

Access & Power Integration

Altronix/Mercury Wired Networked Kits

Models Include:

T1M1CK1Q

4 Door Kit with Fused Outputs

Accommodates one (1) Intelligent Dual Reader Controller and one (1) Dual Reader Interface Module.

T1M1CK2Q

2 Door Kit with Fused Outputs

Accommodates one (1) Intelligent Controller and one (1) Dual Reader Interface Module.

T1M1CK3Q

4 Door Kit with Fused Outputs

Accommodates up to two (2) Dual Reader Interface Modules.

Each fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) eFlow4NB - Power Supply/Charger
- One (1) LINQ8PD - Networked Fused Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and management

T1M1CK1DQ

4 Door Kit with PTC Outputs

Accommodates one (1) Intelligent Dual Reader Controller and one (1) Dual Reader Interface Module.

T1M1CK2DQ

2 Door Kit with PTC Outputs

Accommodates one (1) Intelligent Controller and one (1) Dual Reader Interface Module.

T1M1CK3DQ

4 Door Kit with PTC Outputs

Accommodates up to two (2) Dual Reader Interface Modules.

Each fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) eFlow4NB - Power Supply/Charger
- One (1) LINQ8PDCB - Networked PTC Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and management

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

Installation Guide



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Rev. 020922

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



Overview:

Altronix Trove Plus networked kits are pre-wired, pre-assembled and consist of Trove1M1 enclosure/backplane with factory installed Altronix power supply/charger 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 Outputs on Power Supply board and LINQ8PD(CB) Power Distribution Module's outputs	LINQ8PD(CB) Board Input Fuse (PTC) Rating	LINQ8PD(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]			
				Output Range (VDC)	Output Range (VDC)			
T1M1CK1Q	3.5	5A/ 250V	10A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 3.8A	15A/ 250V	3A/ 250V
T1M1CK2Q				20.17-26.4	20.28-26.4			
T1M1CK3Q				20.17-26.4	20.28-26.4			
T1M1CK1DQ				20.17-26.4	20.28-26.4		9A	2.5A
T1M1CK2DQ				20.17-26.4	20.28-26.4			
T1M1CK3DQ				20.17-26.4	20.28-26.4			

Installation Instructions:

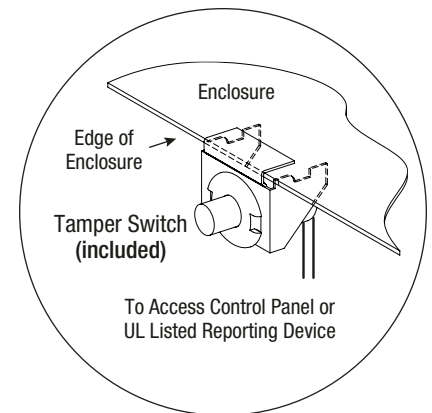
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

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. Mount Mercury modules to backplane(s), refer to *page 3*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow4NB and corresponding *Installation Guide* for LINQ8PD(CB) and VR6 for further installation instructions.

Fig. 1

Hardware:

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



T1M1CK1(D)Q: Configuration of Mercury Boards:

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:

Mercury Access Controller	Pem Mounting
LNL-2220 / LP1502 / LP4502	(A)
LNL-1320 / MR52	(B)

Fig. 2

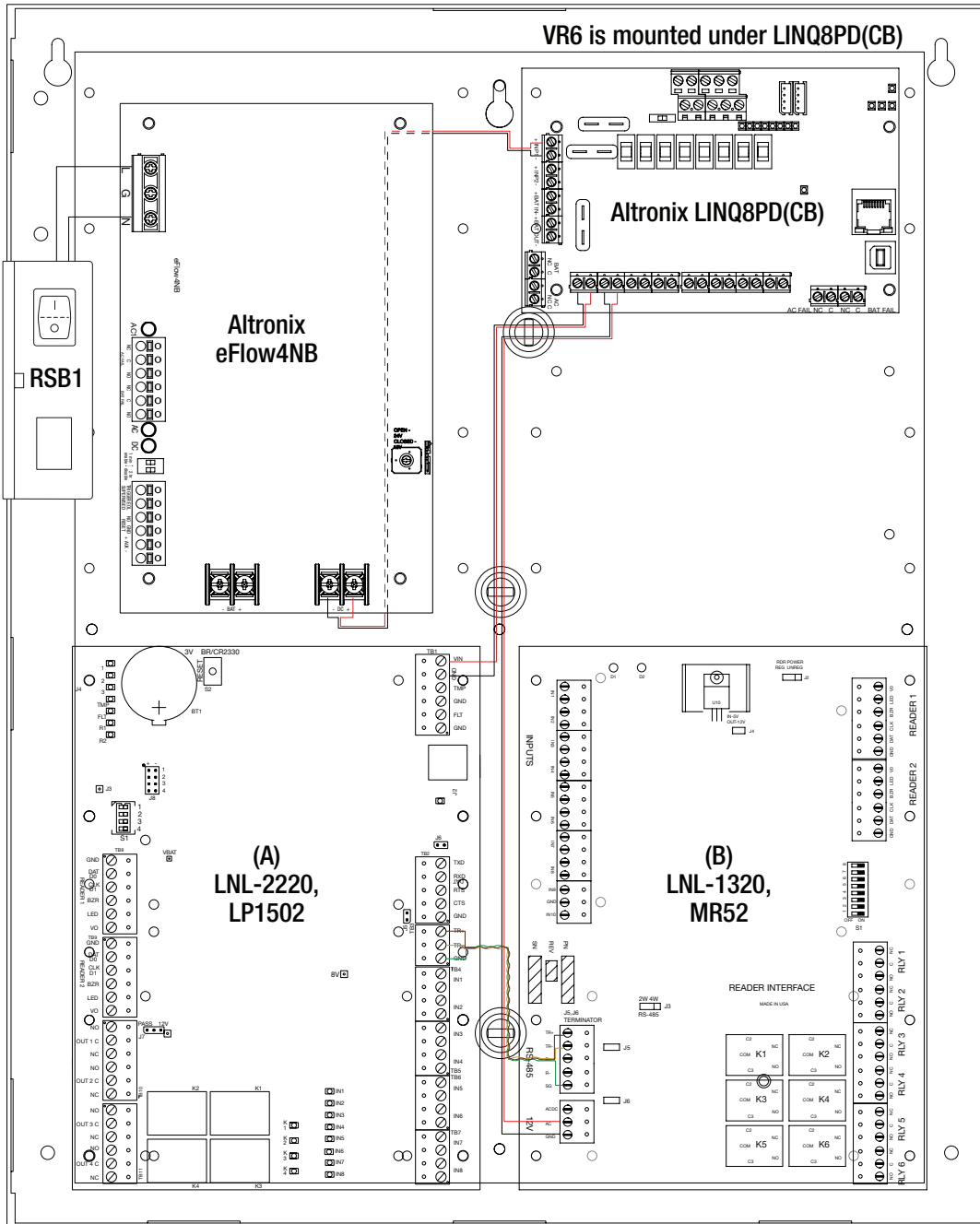
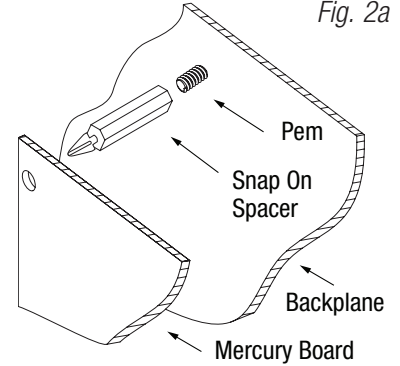


Fig. 2a



T1M1CK2(D)Q: Configuration of Mercury Boards:

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:

Mercury Access Controller	Pem Mounting
LNL-3300 / LP2500	(A)
LNL-1320 / MR52	(B)

Fig. 3

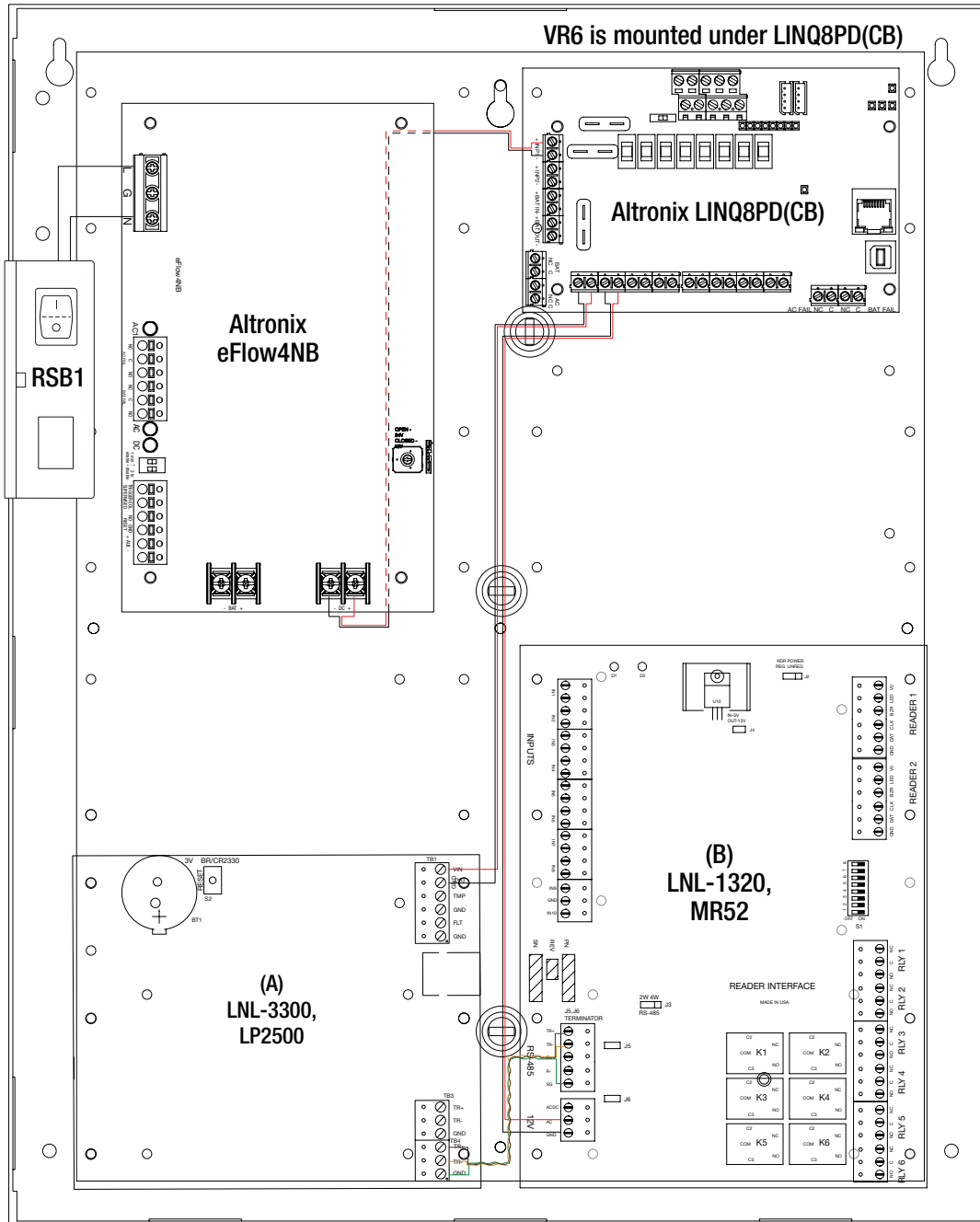
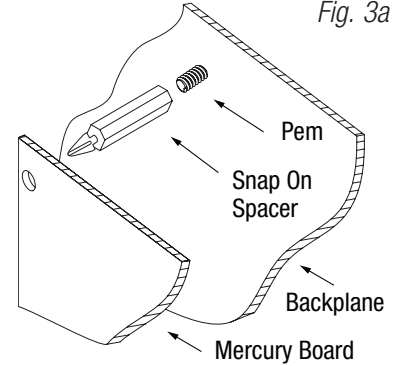


Fig. 3a



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.

Mercury Access Controller	Pem Mounting
LNL-1320 / MR52	(A)
LNL-1320 / MR52	(B)

The diagram illustrates the power and data connection for two LINQ8PD(CB) readers. A central power supply unit, the Altronix eFlow4NB, is connected to a 12V battery (RSB1). The power supply provides power to the readers via a central power distribution unit. The readers are labeled (A) LNL-1320, MR52 and (B) LNL-1320, MR52. The diagram includes detailed wiring for power, ground, and data lines, as well as terminal block connections for each reader.

Fig. 4a

Pem

Snap On Spacer

Backplane

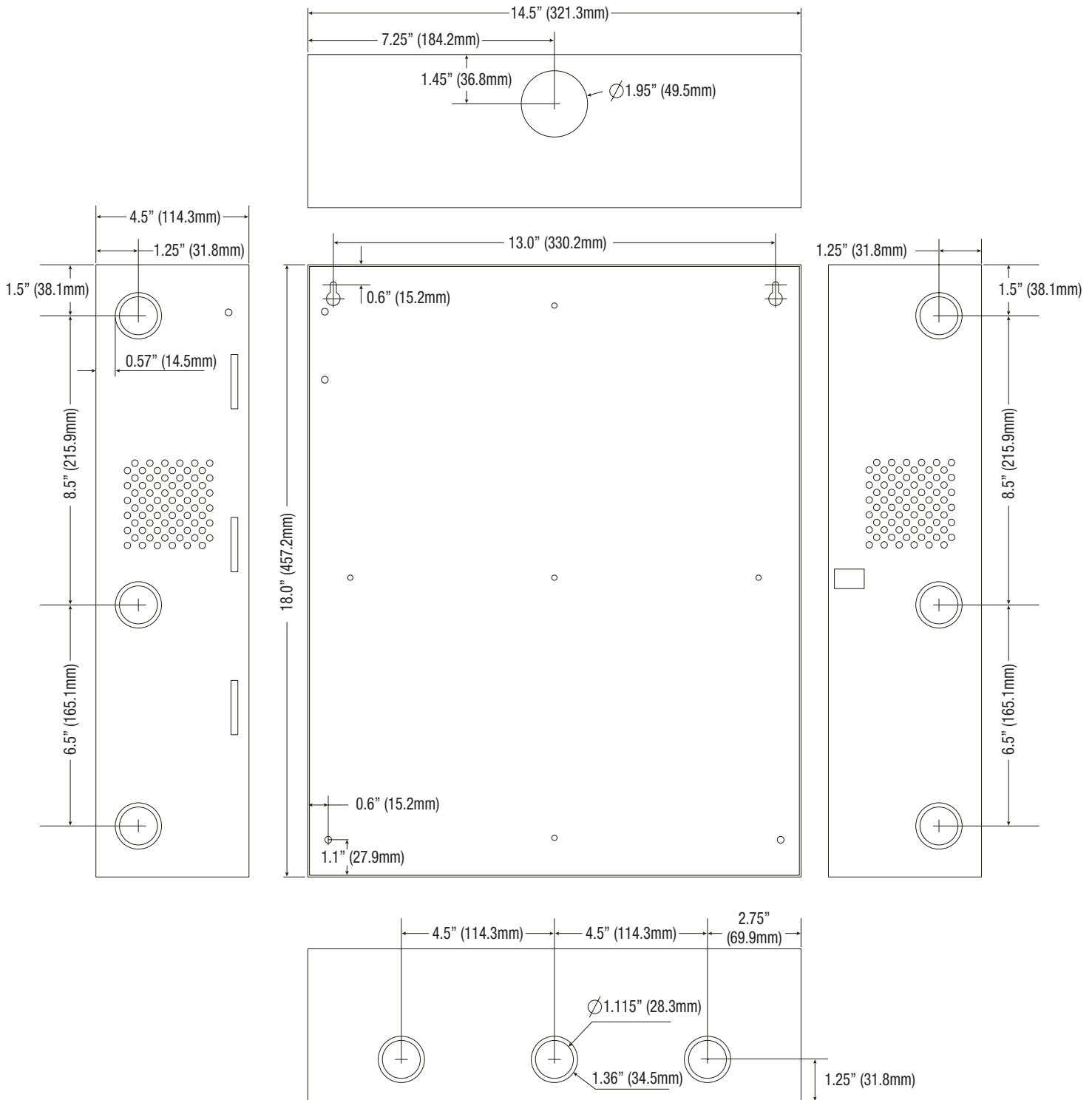
Mercury Board

Notes:

Notes:

Trove1 Enclosure Dimensions (H x W x D approximate):

18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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 IIT1M1CKQ Series

K22W

