TROVE™
Access & Power Integration

Altronix/CDVI Kits

Models Include:

T1CVKT6S
6 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove1 enclosure with TC1 Altronix/CDVI backplane
- One (1) Tango1B - PoE Driven Power Supply with Lithium Battery Backup
- One (1) ACMS8 - Dual Input Fused Access Power Controller

T1CVKT6SD
6 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove1 enclosure with TC1 Altronix/CDVI 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

Altronix®
More than just power.™

Rev. TCVTK_042922

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove CDVI kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/charger and sub-assemblies. These kits also accommodate various combinations of CDVI Atrium A22K/A22NB/ADH10 boards for up to six (6) doors in a single enclosure.
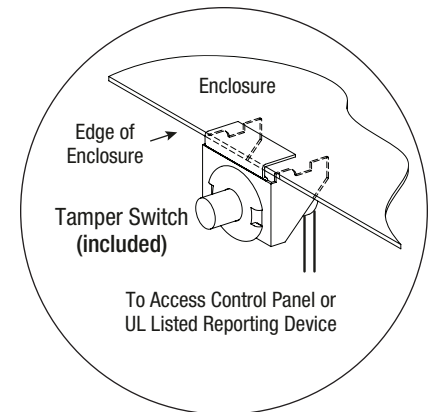
Configuration Chart:

Altronix Model Number	Input	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main Output on Power Supply board and ACMS8(CB) Access Power Controllers' outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	ACMS8 Board Input Fuse Rating	ACMS8 Board Output Fuse Rating	ACMS8CB Board Input PTC Rating	ACMS8CB Board Output PTC Rating
T1CVKT6S	PoE up to 90W	N/A	10A/ 32V	12VDC @ 5A 24VDC @ 3A	8	15A/32V	3A/32V	–	–
T1CVKT6SD						–	–	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 three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the two/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 CDVI boards to backplane, refer to *page 3*.
5. Refer to the *Tango1B Power Supply/Charger Installation Guide* for Tango1B and ACMS8(CB) *Sub-Assembly Installation Guides* 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

T1CVKT6S(D): Configuration of CDVI A22K/A22NB/ADH10 Boards

1. Fasten spacers (supplied with A22K/A22NB/ADH10) to CDVI A22K/A22NB/ADH10 board *(Fig. 2b, pg. 3)*.
2. Mount CDVI A22K/A22NB/ADH10 boards into the correct positions *(Fig. 2, pg. 3)* by postioning spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane *(Fig. 2a, 2b, pg. 3)*.
   Note: CDVI A22K/A22NB/ADH10 boards have one (1) RJ45 jack each.
   Please make sure that they are mounted correctly, as shown in *Fig. 2* below.
3. Fasten backplane to Trove2 enclosure utilizing pan head screws (provided).
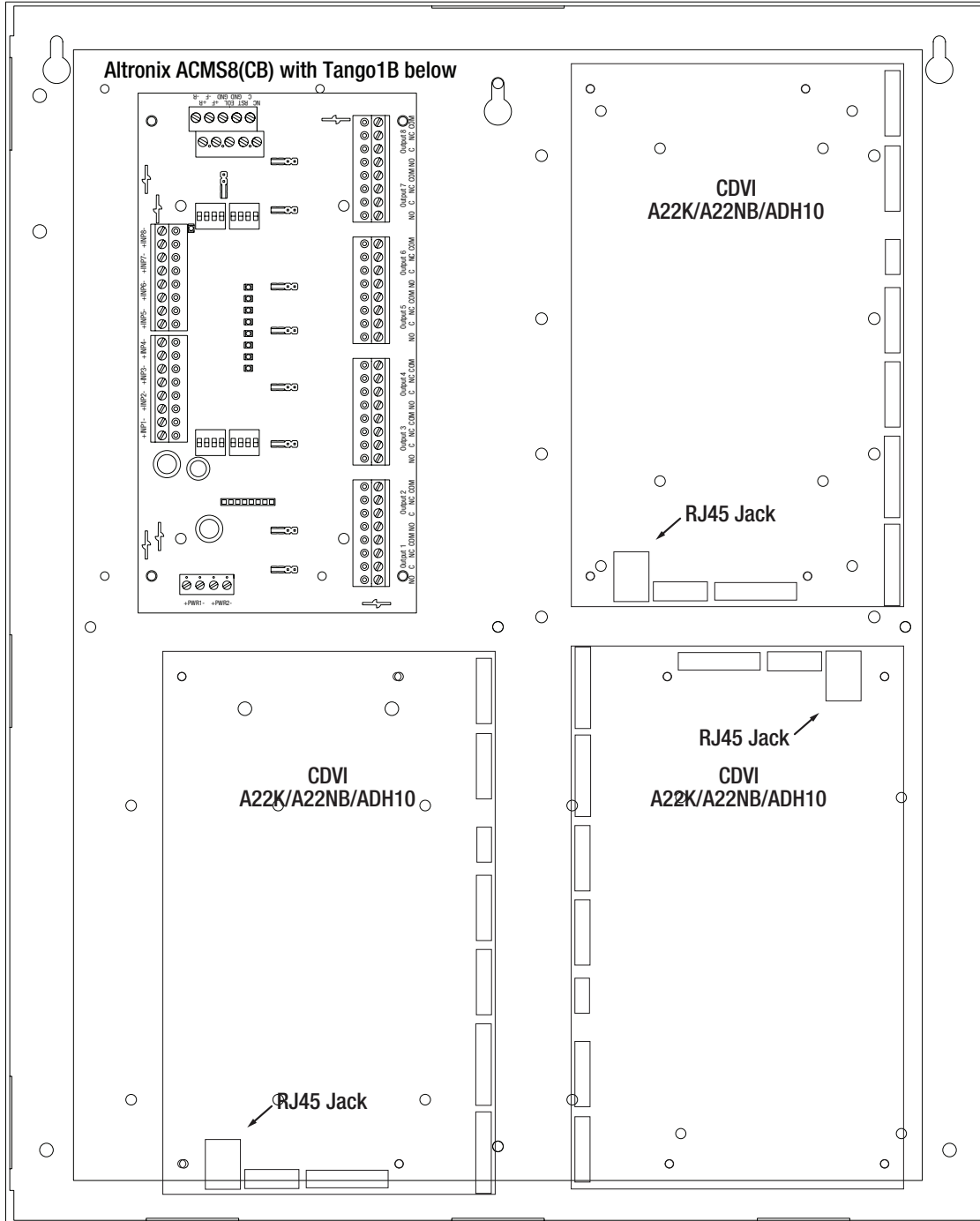
Fig. 2

Altronix ACMS8(CB) with Tango1B below

CDVI A22K/A22NB/ADH10

RJ45 Jack

CDVI A22K/A22NB/ADH10

CDVI A22K/A22NB/ADH10

RJ45 Jack

RJ45 Jack

Fig. 2a

Spacer

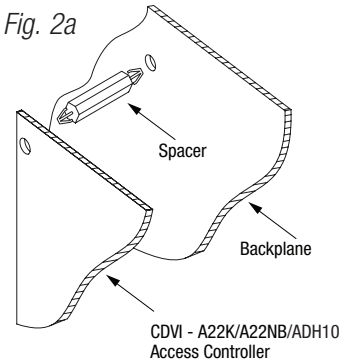Backplane

CDVI - A22K/A22NB/ADH10 Access Controller
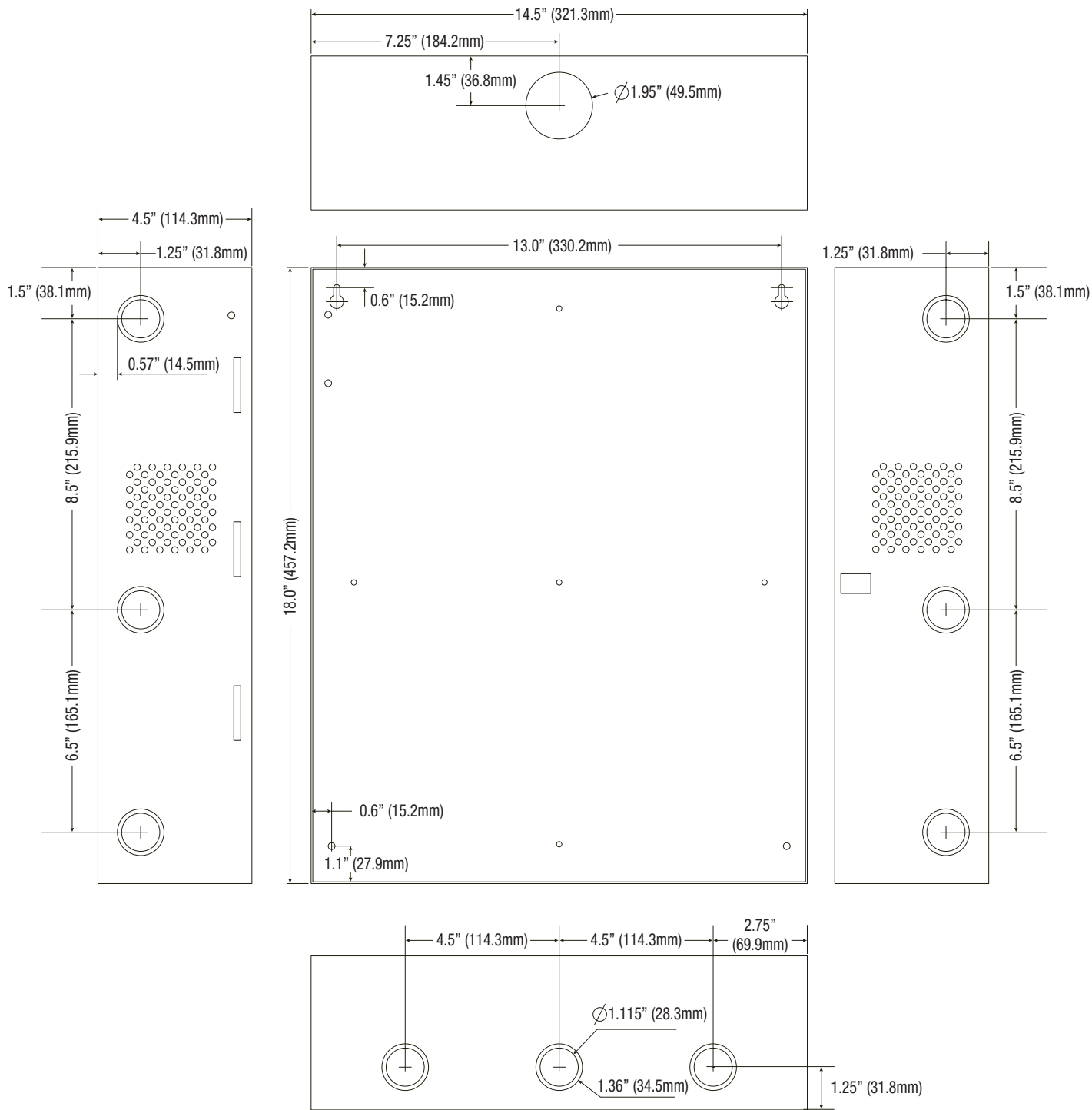
Fig. 2b

Plastic Spacer pre-mounted into CDVI Atrium modules

Insert into TC1/TCV2/TCV3 backplane

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)

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