TROVE™

Access & Power Integration

T2MK7F8SD

8 Door Altronix/Mercury Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- (1) eFlow104NB - Power Supply/Charger
- (1) ACMS8CB - Dual Input PTC Access Power Controller
- (1) VR6 - Voltage Regulator
- (1) PDS8CB - Dual Input PTC Power Distribution Module
- (1) RSB1 - Rocker Switch Bracket with one Rocker Switch (not evaluated by UL)

All components of this Trove kit are UL Listed sub-assemblies.
Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide

CE

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Rev. 051822

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix T2MK7F8SD is pre-assembled and consists of Trove2M2 enclosure with factory installed Altronix power supply/charger and sub-assemblies. This kit also accommodates various combinations of Mercury boards for up to eight (8) doors in a single enclosure.

Configuration Chart:

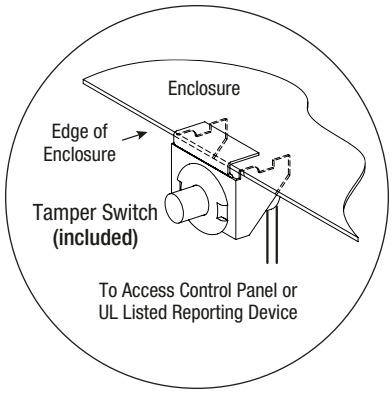
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Maximum Supply Current for Outputs on Power Supply board, ACMS8CB Access Control Module and PDS8CB Power Distribution Module's outputs	Current Per ACMS8CB and PDS8CB Output (A)	ACMS8CB Input PTC Rating (A)	PDS8CB Input Fuse Rating (A)	ACMS8CB and PD8ULCB Output PTC Rating (A)
T2MK7F8SD	4.5	6.3A/ 250V	10A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 9.7A	2.0	9	10A/32V	2.5

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. Connect unswitched AC power (120VAC 60Hz) to terminals marked [L, N].
   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 (120VAC 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. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACMS8CB, VR6 and PDS8CB for further installation instructions.
7. Fasten snap on spacers onto metal pems configuration of backplane depending on the Mercury access controller *(Fig. 2, pg. 3)*.
8. Position Mercury access controller module over corresponding spacers and depress onto snap on spacers *(Fig. 2, pg. 3)*.
9. Mount backplane to enclosure with hardware.

Fig. 1



Hardware:

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

T2MK7F8SD: Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) 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)
MR50	(D)

Fig. 2

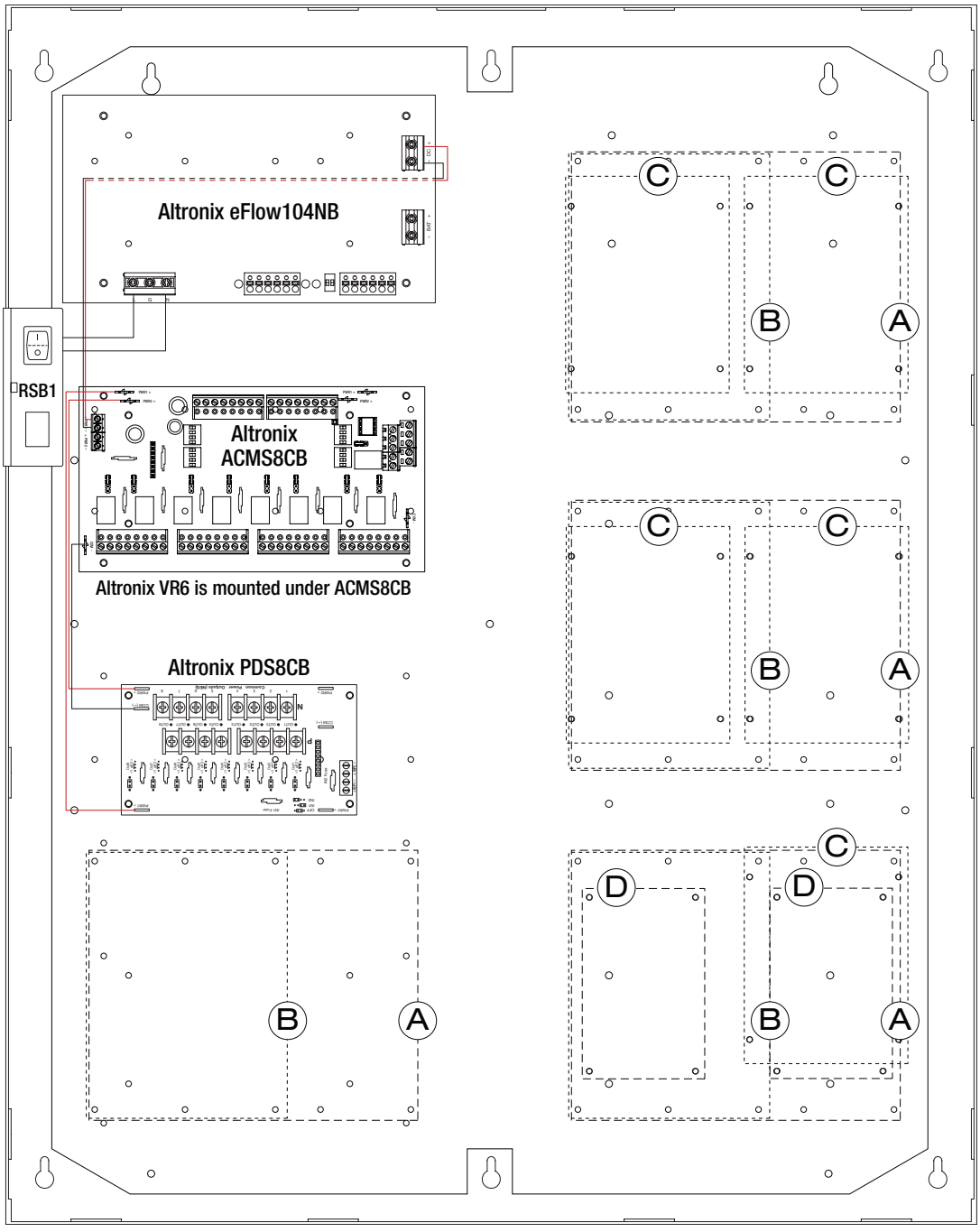
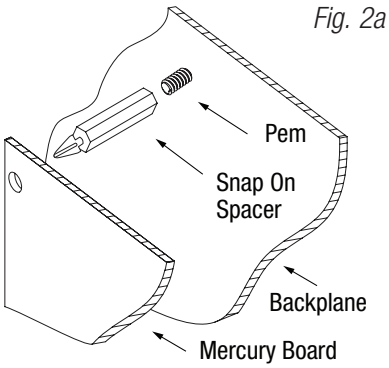
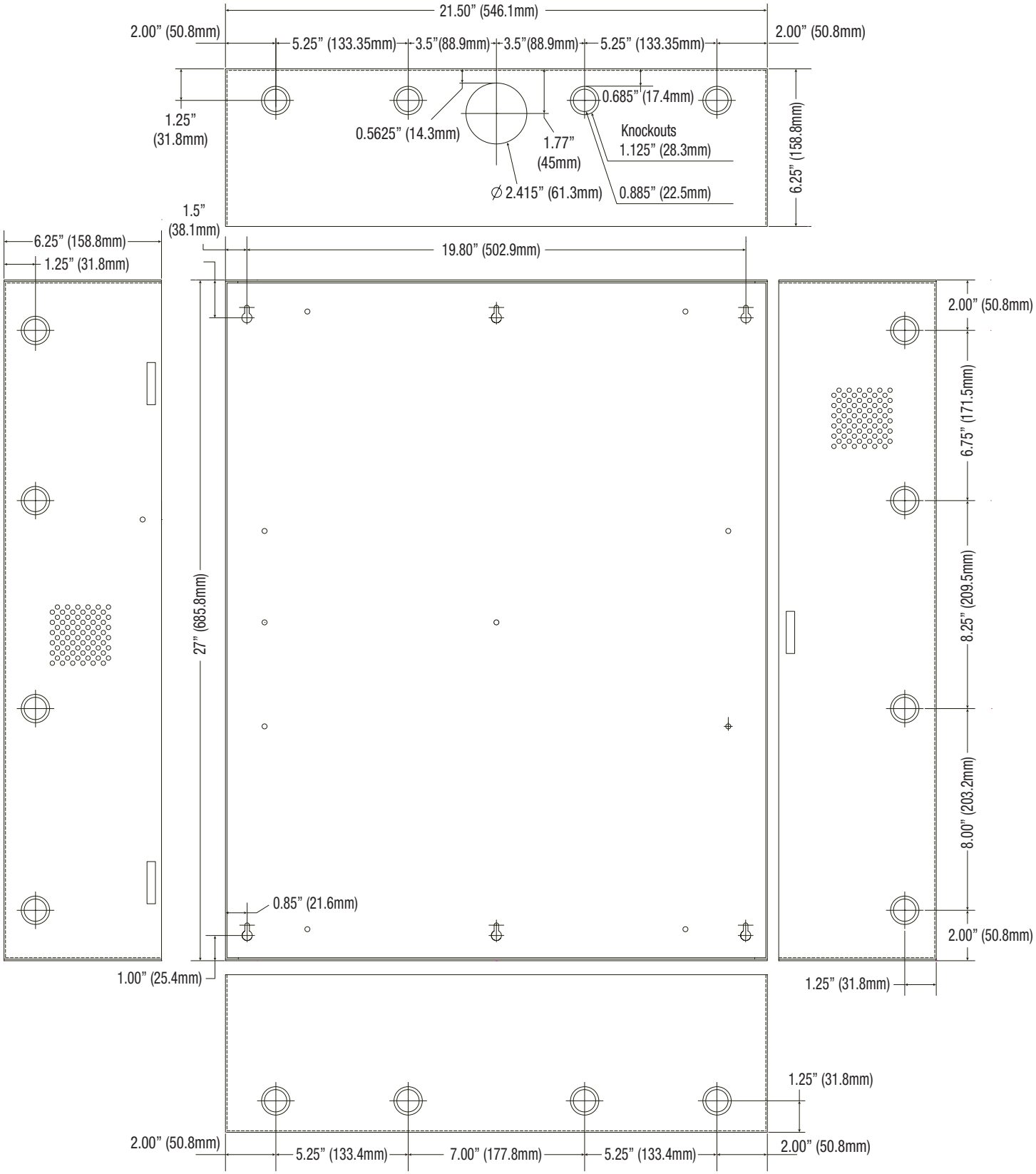


Fig. 2a



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

27.25” x 21.5” x 6.5” (692.2mm x 552.5mm x 165.1mm)



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