

Access & Power Integration

## Altronix/Mercury Wired Networked Kits

### Models Include:

#### T3M77CK1Q

16 Door Kit with Fused Outputs  
Accommodates one (1) Intelligent Dual Reader Controller and seven (7) Dual Reader Interface Modules.

#### T3M77CK2Q

14 Door Kit with Fused Outputs  
Accommodates one (1) Intelligent Controller and seven (7) Dual Reader Interface Modules.

#### T3M77CK3Q

16 Door Kit with Fused Outputs  
Accommodates up to eight (8) Dual Reader Interface Modules.

**Each fully assembled kit includes:**

- Trove3 enclosure with TM3 Altronix/Mercury/LenelS2 backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) LINQ8ACM - Dual Input/Output Fuse Protected Networked Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) LINQ8PD - Dual Input/Output Fuse Protected Networked Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches
- Wire harnesses and management

#### T3M77CK1DQ

16 Door Kit with PTC Outputs  
Accommodates one (1) Intelligent Dual Reader Controller and seven (7) Dual Reader Interface Modules.

#### T3M77CK2DQ

14 Door Kit with PTC Outputs  
Accommodates one (1) Intelligent Controller and seven (7) Dual Reader Interface Modules.

#### T3M77CK3DQ

16 Door Kit with Fused Outputs  
Accommodates up to eight (8) Dual Reader Interface Modules.

**Each fully assembled kit includes:**

- Trove3 enclosure with TM3 Altronix/Mercury/LenelS2 backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) LINQ8ACMCB - Dual Input/Output PTC Protected Networked Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) LINQ8PDCB - Dual Input/Output PTC Protected Networked Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches
- Wire harnesses and management

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

## Installation Guide



All registered trademarks are property of their respective owners.

Rev. T3M77CKQ063023

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/charger(s) and sub-assemblies, wire harnesses and finger duct.

## Configuration Chart:

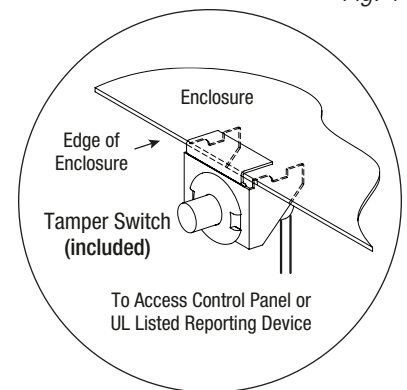
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board and LINQ8ACM(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per LINQ8ACM(CB) and LINQ8PD(CB) Output (A)	LINQ8ACM(CB) and LINQ8PD(CB) Board Input Fuse (PTC) Rating	LINQ8ACM(CB) Board Output Fuse (PTC) Rating	LINQ8PD(CB) Board Output Fuse (PTC) Rating
				Power Supply 1		Power Supply 2							
				[DC]	[Aux]	[DC]	[Aux]						
T3M77CK1Q	9	6.3A/250V	15A/32V	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	24VDC @ 9.4A	16	2.5	15A/32V	3A/32V	3A/32V
T3M77CK2Q				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
T3M77CK3Q				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
T3M77CK1DQ				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
T3M77CK2DQ				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
T3M77CK3DQ				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
				20.17-26.4	20.28-26.4	20.17-26.4	20.28-26.4			2.0	9A	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.

- Remove backplane from enclosure. Do not discard hardware.
- 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.
- 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.
- Connect unswitched AC power (120VAC 60Hz) to RSB2. 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.**
- Measure voltage before connecting devices. This helps avoiding potential damage.
- Mount Mercury boards to backplane, refer to *pg. 3-5*.
- Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for LINQ8PD(CB) and LINQ8ACM(CB) for further installation instructions.
- Position Lenel/Mercury access controller module over corresponding spacers and depress onto snap on spacers (*Fig. 2-4, pg. 3-5*).
- Mount backplane to enclosure with hardware.

Fig. 1



## Hardware:

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

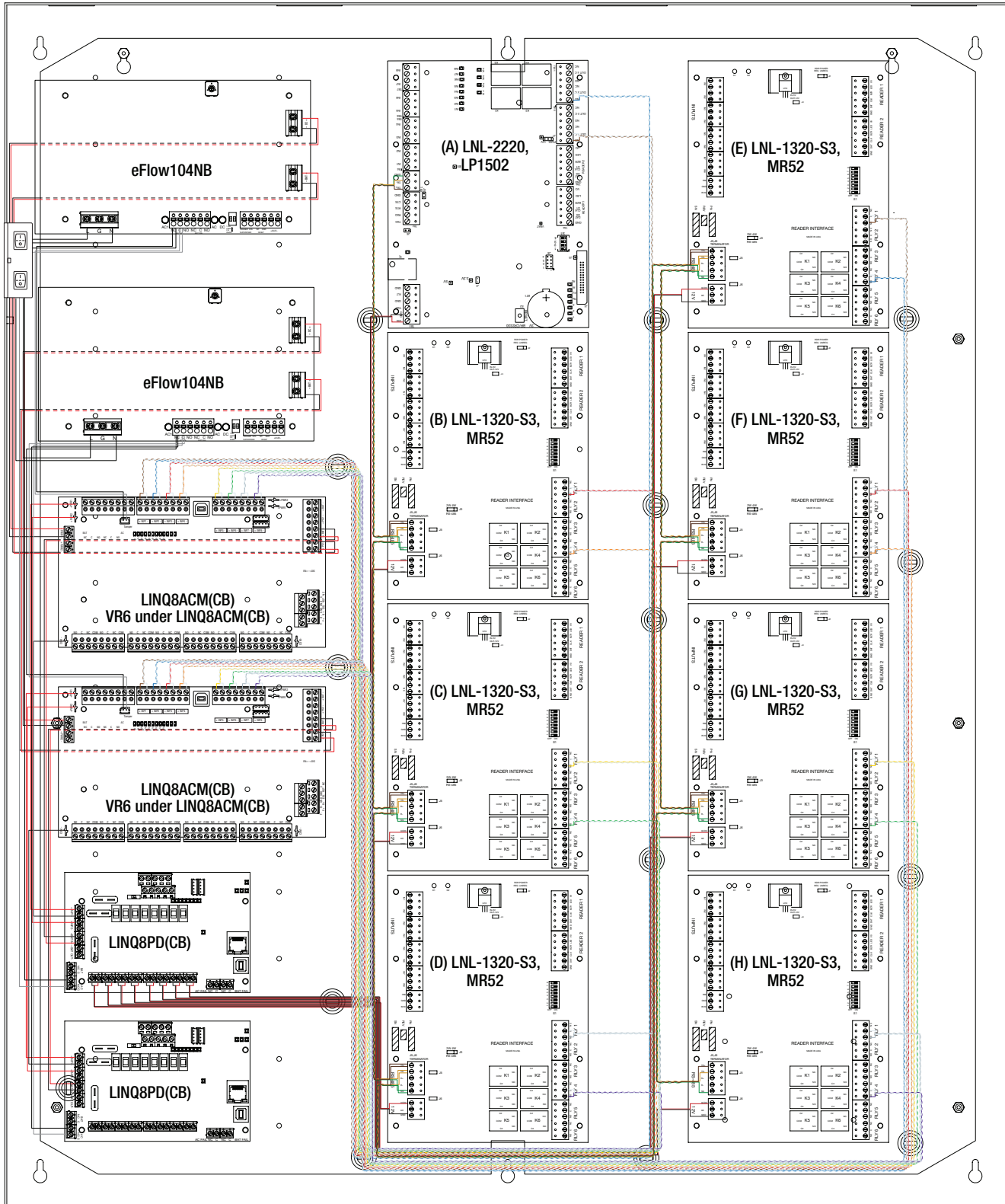
## T3M77CK1Q (T3M77CK1DQ) Configuration:

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
LNL-2220 / LP1502	(A)
LNL-1320 / MR52	(B) (C) (D) (E) (F) (G) (H)

Fig. 2



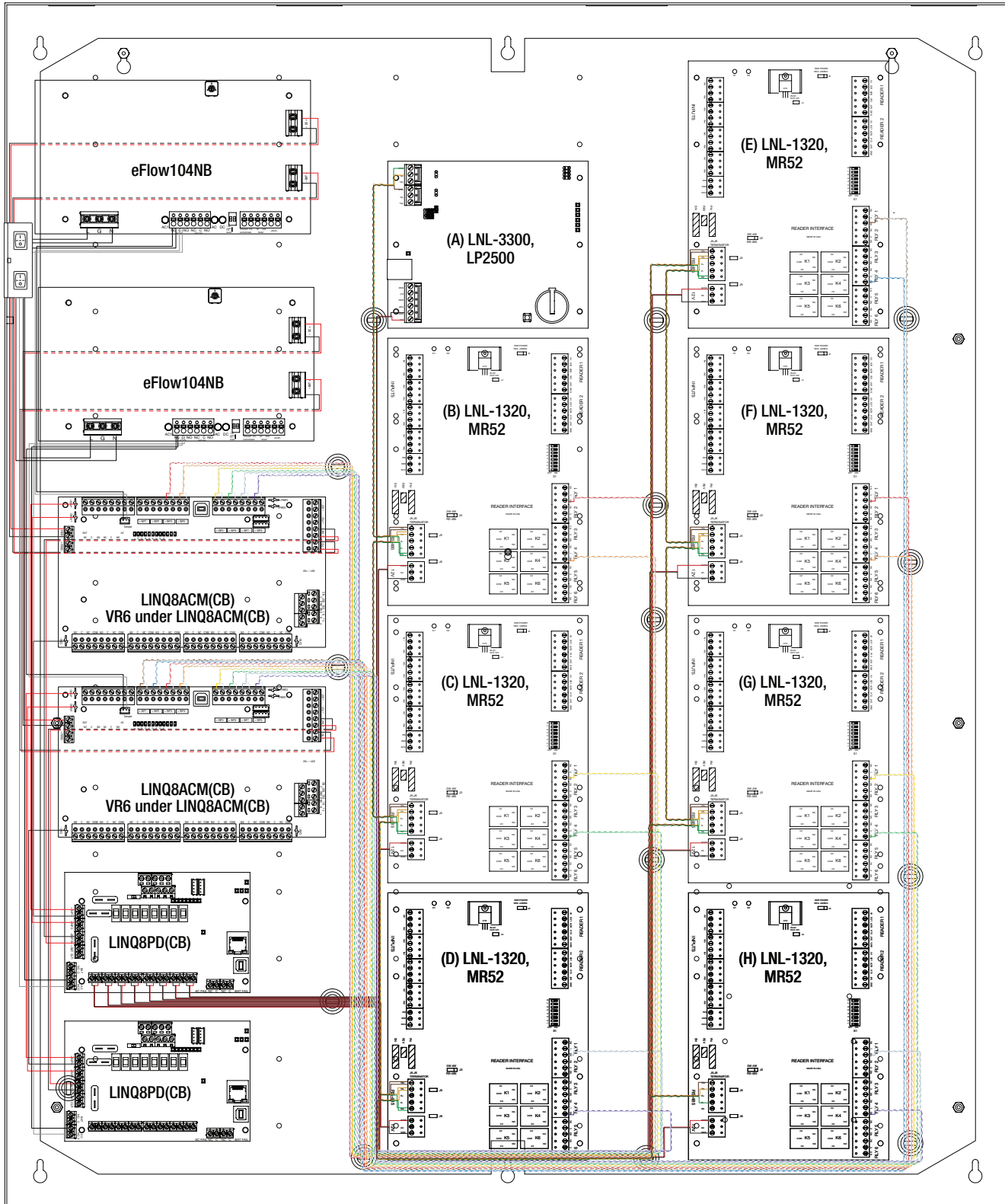
## T3M77CK2Q (T3M77CK2DQ) Configuration:

1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3, pg. 4).
2. Mount backplane to enclosure with hardware.

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

LenelS2 / Mercury Access Controller	Pem Mounting
LNL-3300 / LP2500	(A)
LNL-1320 / MR52	(B) (C) (D) (E) (F) (G) (H)

Fig. 3



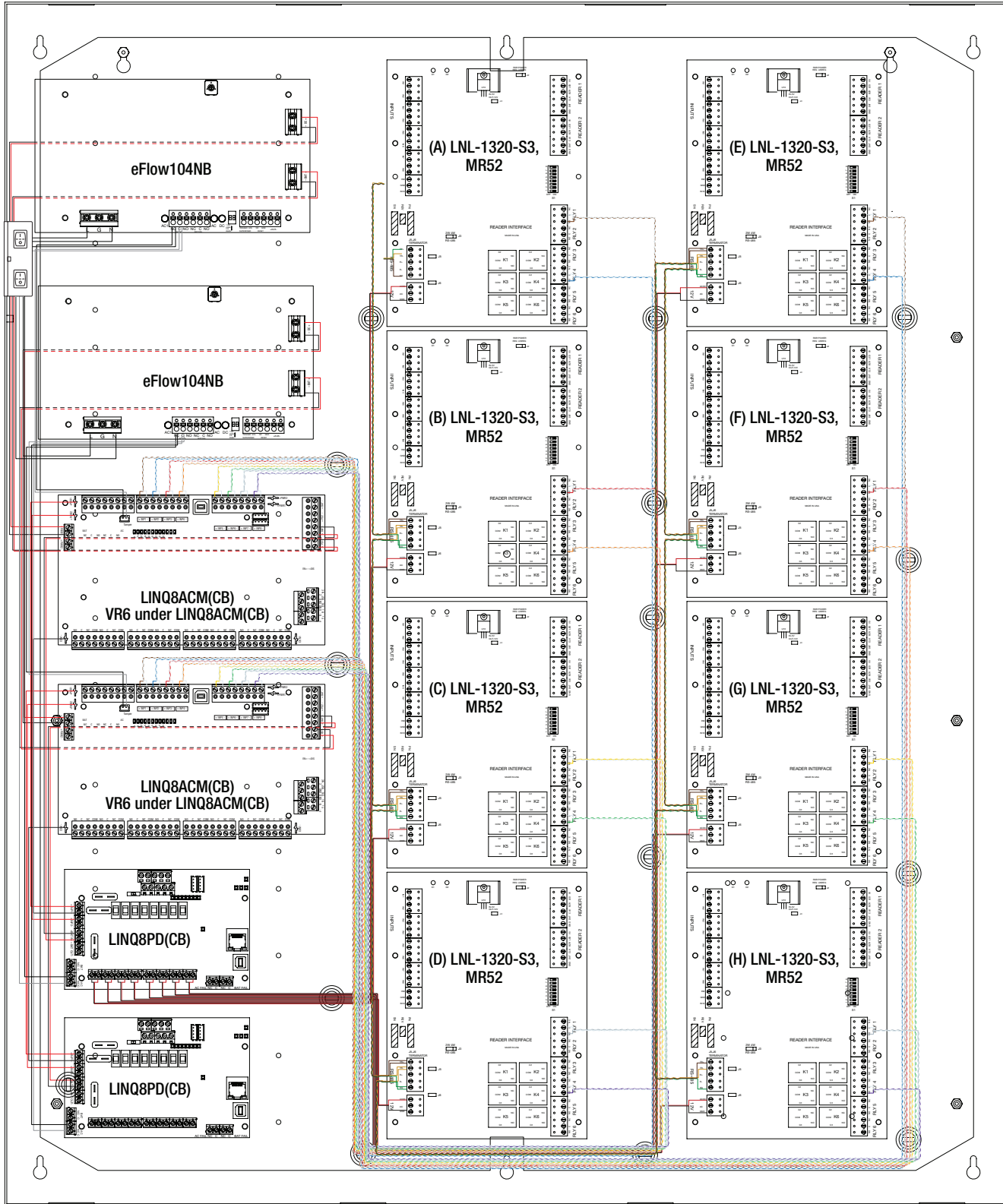
## T3M77CK3Q (T3M77CK3DQ) Configuration:

1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 4, pg. 5).
2. Mount backplane to enclosure with hardware.

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

LenelS2 / Mercury Access Controller	Pem Mounting
LNL-1320 / MR52	(A) (B) (C) (D) (E) (F) (G)

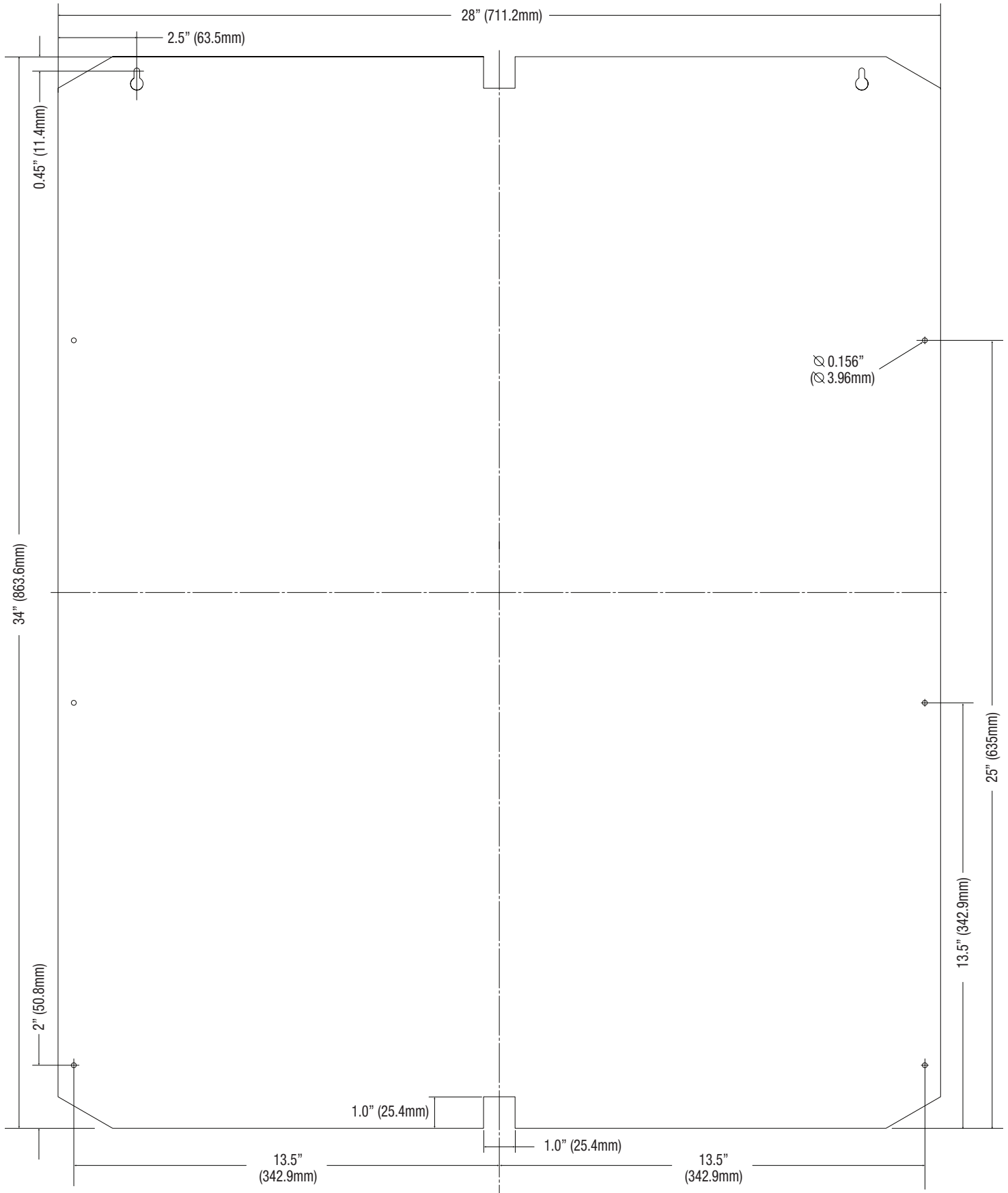
Fig. 4



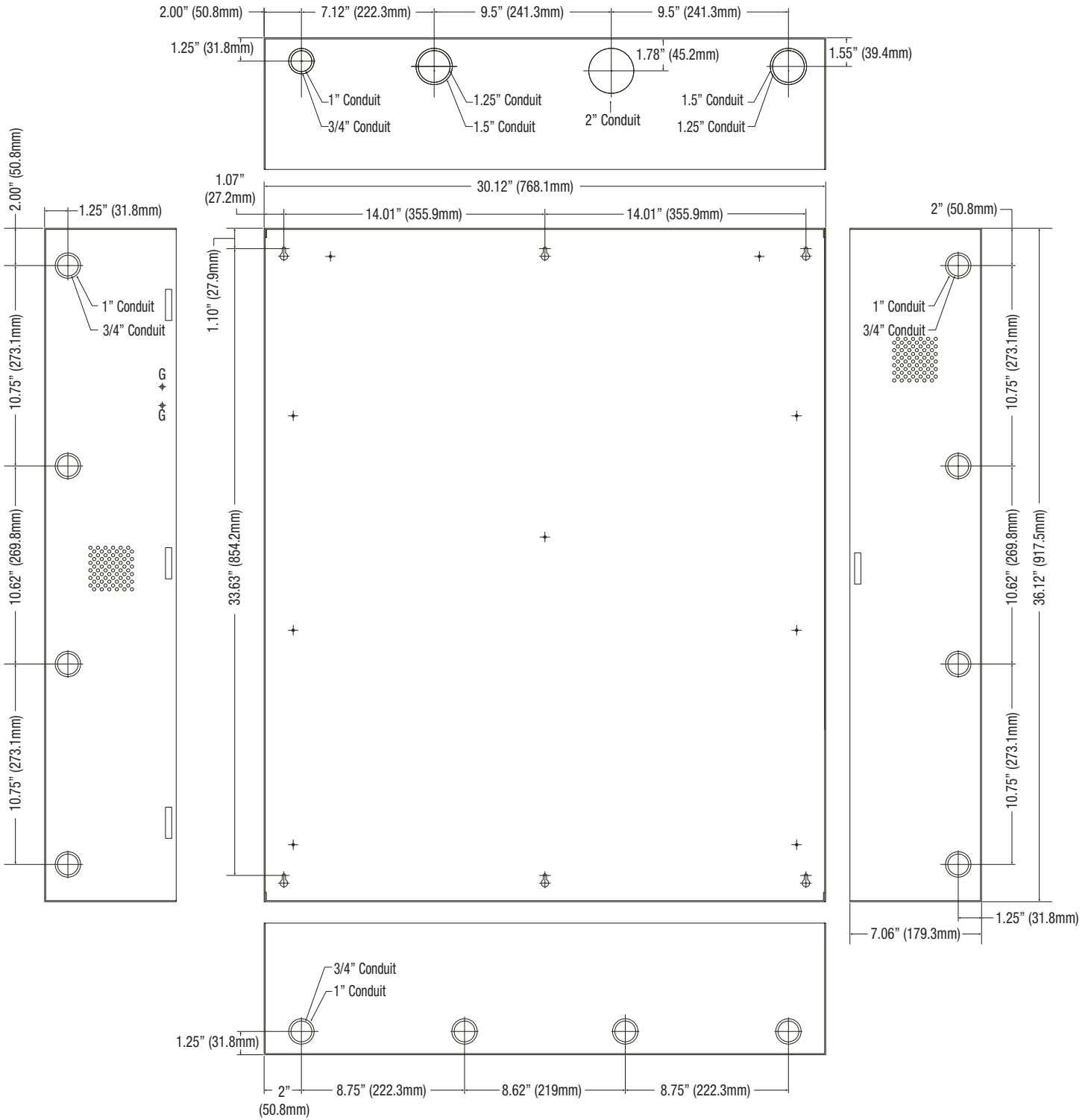
## Notes:

### TM3 Dimensions:

34" x 28" x 0.3125" (863.6mm x 711.2mm x 7.9mm)



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

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056  
 website: [www.altronix.com](http://www.altronix.com) | e-mail: [info@altronix.com](mailto:info@altronix.com) | Lifetime Warranty  
 IIT3M77CKQ Kit Series

F30W

