TROVE™

Access & Power Integration

T2MK7F8PQ

8 Door Altronix/Mercury Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) LINQ8PD - Fuse Protected Networked Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fuse Protected Power Distribution Module

Installation Guide

CE

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Rev. 080118

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix T2MK7F8PQ Trove Mercury kit is pre-assembled and consists of Trove2M2 enclosure with factory installed Altronix power supply/charger and sub-assemblies. T2MK7F8PQ kit also accommodates various combinations of Mercury boards for up to eight (8) doors in a single enclosure.

Configuration Chart:

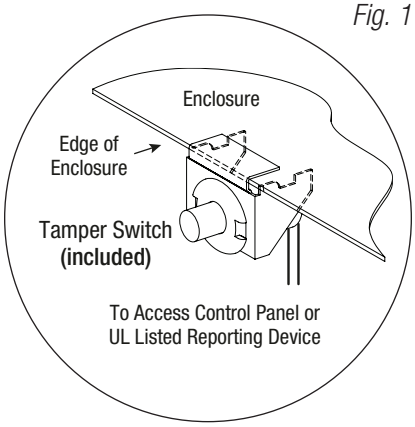
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Maximum Supply Current for Main and Aux. Outputs on Power Supply Board	LINQ8PD Board Input Fuse Rating	LINQ8PD Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating
T2MK7F8PQ	4.5	6.3A/ 250V	15A/ 32V	20.19-26.4	20.19-26.4	24VDC @ 9.2A	15A/32V	3A/32V	10A/ 32V	3A/ 32V

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 two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/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 two/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 modules to backplane(s), refer to *page 3*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for LINQ8PD, PDS8 and VR6 for further installation instructions.

Fig. 1



Hardware:

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

T2MK7F8PQ: 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

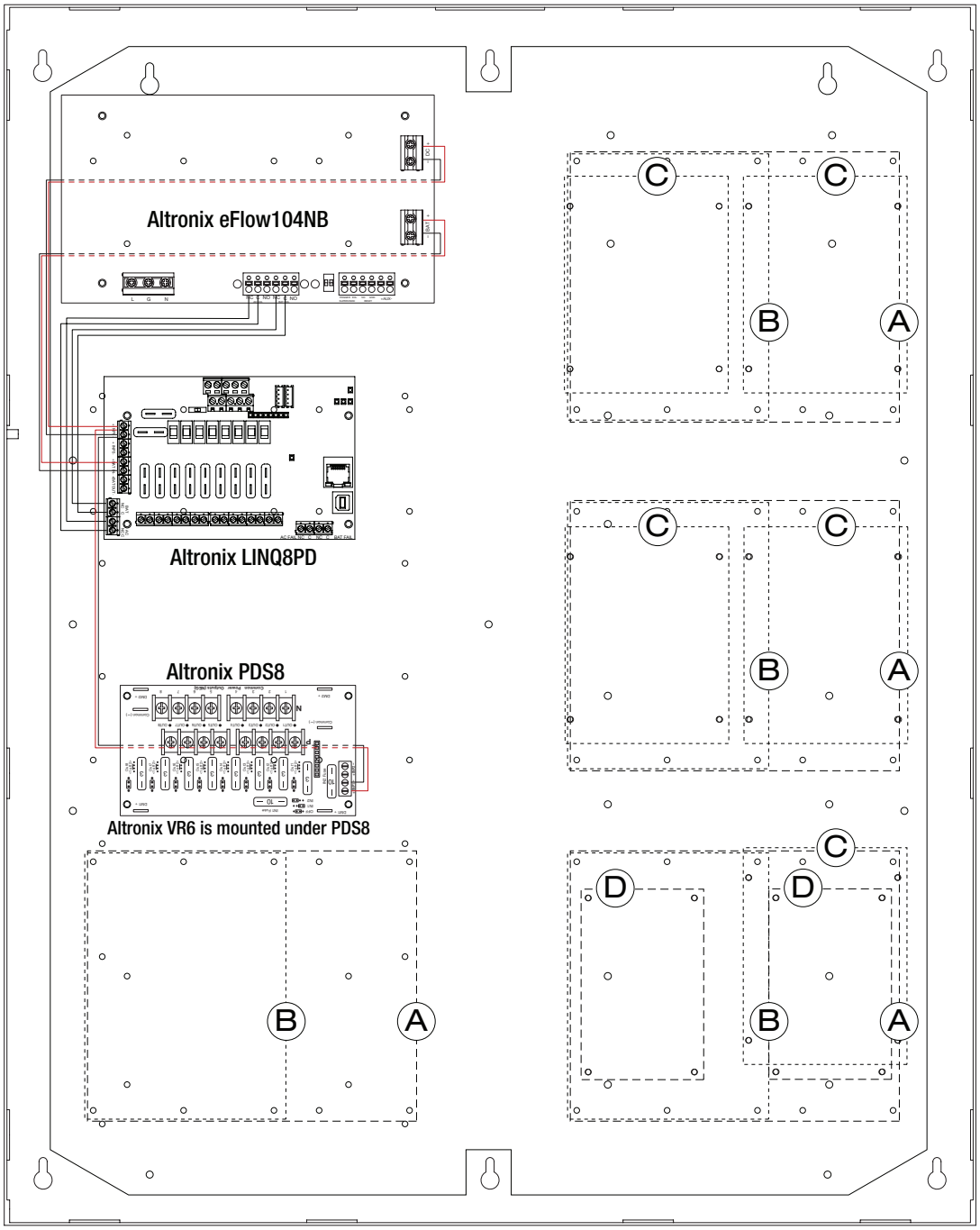
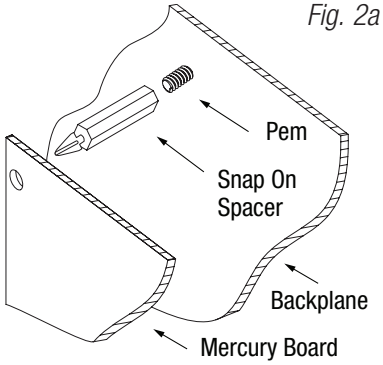
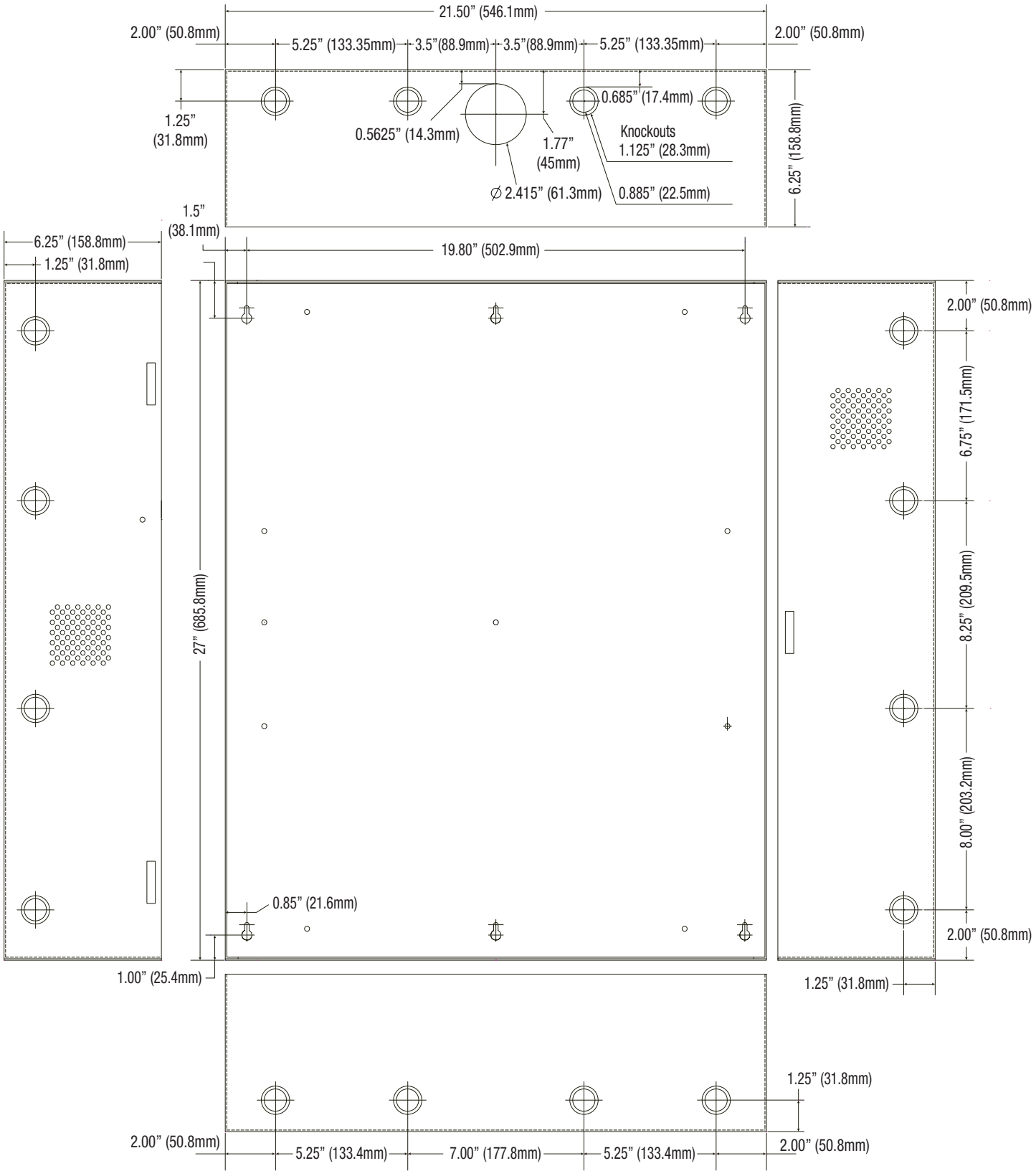


Fig. 2a



Trove2 Enclosure Dimensions (H x W x D approximate)**:**

27.25” x 21.75” x 6.5” (692.2mm x 552.5mm x 165.1mm)