Altronix TROVE T2MK3F8Q2 8 Door Kit with Fused Outputs Installation Guide

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**T2MK3F8Q2 8-Door Kit with Fused Outputs
Installation Guide**

The fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow6NB – Power Supply/Charger
- One (1) LINQ2 – Network Communications Module
- One (1) ACM8 – Fuse Protected Access Power Controller
- One (1) RSB1 Rocker Switch Bracket with One (1) Rocker Switch (Not evaluated by UL)

Installation Guide
All components of this Trove kit are UL Listed as sub-assemblies.
Please refer to the included corresponding Sub-Assembly Installation Guides for further information.
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Rev. 032520
Installing Company: _____
Service Rep. Name: _____
Address: _____
Phone #: _____

Contents

Overview:

Altronix T2MK3F8Q2 Trove Mercury kit is pre-assembled and consists of a Trove2M2 enclosure with factory-installed Altronix power supply/charger and sub-assemblies. T2MK3F8Q2 kit also accommodates various combinations of Mercury boards for up to eight (8) doors in a single enclosure.
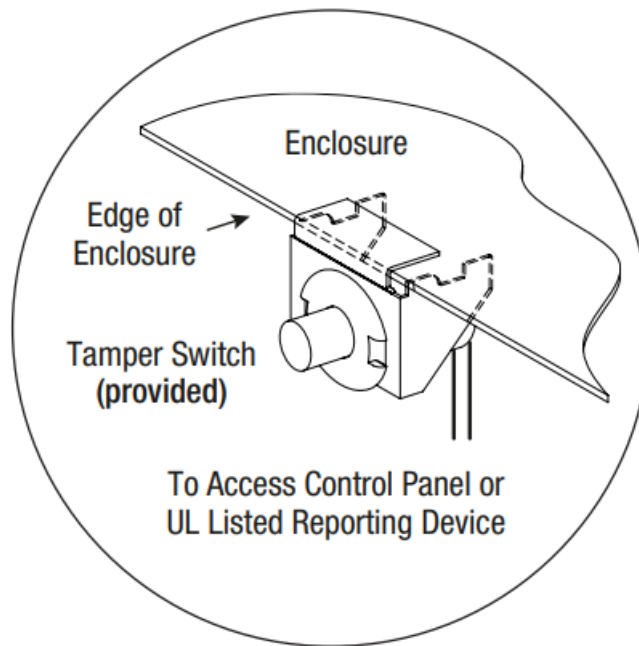
Configuration Chart:

| Altronix Model Number	120VAC 60Hz Input Current (A)	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8 Access Power Controller's outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Current Per ACM8 Output (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating
		[DC] Output Range (VDC)	[Aux] Output Range (VDC)							
T2MK3F8Q2	3.5	20.19-26.4	20.19-26.4	24VDC @ 5.8A	8	2.5	5A/ 250V	10A/ 32V	10A/ 250V	2.5A/ 250V

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. The product is intended for indoor use only.

1. Remove backplane(s) 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 the desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (Fig. 1, on the right).
   Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate the alarm signal open the door of the enclosure.

4. Mount Mercury boards to the backplane, refer to pg. 3.

5. Refer to the eFlow Power Supply/Charger Installation Guide for eFlow6NB, and corresponding Sub-Assembly Installation Guides for LINQ2 and ACM8 for further installation instructions.

Fig. 1

Hardware:

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

T2MK3F8Q2: Configuration of Mercury Boards:

1. Fasten snap-on standoffs onto metal pens configuration (A), (B), (C), or (D) of the backplane depending on the access controller (Fig. 2, pg.
2. Position the access controller module over corresponding standoffs and depress it onto snap-on standoffs (Fig. 2a, pg. 3).
3. Mount the backplane to the 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

Altronix LINQ2 Module

Altronix - eFlow6NB

RSB1

Altronix - ACM8

Fig. 2a

Pem

Snap On Spacer

Backplane

Mercury Board
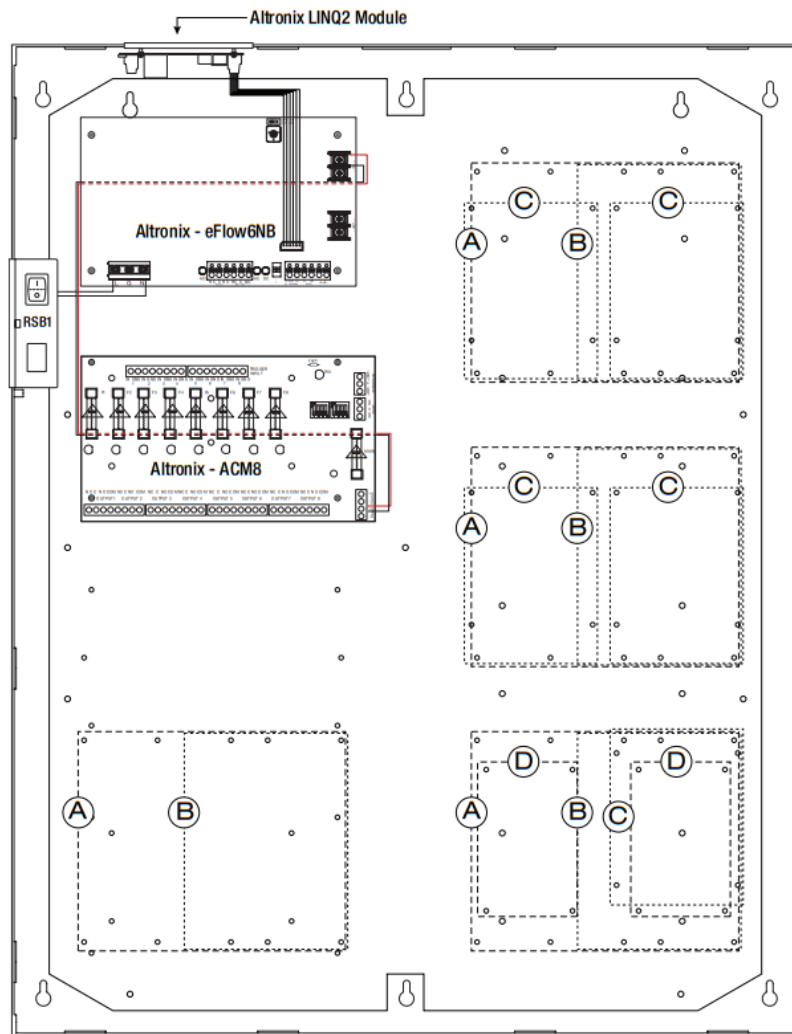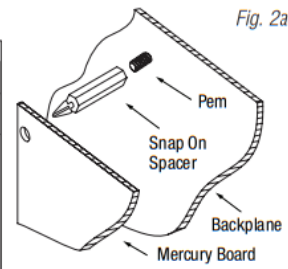
Trove2 Enclosure Dimensions (H x W x D approximate): 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm)

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Lifetime Warranty
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T2MK3F8Q2 Installation Guide

Documents / Resources

Altronix TROVE T2MK3F8Q2 8 Door Kit with Fused Outputs [pdf] Installation Guide
TROVE T2MK3F8Q2 8 Door Kit with Fused Outputs, TROVE T2MK3F8Q2, TROVE, T2MK3F8Q2, 8 Door Kit with Fused Outputs, 8 Door Kit, Door Kit and Fused Outputs, Kit and Fused Outputs

References

- **Altronix Home**