

# TRIVE™

Access & Power Integration

## Altronix/Mercury Kits

### Models Include:

#### T2MK5F8

##### 8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- (1) eFlow102NB - Power Supply/Charger
- (1) ACM8 - Fused Access Power Controller
- (1) PD8UL - Fused Power Distribution Module

#### T2MK5F8Q

##### 8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- (1) eFlow102NB - Power Supply/Charger
- (1) LINQ2 - Network Communications Module
- (1) ACM8 - Fused Access Power Controller
- (1) PD8UL - Fused Power Distribution Module

#### T2MK5F8D

##### 8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- (1) eFlow102NB - Power Supply/Charger
- (1) ACM8CB - PTC Access Power Controller
- (1) PD8ULCB - PTC Power Distribution Module

#### T2MK5F8DQ

##### 8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- (1) eFlow102NB - Power Supply/Charger
- (1) LINQ2 - Network Communications Module
- (1) ACM8CB - PTC Access Power Controller
- (1) PD8ULCB - PTC Power Distribution Module

All components of these Trove kits are UL Listed sub-assemblies.

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

## Installation Guide



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Rev. T2MK5F8032321

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_



More than just power.™

## Overview:

Altronix Trove Mercury kits are pre-assembled and consist of Trove2M2 enclosure/backplane with factory installed Altronix power supply/charger(s) and sub-assemblies. These kits also accommodate various combinations of Mercury boards for up to eight (8) doors in a single enclosure.

## Configuration Chart:

Altronix Model Number	Networkable	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	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(CB) Output (A)	ACM8(CB) Board Input Fuse Rating	ACM8(CB) Board Output Fuse (PTC) Rating	PD8UL(CB) Board Output Fuse (PTC) Rating
					[DC]	[Aux]						
					Output Range (VDC)	Output Range (VDC)						
T2MK5F8	-	3.5	5A/250V	15A/32V	9.7-13.2	10.03-13.2	12VDC @ 9.3A	8	2.5	10A/250V	3.5A/250V	3.5A/250V
T2MK5F8D									2.0	10A/250V	2.5A	2.5A
T2MK5F8Q	✓	3.5	5A/250V	15A/32V	9.7-13.2	10.03-13.2	12VDC @ 9.3A	8	2.5	10A/250V	3.5A/250V	3.5A/250V
T2MK5F8QD									2.0	10A/250V	2.5A	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(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 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.

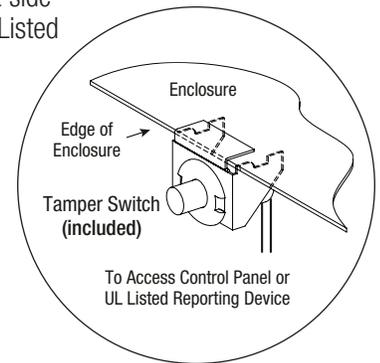
**Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.**

**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 eFlow102NB and *Sub-Assembly Installation Guide* for the following models: ACM8(CB), LINQ2, PD8UL(CB) 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

## T2MK5F8(Q), T2MK5F8D(Q): Configuration of Mercury Boards: 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

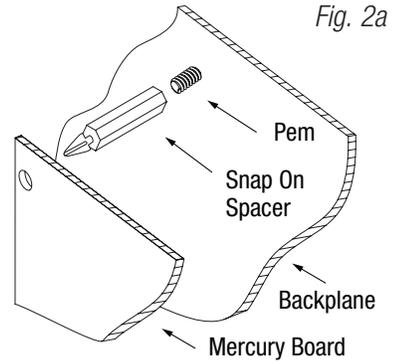
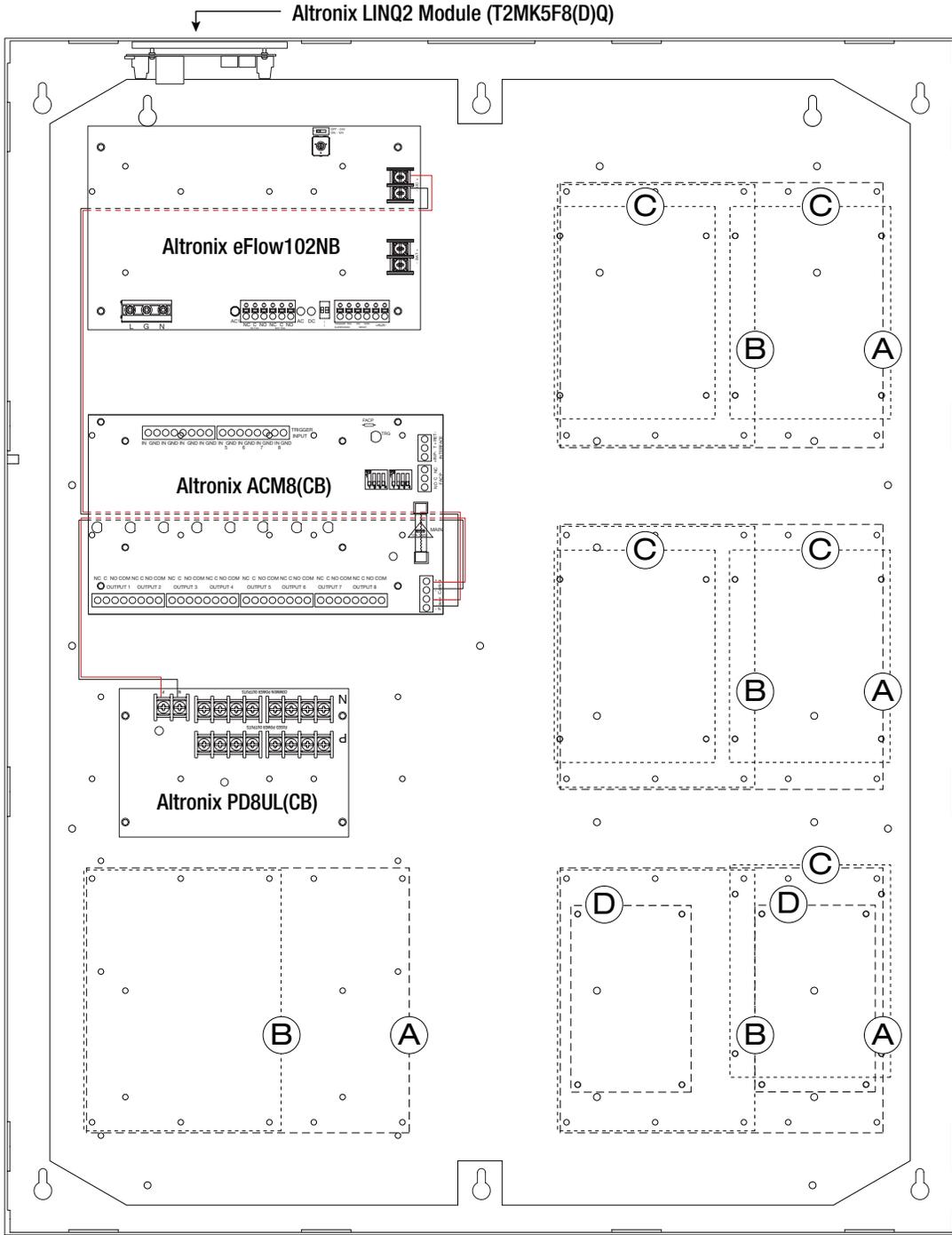
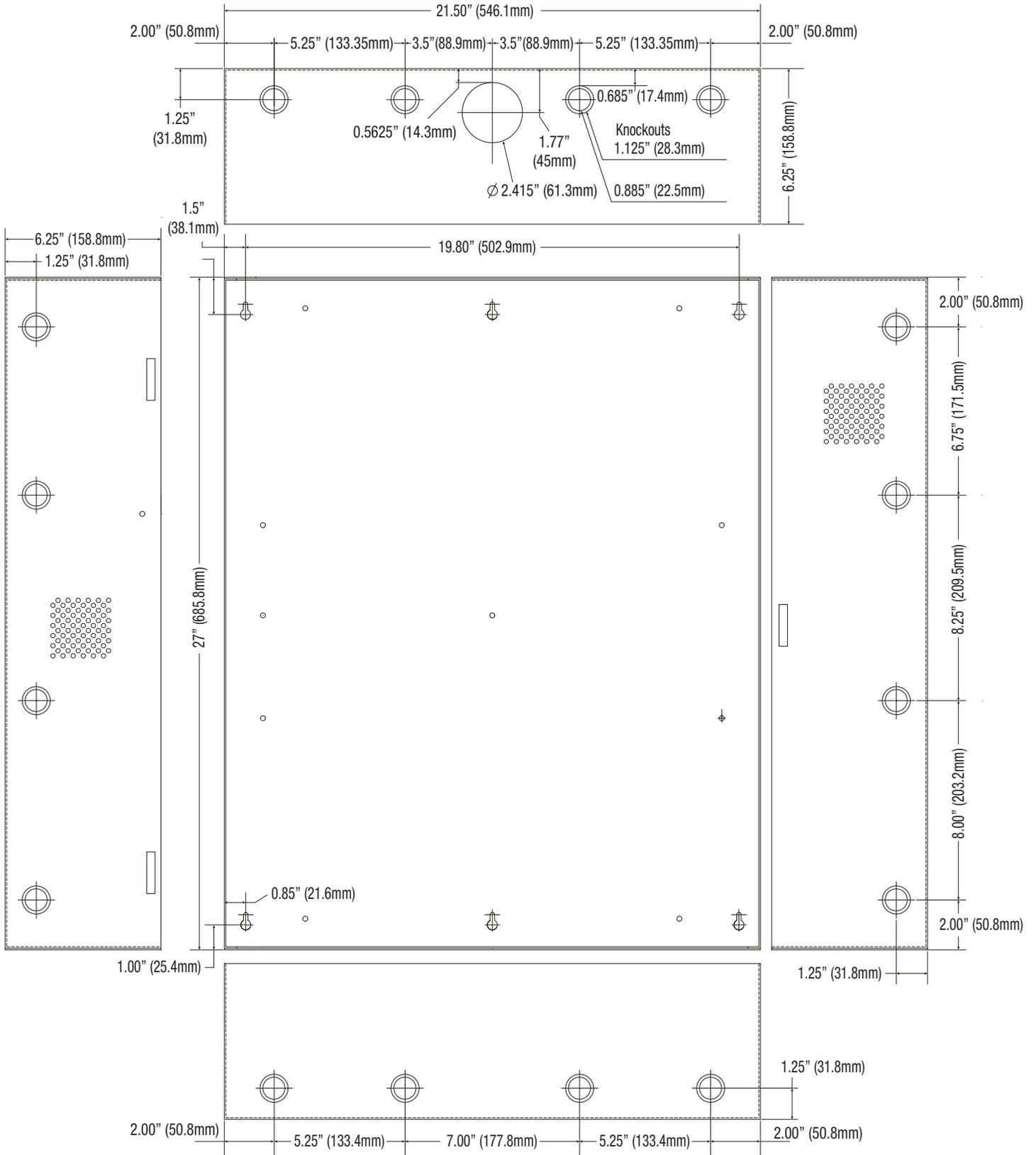


Fig. 2a

**Enclosure Dimensions (H x W x D approximate):**  
 27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors.

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 IIT2MK5F8 Kits

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