SWIFTLANE

Access & Power Integration

Altronix/Swiftlane Controls Kits

Models Include:

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 Fused Power Distribution Module

T1SFK3F4D
4 Door Kit with PTC Relay Outputs

Fully assembled kit includes:
- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller

T1SFK3F8SD
4 Door Kit with PTC 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) PDS8CB - Dual Input PTC 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

CE

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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/bakcplane 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 [DC] 12VDC Output Range (V)	Nominal DC Output Voltage [DC] 24VDC Output Range (V)	Nominal DC Output Voltage [Aux] 12VDC Output Range (V)	Nominal DC Output Voltage [Aux] 24VDC Output Range (V)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4(CB) Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure Outputs	Current Per ACM4(CB) Output (A)	ACM4(CB) Board Input Fuse (PTC) Rating	ACM4(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
T1SFK3F	3.5	5A/ 250V	15A/ 32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	–	–	–	–	–	–	–
T1SFK1F4	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/ 32V	–	–
T1SFK1F4D	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	2.0	9A	2.5A	–	–
T1SFK3F8S	3.5	5A/ 250V	15A/ 32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	–	–	–	–	–	10A/ 32V	3A/ 32V
T1SFK3F8SD	3.5	5A/ 250V	15A/ 32V	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	–	–	–	–	–	9A	2A

Hardware and Accessories:

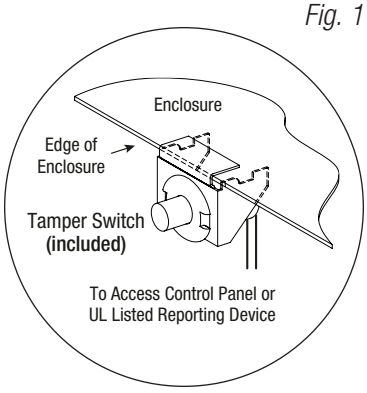
6/32 5/8" Nylon or Metal Spacer | 6/32 5/16" Pan Head Screw | 4/40 5/8" Metal Spacer | 4/40 5/16" Pan Head Screw | Lock Nut

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. Connect unswitched AC power (120VAC 60Hz) to [L, N] terminals. 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.
6. Measure voltage before connecting devices. This helps avoiding potential damage.
7. 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.
8. Mount backplane to enclosure with hardware.

Fig. 1



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 Switflane 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

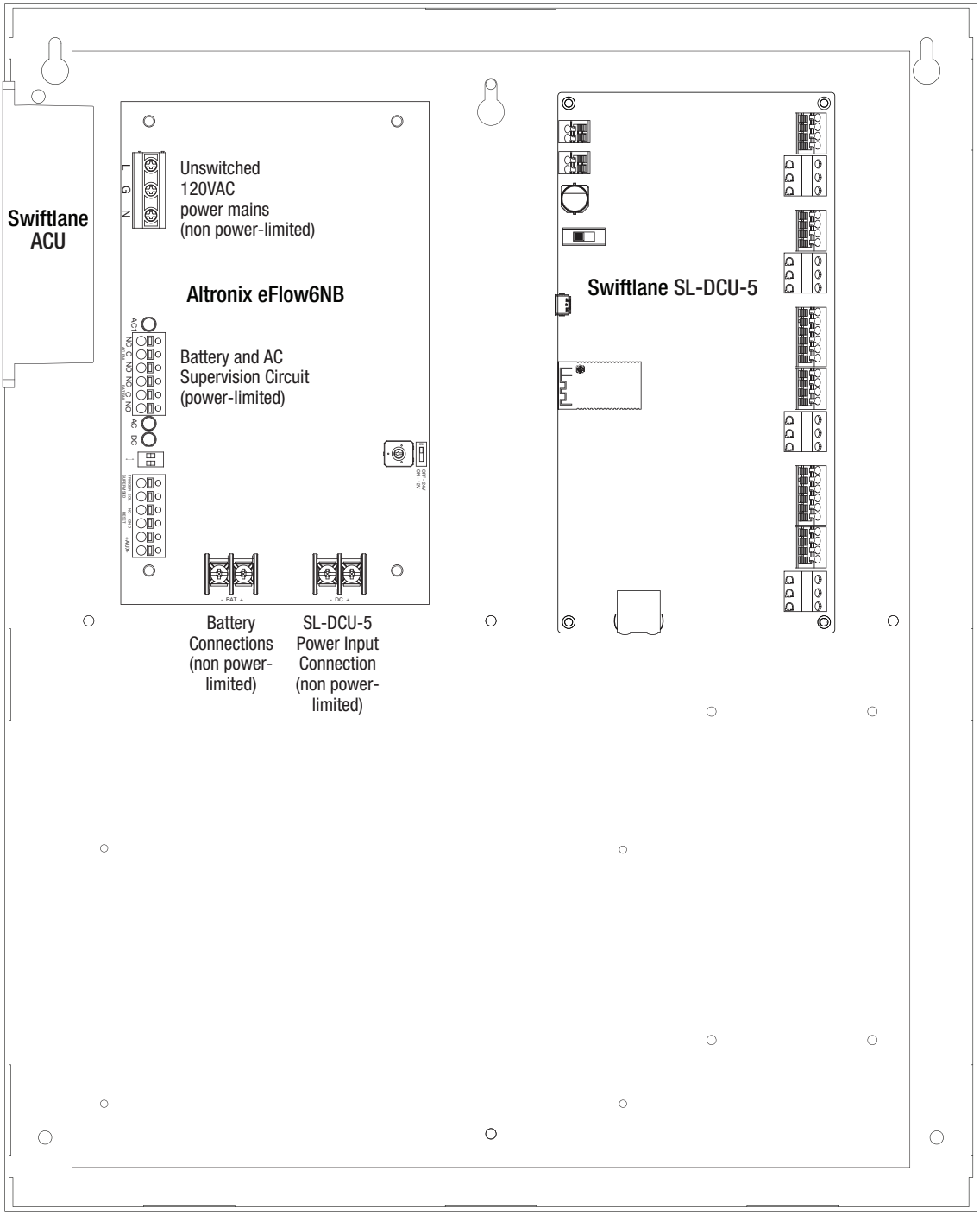
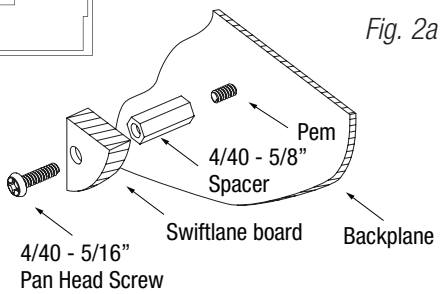


Fig. 2a



T1SFK3F4(D): 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 Switflane 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

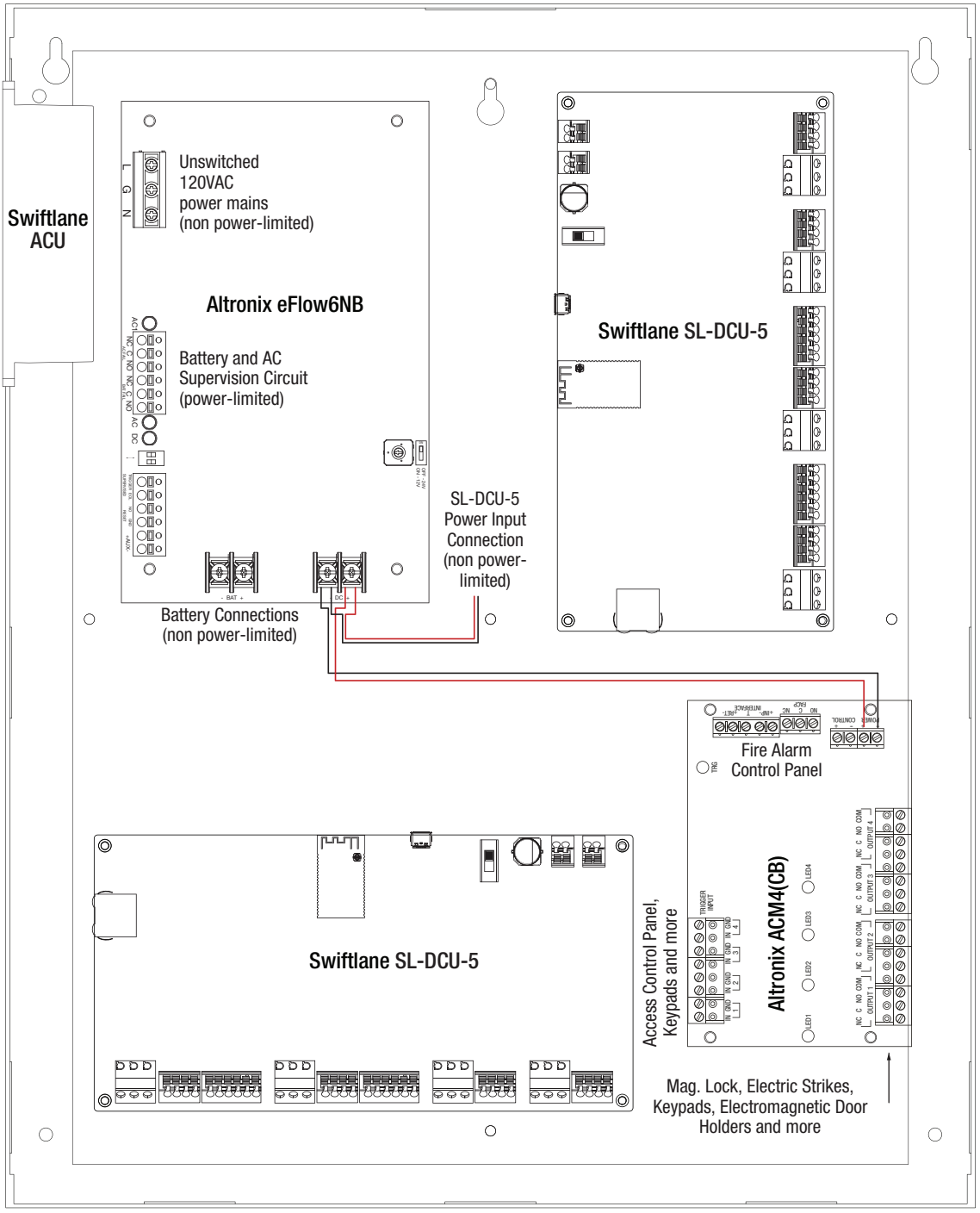
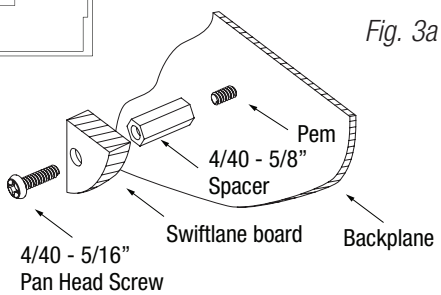


Fig. 3a



T1SFK3F8S(D): 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 Switflane 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

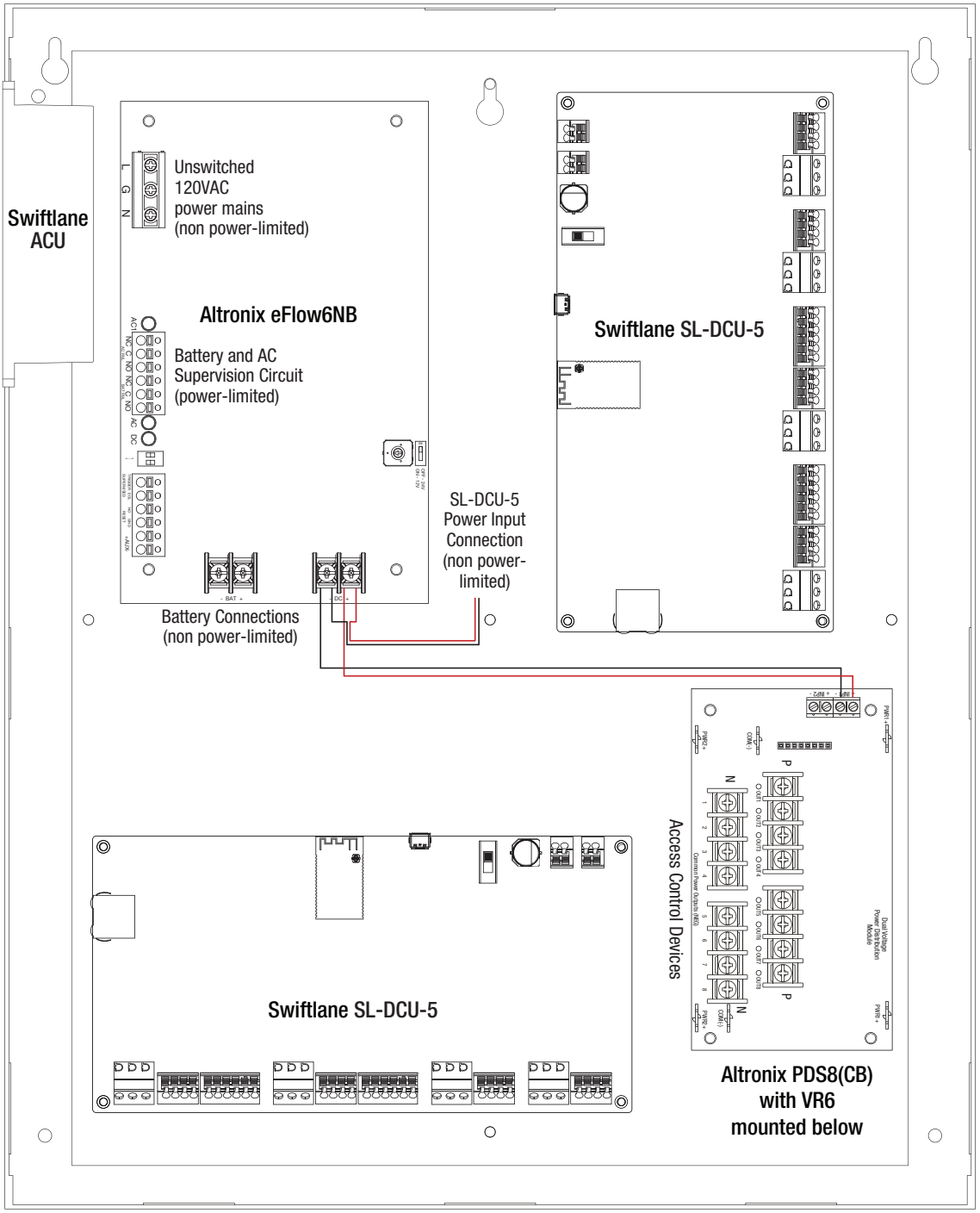
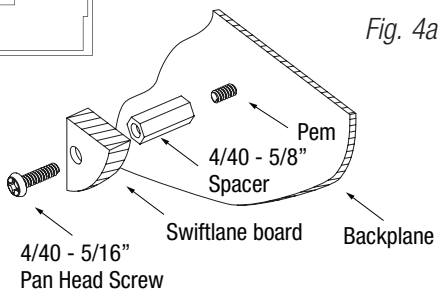
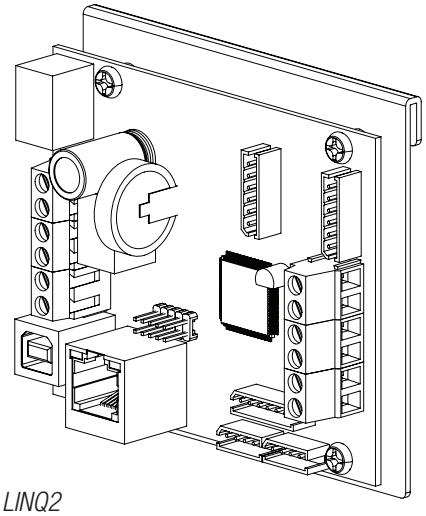


Fig. 4a



Notes:

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



LINQ2

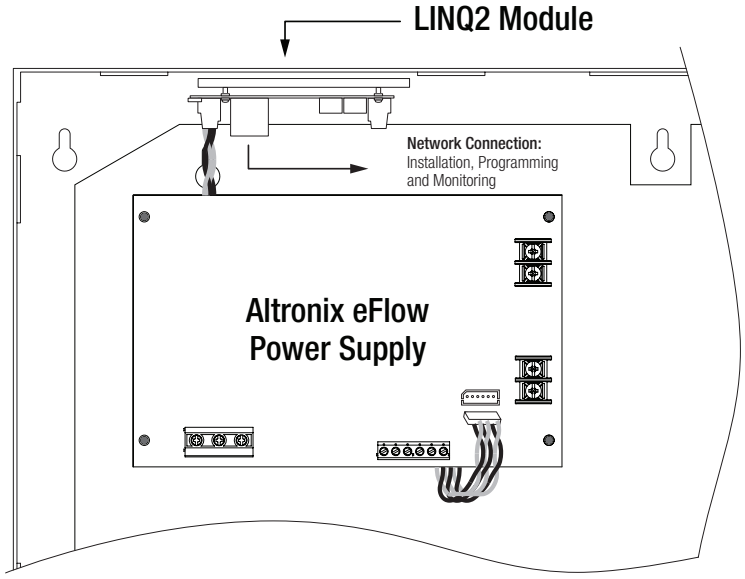
LINQ2 - Network Communication Module

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:

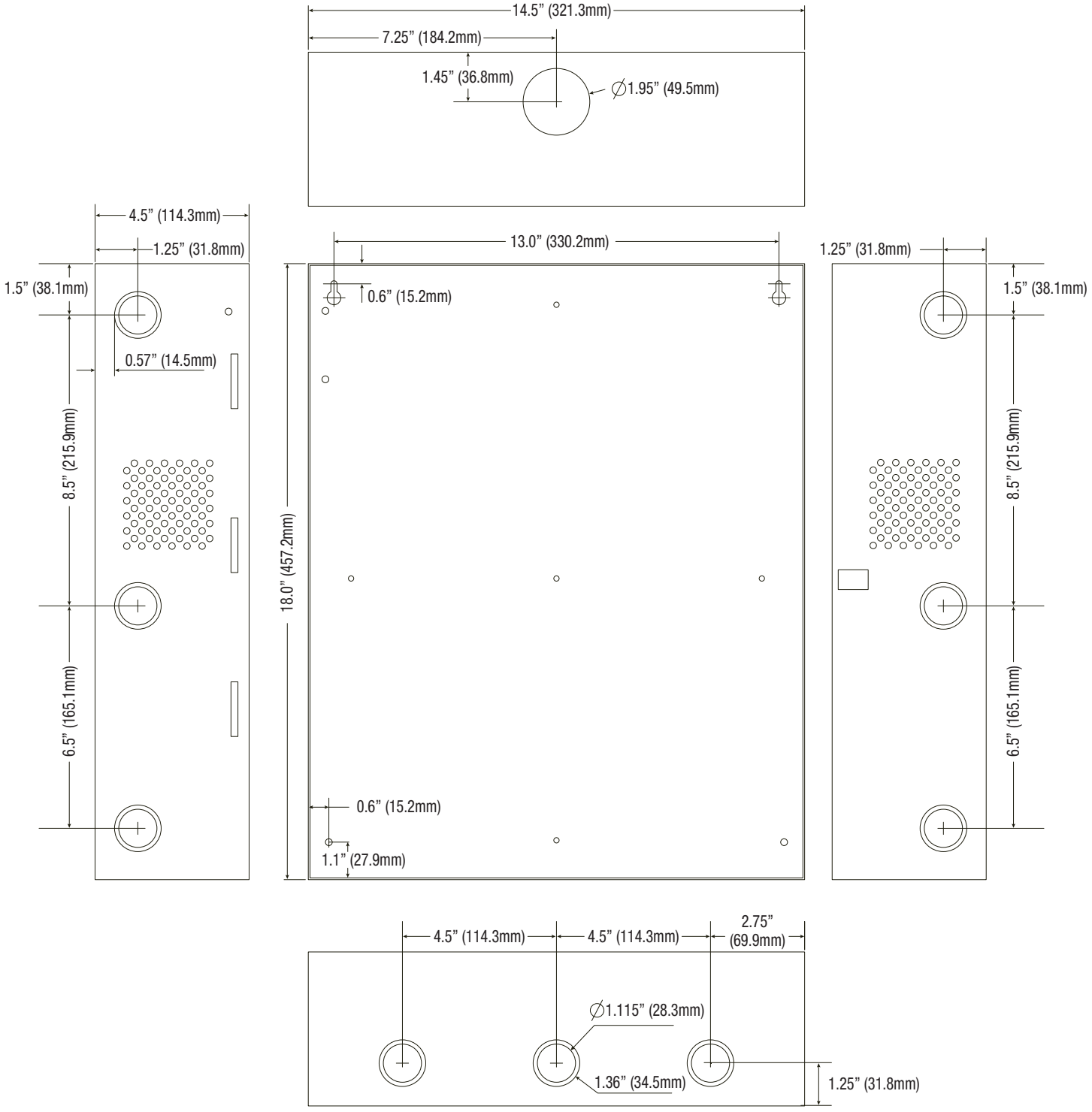
- UL Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access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



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

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



Swiftlane is not responsible for any typographical errors.