

Access & Power Integration

Altronix/Mercury Networked Kits

Models Include:

T3MK75F16SQ

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8ACM - Networked Fuse Protected Access Power Controllers
- Two (2) LINQ8PD - Networked Fuse Protected Power Distribution Modules
- One (1) NetWay5A - 5-Port Hardened Switch Board
- One (1) BR1 - Mounting Bracket
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Switches

T3MK75F16SDQ

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8ACMCB - Networked PTC Protected Access Power Controllers
- Two (2) LINQ8PDCB - Networked Fuse Protected Power Distribution Modules
- One (1) NetWay5A - 5-Port Hardened Switch Board
- One (1) BR1 - Mounting Bracket
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Switches

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

Installation Guide



All registered trademarks are property of their respective owners.



More than just power.™

Rev. 102425

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix T3MK75F16S(D)Q Trove Mercury kit is pre-assembled and consists of Trove3M3 enclosure with factory installed Altronix power supply/charger and sub-assemblies. T3MK75F16S(D)Q kit also accommodates various combinations of Mercury boards for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Boards Input Fuse Ratings	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board, LINQ8ACM(CB) Access Power Controller(s) and LINQ8PD(CB) outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fuse (PTC) Protected Outputs	Current Per LINQ8ACM(CB) and LINQ8PD(CB) Output (A)	LINQ8ACM(CB) and LINQ8PD(CB) Board Input Fuse (PTC) Rating	LINQ8ACM(CB) and LINQ8PD(CB) Board Output Fuse (PTC) Rating	NetWay5B Switch Outputs
				Power Supply 1		Power Supply 2								
				[DC]	[Aux]	[DC]	[Aux]							
T3MK75F16SQ	8.0	eFlow104NB: 6.3A/250V	10A/ 32V	20.17- 26.4	20.28- 26.4	9.7- 13.2	10.03- 13.2	24VDC @ 9.6A 12VDC @ 9.3A	16	16	2.5	15A/ 32V	3A/ 32V	Five (5) data ports
T3MK75F16SDQ		eFlow102NB: 5A/250V									2.0	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 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 switches (Altronix Model TS112 or equivalent) in desired locations, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (*Fig. 1, pg. 2*).

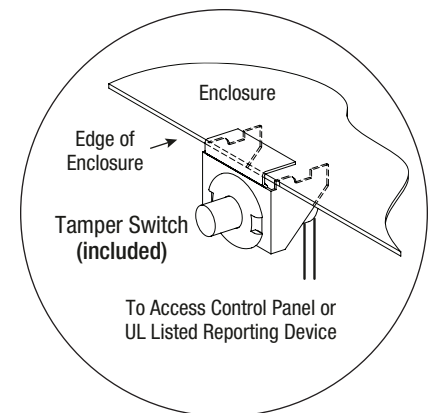
Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.

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. Mount Mercury modules to backplane(s), refer to *page 3*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and eFlow102NB and corresponding *Sub-Assembly Installation Guides* for LINQ8ACM(CB), LINQ8PD(CB), NetWay5A and VR6 for further installation instructions.

Fig. 1



Hardware:

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

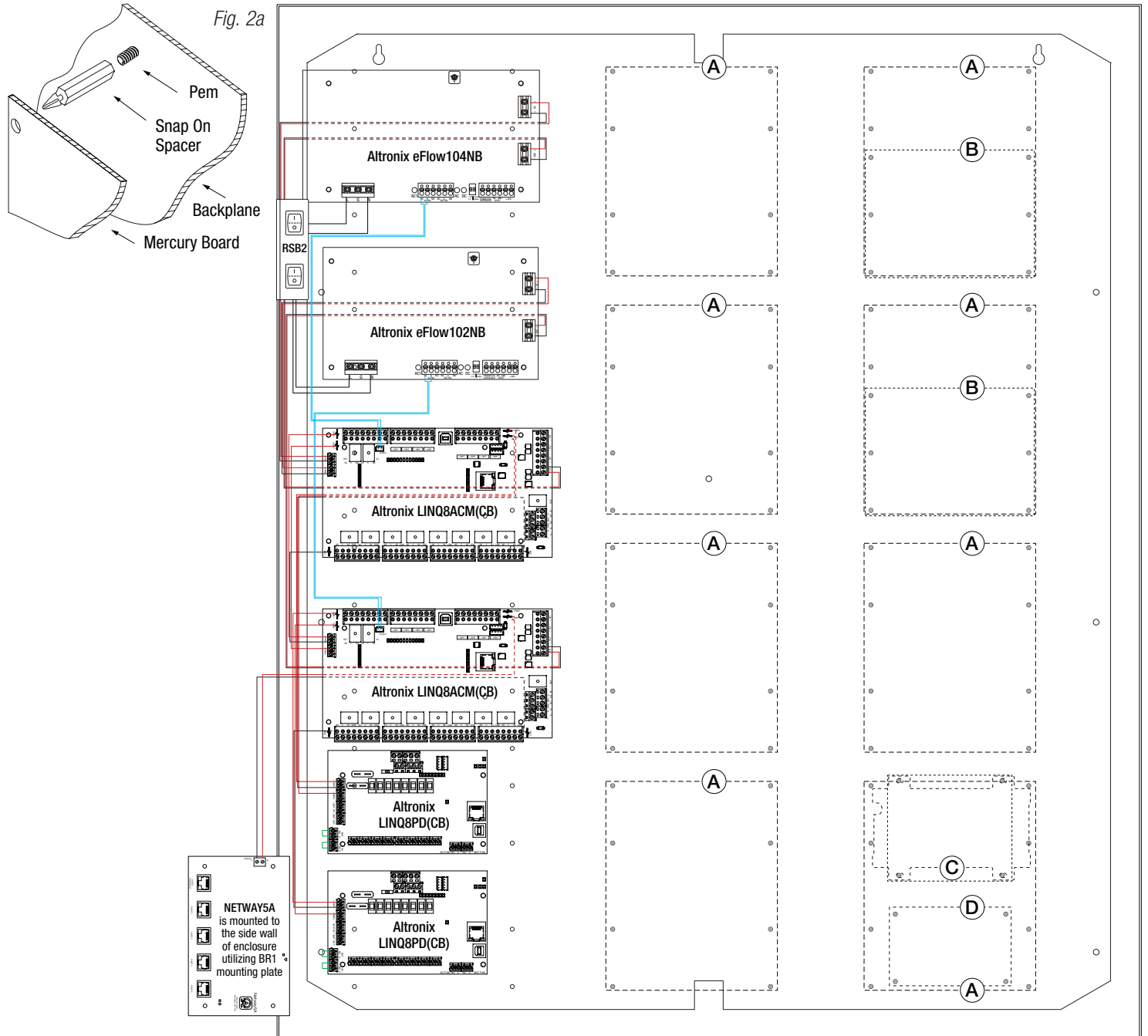
T3MK75F16S(D)Q: Configuration of Mercury Boards:

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.

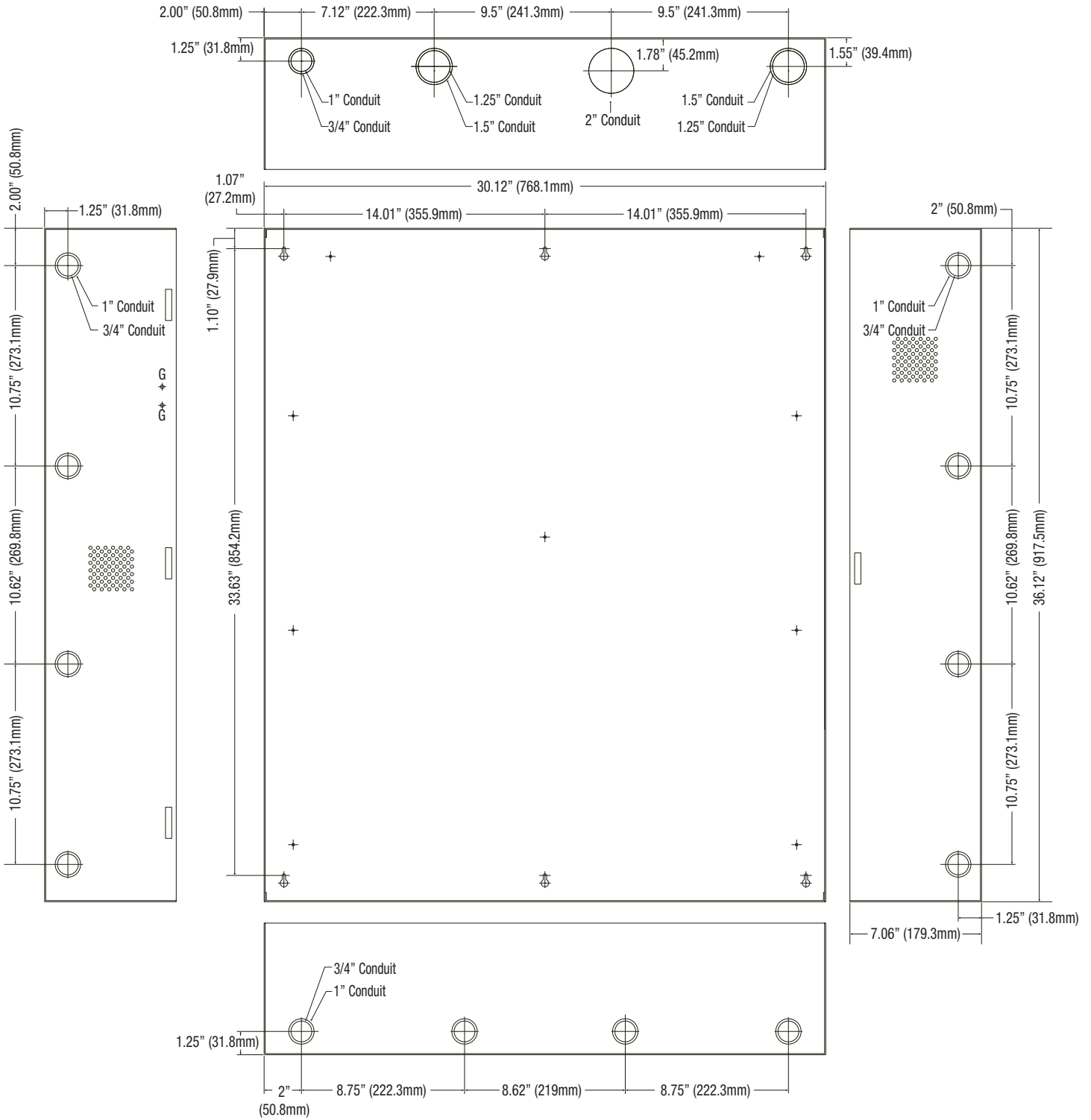
Access Controller Position Chart for the Following Models:

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

Fig. 2



Trove3 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.

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
 web site: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
 IIT3MK75F16S(D)Q

J25X

