TROVE™ PLUS

Access & Power Integration

Altronix/Mercury Wired Kits

Models Include:

T1M1CK1V
4 Door Kit with Fused Outputs

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

T1M1CK2V
2 Door Kit with Fused Outputs

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

T1M1CK3V
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) eFlow4NBV - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and management

T1M1CK1DV
4 Door Kit with PTC Outputs

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

T1M1CK2DV
2 Door Kit with PTC Outputs

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

T1M1CK3DV
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) eFlow4NBV - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) PDS8CB - Dual Input 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

CE

Altronix®

More than just power.™

Rev. 020524

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Plus 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:

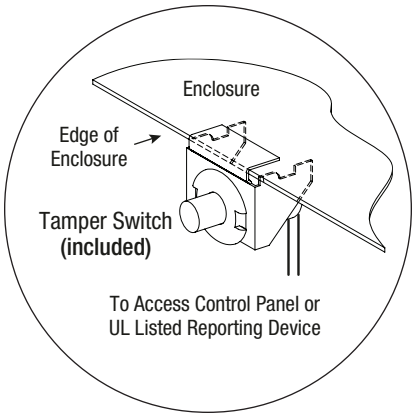
Altronix Model Number	220VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main Outputs on Power Supply board and ACM4(CB) Access Power Controller's outputs	Fail-Safe/ Fail-Secure Outputs	ACM4(CB) Board Input Fuse Rating	ACM4(CB) Board Output 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)						
T1M1CK1V	2.1	5A/ 250V	10A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 3.8A	4	10A/ 32V	3A/ 250V	10A/ 250V	3A/ 250V
T1M1CK2V				20.17-26.4	20.28-26.4						
T1M1CK3V				20.17-26.4	20.28-26.4						
T1M1CK1DV				20.17-26.4	20.28-26.4			10A/ 32V	2.5A	9A	2.5A
T1M1CK2DV				20.17-26.4	20.28-26.4						
T1M1CK3DV				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 eFlow4NBV and corresponding *Installation Guides* for PDS8(CB), VR6, and ACM4(CB) for further installation instructions.

Fig. 1



Hardware:

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

T1M1CK1(D): 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	Ⓐ
LNL-1320 / MR52	Ⓑ

Fig. 2

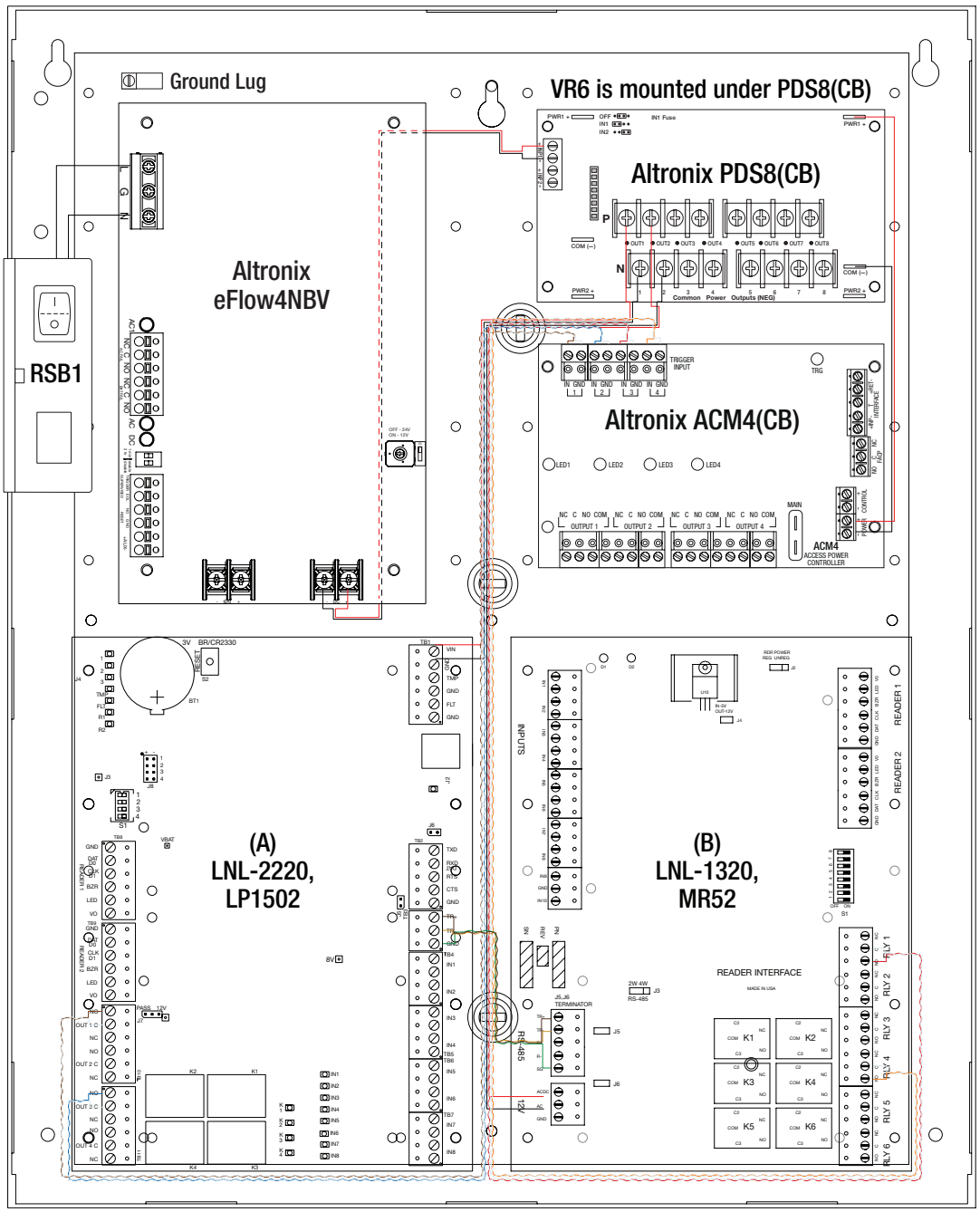
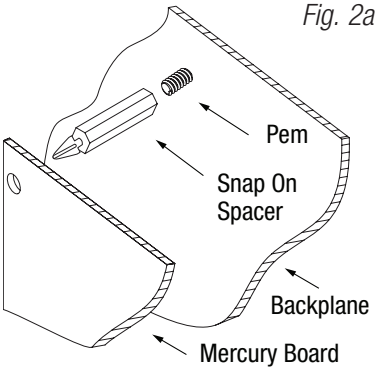


Fig. 2a



T1M1CK2(D): 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	Ⓐ
LNL-1320 / MR52	Ⓑ

Fig. 3

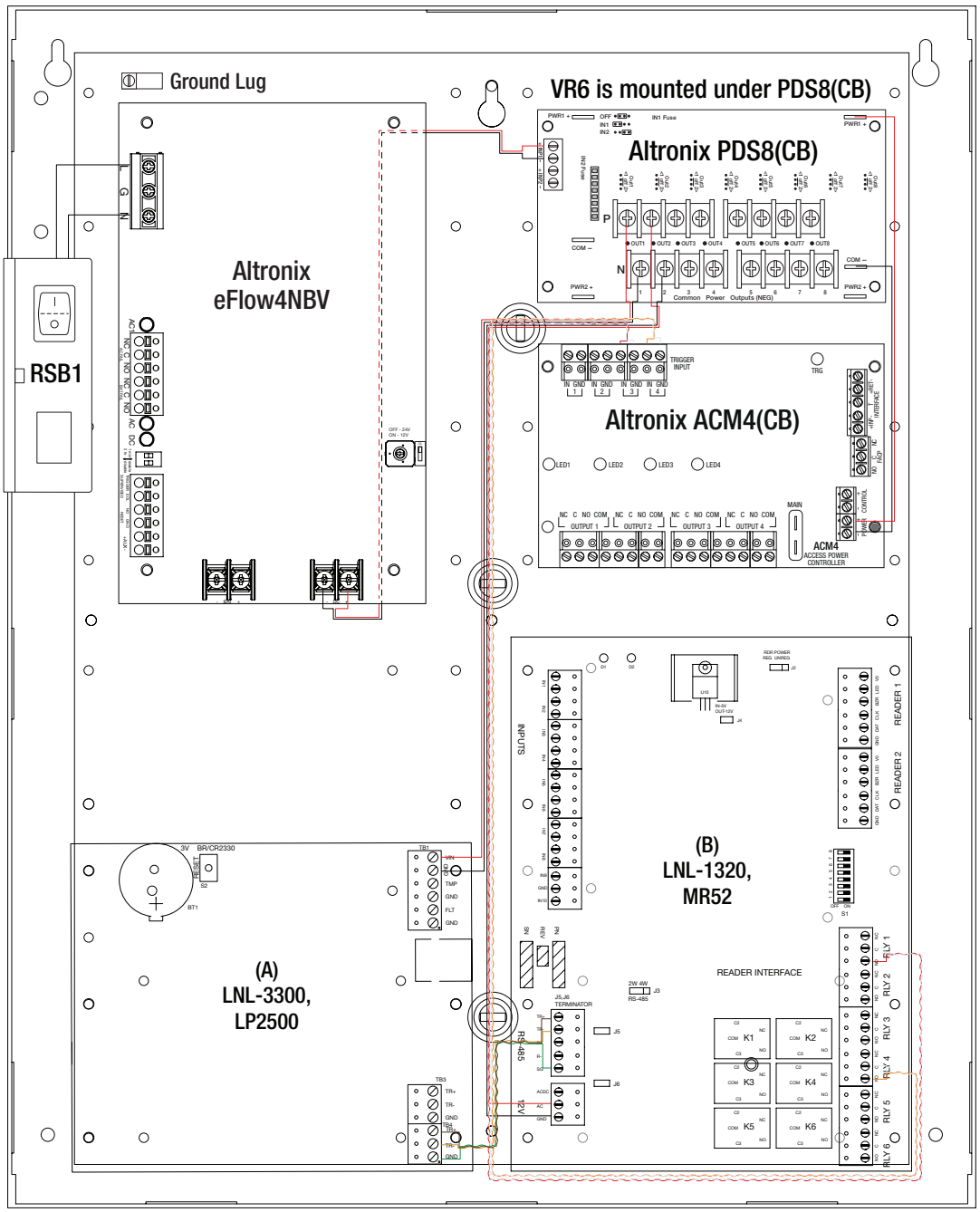
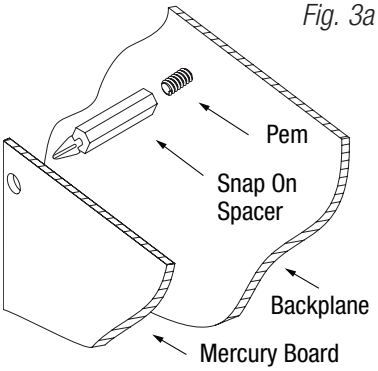


Fig. 3a



T1M1CK3(D): 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-1320 / MR52	(A)
LNL-1320 / MR52	(B)

Fig. 4

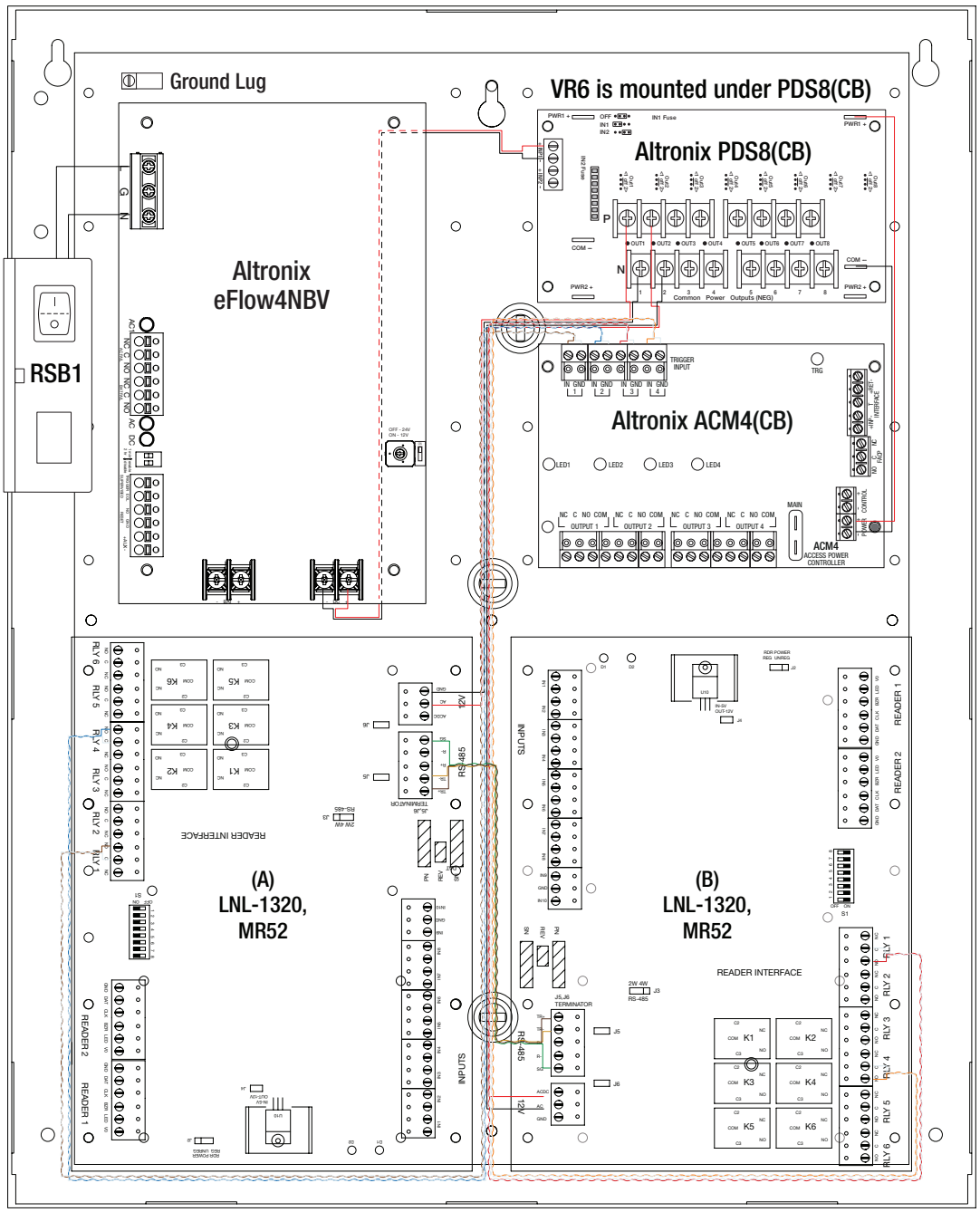
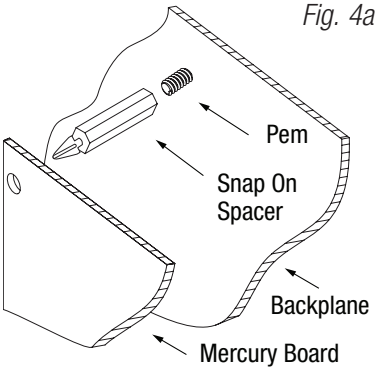
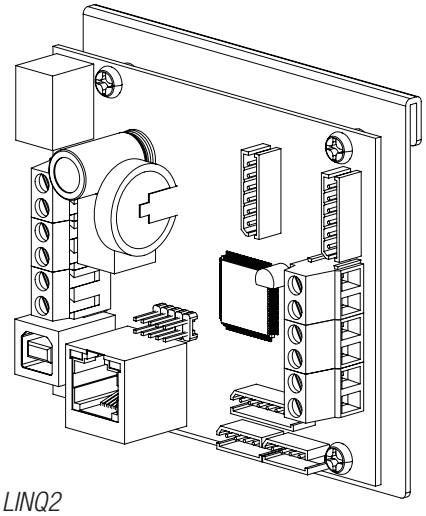


Fig. 4a



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



LINQ2

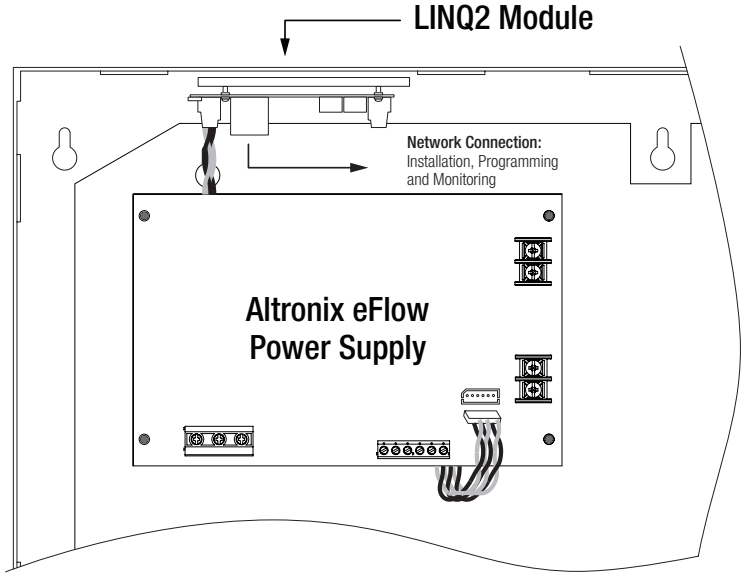
LINQ2 - Network Communication Module

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 managment: 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.

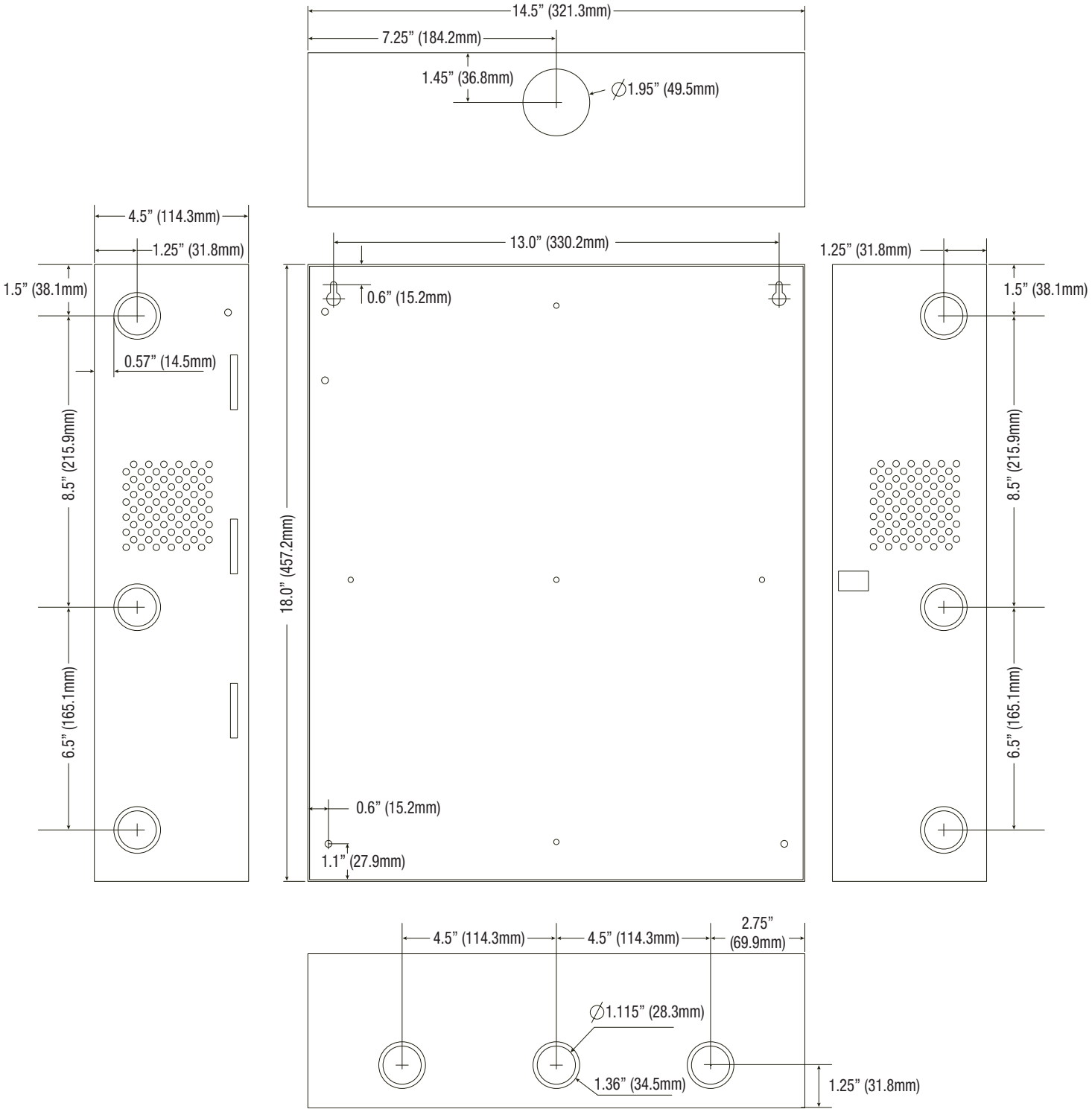
LINQ2 Mounts Inside any Trove Enclosure



Notes:

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

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



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