

Access & Power Integration

Altronix/Swiftlane Controls Kits

Models Include:

T1SFKT4

4 Door Kit with Fused Relay Outputs

Fully assembled kit includes:

- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) Tango1B - PoE Driven Power Supply/Charger
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2SFKT6S

6 Door Kit with Fused Relay Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) Tango1B - PoE Driven Power Supply/Charger
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) NetWay5A - 5-Port Switch
- One (1) BR1 - Mounting Bracket

T2SFKTT12S

12 Door Kit with Fused Relay Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- Two (2) Tango1B - PoE Driven Power Supply/Chargers
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- One (1) NetWay5A - 5-Port Switch
- One (1) BR1 - Mounting Bracket

T1SFKT4D

4 Door Kit with PTC Relay Outputs

Fully assembled kit includes:

- Trove1 enclosure with TSF1 Altronix/Swiftlane Controls backplane
- One (1) Tango1B - PoE Driven Power Supply/Charger
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T2SFKT6SD

6 Door Kit with PTC Relay Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- One (1) Tango1B - PoE Driven Power Supply/Charger
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) NetWay5A - 5-Port Switch
- One (1) BR1 - Mounting Bracket

T2SFKTT12SD

12 Door Kit with PTC Relay Outputs

Fully assembled kit includes:

- Trove2 enclosure with TSF2 Altronix/Swiftlane Controls backplane
- Two (2) Tango1B - PoE Driven Power Supply/Chargers
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- One (1) NetWay5A - 5-Port Switch
- One (1) BR1 - Mounting Bracket

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

Installation Guide



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Rev. TSFTK012624

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 PoE driven power supply/chargers and sub-assemblies. These kits also accommodate Swiftlane Controls Door Controllers for up to twelve (12) doors in a single enclosure.

Configuration Chart:

Altronix Model Number	PoE Input	Power Supply Board LiFePO ₄ Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and Sub-Assembly's outputs (A)	Fail-Safe/ Fail-Secure Outputs	ACM4(CB)/ PDS8(CB)/ ACMS8(CB) Board Input Fuse (PTC) Rating	ACM4(CB)/ PDS8(CB)/ ACMS8(CB) Board Output Fuse (PTC) Rating	Current Per ACM4(CB)/ PDS8(CB)/ ACMS8(CB) Output (A)	NetWay5A Switch Input	NetWay5A Switch Outputs
			[DC]								
			12VDC Output Range (V)	24VDC Output Range (V)							
T1SFKT4	up to 90W	10A/32V	10.0-13.2	20.19-26.4	12VDC @ 5A 24VDC @ 3A	—	10A/32V	3A/32V	2.5	—	—
T1SFKT4D							9A	2.5A	2.0		
T2SFKT6S	up to 90W	10A/32V	10.0-13.2	20.19-26.4	12VDC @ 5A 24VDC @ 3A	8	15A/32V	3A/32V	2.5	24VDC	Five (5) data ports
T2SFKT6SD							9A	2.5A	2.0		
T2SFKTT12S	up to 90W	10A/32V	10.0-13.2	20.19-26.4	12VDC @ 5A 24VDC @ 3A	16	15A/32V	3A/32V	2.5	24VDC	Five (5) data ports
T2SFKTT12SD							9A	2.5A	2.0		

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.

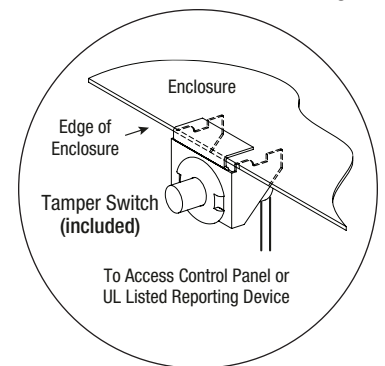
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper 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 3-6*.
5. Connect IEEE802.3bt PSE to RJ45 Jack marked PoE+ Data Input (*Fig. 1b, pg. 3*).

Note: CAT-6 or higher cable is recommended for optimum performance.

Refer installation and servicing to qualified service personnel.

6. Measure output voltage before connecting devices. This helps avoiding potential damage.
7. Refer to the *Tango1B Power Supply/Charger Installation Guide* Tango1B, and corresponding Sub-Assembly Installation Guide for ACM4(CB), PDS8(CB) and ACMS8(CB) for further installation instructions.
8. Mount backplane to enclosure with hardware.

Fig. 1



T1SFKT4(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 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

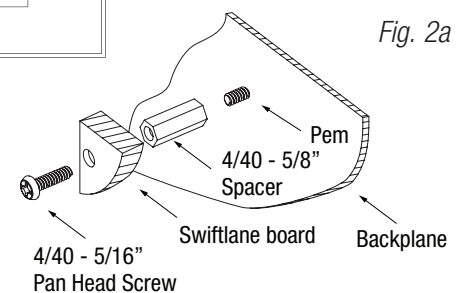
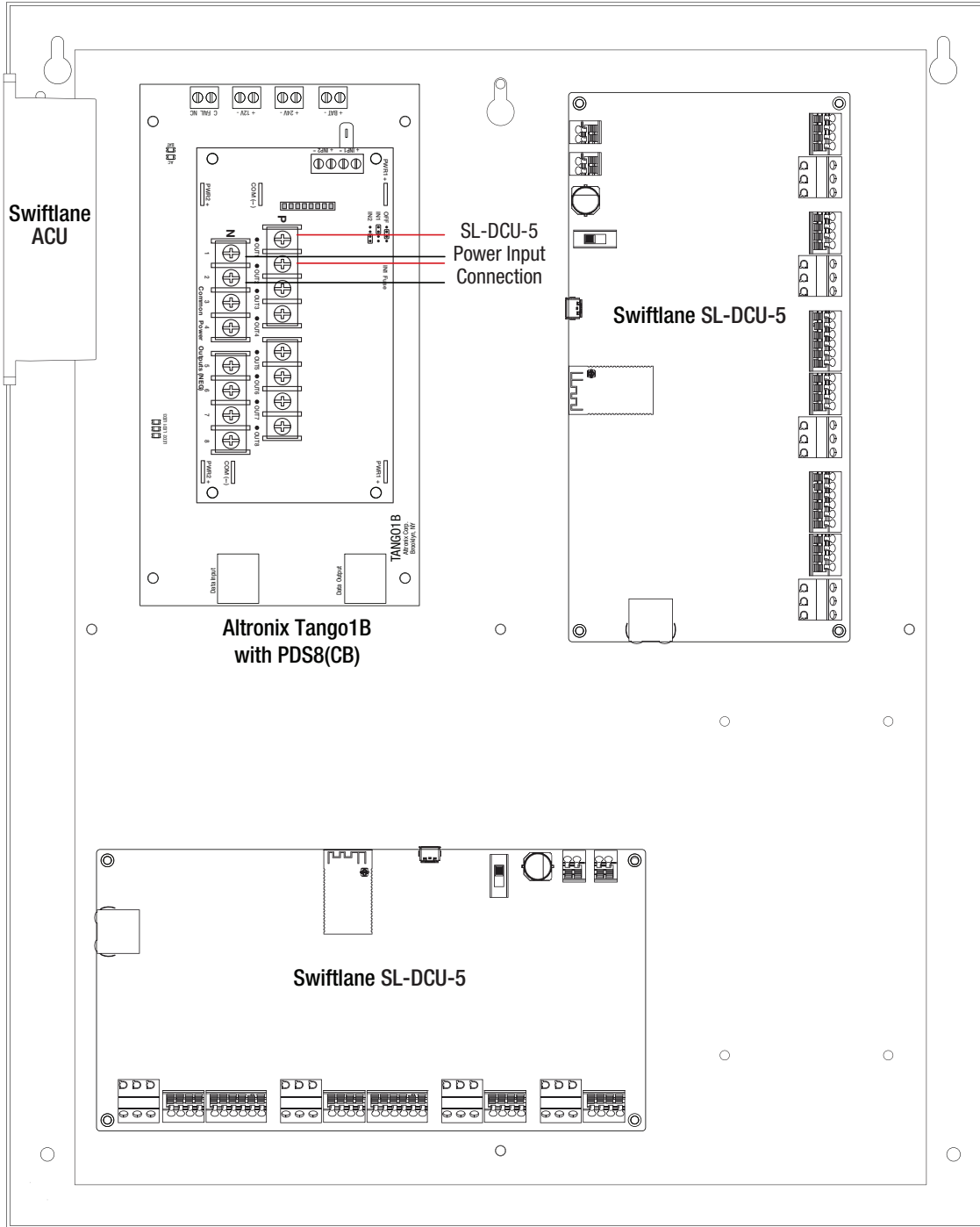


Fig. 2a

T2SFKT6S(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 Swiftlane 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

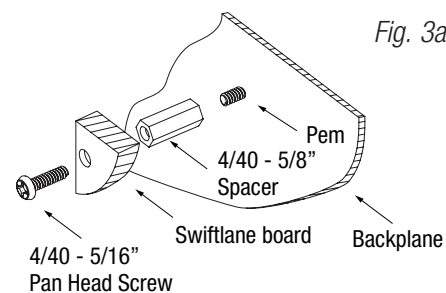
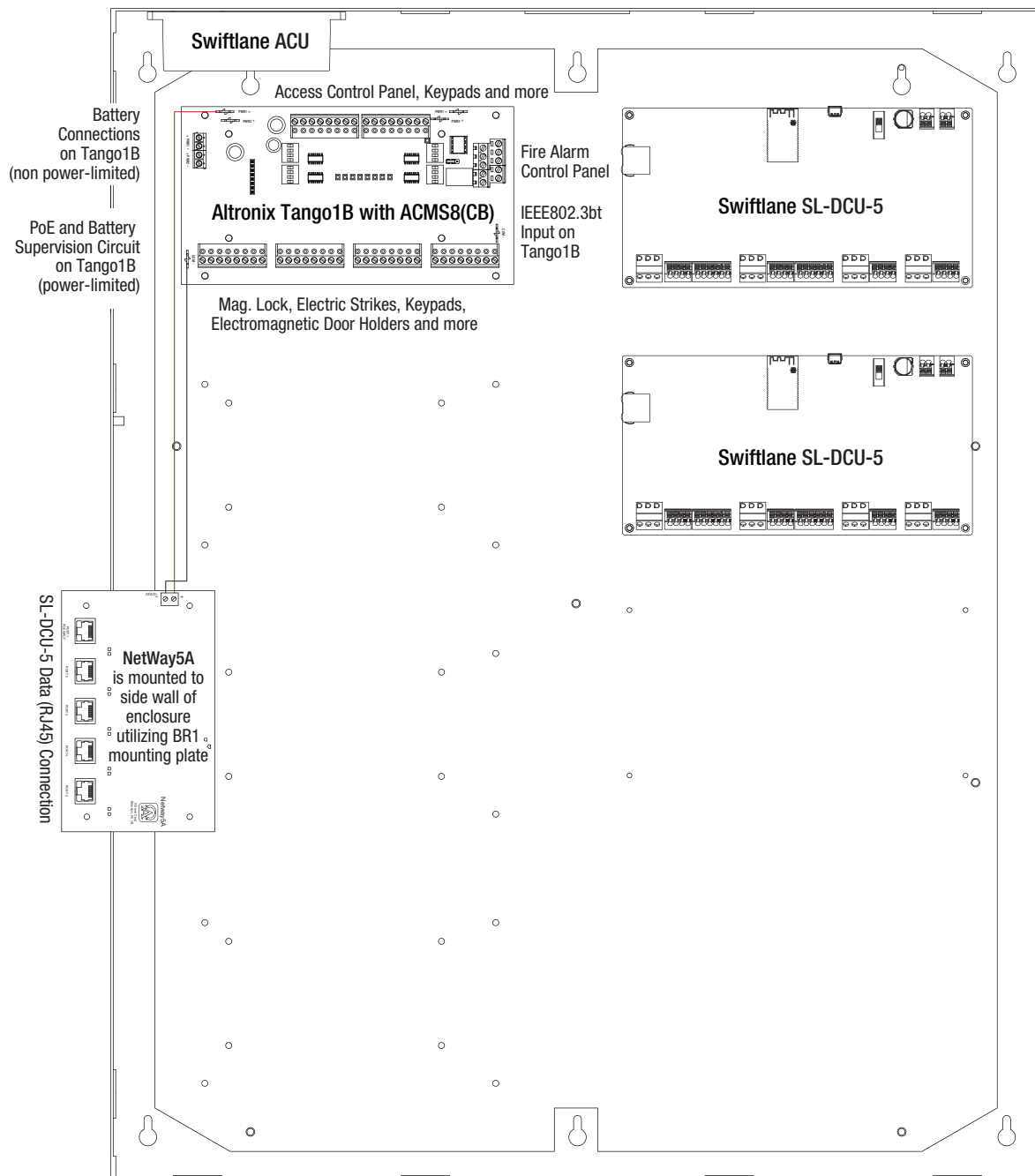


Fig. 3a

T2SFKTT12S(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 Swiftlane 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

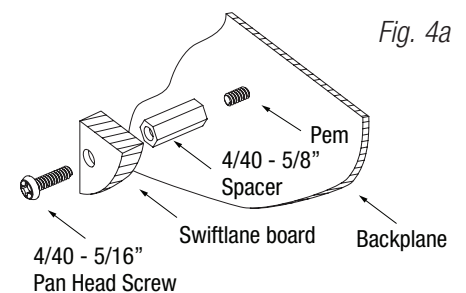
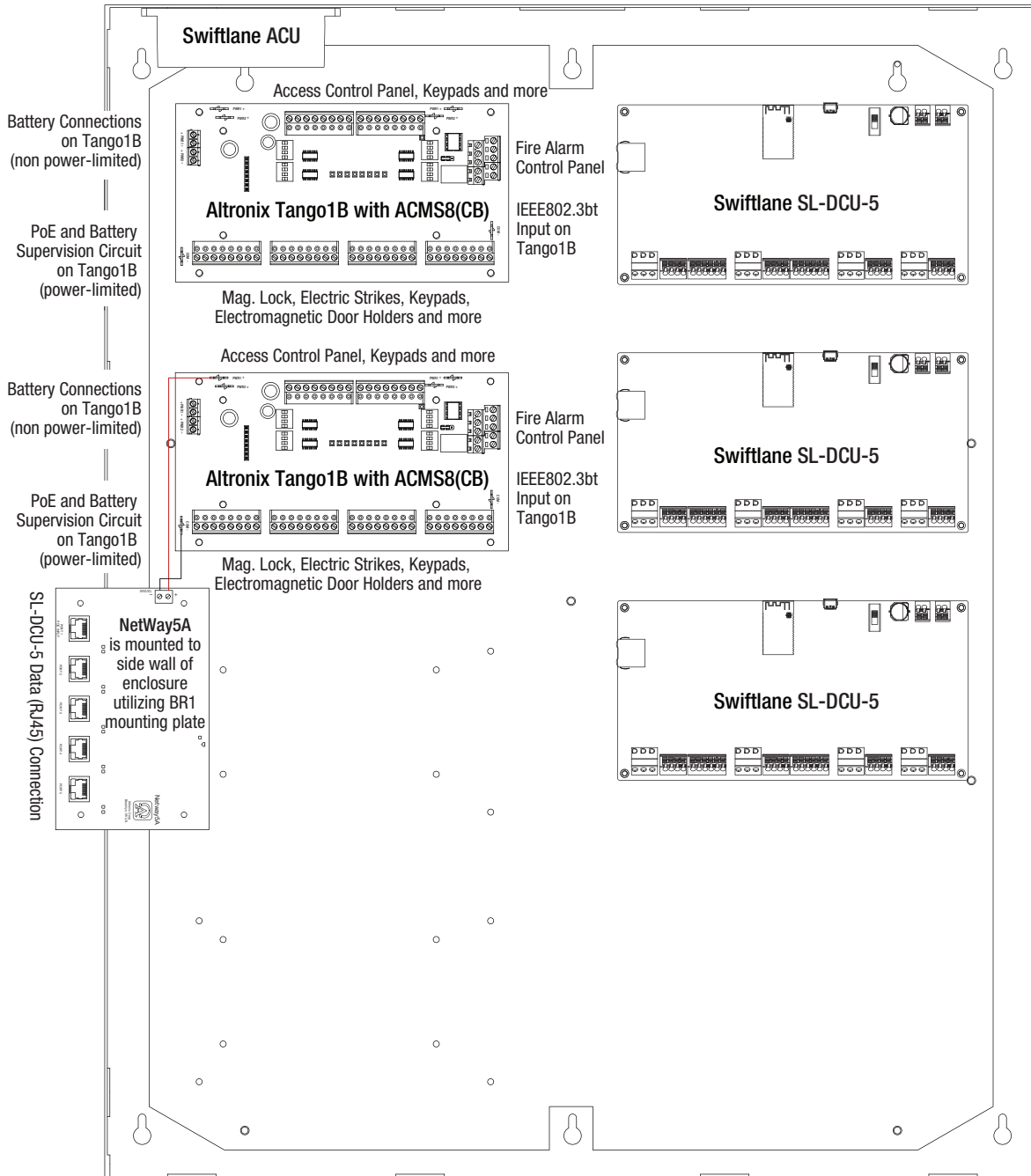
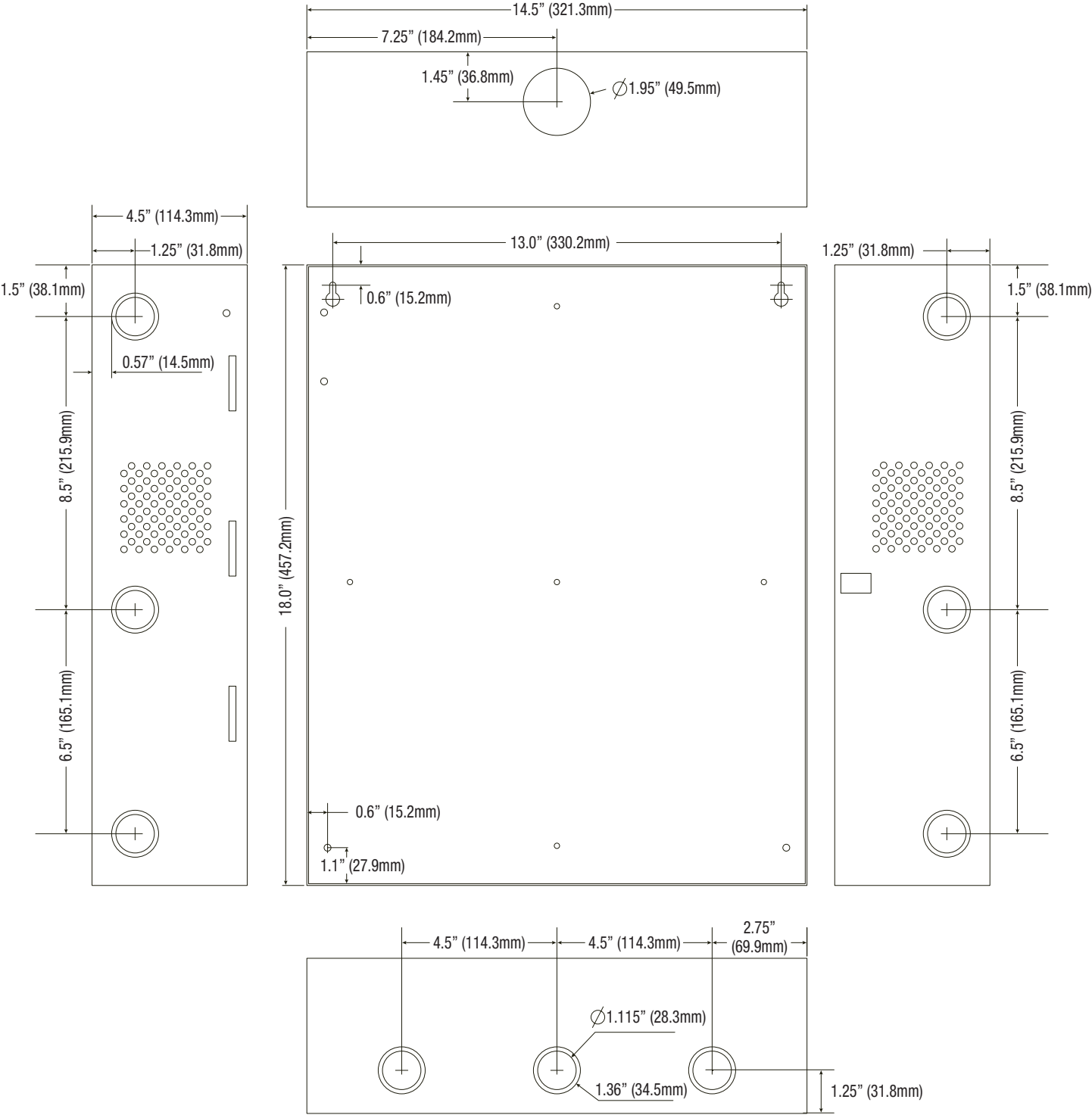


Fig. 4a

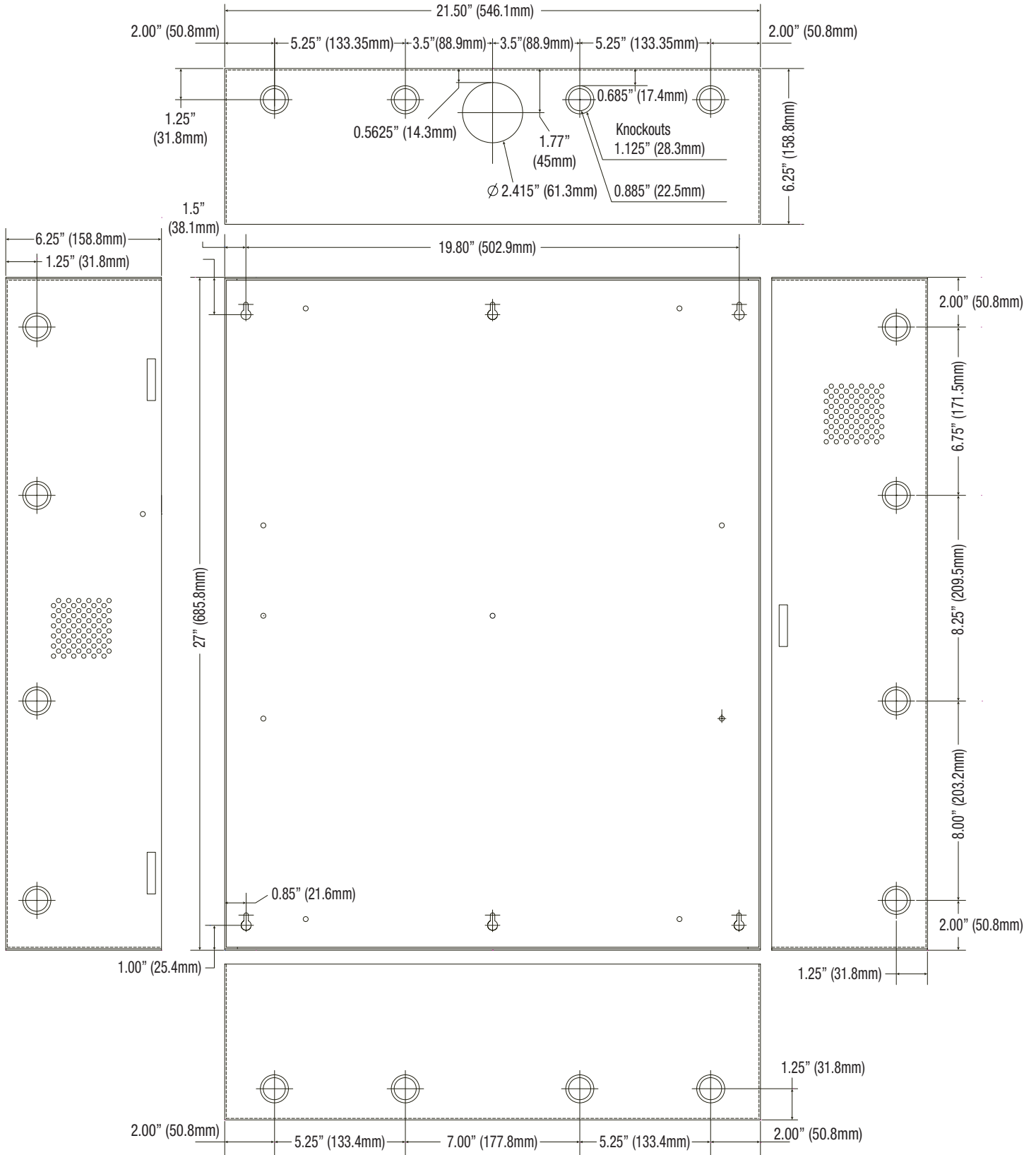
Notes:

T1SFKT4(D) Enclosure Dimensions (H x W x D approximate):
18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



T2SFKT6S(D), T2SFKTT12S(D) 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.

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IITSF Tango Kits A26X