

## ***Access & Power Integration***

### ***T1SFK3F***

#### ***4-Door Kit***

*Fully assembled kit includes:*

- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) eFlow6NB - Power Supply/Charger

### ***T1SFK3F4***

#### ***4-Door Kit with Fused Relay Outputs***

*Fully assembled kit includes:*

- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller

### ***T1SFK3F8S***

#### ***4-Door Kit with Fused Power Outputs***

*Fully assembled kit includes:*

- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input/Output Fused 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. T1SF010621**

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

Altronix Trove Swiftlane kits are pre-assembled and consist of Trove enclosure/backplane with factory installed Altronix power supply/chargers and sub-assemblies. Each kit accommodates one (1) Swiftlane Controls Door Controller 5 (SL-DCU-5) boards.

## 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 ACM4/ACM4CB Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACM4 Output (A)	ACM4 Board Input Fuse Rating	ACM4 Board Output Fuse Rating	PDS8/PDS8CB Board Input Fuse Rating	PDS8 Board Output Fuse Rating
				[DC]		[Aux]								
				12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)							
<b>T1SFK3F</b>	3.5	5A/250V	15A/32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	-	-	-	-	-	-	
<b>T1SFK1F4</b>	3.5	5A/250V	15A/32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	24VDC @ 5.7A	4	2.5	10A/250V	3A/250V	-	
<b>T1SFK3F8S</b>	3.5	5A/250V	15A/32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	-	-	-	-	-	10A/250V	3A/250V

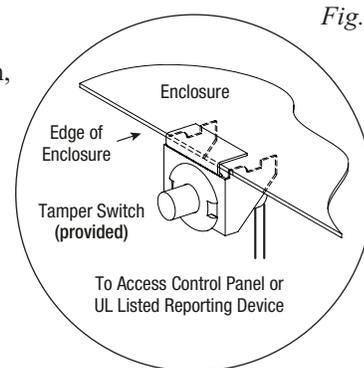
## Hardware and Accessories:

 6/32 5/8" Nylon or Metal Spacer | 
  6/32 5/16" Pan Head Screw | 
  4/40 5/8" Metal Spacer | 
  4/40 5/16" Pan Head Screw | 
  Lock Nut

## 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 Swiftlane boards to backplane, *refer to pages 3-5*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, and corresponding Sub-Assembly Installation Guide for ACM4(CB), PDS8(CB) and VR6 for further installation instructions.
6. Mount backplane to enclosure with hardware.



## T1SFK3F: Configuration of Swiftlane Controls Boards:

1. Align the Swiftlane board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Swiftlane board (*Fig. 2, 2a, pg. 3*).

**Note:** Swiftlane board must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (*Fig. 2, pg. 3*).

3. Mount Swiftlane board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (*Fig. 2a, pg. 3*).
4. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

Fig. 2

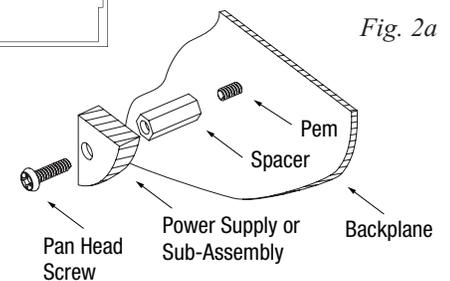
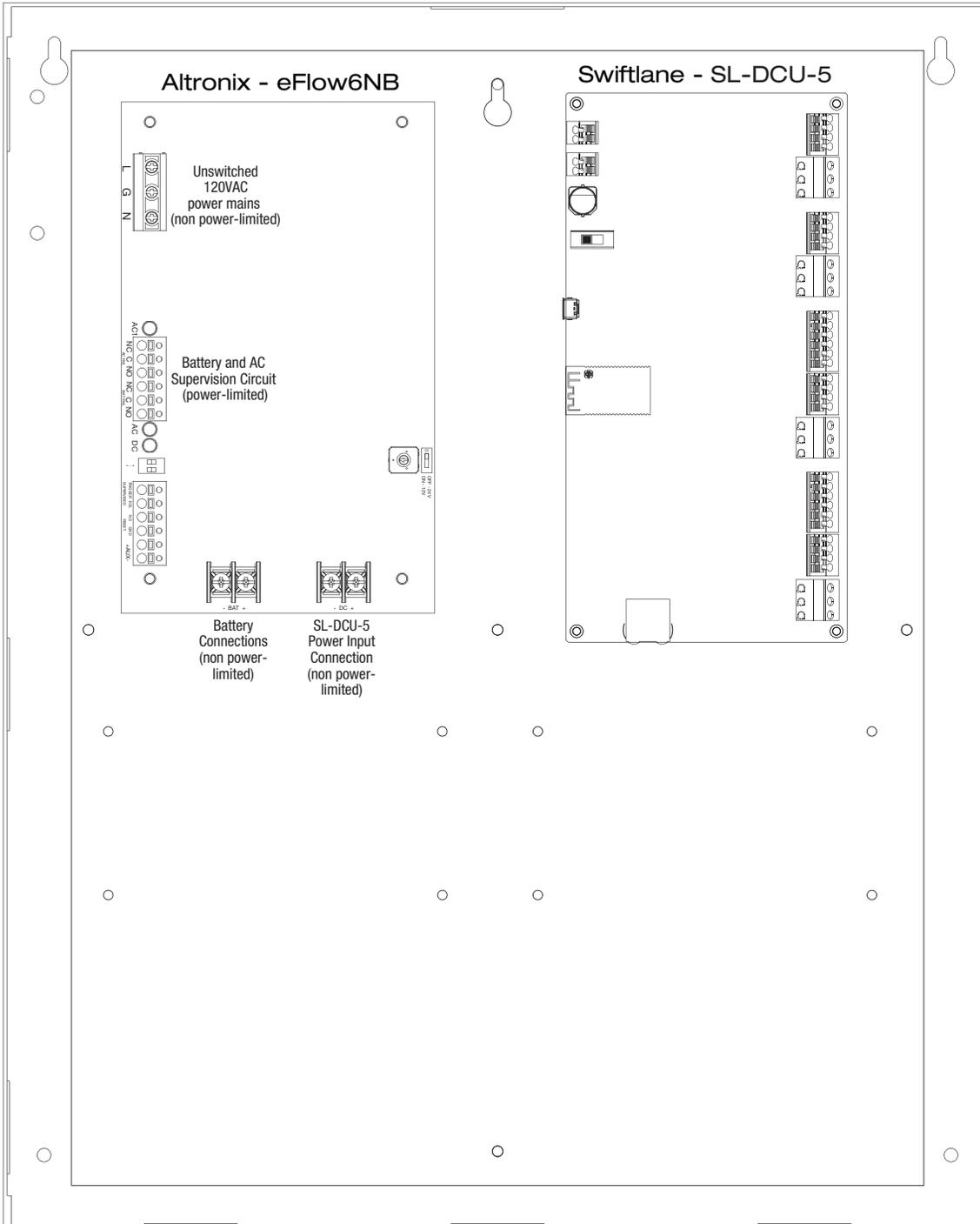


Fig. 2a

## T1SFK3F4: Configuration of Swiftlane Controls Boards:

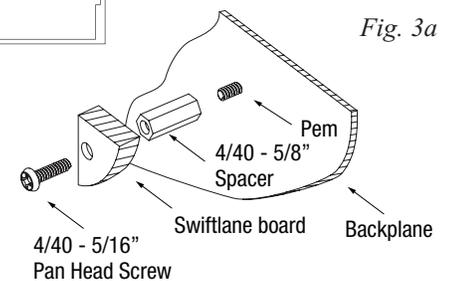
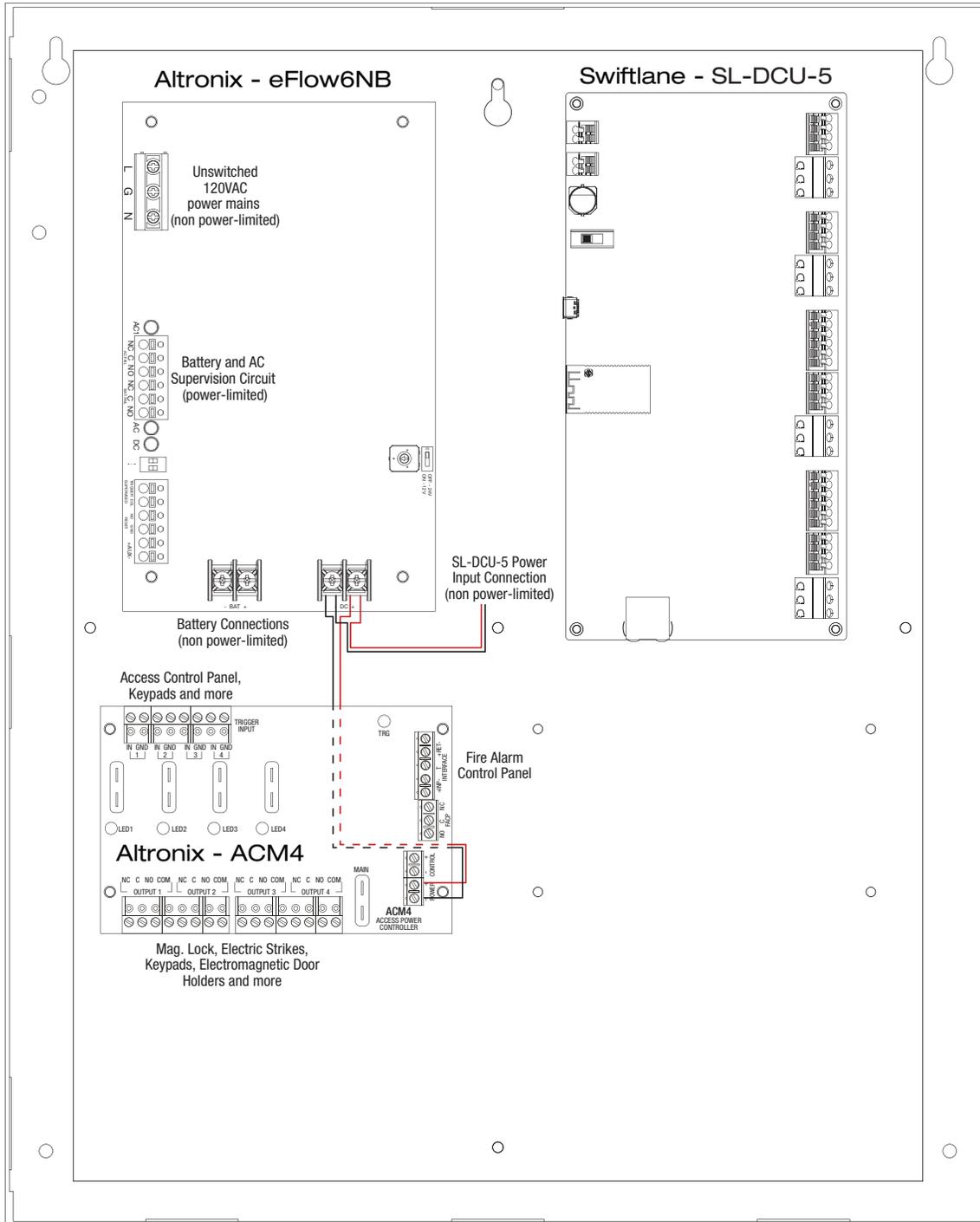
1. Align the Swiftlane board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Swiftlane board (Fig. 3, 3a, pg. 4).

**Note:** Swiftlane board must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (Fig. 3, pg. 4).

3. Mount Swiftlane board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 3a, pg. 4).
4. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

Fig. 3



## T1SFK3F8S: Configuration of Swiftlane Controls Boards:

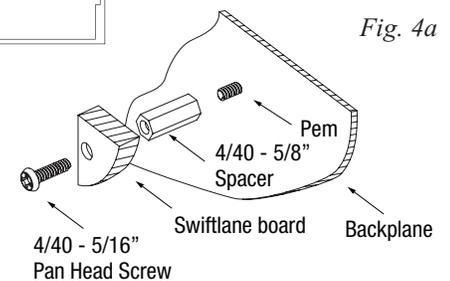
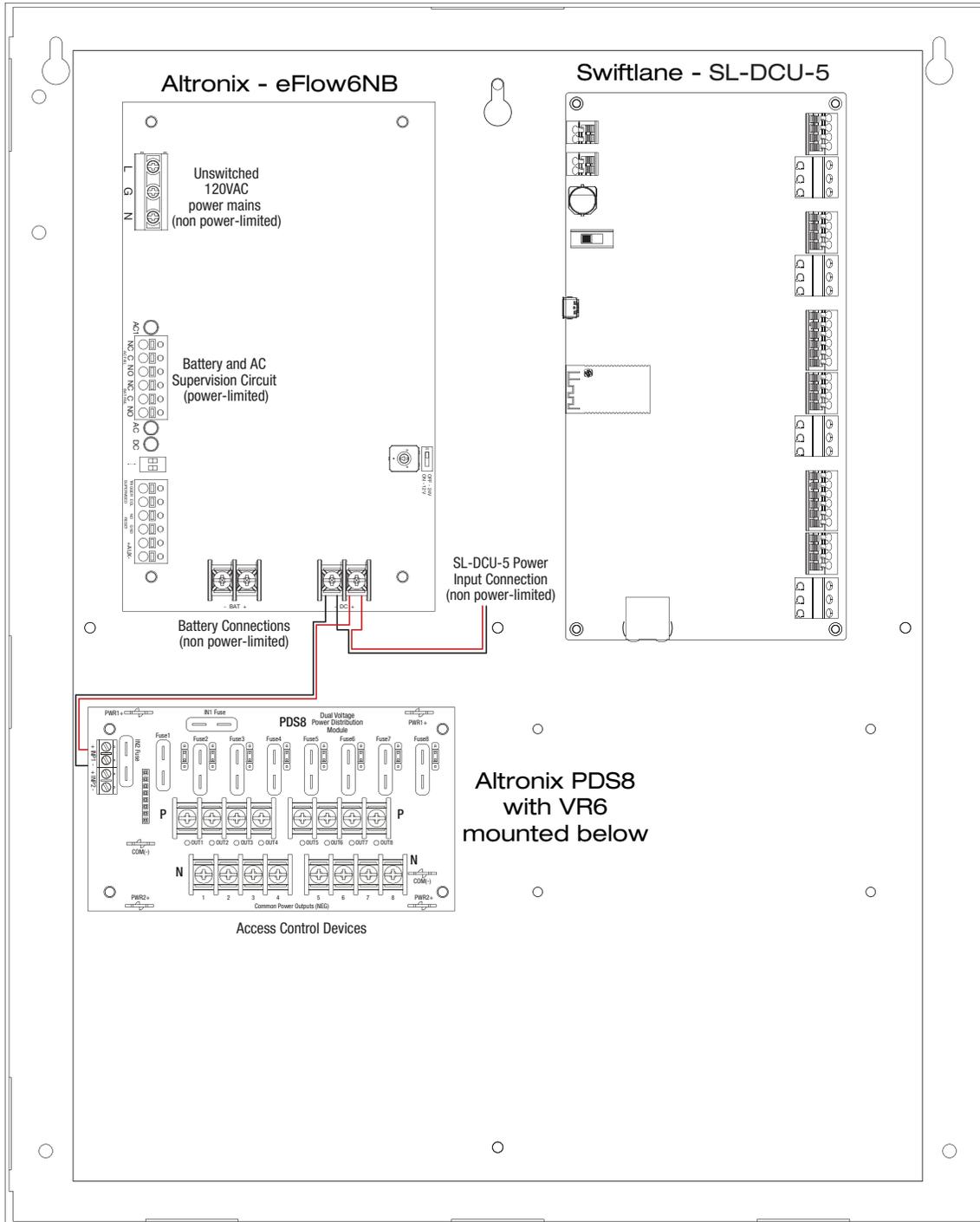
1. Align the Swiftlane board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Swiftlane board (Fig. 4, 4a, pg. 5).

**Note:** Swiftlane board must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (Fig. 4, pg. 5).

3. Mount Swiftlane board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 4a, pg. 5).
4. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

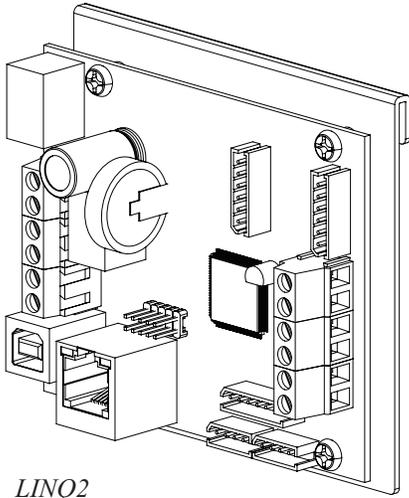
Fig. 4



**Notes:**



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



# LINQ™

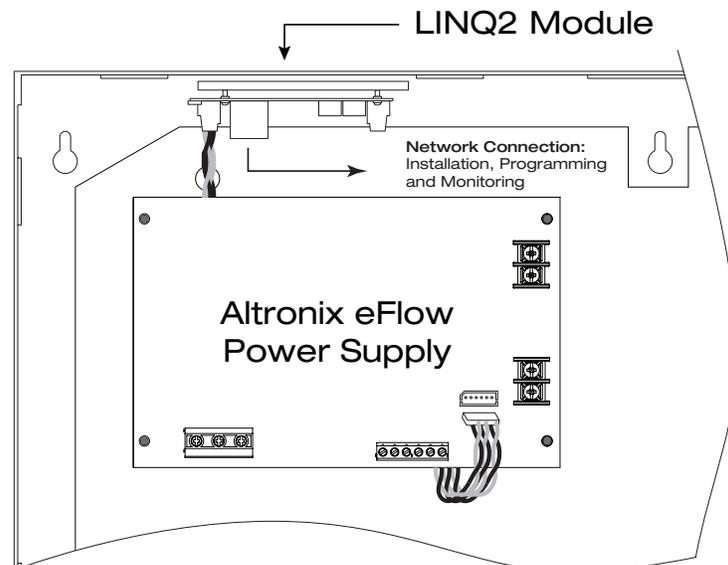
## **LINQ2 - Network Communication Module**

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:**

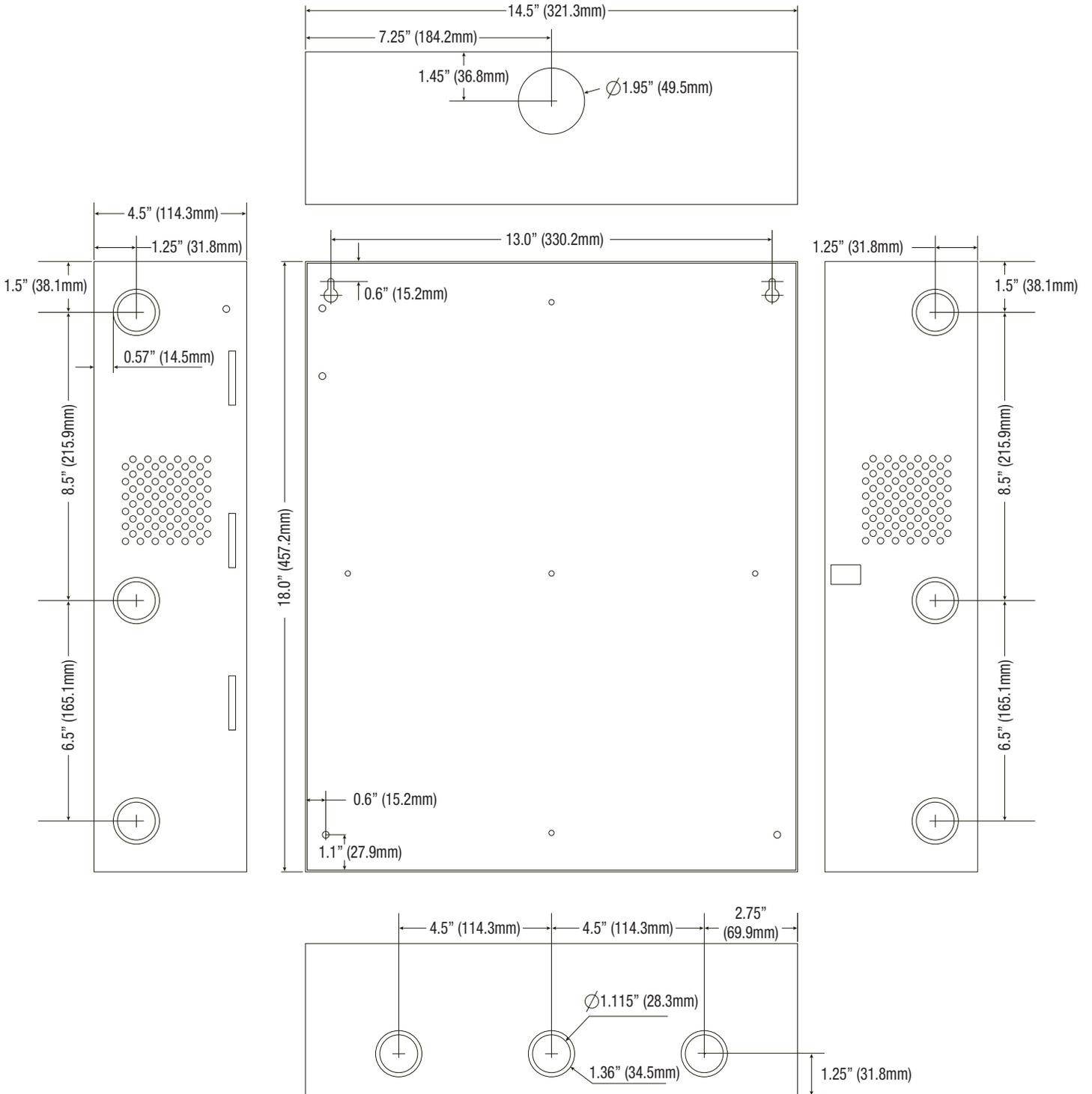
- UL Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access 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**



**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.

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 web site: [www.altronix.com](http://www.altronix.com) | e-mail: [info@altronix.com](mailto:info@altronix.com) | Lifetime Warranty | Made in U.S.A.  
 IITSF1 Kit Series

A06U



TSF1 Kits