



Access & Power Integration

Altronix/Mercury TM400 Kits

Models Include:

TM400K2

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- TM400 - compact enclosure for Altronix/Mercury boards
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PD4UL - Fused Power Distribution Module

TM400K2D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- TM400 - compact enclosure for Altronix/Mercury boards
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PD4ULCB - PTC Power Distribution Module

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

Installation Guide

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Rev. TM400K2_110323

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Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Mercury kits are pre-assembled and consist of TM400 compact enclosures with factory installed Altronix power supply/charger and sub-assemblies. These kits also accommodate various Mercury boards for up to four (4) doors in a single enclosure.

Configuration Chart:

Altronix Model Number	120VAC 60Hz P/S 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 ACM4(CB) Access Power Controller's outputs (A)	Current Per ACM4(CB) Output (A)	ACM4(CB) Board Input Fuse (PTC) Rating	ACM4(CB) Board Output Fuse (PTC) Rating	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	PD4UL(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]						
				24VDC Output Range (V)	24VDC Output Range (V)						
TM400K2	3.5	5A/ 250V	7.5A/ 32V	20.28- 26.4	20.28- 26.4	24VDC @ 3.6A	2.5	10A/ 250V	3A/ 32V	4	3.5A/ 250V
TM400K2D							2.0	9A	2.5A	4	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. Mark and predrill holes on the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws; level and secure.

Mark the position of the lower two holes. Remove the enclosure.

Drill the lower holes and install the two fasteners.

Place the enclosure's upper keyholes over the two upper screws.

Install the two lower screws and make sure to tighten all screws.

2. 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. 1*). 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 [L N] terminals.

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.

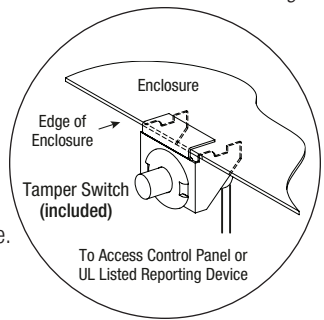
Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

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 eFlow4NB and corresponding Sub-Assembly Installation Guide for ACM4(CB), PD4UL(CB) and VR6 for further installation instructions.
7. Mount Mercury boards to enclosure, refer to *page 3*.

Fig. 1



Hardware and Accessories:

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

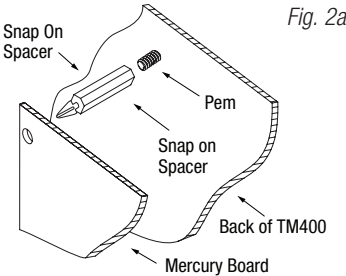
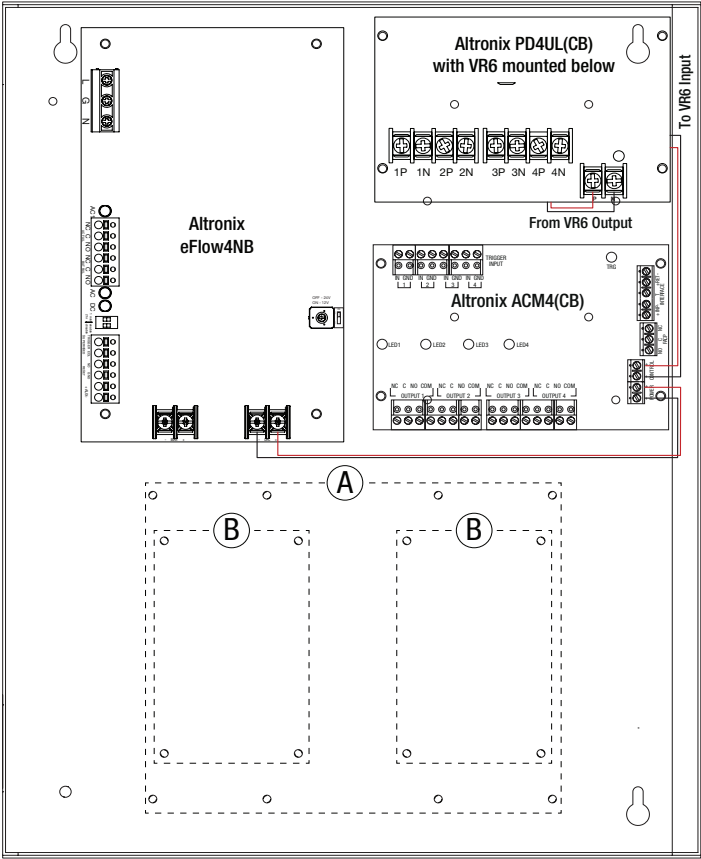
TM400K2(D) - Configuration of Mercury Modules:

- 1. Fasten spacers onto metal pems configuration (A) or (B) of enclosure depending on the sub-assembly module (Fig. 2, pg. 3).
- 2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2a, pg. 3).

Mercury Access Controller Position Chart for the Following Models:

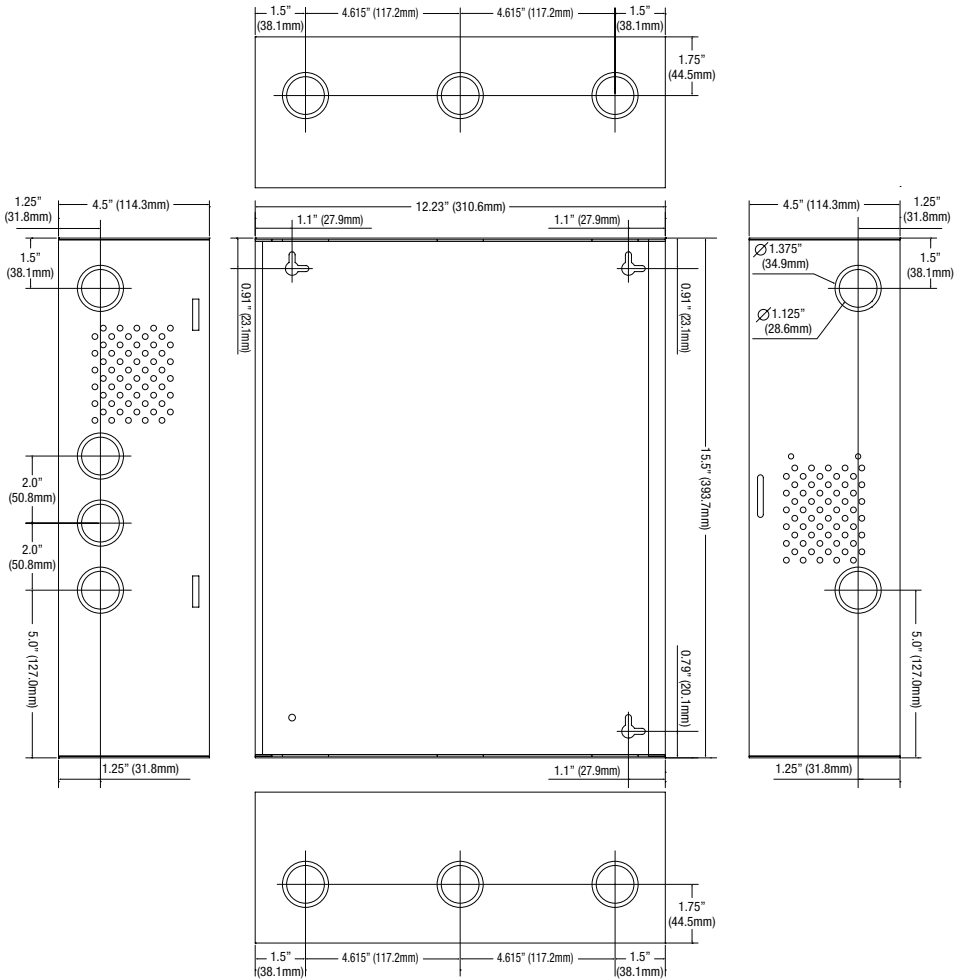
Mercury	Pem Mounting
MR50 (LNL-1300)	(A)
LP1502 (LNL-2220), LP4502 (LNL-4420), MR52 (LNL-1320), MR16IN (LNL-1100), MR16OUT (LNL-1200)	(B)

Fig. 2 - TM400K2(D) Configuration



TM400 Enclosure Dimensions:

15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)



Altronix is not responsible for any typographical errors.

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