SWIFTLANE

Access & Power Integration

Altronix/Swiftlane Controls Kits

Models Include:

T2SFK74
12 Door Kit with Fused Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) PD4UL - Fused Power Distribution Module
- One (1) NetWay5A - 5-port Switch

T2SFK74D
12 Door Kit with PTC Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) PD4ULCB - PTC Power Distribution Module
- One (1) NetWay5A - 5-port Switch

T2SFK712
12 Door Kit with Fused Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- Two (2) PDS8 - Dual Input Fused Power Distribution Modules
- One (1) NetWay5A - 5-port Switch

T2SFK712D
12 Door Kit with PTC Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- Two (2) PDS8CB - Dual Input PTC Power Distribution Modules
- One (1) NetWay5A - 5-port Switch

T2SFK716S
12 Door Kit with Fused Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- Two (2) ACMS8 - Dual Input Fused Access Control Modules
- One (1) PD4UL - Fused Power Distribution Module
- One (1) NetWay5A - 5-port Switch

T2SFK716SD
12 Door Kit with PTC Outputs

Fully assembled kit includes:
- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- Two (2) ACMS8CB - Dual Input PTC Access Control Modules
- One (1) PD4ULCB - PTC Power Distribution Module
- One (1) NetWay5A - 5-port Switch

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

Installation Guide

CE

All registered trademarks are property of their respective owners.

Rev. T2SFX111521

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 three (3) 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 Range (V)	Maximum Supply Current for Main Output on Power Supply board and ACMS8(CB) Access Power Controllers' outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating	PD4UL(CB) Board Output Fuse (PTC) Rating	NetWay5A Switch Input	NetWay5A Switch Outputs
T2SFK74	4.2	6.3A/ 250V	15A/ 32V	20.19-26.4	–	–	–	–	–	–	–	3.5A/ 250V	24 VDC	Five (5) data ports
T2SFK74D												2.5A		
T2SFK712					–	–	–	–	–	10A/ 32V	3A/ 32V	–		
T2SFK712D										9A	2.5A			
T2SFK716S					24VDC @ 9.4A	16	2.5	15A/ 32V	3A/ 32V	–	–	3.5A/ 250V		
T2SFK716SD							2.0	9A	2.5A			2.5A		

Hardware and Accessories:

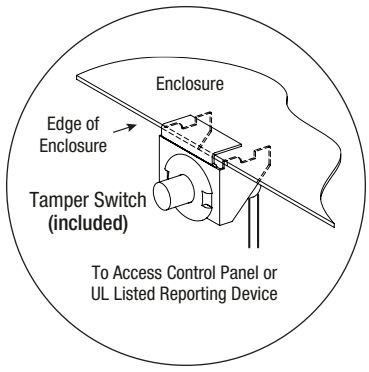
6/32 5/8" Nylon or Metal Spacer | 6/32 5/16" Pan Head Screw | 4/40 5/8" Metal Spacer | 4/40 5/16" Pan Head Screw | Lock Nut

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. Mount Swiftlane boards to backplane, *refer to pages 3-5.*
5. Connect unswitched AC power (115VAC 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 (115VAC 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 *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2, and corresponding Sub-Assembly Installation Guide for ACMS8(CB), PDS8(CB), VR6, PD4UL(CB) and NetWay5A for further installation instructions.
8. Mount backplane to enclosure with hardware.

Fig. 1



T2SFK74(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

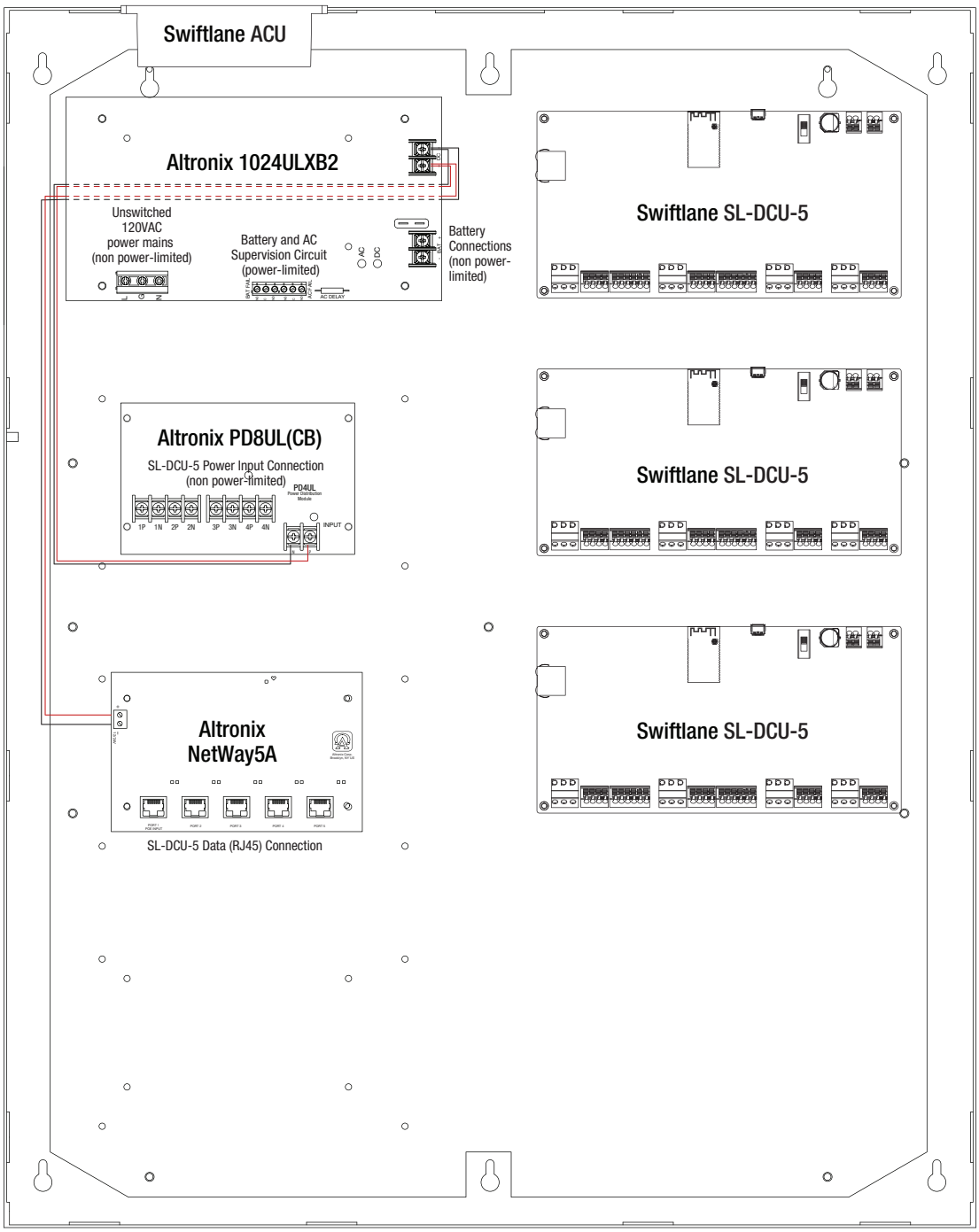
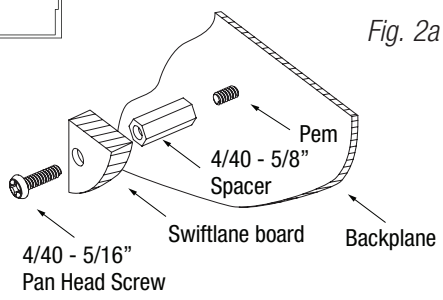


Fig. 2a



T2SFK712(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 Trove2 enclosure utilizing lock nuts (provided).

Fig. 3

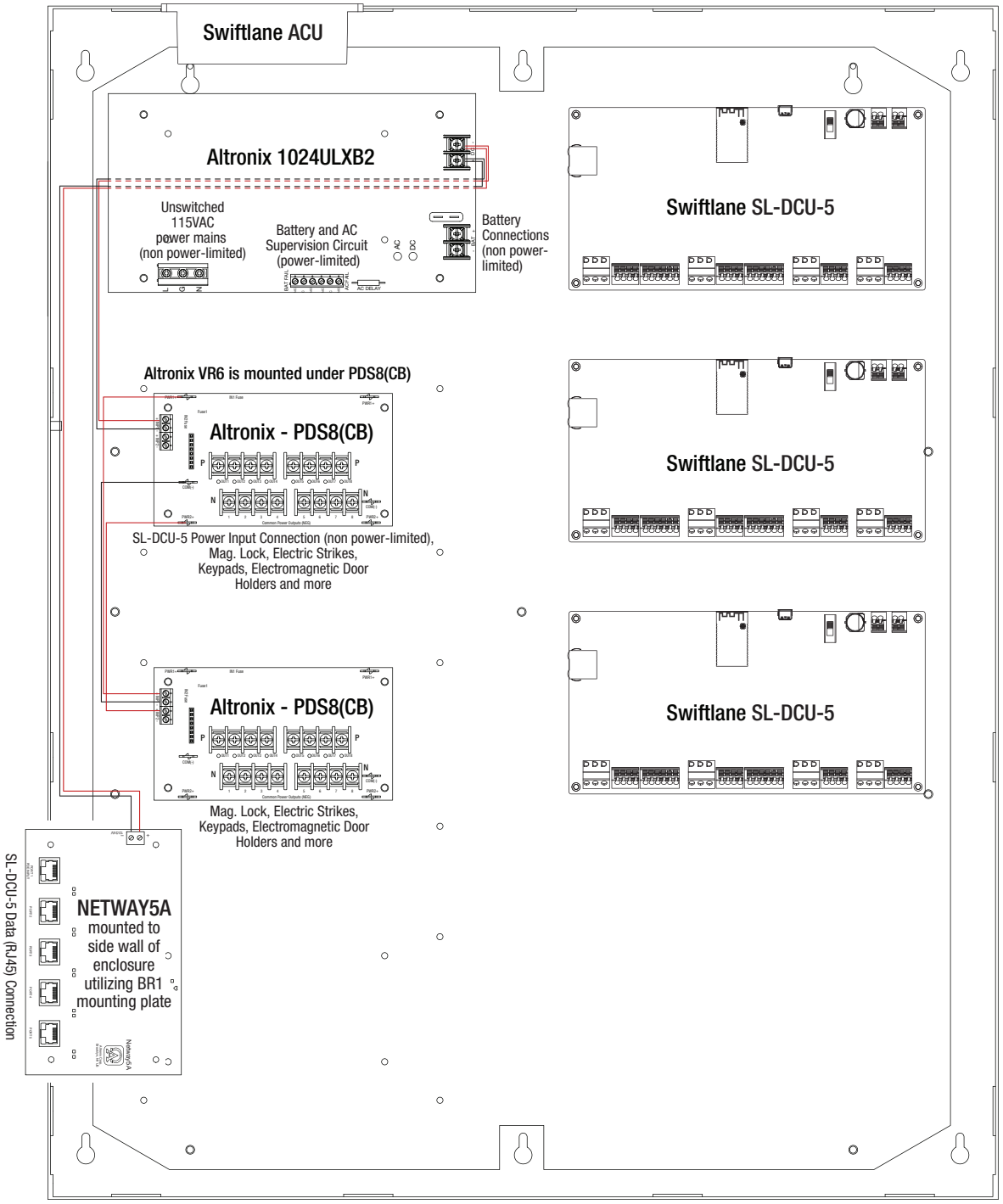
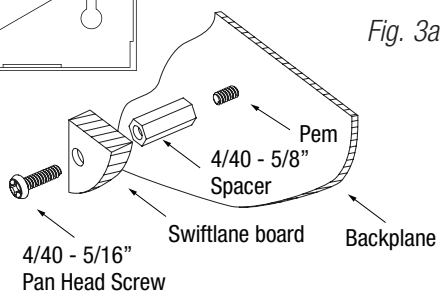


Fig. 3a



T2SFK716S(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 Trove2 enclosure utilizing lock nuts (provided).

Fig. 4

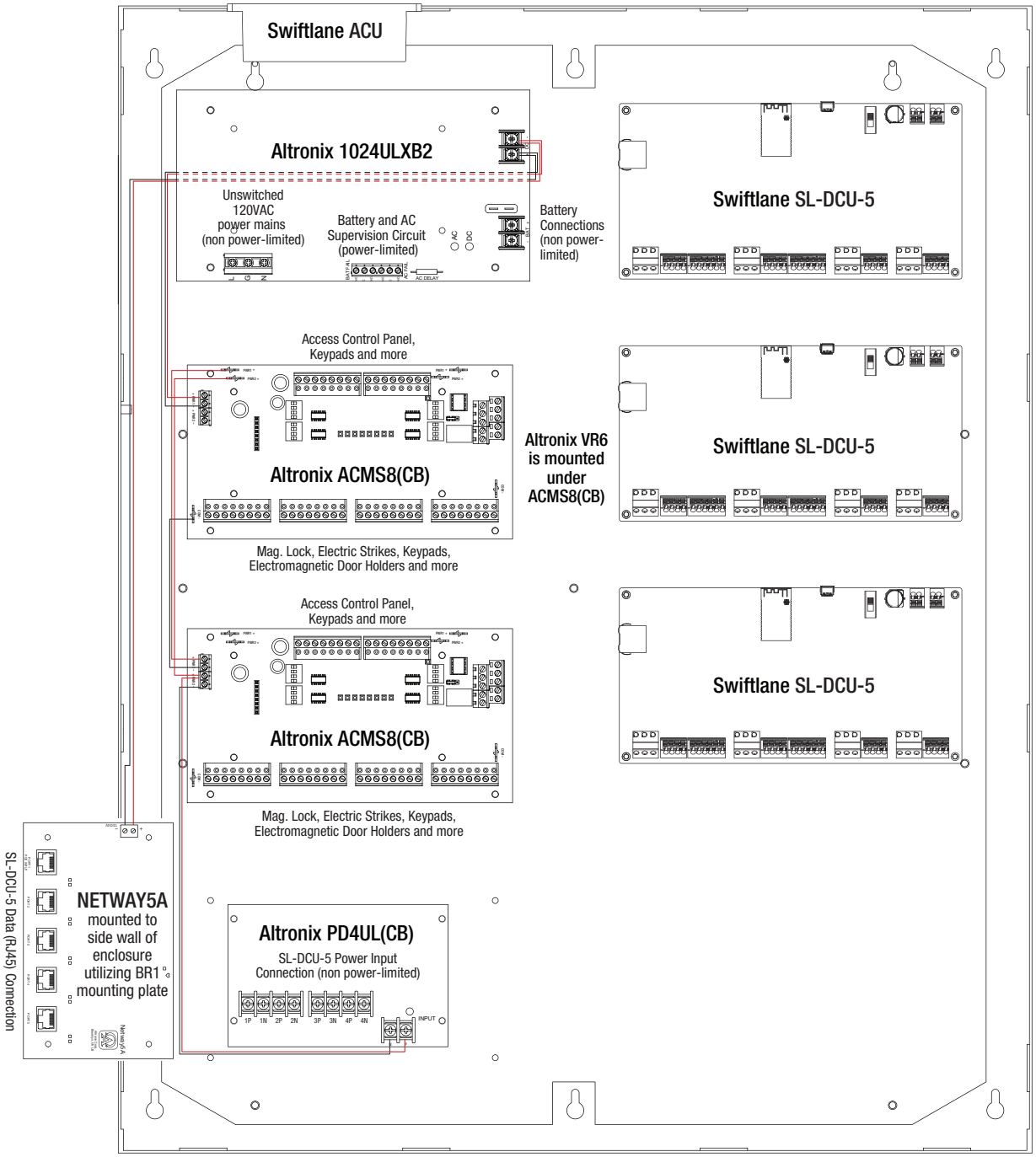
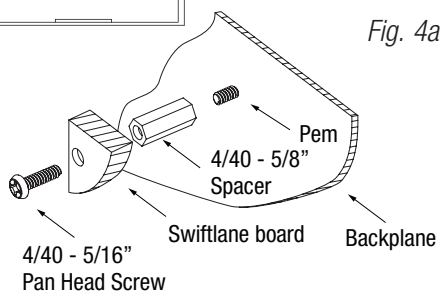


Fig. 4a

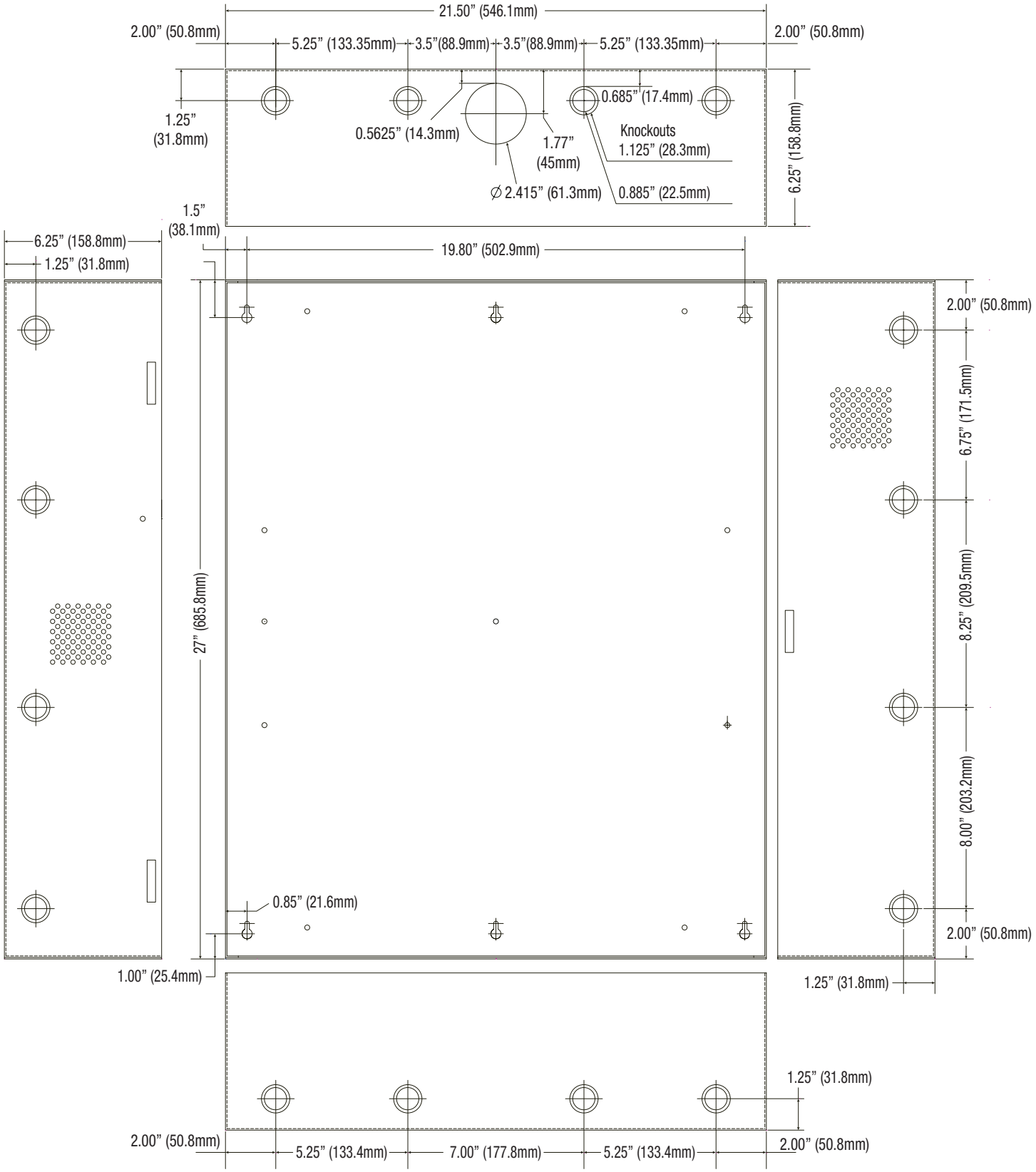


Notes:

Notes:

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.