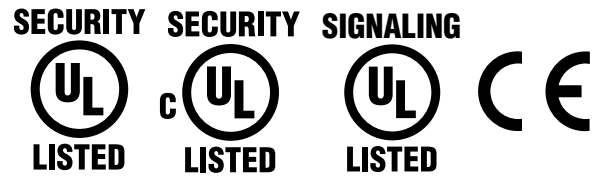# TROVE™

Access & Power Integration

Trove1PD1

- Trove1 enclosure with Altronix/PDK backplane (TPD1)

TPD1

- Altronix/PDK backplane only

Installation Guide

Altronix®

More than just power.™

Rev. TPDK031418

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove1PD1 accommodates various combinations of PDK boards with or without Altronix power supplies and sub-assemblies for access systems.

Specifications:

• 16 Gauge backplane and enclosure with ample knockouts for convenient access.

Trove1PD1

Trove1 enclosure with TPD1 Altronix/PDK backplane
• Includes: tamper switch, cam lock, lock nuts, and mounting hardware.
  Enclosure Dimensions (H x W x D): 18" x 14.5" x 4.625" (457mm x 368mm x 118mm).

TPD1

Altronix/PDK backplane only
• Includes mounting hardware.
  Dimensions (H x W x D): 16.625" x 12.5" x 0.3125" (422.3mm x 317.5mm x 7.9mm).

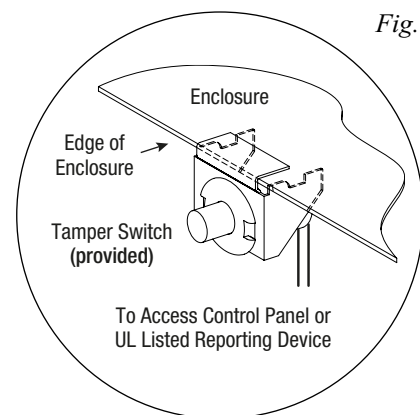### TPD1 accommodates a combination of the following:

• **Altronix Modules:**
   Up to two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
   One (1) ACM8, ACM8CB, ACMS8, ACMS8CB, LINQ8ACM, LINQ8ACMCB or
   one (1) ACM4, ACM4CB, LINQ8PD, LINQ8PDCB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PDS8, PDS8CB, VR6
• **PDK Modules:**
   Up to three (3) 8DEE modules.

Agency Listings:

• UL 294 - 6th edition: Line Security I, Destructive Attack I, Endurance IV, Stand-by Power II*.
  *Stand-by Power Level I if no battery is supplied.
• This Class B digital apparatus complies with Canadian ICES-003.
  Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.
• CE European Conformity.

Installation Instructions for Trove1:

1. Remove backplane from enclosure prior to mounting (do not discard hardware).
2. Mark and predrill holes on the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws; level and secure.
   Mark the position of the lower two holes. Remove the enclosure. Drill the lower holes and install the two fasteners. Place the enclosure's upper keyholes over the two upper screws. Install the two 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. 1)*.
   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 Altronix/PDK modules to TPD1 backplane, refer to *page 3.*

Fig. 1

Enclosure

Edge of Enclosure

Tamper Switch **(provided)**

To Access Control Panel or UL Listed Reporting Device

TPD1: Configuration of Altronix Power Supply, Sub-Assemblies and PDK Modules

1. Fasten spacers (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers *(Fig. 2, pg. 3)*.
    Fasten metal spacers in the correct locations to provide proper grounding, see below *(Fig. 2, pg. 3)*.
2. Mount boards to spacers utilizing 5/16" pan head screws (provided) *(Fig. 2a, pg. 3)*.
3. Fasten spacers (provided) to pems that match the hole pattern for PDK 8DEE modules.
    Mount boards to spacers utilizing 5/16" pan head screws (provided) *(Fig. 2, 2a, pg. 3)*.
    Note: PDK 8DEE modules have one (1) RJ45 jack each.
             Please make sure that they are mounted correctly, as shown in *Fig. 2* below.
4. Fasten TPD1 backplane to Trove1 enclosure utilizing pan head screws (provided).
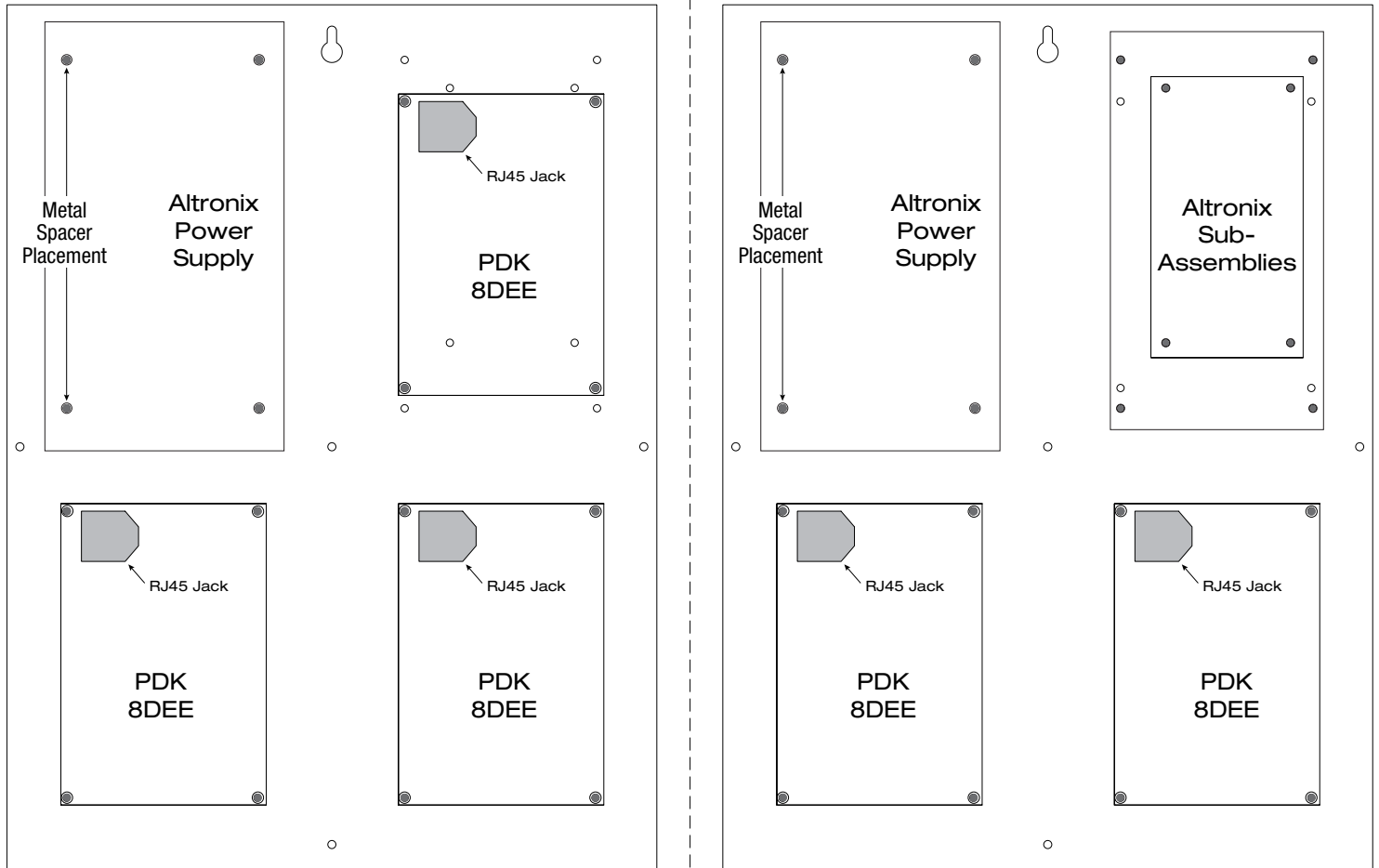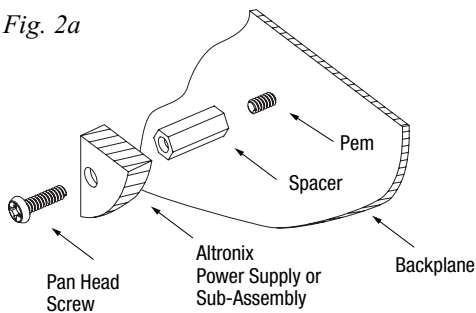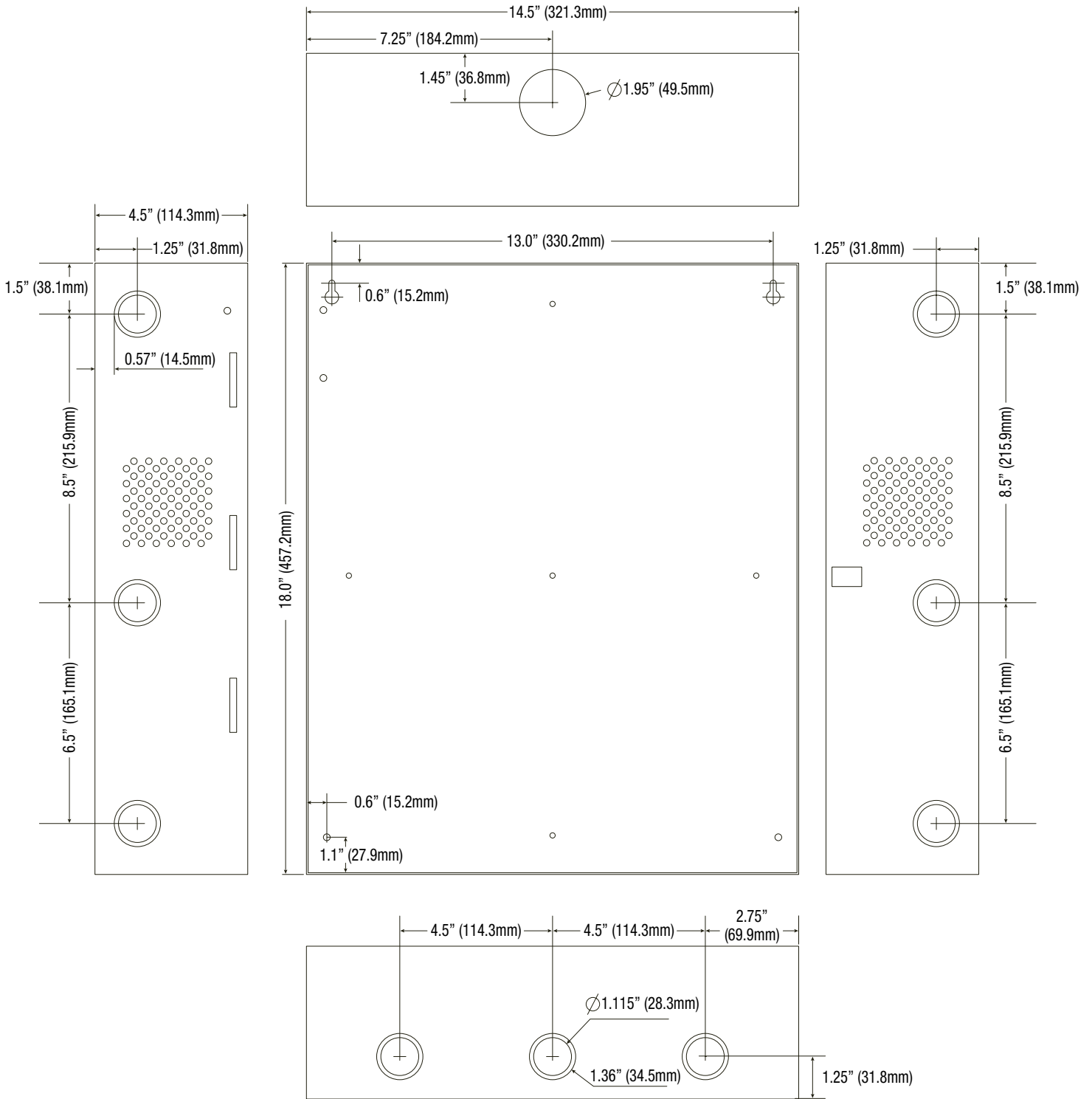
Fig. 2 - Trove1PD1/TPD1 Configurations

Fig. 2a

Trove1PD1 Enclosure Dimensions *(H x W x D)*:
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)