

TRIVE™

Access & Power Integration

Altronix/Mercury Kits

Models Include:

T3MK7716S

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- (2) AL1024ULXB2 - Power Supply/Chargers
- (2) ACM8 - Fused Access Power Controllers
- (2) PDS8 - Dual Input Fused Power Distribution Modules
- (1) VR6 - Voltage Regulator
- (1) RSB2 - Rocker Switch Bracket with
Two (2) Rocker Switches (not evaluated by UL)

T3MK7716SD

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- (2) AL1024ULXB2 - Power Supply/Chargers
- (2) ACM8CB - PTC Access Power Controllers
- (2) PDS8CB - Dual Input PTC Power Distribution Modules
- (1) VR6 - Voltage Regulator
- (1) RSB2 - Rocker Switch Bracket with
Two (2) Rocker Switches (not evaluated by UL)

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. 091522

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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Overview:

Altronix Trove Mercury kits are pre-assembled and consist of Trove3M3 enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies. These kits also accommodate various combinations of Mercury boards for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

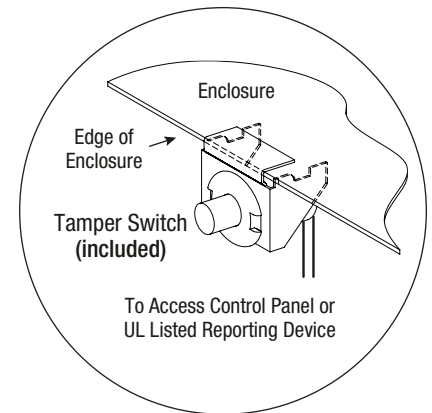
Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACM8(CB) Output (A)	ACM8(CB) Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACM8CB Board Output PTC Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating
				Power Supply 1	Power Supply 2										
				Output Range (VDC)	Output Range (VDC)										
T3MK7716S	9	5A/250V	15A/32V	20.17-26.4	20.17-26.4	24VDC @ 9.2A	16	2.5	10A/250V	2.5A/250V	—	10A/32V	3A/32V	—	—
T3MK7716SD	9	5A/250V	15A/32V	20.17-26.4	20.17-26.4	24VDC @ 9.2A	16	2.5	10A/250V	—	2A	—	—	9A	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 three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the three 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. Mount Mercury boards to backplane, refer to *page 3*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2 and *Sub-Assembly Installation Guide* for ACM8(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1



Hardware:

 Snap On Spacer |  5/16" Pan Head Screw |  Lock Nut

T3MK7716S and T3MK7716SD: Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A) (B) of backplane depending on the access controller (Fig. 2, pg. 3).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
EP1501, MR51e	(C)
MR52	(D)

Fig. 2

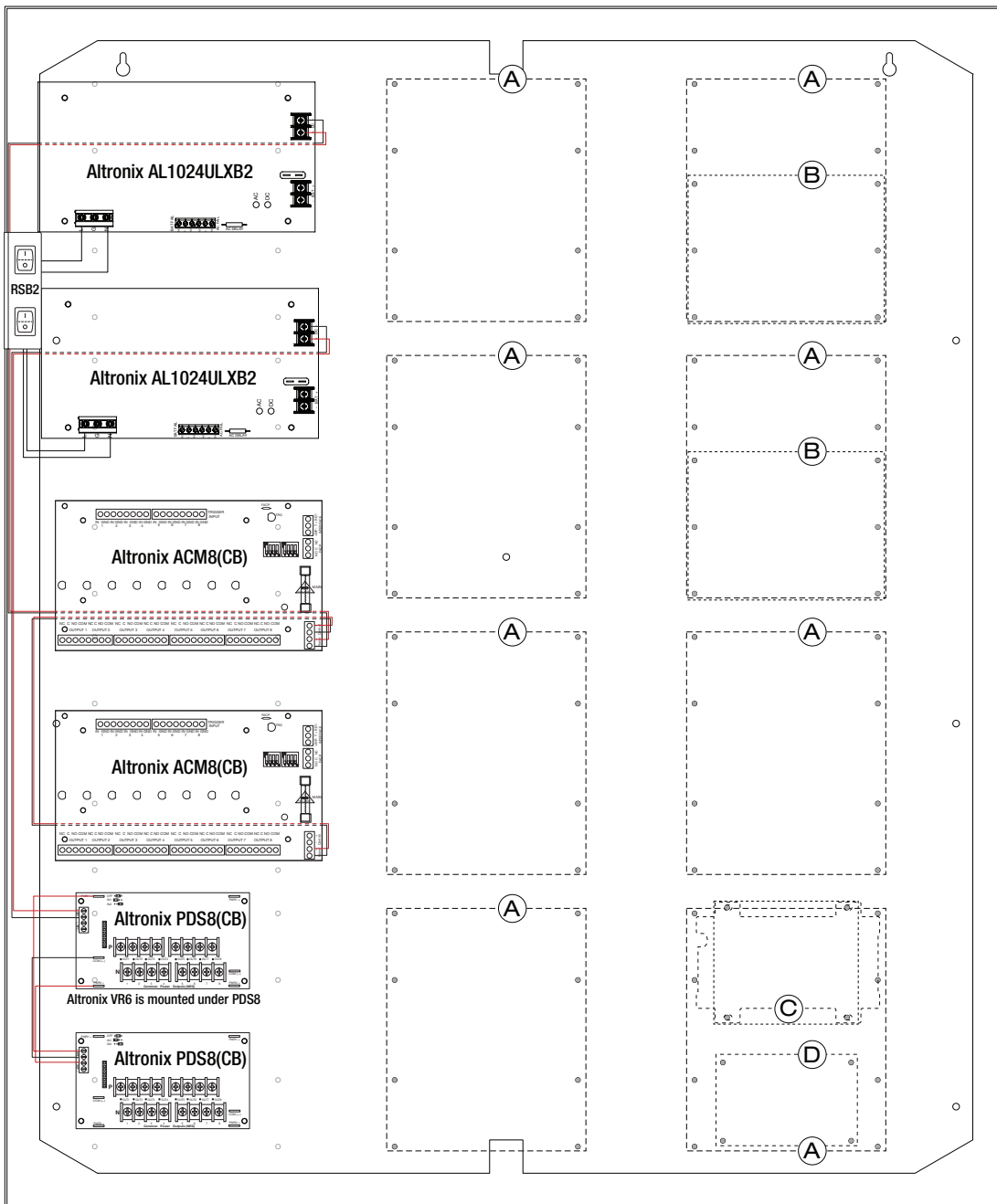
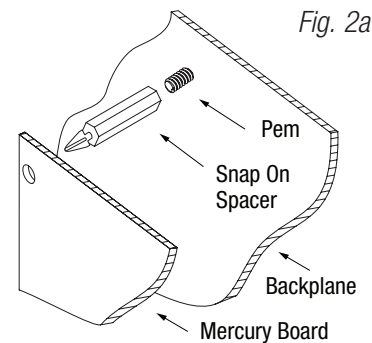
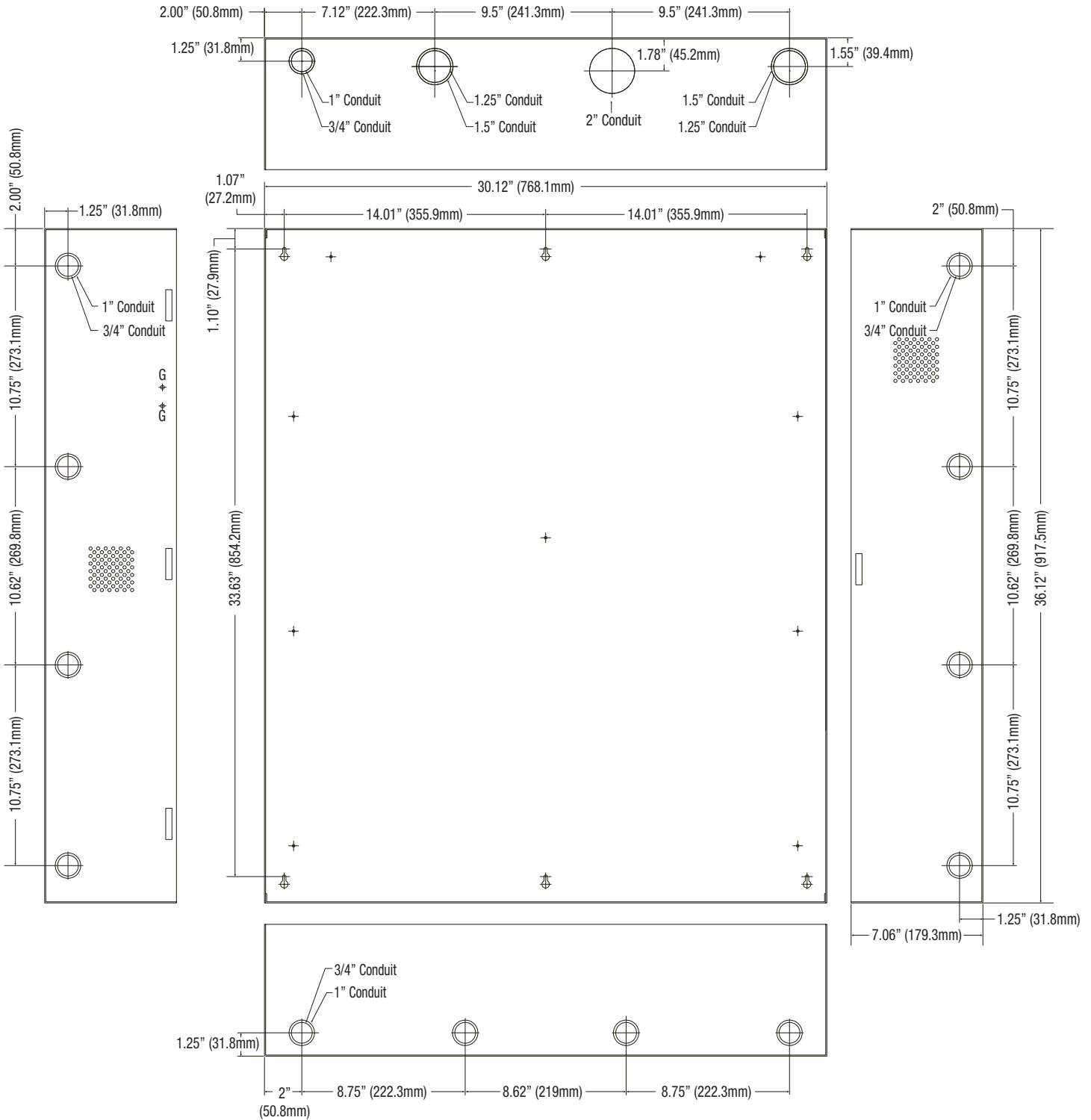


Fig. 2a



Enclosure Dimensions (H x W x D approximate):
 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)



Altronix is not responsible for any typographical errors.

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 IIT3MK7716S(D)

I15V



T3MK7716S(D) Installation Guide