



Access & Power Integration

Altronix/Mercury Kits

Models Include:

T2MDK3F8

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) ACM8 - Fused Access Power Controller
- (1) VR6 - Voltage Regulator
- (1) PDS8 - Dual Input Fused Power Distribution Module

T2MDK3F8D

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) ACM8CB - PTC Access Power Controller
- (1) VR6 - Voltage Regulator
- (1) PDS8CB - Dual Input 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. 111524

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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Overview:

Altronix T2MK3F8PD is pre-assembled and consists of Trove2M2 enclosure with factory installed Altronix power supply/charger and sub-assemblies. This 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)	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(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure Outputs	Current Per ACM8(CB) Output (A)	ACM8(CB) Board Input Fuse Rating	ACM8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]							
				Output Range (VDC)	Output Range (VDC)							
T2MDK3F8	3.5	5A/ 250V	10A/ 32V	20.19- 26.4	20.19- 26.4	24VDC @ 5.8A	8	2.5	10A/ 250V	3.5A/ 250V	10A/ 32V	3A/ 32V
T2MDK3F8D								2.0	9A	2.5A	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 backplanes 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

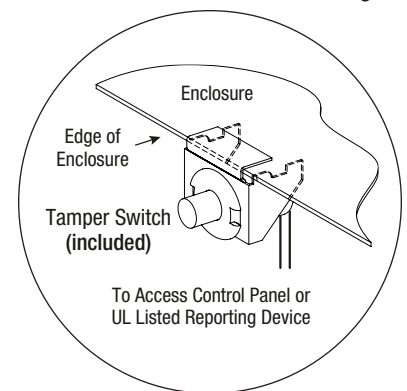
(120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

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. Fasten snap on spacers onto metal pems configuration of backplanes depending on the Mercury access controller (*Fig. 2, 3, pg. 3, 4*).
7. Position Mercury access controller module over corresponding spacers and depress onto snap on spacers (*Fig. 2, 3, pg. 3, 4*).
8. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB and *Sub-Assembly Installation Guide* for PDS8(CB), VR6 and ACM8(CB) for further installation instructions.
9. Mount backplanes to enclosure with hardware.

Fig. 1



Hardware:

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

T2MDK3F8(D): Configuration of Mercury Boards on TM2:

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)
MR50	(D)

Fig. 2

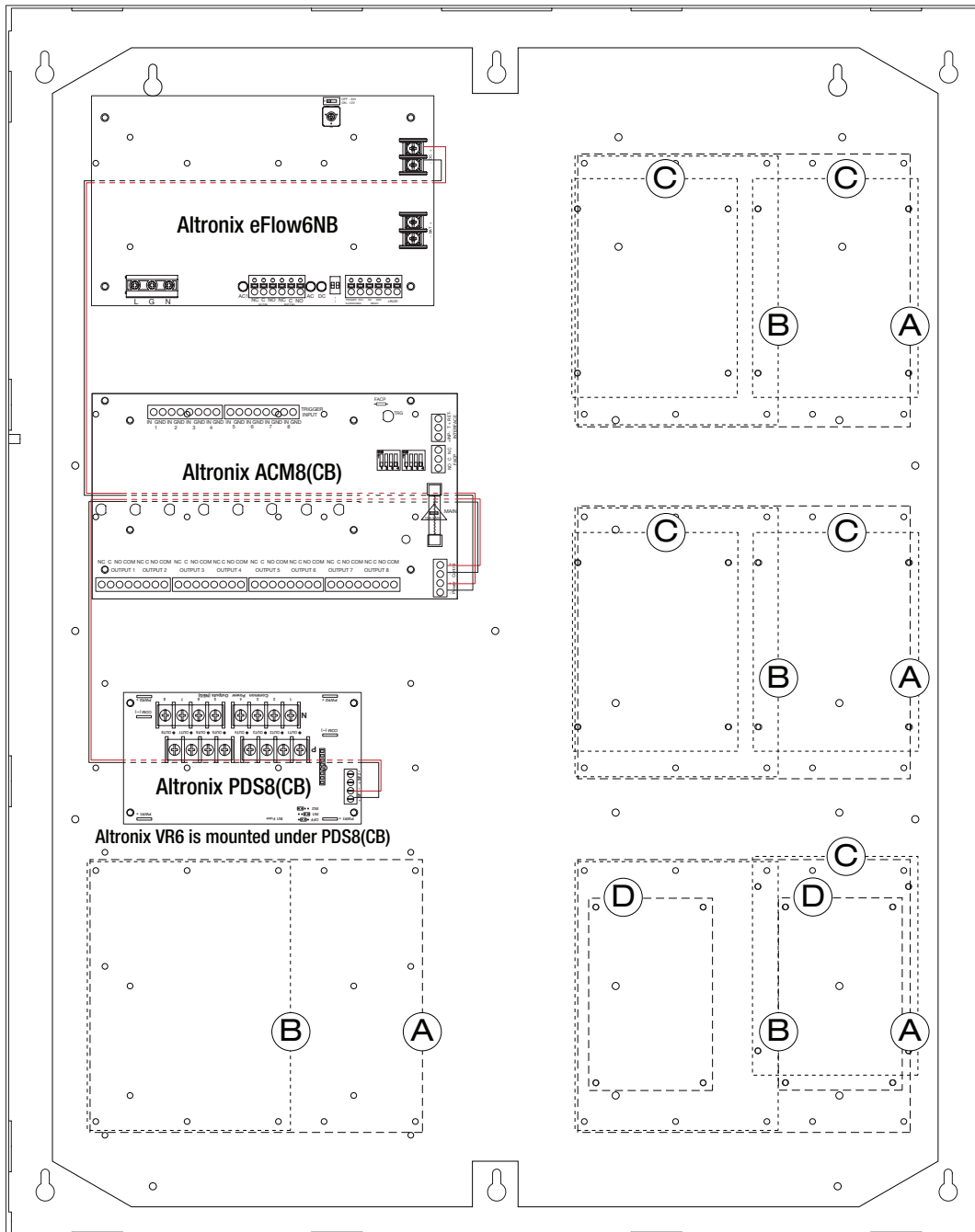
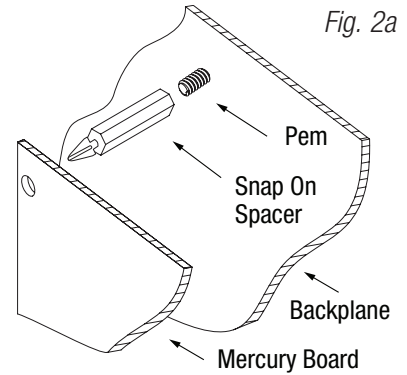


Fig. 2a



T2MDK3F8(D): Configuration of Mercury Boards on TMV2:

TMV2 accommodates a variety of Mercury boards with or without Altronix sub-assemblies for access systems.

Mercury Access Controllers:

- 1. Fasten spacers onto metal pems configuration (A) (B) of backplane depending on the access controller (Fig. 3, pg. 4).
- 2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3a, pg. 4).
- 3. Mount backplane to enclosure with hardware.

Altronix Sub-Assemblies and/or Adapters:

- 1. Fasten spacers to pems which match the hole pattern (C) for Altronix Sub-Assemblies (Fig. 3, 3a, pg. 4).
- 2. Mount boards to spacers utilizing pan head screws provided with the product (Fig. 3, pg. 4).

Access Controller Position Chart for the Following Models:

Mercury	
Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
Altronix	
Sub-Assembly or Adapter	Pem Mounting
ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6, GB1 (Genetec Synergis Cloud Link adapter plate)	(C)

Fig. 3

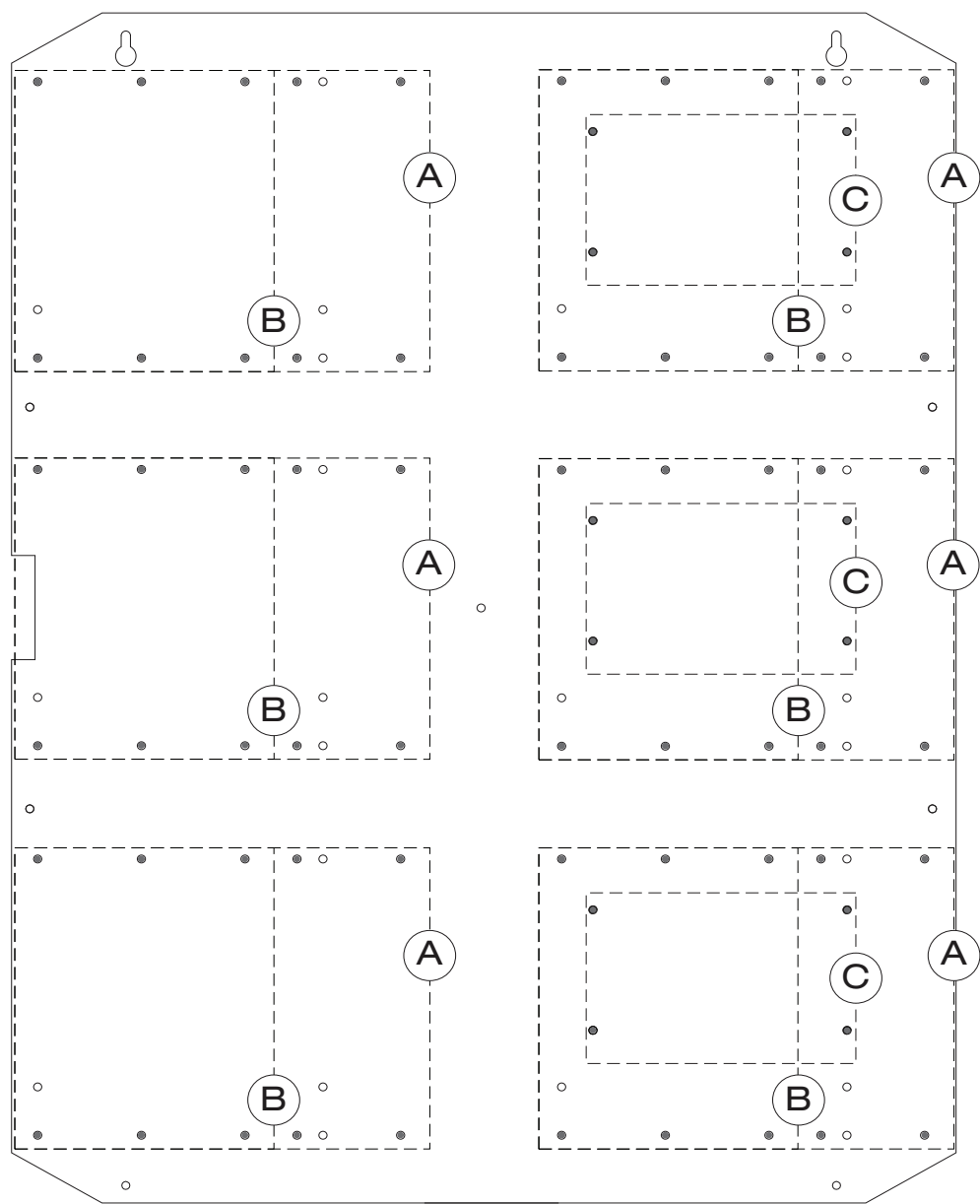
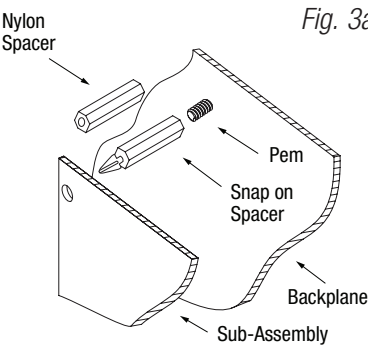
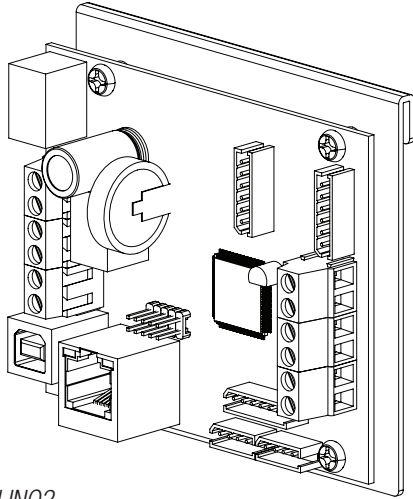


Fig. 3a





eFlow Power Supply/Chargers can be Controlled and Monitored while Reporting Power/Diagnostics from Anywhere over the Network...



LINQ2

LINQ™

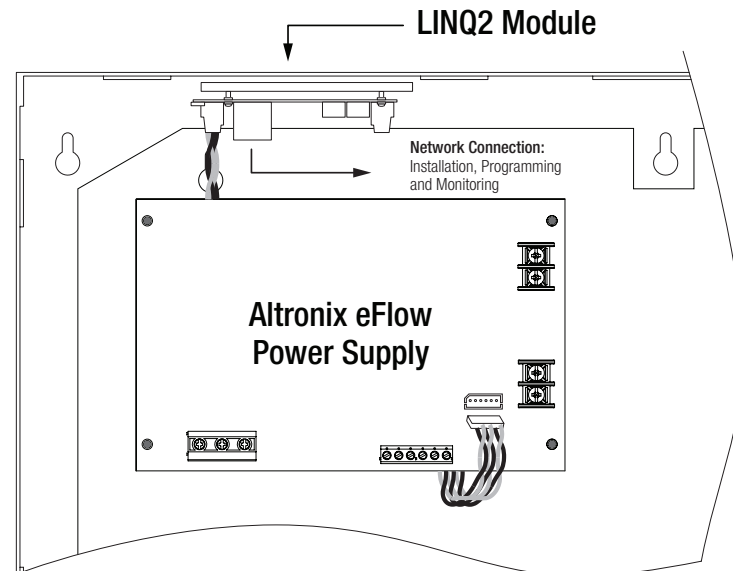
LINQ2 - Network Communication Module

LINQ2 provides remote IP access to real-time data from eFlow power supply/chargers to help keep systems up and running at optimal levels. It facilitates fast and easy installation and set-up, minimizes system downtime, and eliminates unnecessary service calls, which helps reduce Total Cost of Ownership (TCO) - as well as creating a new source of Recurring Monthly Revenue (RMR).

Features:

- UL Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access control and user management: Restrict read/write, Restrict users to specific resources
- Two (2) integral network controlled Form "C" Relays.
- Three (3) programmable input triggers: Control relays and power supplies via external hardware sources.
- Email and Windows Dashboard notifications
- Event log tracks history.
- Secure Socket Layer (SSL).
- Programmable via USB or web browser - includes operating software and 6 ft. USB cable.

LINQ2 Mounts Inside any Trove Enclosure



Notes:

Notes:

27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)

