground. Green "AC" LED on power supply board will turn on.

This light can be seen through the LED lens on the door of the enclosure.

Keep power-limited wiring separate from non power-limited wiring (115VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.
CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.
Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount Mercury modules to backplane(s), refer to *page 3*.
7. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB and corresponding *Installation Guides* for ACM4(CB) and PD8UL(CB) for further installation instructions.

Fig. 1



T1DC3LCK1(D): Configuration of Mercury Boards:

1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2, pg. 3).
2. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

LenelS2 / Mercury Access Controller	Pem Mounting
LP1502	(A)
MR52	(B)

Fig. 2

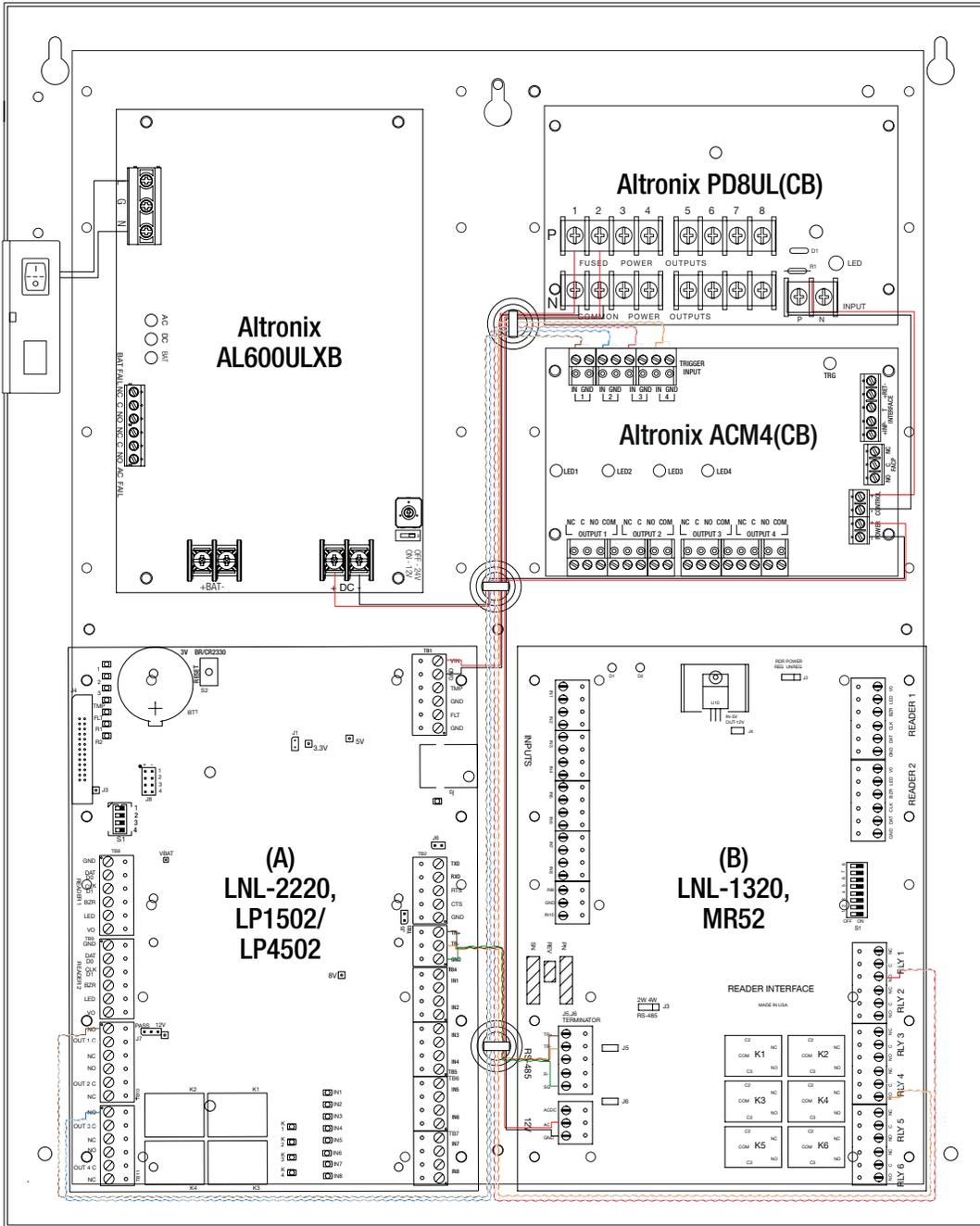
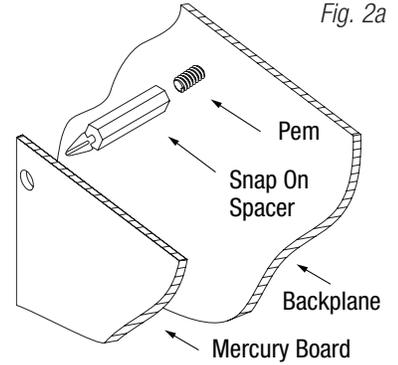
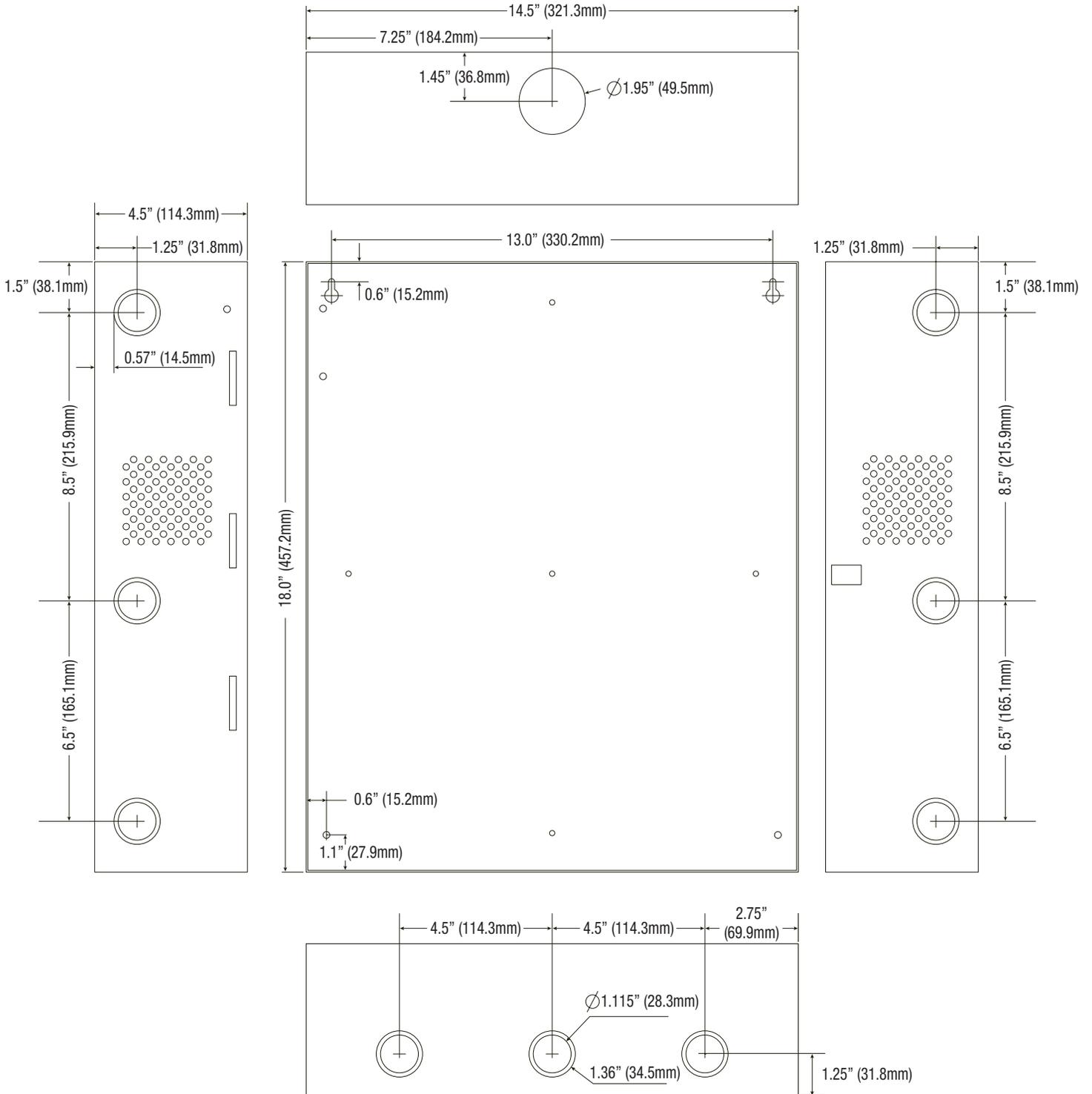


Fig. 2a



Trove1 Enclosure Dimensions (H x W x D approximate):

18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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