

Access & Power Integration

Altronix/Mercury Wired Kits

Models Include:

T3MKR77P8V

8 Door Kit with Fused Outputs

Accommodates one (1) Intelligent Dual Reader Controller and seven (7) Dual Reader Interface Modules.

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- Two (2) eFlow104NBV - Power Supply/Chargers
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) CIRC1ATS - Automatic AC Transfer Switch
- One (1) BR1 - Mounting Bracket
- Wire harnesses and finger duct

T3MKR77P8DV

8 Door Kit with Fused Outputs

Accommodates one (1) Intelligent Dual Reader Controller and seven (7) Dual Reader Interface Modules.

Fully assembled kit includes:

- Trove3 enclosure with TM3 Altronix/Mercury backplane
- Two (2) eFlow104NBV - Power Supply/Chargers
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) CIRC1ATS - Automatic AC Transfer Switch
- One (1) BR1 - Mounting Bracket
- 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. 072125

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix Trove Plus kits are pre-wired, pre-assembled and consist of Trove3M3 enclosure/backplane with factory installed Altronix power supply/chargers and sub-assemblies, wire harnesses and finger duct.

Configuration Chart:

Altronix Model Number	220VAC 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 PDS8(CB) Power Distribution Board's outputs	Current Per PDS8(CB) Output (A)	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
				Power Supply 1		Power Supply 2					
				[DC]	[Aux]	[DC]	[Aux]				
				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)				
T3MKR77P8V	5.4	6.3A/ 250V	15A/ 32V	20.17- 26.4	20.28- 26.4	20.17- 26.4	20.28- 26.4	24VDC @ 9.4A	2.5	10A/32V	3A/32V
T3MKR77P8DV									2.0	9A	2.5A

Hardware and Accessories:

- Two (2) tamper switches (Altronix Model TS112 or equivalent).
- Cam lock.
- Battery leads.

Mechanical:

- 16 Gauge enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).

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 switches (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. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NBV and corresponding *Sub-Assembly Installation Guides* for PDS8(CB) and CIRC1ATS for further installation instructions.
5. Connect unswitched AC power (220VAC 60Hz) to flying leads. 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 (220VAC 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.
6. Measure voltage before connecting devices. This helps avoiding potential damage.
7. Position Lenel/Mercury access controller modules over corresponding spacers and depress onto snap on spacers (*Fig. 2, pg. 3*).
8. Connect wire harnesses to Lenel/Mercury access controller modules (*Fig. 2, pg. 3*).
9. Mount backplane to enclosure with hardware.

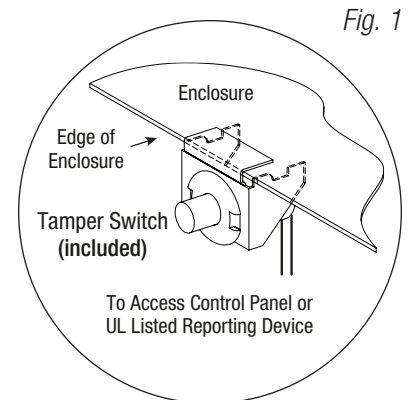


Fig. 1

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

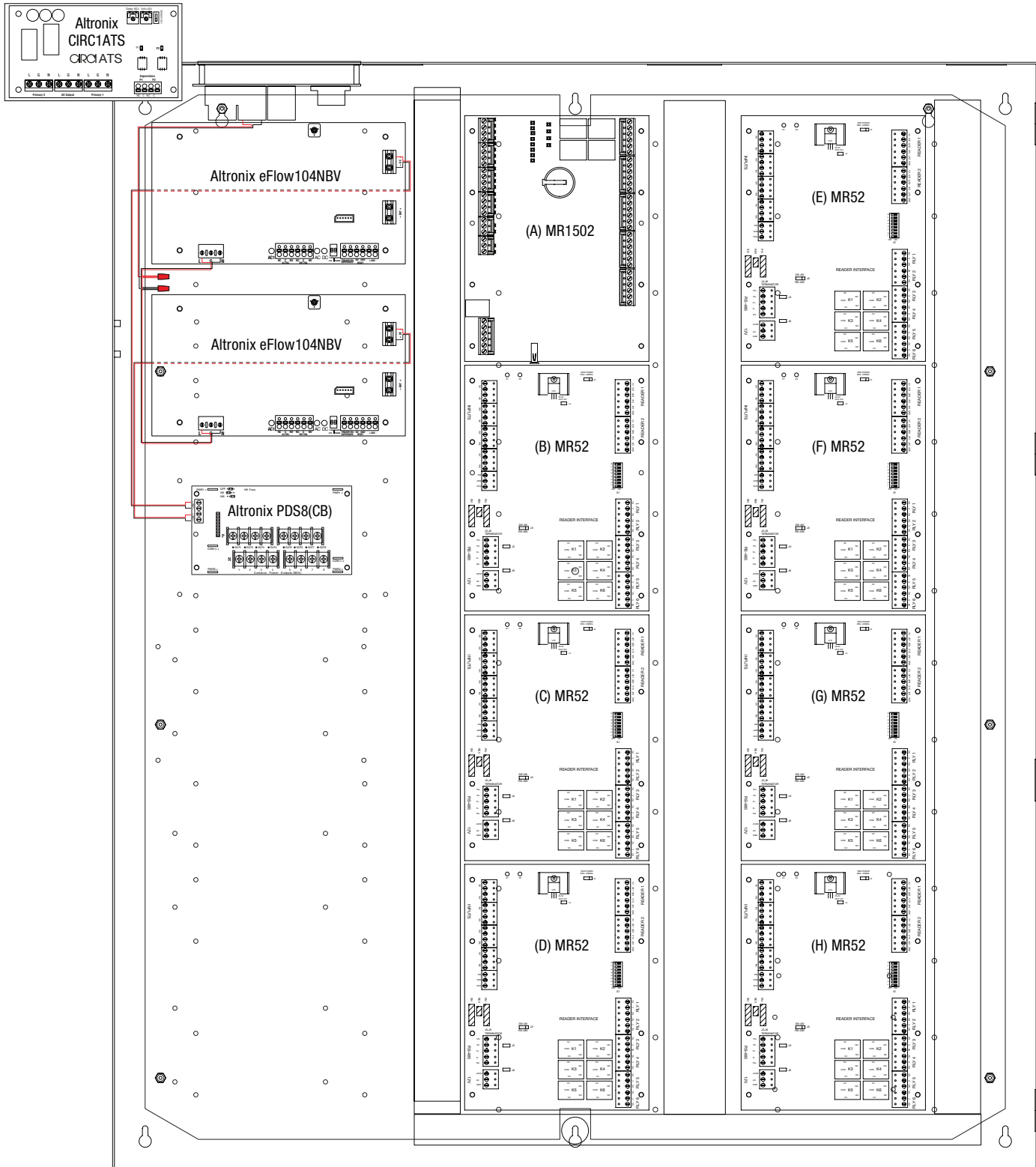
T3MKR77P8(D)V Configuration:

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:

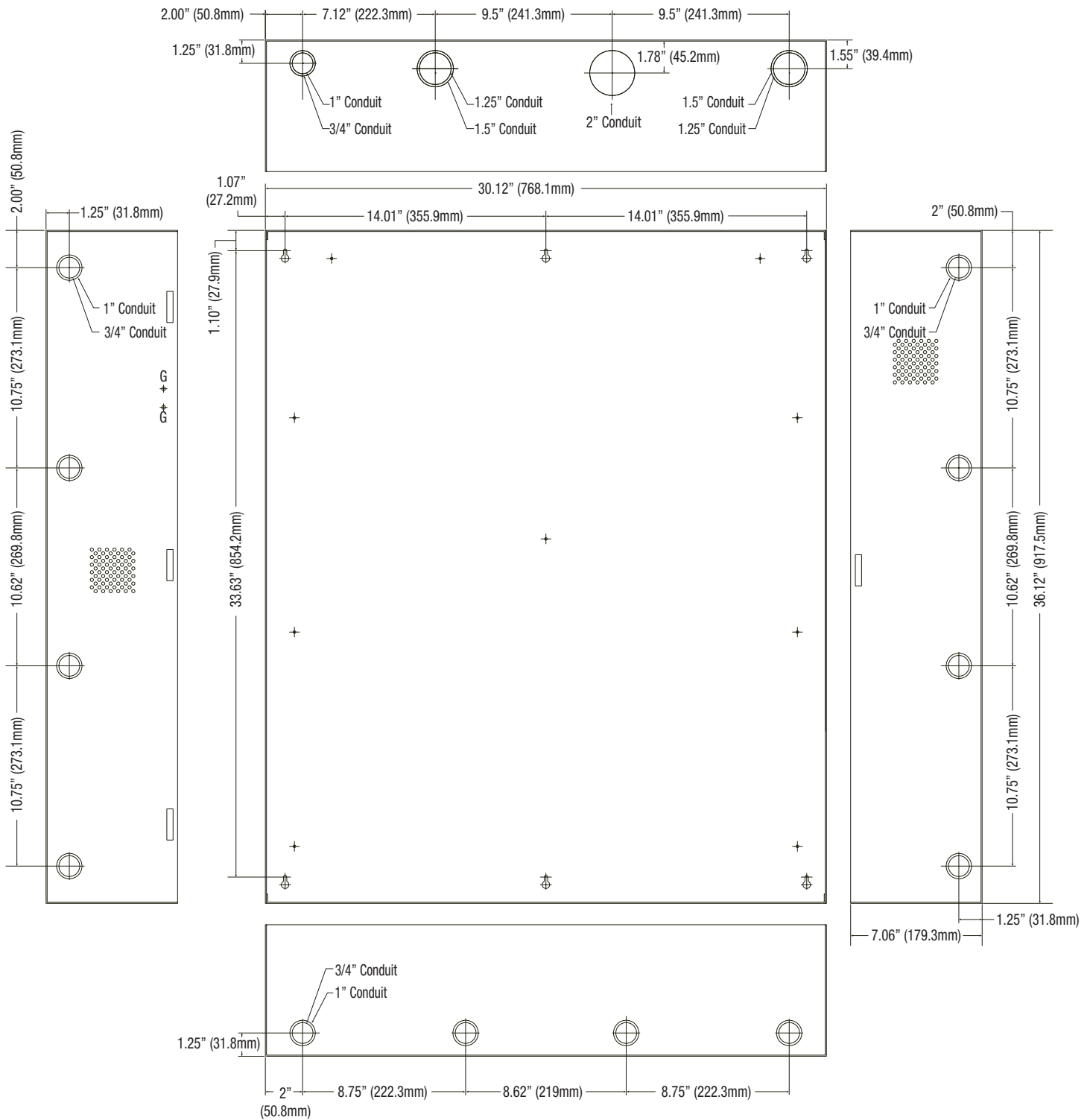
LenelS2 / Mercury Access Controller	Pem Mounting
MR1502	(E)
MR52	(A) (B) (C) (D) (F) (G) (H)

Fig. 2



Trove3 Enclosure Dimensions (H x W x D approximate):

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)



Altronix is not responsible for any typographical errors.

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