brivo®

Access & Power Integration

Altronix/Brivo Kits

Models Include:

T1BVT4

4 Door Kit with Fused Outputs

Fully assembled kit includes:
- Trove1 enclosure with TBV1 Altronix/Brivo backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller

T1BVT4D

4 Door Kit with PTC Outputs

Fully assembled kit includes:
- Trove1 enclosure with TBV1 Altronix/Brivo backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8CB - Dual Input PTC Access Power Controller

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

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix/Brivo Trove kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of Brivo boards for up to four (4) doors in a single enclosure.
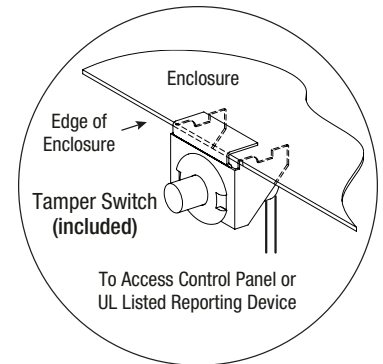
Configuration Chart:

Altronix Model Number	Input	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main Outputs on Power Supply board and ACM4 Access Power Controller's outputs	Nominal Output Voltage Range (VDC)	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	ACMS8 Board Input Fuse Rating	ACMS8 Board Output Fuse Rating
T1BVT4	PoE up to 90W	10A/ 32V	12VDC @ 5A 24VDC @ 3A	20.17- 26.4	8	15A/32V	3A/32V
T1BVT4D						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 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 fasteners. Place the enclosure's upper keyholes over the upper screws. Install the lower screws and make sure to tighten all screws.
3. Mount included UL Listed tamper switch(es) (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 Brivo boards to backplane, *refer to page 3.*
5. Refer to the *Tango1B Power Supply/Charger Installation Guide* for Tango1B and corresponding *Sub-Assembly Installation Guide for* ACMS8(CB) for further installation instructions.

Fig. 1

Enclosure
Edge of Enclosure
Tamper Switch **(included)**
To Access Control Panel or UL Listed Reporting Device

T1BVT4 and T1BVT4D: Configuration of Brivo Controls Boards:

1. Align the Brivo 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 Brivo board *(Fig. 2, 2a, pg. 3)*.
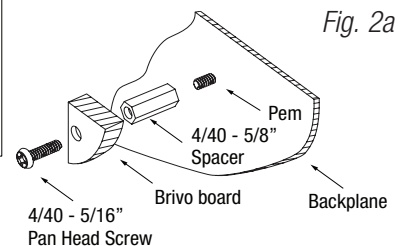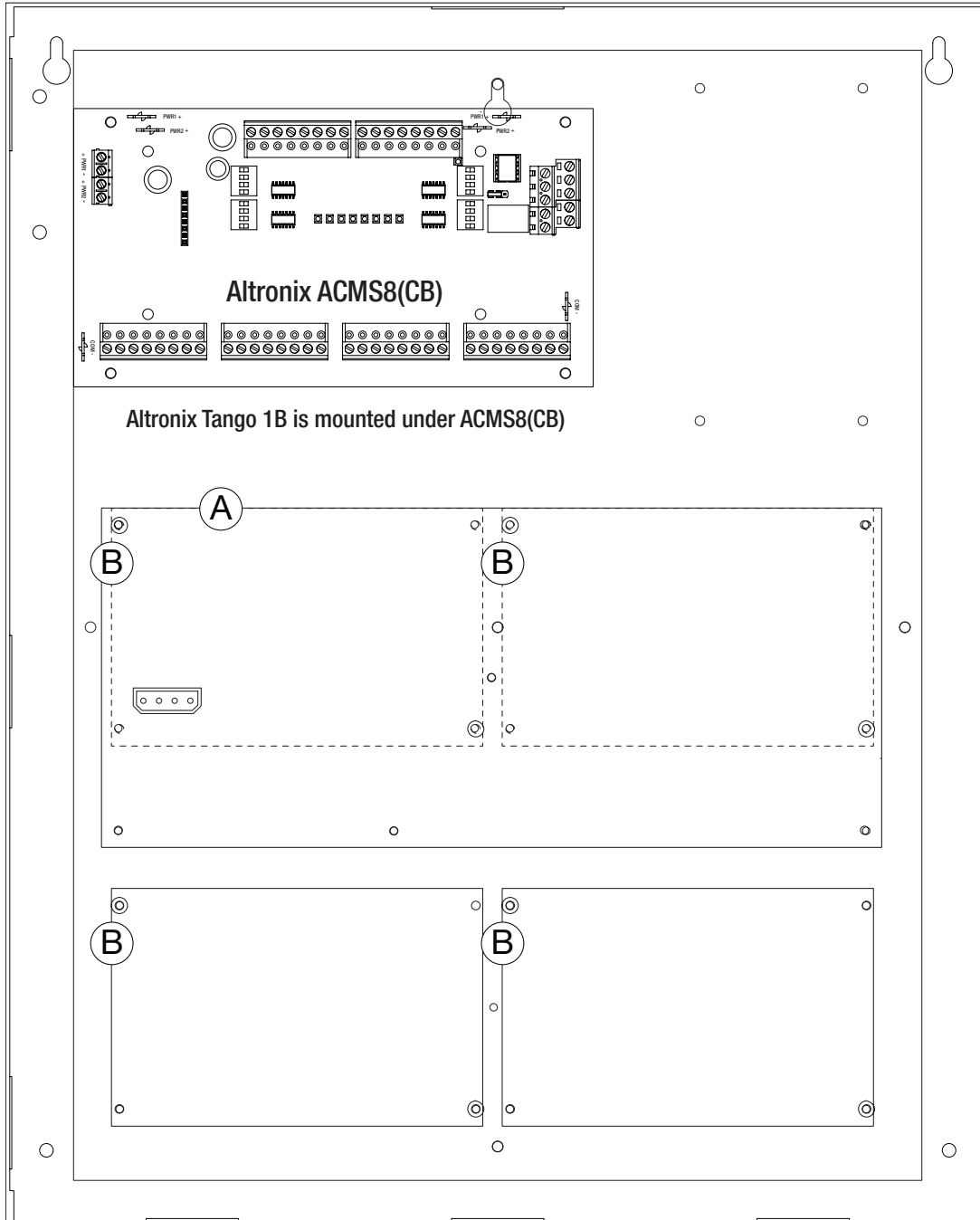   **Note:** Brivo board must be properly grounded.
   Please use provided metal spacers for the lower right mounting holes *(Fig. 2, pg. 3)*.
3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws *(Fig. 2a, pg. 3)*.
4. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

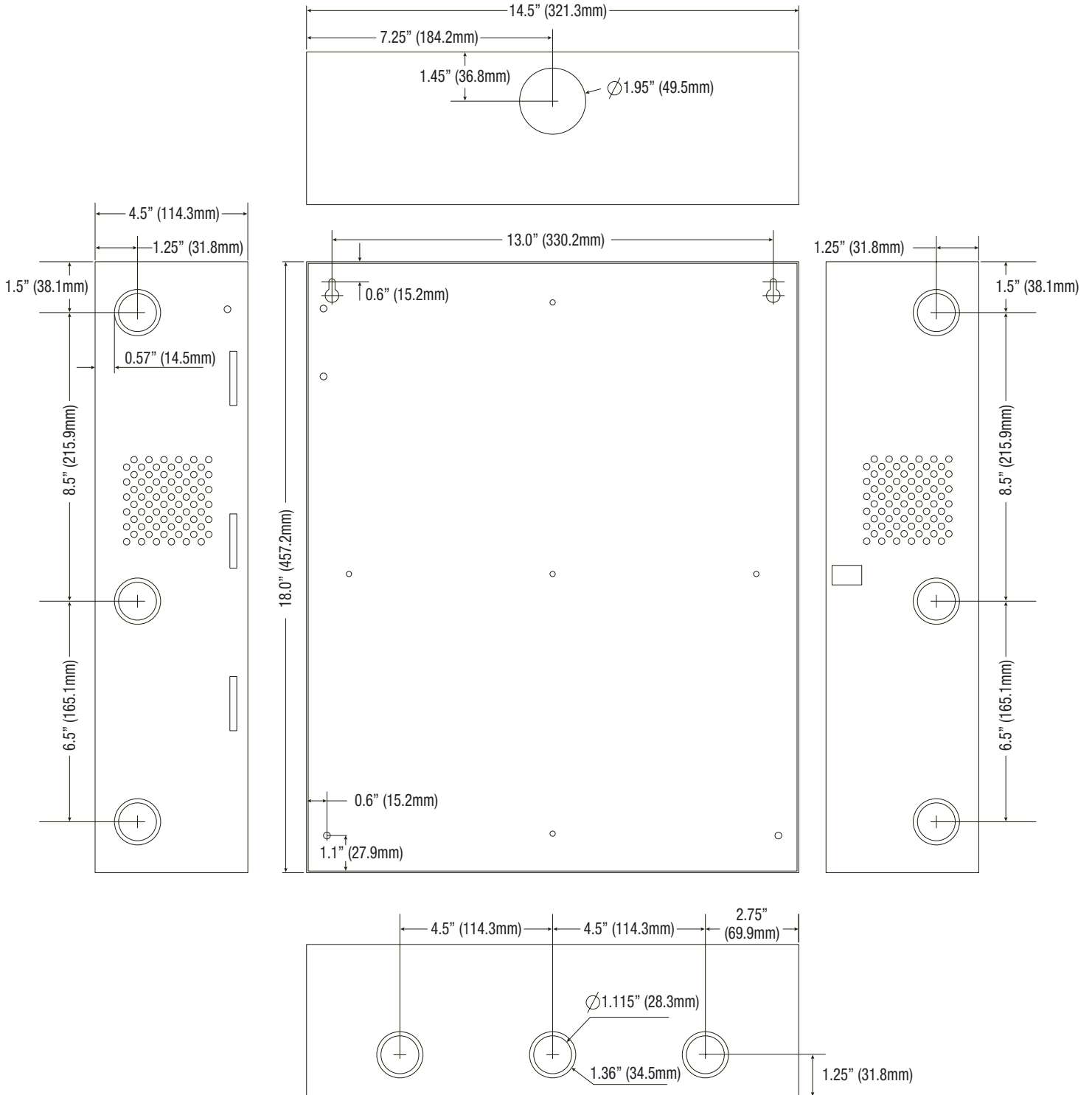## Access Controller Position Chart for the Following Models:

Brivo Access Controller	Pem Mounting
ACS6000-MBE	Ⓐ
ACS6100-DB, ACS6100-IO	Ⓑ

Fig. 2 - **T1BVT4 Configurations**

Altronix ACMS8(CB)

Altronix Tango 1B is mounted under ACMS8(CB)

Fig. 2a

Pem
4/40 - 5/8"
Spacer
Brivo board
Backplane
4/40 - 5/16"
Pan Head Screw

T1BVT4 and T1BVT4D (Trove1) Enclosure Dimensions (H x W x D approximate):

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

14.5" (321.3mm)

7.25" (184.2mm)

1.45" (36.8mm)

∅1.95" (49.5mm)

4.5" (114.3mm)

1.25" (31.8mm)

1.5" (38.1mm)

0.57" (14.5mm)

8.5" (215.9mm)

6.5" (165.1mm)

13.0" (330.2mm)

0.6" (15.2mm)

18.0" (457.2mm)

0.6" (15.2mm)

1.1" (27.9mm)

1.25" (31.8mm)

1.5" (38.1mm)

8.5" (215.9mm)

6.5" (165.1mm)

4.5" (114.3mm)

4.5" (114.3mm)

2.75" (69.9mm)

∅1.115" (28.3mm)

1.36" (34.5mm)

1.25" (31.8mm)