

Access & Power Integration

# Altronix/Mercury Wired Kits

## Models Include:

### T2M1XK1

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Fused Dual Input Power Distribution Module
- Wire harnesses and finger duct

### T2M1XK1D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - PTC Dual Input Power Distribution Module
- Wire harnesses and finger duct

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

# Installation Guide



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Rev. 072325

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

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



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## Overview:

Altronix T2M1XK1(D) Trove Mercury wired kit is pre-assembled and consists of Trove enclosure/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. It also accommodates a variety of Mercury modules for up to eight doors in a single enclosure.

## Configuration Chart:

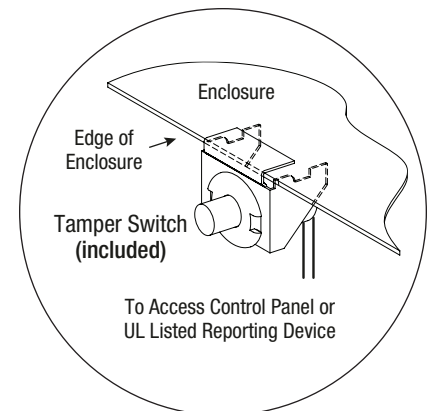
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply boards and ACM4(CB) Access Power Controller's outputs	Fail-Safe/ Fail-Secure Outputs	Current Per ACM4(CB) Output (A)	ACM4(CB) and PSD8(CB) Board Input Fuse (PTC) Rating	ACM4(CB) and PSD8(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]					
				Output Range (VDC)	Output Range (VDC)					
T2M1XK1	3.5	5A/250V	7.5A/32V	20.17-26.4	20.28-26.4	24VDC @ 3.7A	4	2.5	10A/32V	3A/32V
T2M1XK1D								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 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. Mount Mercury modules to backplane(s), refer to *page 3*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow4NB and corresponding *Installation Guides* for ACM4(CB), VR6 and PDS8(CB) for further installation instructions.

Fig. 1



## Hardware:

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

## T2M1XK1(D): Configuration of Mercury Boards on TM2 Backplane:

1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2, pg. 3).
2. Mount backplane to enclosure with hardware.

### Access Controller Position Chart for the Following Models:

LenelS2 / Mercury Access Controller	Pem Mounting
LP1502	(A)
MR52	(B)

Fig. 2

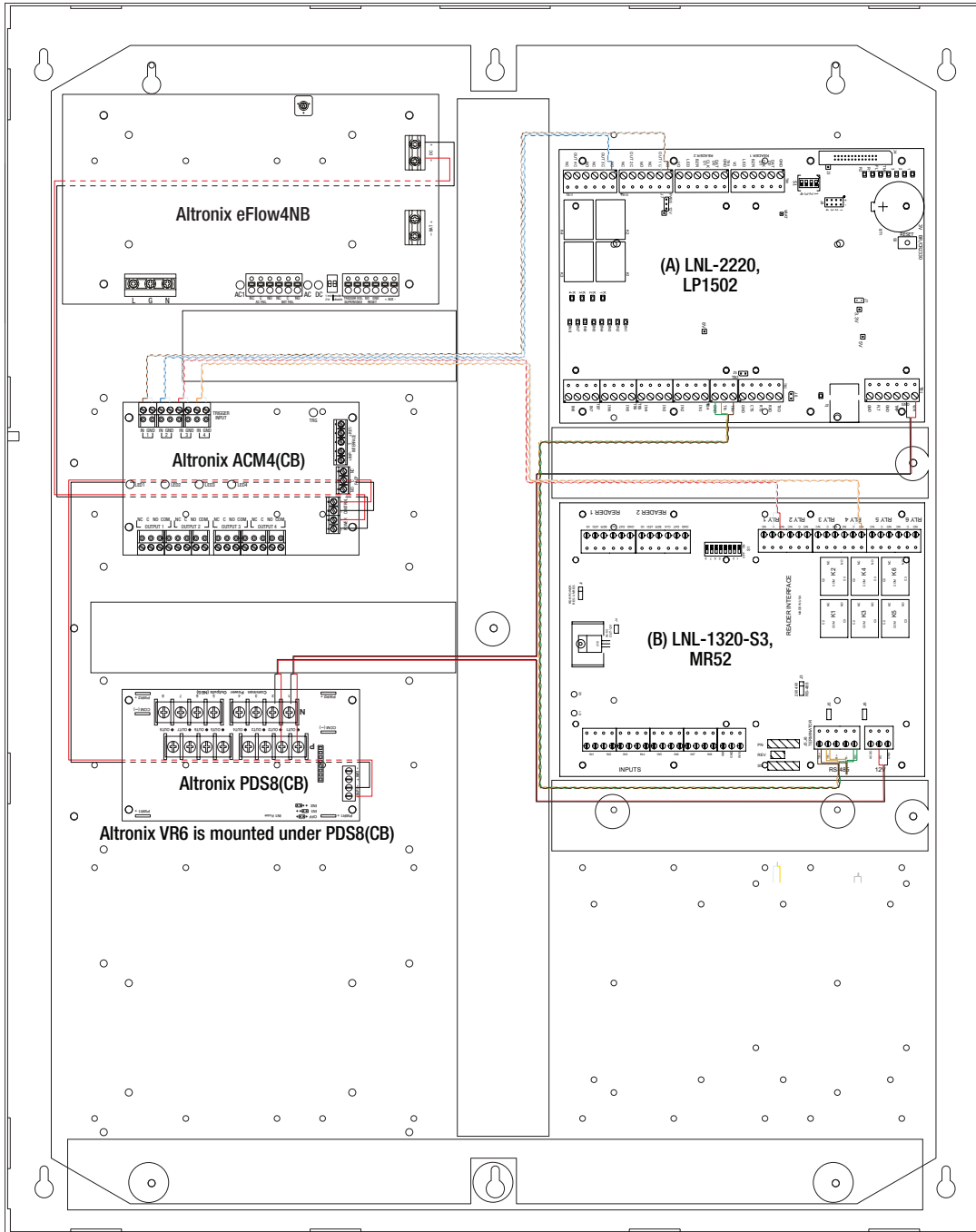
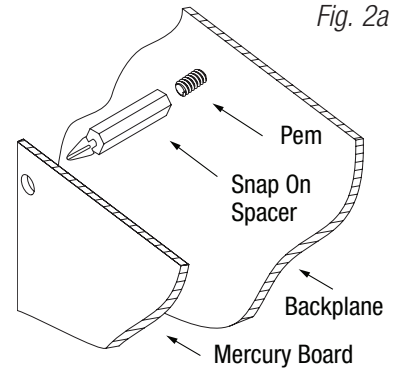
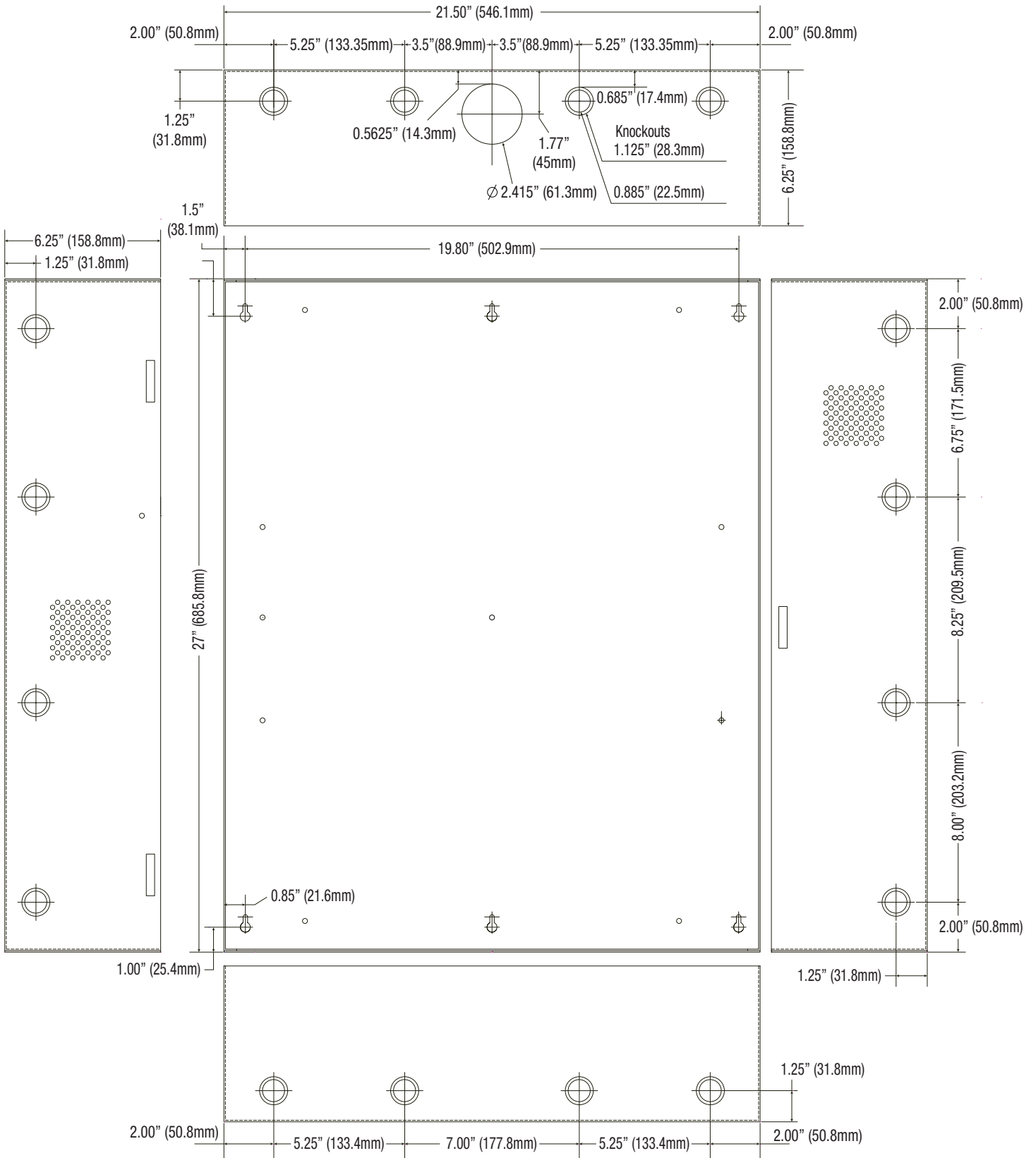


Fig. 2a



## Trove2 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. Product specifications are subject to change without notice.

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