SWIFTLANE

Access & Power Integration

Altronix/Swiftlane Controls Kits

Models Include:

T2SFK12

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) PDS16 - Fused Dual Input Power Distribution Module
- One (1) VR6 - Voltage Regulator

T2SFK12D

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) PDS16CB - PTC Dual Input Power Distribution Module
- One (1) VR6 - Voltage Regulator

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

Installation Guide

CE

Rev. 020625

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Swiftlane kits are pre-assembled and consist of Trove enclosure/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. Each kit also accommodates up to six (6) Swiftlane Controls Door Controller 5 (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] 24VDC Output Range (V)	Nominal DC Output Voltage [Aux] 24VDC Output Range (V)	Current Per PDS16(CB) Output (A)	PDS16(CB) Board Input Fuse (PTC) Rating	PDS16(CB) Board Output Fuse (PTC) Rating
T2SFK12	4.5	6.3A/250V	15A/32V	20.19-26.4	20.19-26.4	2.5A	15A/32V	3A/32V
T2SFK12D						2.0A	9A	2.5A

Hardware and Accessories:

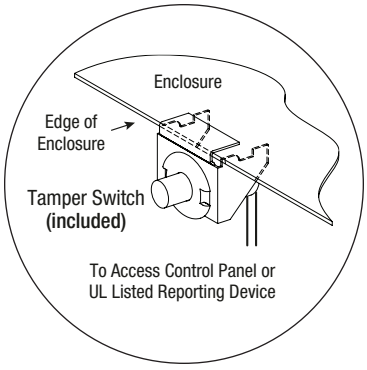
6/32 5/8" Nylon or Metal Spacer | 6/32 5/16" Pan Head Screw | 4/40 5/8" Metal Spacer | 4/40 5/16" Pan Head Screw | Lock Nut

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. 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.
5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount Swiftlane boards to backplane, *refer to pages 3-5.*
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB, and corresponding Sub-Assembly Installation Guide for PDS16(CB and VR6, for further installation instructions.
8. Mount backplane to enclosure with hardware.

Fig. 1



T2SFK12(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. 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 Trove2 enclosure utilizing lock nuts (provided).

Fig. 2

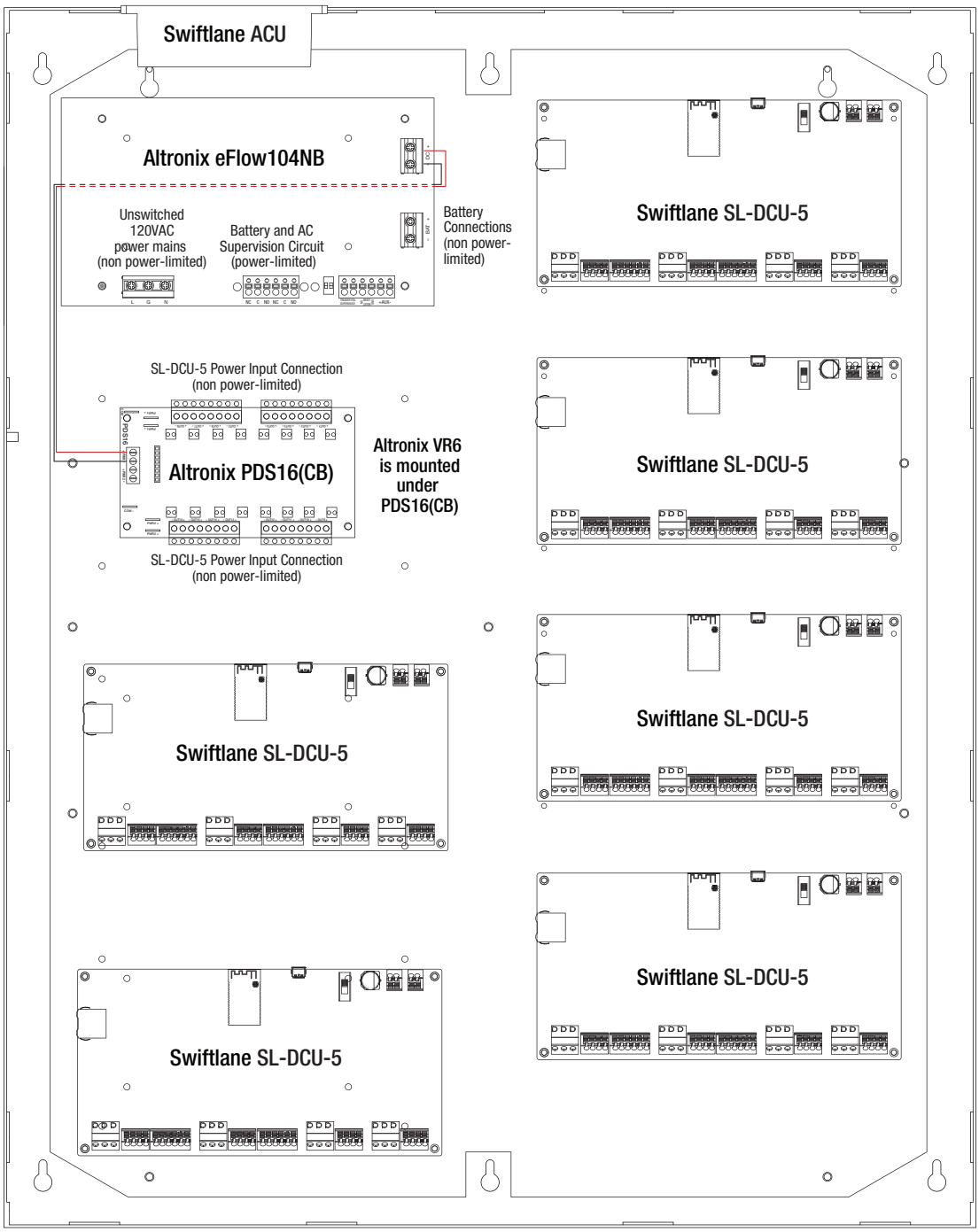
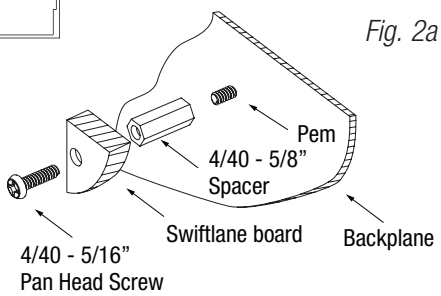
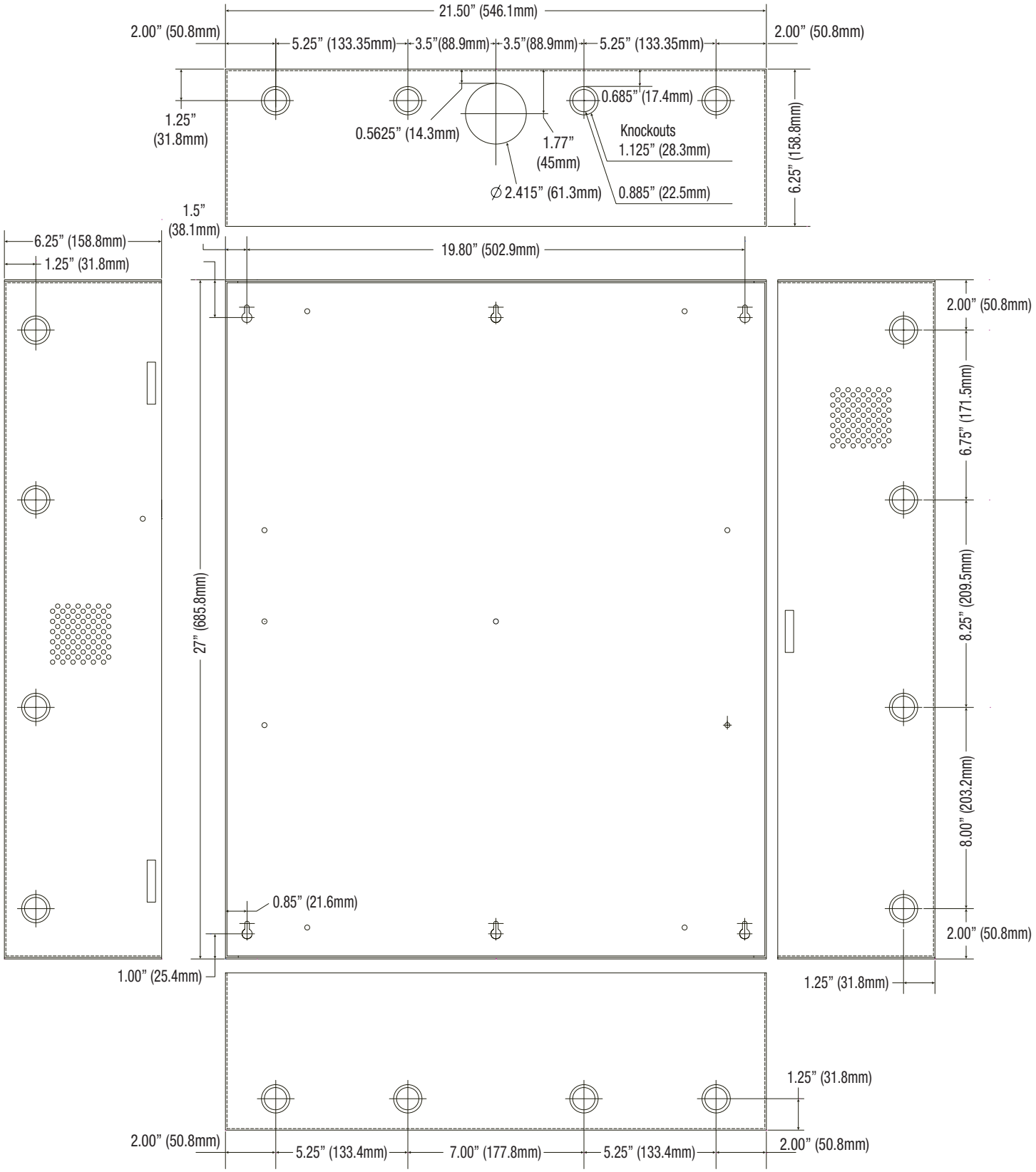


Fig. 2a



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

27.25” x 21.5” x 6.5” (692.2mm x 552.5mm x 165.1mm)



Swiftlane is not responsible for any typographical errors.