

Access & Power Integration

Altronix/Mercury Kits

Models Include:

T1MKT4SAQ

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) LINQ8ACM - Dual Input Networked Fused Access Power Controller

T1MKT4S

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T1MT4K1

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) NetWay1BT- Midspan Injector (boxed separately)

T2MKTT8S

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- Two (2) Tango1B - PoE Driven Power Supplies with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2MTT8K1

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- Two (2) Tango1B - PoE Driven Power Supplies with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- Two (2) NetWay1BT- Midspan Injectors (boxed separately)

T1MKT4SADQ

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) LINQ8ACMCB - Dual Input Networked PTC Access Power Controller

T1MKT4SD

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T1MT4K1D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TM1 Altronix/Mercury backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) NetWay1BT- Midspan Injector (boxed separately)

T2MKTT8SD

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- Two (2) Tango1B - PoE Driven Power Supplies with Lithium Battery Backup
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T2MTT8K1D

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- Two (2) Tango1B - PoE Driven Power Supplies with Lithium Battery Backup
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- Two (2) NetWay1BT- Midspan Injectors (boxed separately)

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. TMKT_100124

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix Trove Mercury kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/charger(s) and sub-assemblies. These kits also accommodate various combinations of Mercury boards for up to eight (8) doors in a single enclosure.

Configuration Chart:

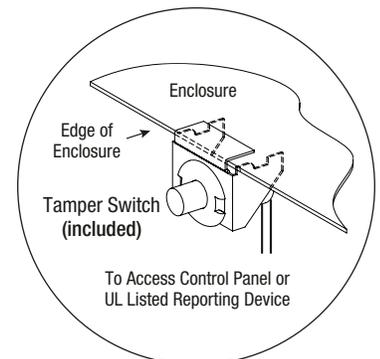
Altronix Model Number	Networkable	PoE Injector Included	Input	Power Supply Board Battery Fuse Rating	Maximum Supply Current (when using 802.3bt 90W) for ACMS8(CB) or LINQ8ACM(CB) Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure Outputs	Current Per ACMS8(CB) or LINQ8ACM(CB) Output (A)	ACMS8(CB) or LINQ8ACM(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) or LINQ8ACM(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
T1MKT4SAQ	✓	–	PoE 802.3bt up to 90W or 802.3at up to 30W or 802.3af up to 15W	10A/ 32V	12VDC: up to 5A, 24VDC: up to 3A	4	2.5	15A/32V	3A/32V	–	–
T1MKT4SADQ	✓	–				4	2.0	9A	2.5A	–	–
T1MKT4S	–	–				4	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T1MT4K1	–	✓				4	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T1MKT4SD	–	–				4	2.0	9A	2.5A	9A	2.5A
T1MT4K1D	–	✓				4	2.0	9A	2.5A	9A	2.5A
T2MKT8S	–	–				8	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T2MT8K1	–	✓				8	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T2MKT8SD	–	–				8	2.0	9A	2.5A	9A	2.5A
T2MT8K1D	–	✓				8	2.0	9A	2.5A	9A	2.5A

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 two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws; level and secure. Mark the position of the lower two/three holes. Remove the enclosure. Drill the lower holes and install the two/three fasteners. Place the enclosure's upper keyholes over the two/three upper screws. Install the two/three lower screws and make sure to tighten all screws.
3. Mount included UL Listed tamper switch (Altronix Model T112 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 IEEE802.3bt PSE to RJ45 Jack marked PoE+ Data Input on Tango1B Board.
Note: CAT-6 or higher cable is recommended for optimum performance.
Refer installation and servicing to qualified service personnel.
5. Measure output voltage before connecting devices. This helps avoiding potential damage.
6. Position Mercury access controller modules over corresponding spacers and depress onto snap on spacers, *Fig. 2-4, pg. 3-5*.
7. Refer to the *Tango1B Power Supply/Charger Installation Guide* for Tango1B, and corresponding Sub-Assembly Installation Guide for LINQ8ACM(CB), ACMS8(CB) and PDS8(CB) for further installation instructions.
8. Mount backplane to enclosure with hardware.

Fig. 1



Hardware:

 Snap On Spacer |
  5/16" Pan Head Screw |
  Lock Nut

T1MKT4SA(D)Q: Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (Fig. 2, pg. 3).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, LP1502, MR52, MR16IN, MR16OUT	(A)
EP1501, LP1501, MR51e, MR62e	(B)
MR50	(C)
EP2500, LP2500, MUX8	(D)

Fig. 2

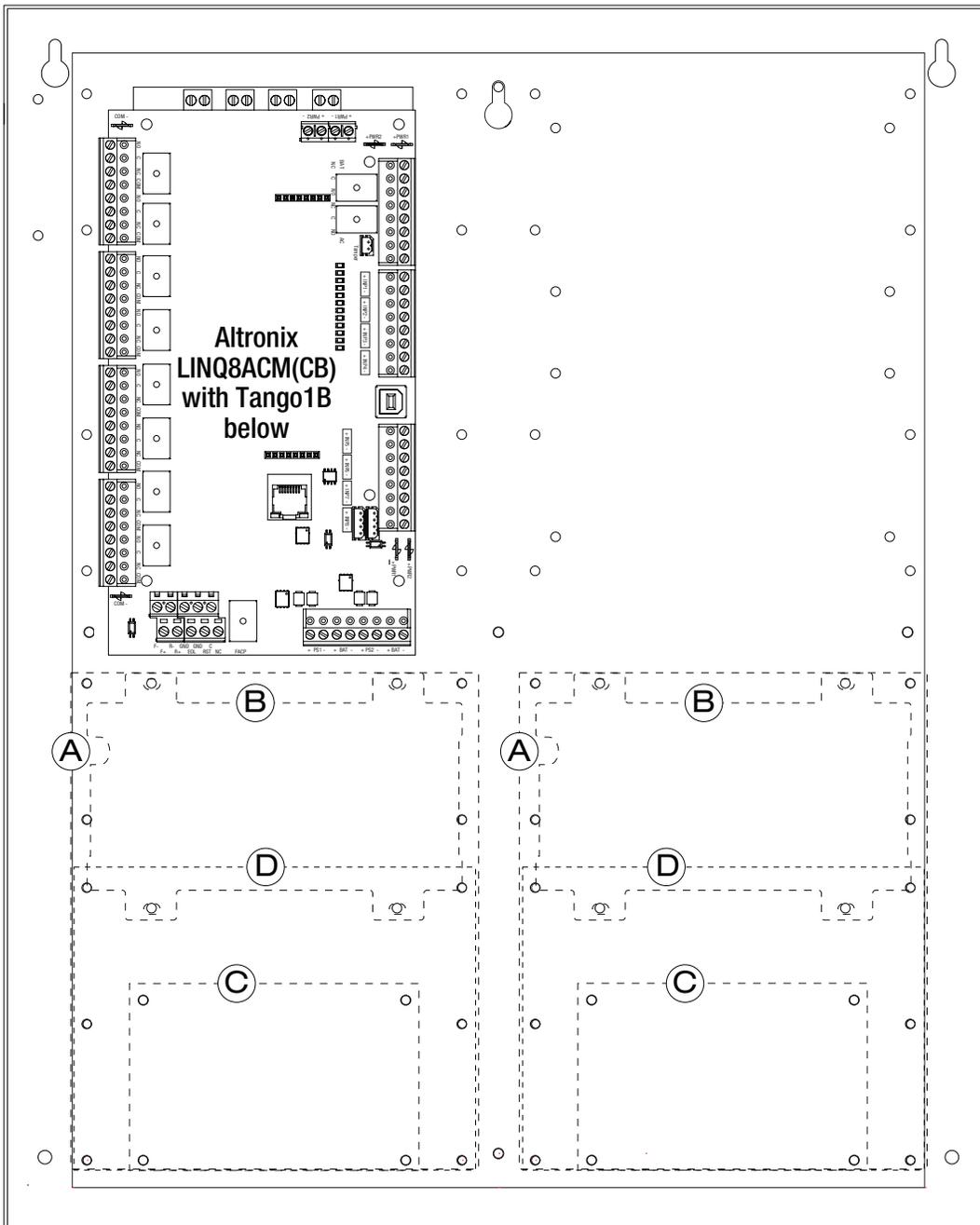
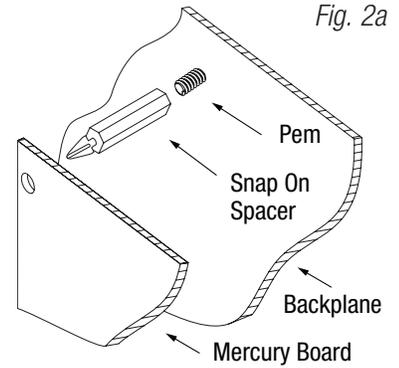


Fig. 2a



T1MKT4S(D) and T1MT4K1(D): Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (Fig. 3, pg. 4).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3a, pg. 4).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, LP1502, MR52, MR16IN, MR16OUT	(A)
EP1501, LP1501, MR51e, MR62e	(B)
MR50	(C)
EP2500, LP2500, MUX8	(D)

Fig. 3

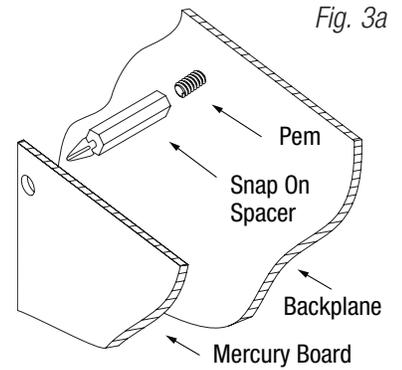
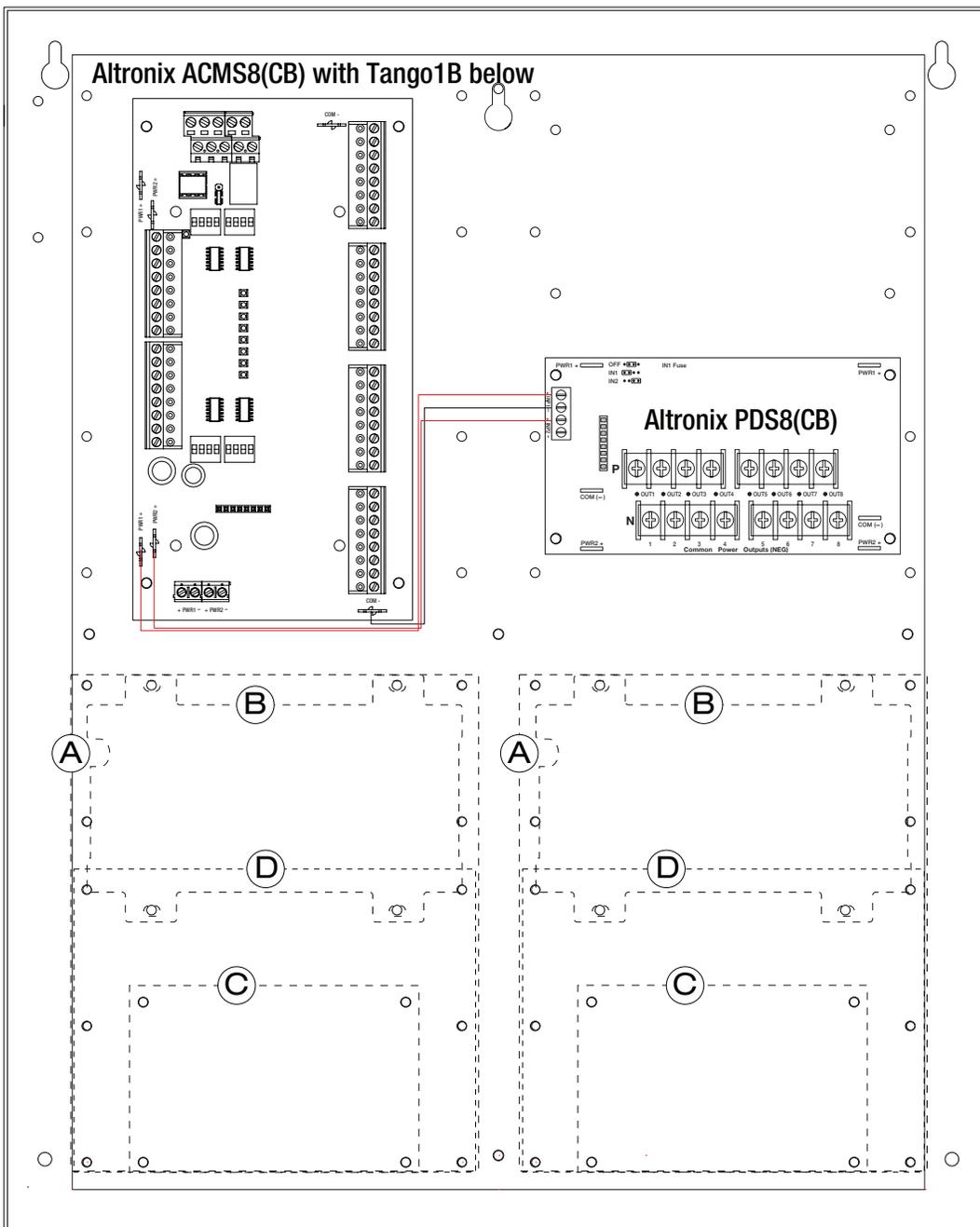


Fig. 3a

T2MKT8S(D) and T2MTT8K1(D) Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (Fig. 4, pg. 5).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 4a, pg. 5).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
EP1501, MR51e	(C)
MR50	(D)

Fig. 4

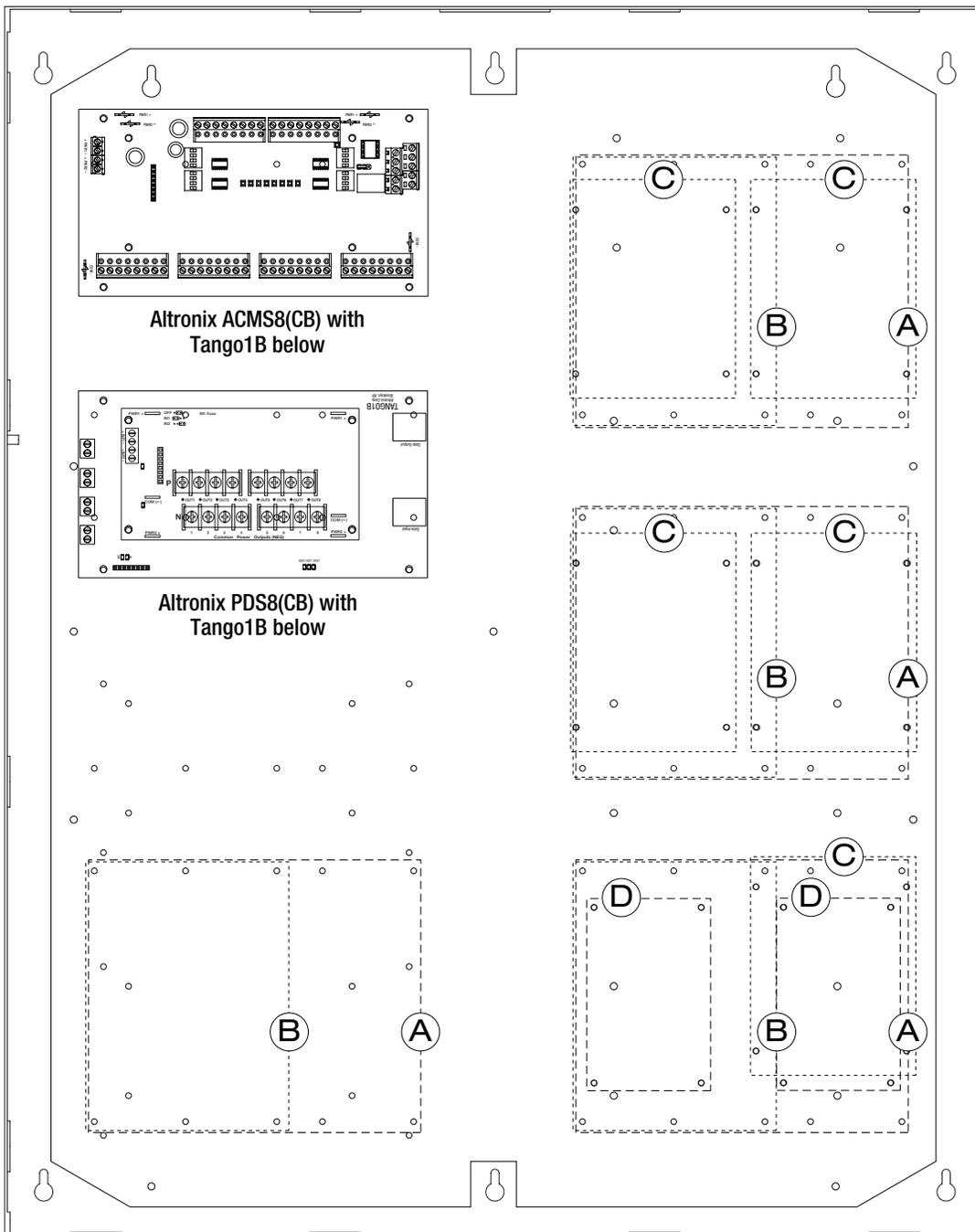
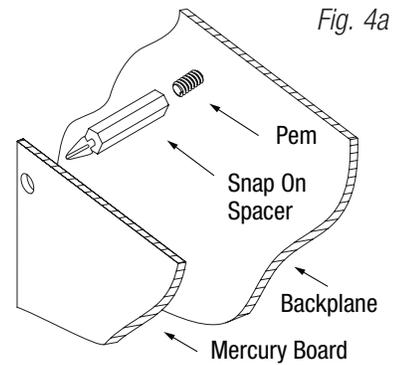


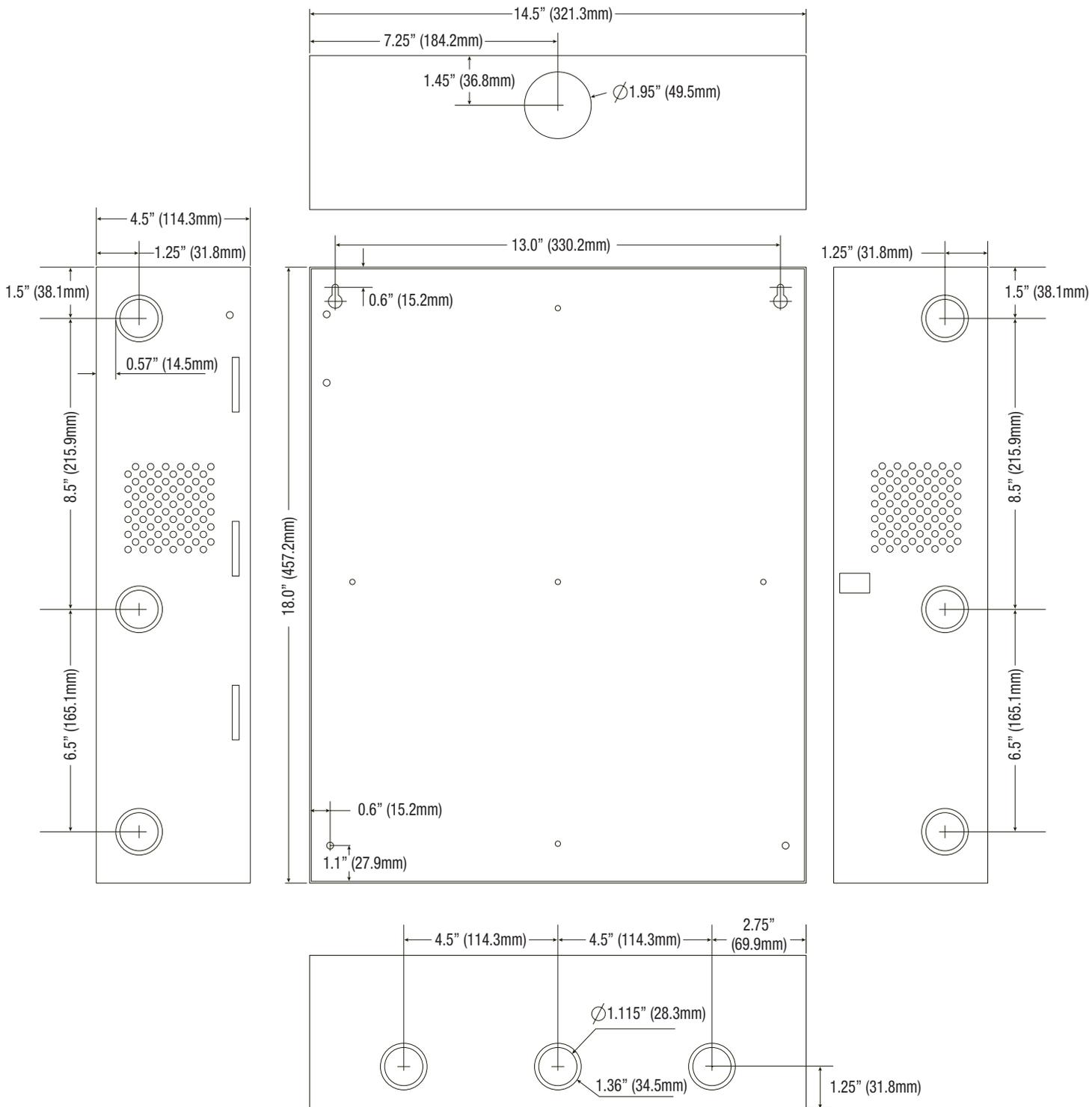
Fig. 4a



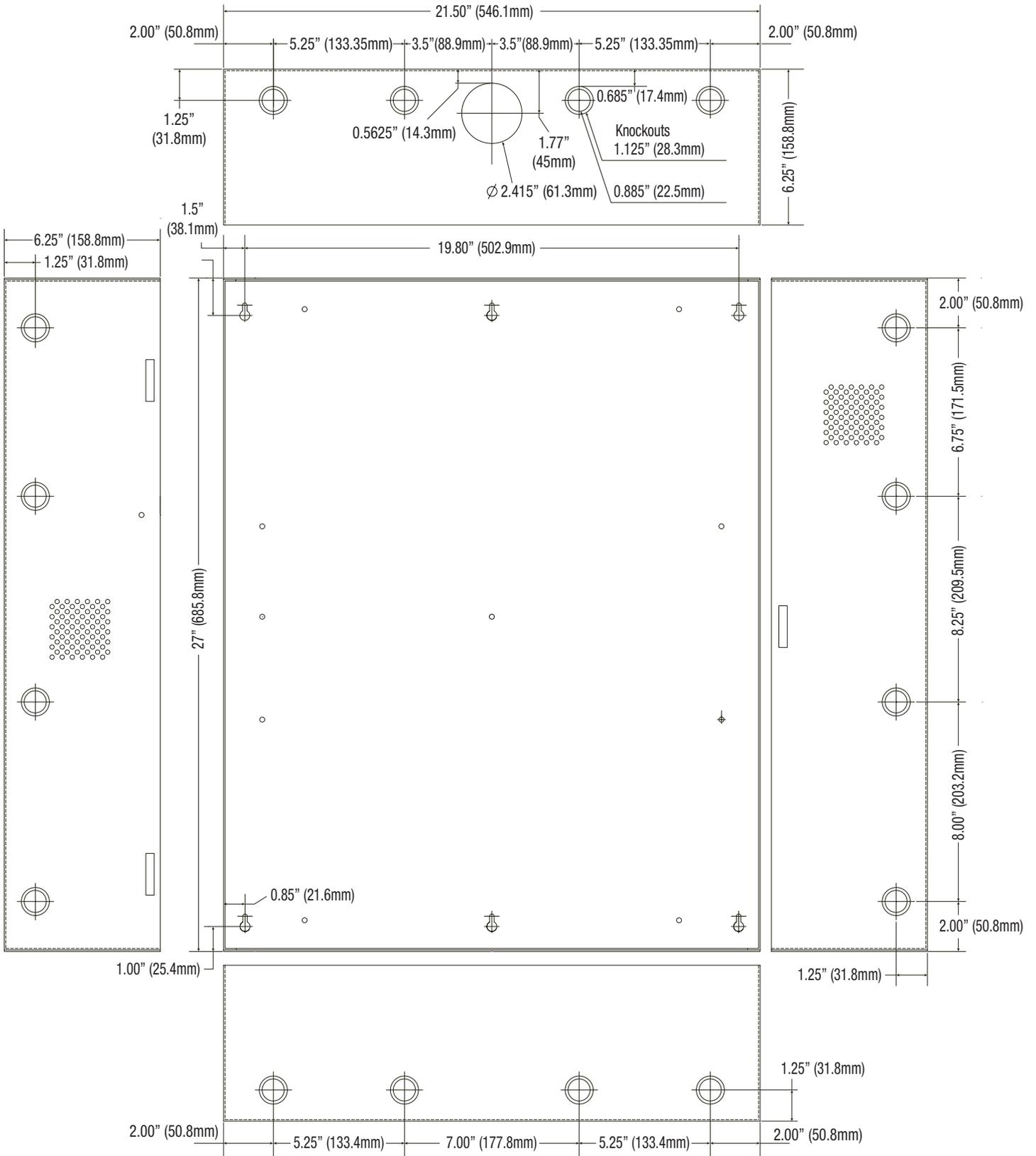
Notes:

Trove1 Enclosure Dimensions (H x W x D approximate):

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



Trove2 Enclosure Dimensions (H x W x D approximate):
 27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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 IITroveM Tango Kits

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