TROVE™

Access & Power Integration

Altronix/Mercury Network Kits

Models Include:

T2MK7F8QAPV

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 Altronix/Mercury Door Backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) LINQ8ACM - Network Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) LINQ8PD - Network Fused Power Distribution Module
- One (1) NetWay5B - 5-Port Hardened Switch
- One (1) RSB1 - Rocker Switch Bracket with one (1) Rocker Switch

T2MK7F8DQAPV

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 Altronix/Mercury Door Backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) LINQ8ACMCB - Network PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) LINQ8PDCB - Network PTC Power Distribution Module
- One (1) NetWay5B - 5-Port Hardened Switch
- One (1) RSB1 - Rocker Switch Bracket with one (1) Rocker Switch

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

Installation Guide

CE

Altronix®

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Rev. 081823

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Mercury kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. Both kits accommodate a variety of Mercury modules for up to eight doors in a single enclosure.

Configuration Chart:

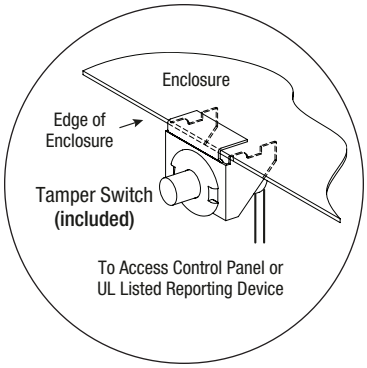
Altronix Model Number	220VAC 50/60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board, and LINQ8ACM(CB) Access Power Controllers' outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fuse (PTC) Protected Outputs	LINQ8ACM(CB) and LINQ8PD)CB) Boards Input Fuse (PTC) Rating	LINQ8ACM(CB) and LINQ8PD)CB) Boards OUTput Fuse (PTC) Rating	NetWay5B Switch Outputs
					[DC]	[Aux]					
					Output Range (VDC)	Output Range (VDC)					
T2MK7F8QAPV	2.7	6.3A/ 250V	15A/ 32V	24VDC @ 9.6A	20.17-26.4	20.28-26.4	8	8	15A/ 32V	3A/ 32V	Five (5) data ports
T2MK7F8DQAPV	2.7	6.3A/ 250V	15A/ 32V	24VDC @ 9.6A	20.17-26.4	20.28-26.4	8	8	9A	2.5A	Five (5) data ports

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 (3) keyholes in the enclosure. Install three (3) 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 (3) holes. Remove the enclosure. Drill the lower holes and install the three (3) fasteners. Place the enclosure's upper keyholes over the three (3) 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 (220VAC 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 (220VAC 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 access controller modules over corresponding spacers *(Fig. 2, 3, pg. 3, 4)*.
7. Mount backplane to enclosure with hardware.
8. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NBV and corresponding *Sub-Assembly Installation Guides* for LINQ8ACM(CB), LINQ8PD(CB), VR6 and NetWay5B for further installation instructions.

Fig. 1



Hardware:

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

T2MK7F8QAPV and T2MK7F8DQAPV: Configuration of Mercury Boards on TM2:

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 fasten screws into 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

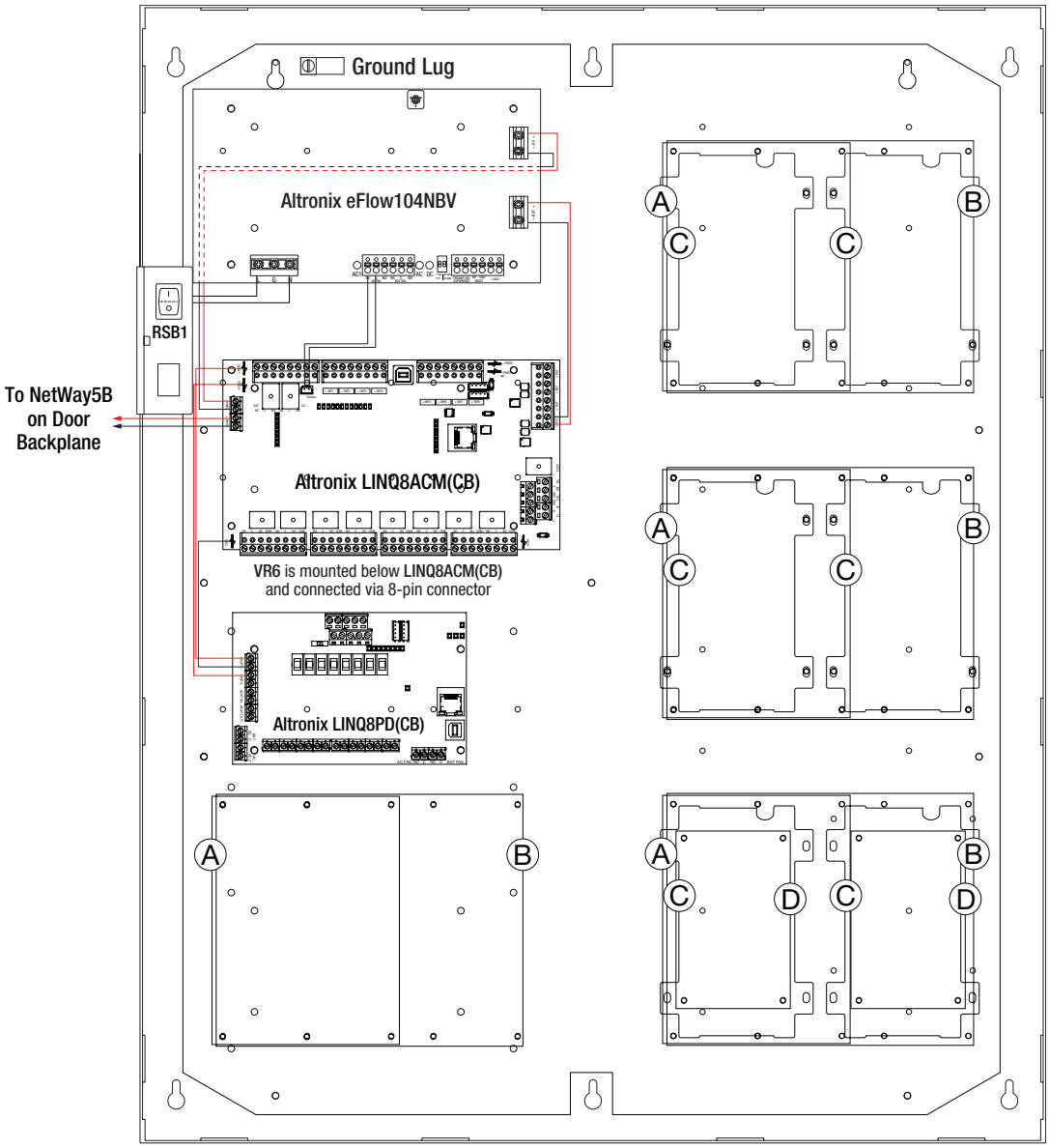
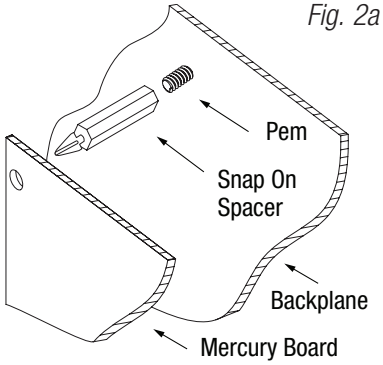


Fig. 2a



T2MK7F8QAPV and T2MK7F8DQAPV: Configuration of Mercury Boards on TMV2:

TMV2 accommodates a variety of Mercury boards with or without Altronix sub-assemblies for access systems.

Configuration of Mercury and/or Altronix Boards

Mercury Access Controllers:

1. Fasten snap on spacers onto metal pems configuration (A) (B) of backplane depending on the access controller *(Fig. 3 pg. 4)*.
2. Position access controller module over corresponding spacers and depress onto snap on spacers *(Fig. 3a, pg. 4)*.
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)

Fig. 3

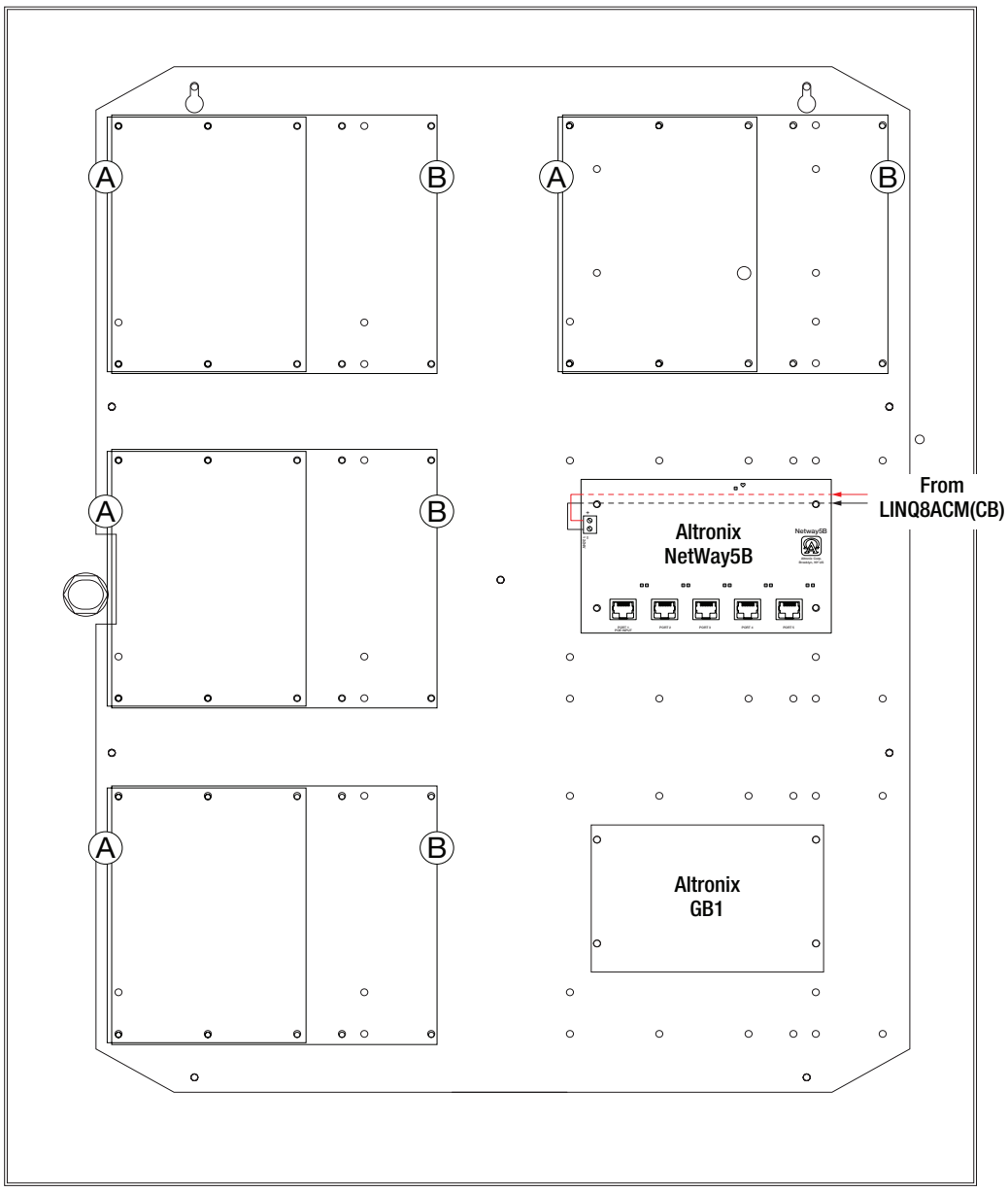
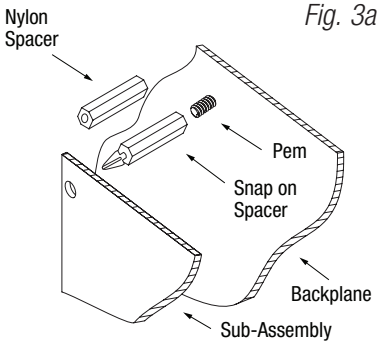


Fig. 3a



Notes:

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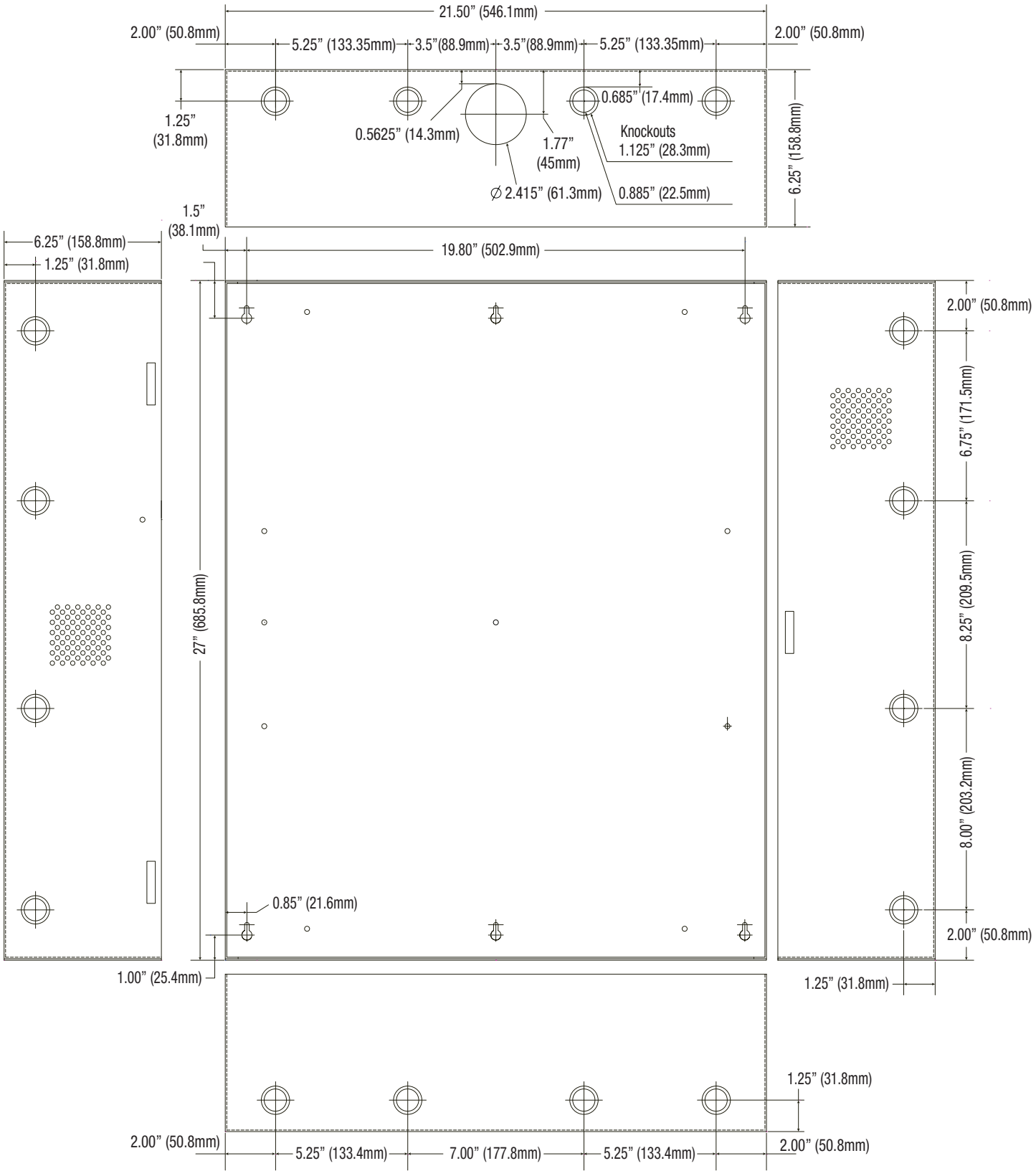
Enclosure Dimensions (H x W x D approximate)**:**

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



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