



Altronix TROVE1PH1 Trove1 W Openpath Backplane Instruction Manual

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Altronix TROVE1PH1 Trove1 W Openpath Backplane



Product Information

The Altronix Trove1PH1 and Trove2PH2 are enclosures that can accommodate various combinations of Openpath boards with or without Altronix power supplies and subassemblies for access systems. The Trove1PH1 comes with a TC1 Altronix/Openpath backplane while the Trove2PH2 comes with a TCV2 Altronix/Openpath backplane. They both come with mounting hardware and have different dimensions. The Trove1PH1 has dimensions of 457mm x 368mm x 118mm while the Trove2PH2 has dimensions of 692.2mm x 552.5mm x 165.1mm. The TC1 and TCV2 are Altronix/Openpath backplanes that can accommodate different combinations of power supplies, subassemblies, and Openpath boards.

Product Usage Instructions

1. Remove the backplane from the enclosure prior to mounting but do not discard the hardware.
2. **Trove1PH1 (Pg. 7)**
 1. Mark and predrill holes on the wall to line up with the top two keyholes in the enclosure.
 2. Install two upper fasteners and screws in the wall with the screw heads protruding.
 3. Place the enclosure's upper keyholes over the two upper screws; level and secure.
 4. Mark the position of the lower two holes.
 5. Remove the enclosure.
 6. Drill the lower holes and install the two fasteners.
 7. Place the enclosure's upper keyholes over the two upper screws.
 8. Install the two lower screws and make sure to tighten all screws.
3. **Trove2PH2 (Pg. 8)**
 1. Mark and predrill holes on the wall to line up with the top three keyholes in the enclosure.
 2. Install three upper fasteners and screws in the wall with the screw heads protruding.
 3. Place the enclosure's upper keyholes over the three upper screws; level and secure.

4. Mark the position of the lower three holes.
 5. Remove the enclosure.
 6. Drill the lower holes and install the three fasteners.
 7. Place the enclosure's upper keyholes over the three upper screws.
 8. Install the three lower screws and make sure to tighten all screws.
4. Mount the included UL Listed tamper switch (Altronix Model TS112 or equivalent) in the desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure and secure it with screws.

Overview

Altronix Trove1PH1 and Trove2PH2 accommodate various combinations of Openpath boards with or without Altronix power supplies and subassemblies for access systems.

Specifications

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

Trove1PH1

Trove1 enclosure with TC1 Altronix/Openpath 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).

TC1

Altronix/Openpath 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).

TC1 accommodates a combination of the following:

- **Altronix Modules:**
 - One (1) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB.
 - One (1) ACM8(CB), ACMS(CB), LINQ8ACM(CB).
 - Up to two (2) ACM4(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
- **Openpath Modules:**

One (1) OP-ACC, one (1) OP-16EM and either one (1) OP-EX-4E or one (1) OP-EX-8E.

Trove2PH2

Trove2 enclosure with TCV2 Altronix/Openpath backplane

- **Includes:** tamper switch, cam lock, lock nuts, and mounting hardware.
- **Enclosure Dimensions (H x W x D):** 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).

TCV2

Altronix/Openpath backplane only

- **Includes mounting hardware.**

Dimensions (H x W x D): 25.375" x 19.375" x 0.325" (644.5mm x 482.6mm x 8.3mm).

TCV2 accommodates a combination of the following:

- **Altronix Modules:**

- Two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB.
- Up to two (2) ACM8(CB), ACMS8(CB), LINQ8ACM(CB).
- Up to two (2) ACM4(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.

- **Openpath Modules:**

Two (2) OP-ACC, two (2) OP-16EM and either two (2) OP-EX-4E or two (2) OP-EX-8E.

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 à la norme NMB-003 du Canada.
- CE European Conformity.

Installation Instructions for Trove1 and Trove2

1. Remove backplane from enclosure prior to mounting (do not discard hardware).

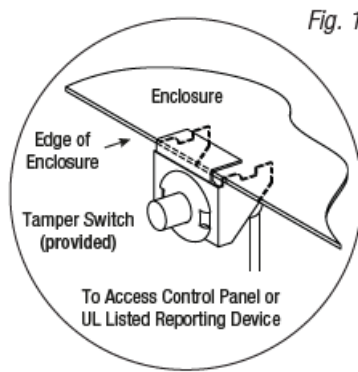
2. **Trove1PH1 (Pg. 7):**

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.

Trove2PH2 (Pg. 8):

Mark and predrill holes on 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 Altronix/Openpath modules to TC1 or TCV2 backplane, refer to pages 3, 4.



Configuration

TC1: Configuration of Altronix Power Supply, Sub-Assemblies and Openpath Modules

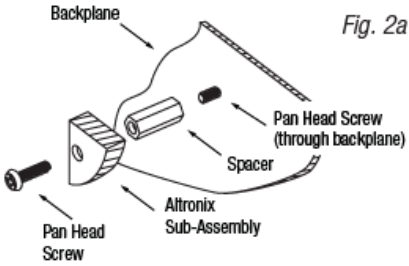
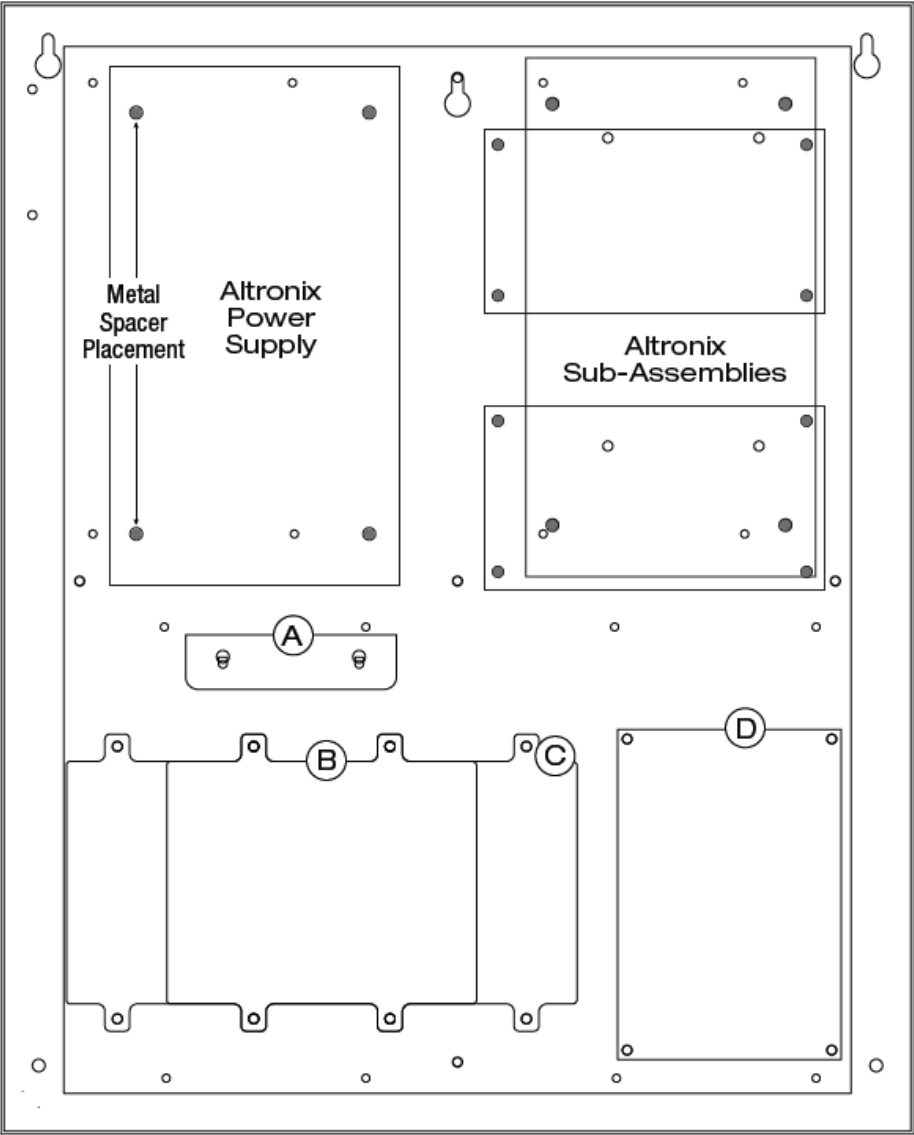
1. Push 5/16" pan head screws (provided) through the wholes in the backplane that match the pattern for Altronix Power Supply/ Charger and/or sub-assemblies from the backside of backplane. Screw spacers onto screws. Fasten metal spacers in the correct locations to provide proper grounding, see below (Fig. 2, pg. 3).
2. Mount boards to spacers utilizing 5/16" pan head screws (provided) (Fig. 2a, pg. 3).
3. Mount appropriate Openpath boards into the correct positions by positioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 2, pg. 3).
4. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

Access Controller Position Chart for the Following Openpath Modules:

Openpath	Mounting Position
OP-ACC	(A)
OP-EX-4E	(B)
OP-EX-8E	(C)
OP-16EM	(D)

Fig. 2 – Trove1PH1/TC1 Configurations

Fig. 2 - Trove1PH1/TC1 Configurations



TCV2: Configuration of Altronix Power Supply, Sub-Assemblies and Openpath Modules

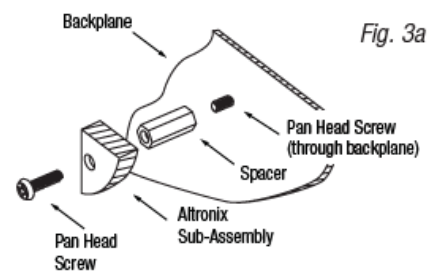
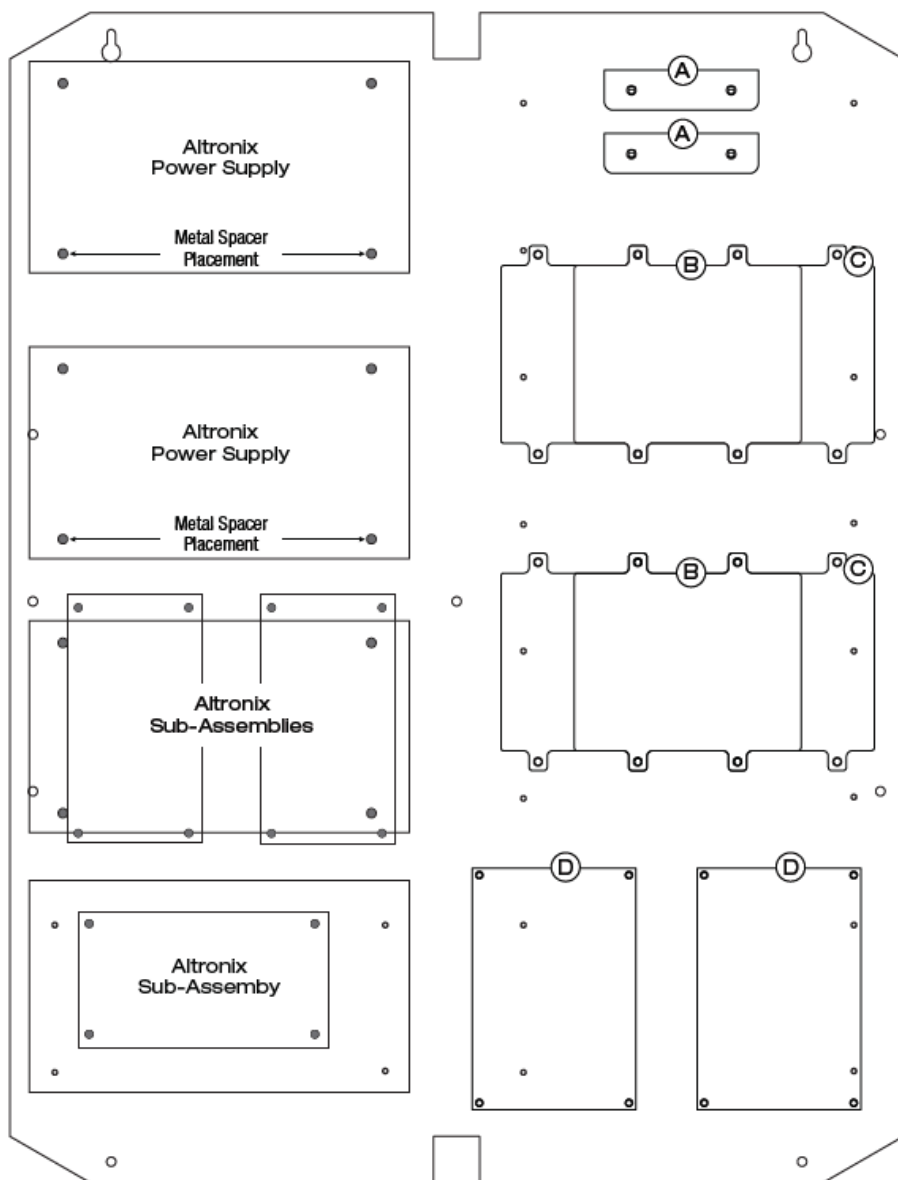
- 1. Push 5/16" pan head screws (provided) through the wholes in the backplane that match the pattern for Altronix Power Supply/ Charger(s) and/or sub-assemblies from the backside of backplane. Screw spacers onto screws. Fasten metal spacers in the correct locations to provide proper grounding, see below (Fig. 3, pg. 4).
- 2. Mount boards to spacers utilizing 5/16" pan head screws (provided) (Fig. 3a, pg. 4).
- 3. Mount appropriate Openpath boards into the correct positions by postioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 3, pg. 4).
- 4. Fasten TCV2 backplane to Trove2 enclosure utilizing pan head screws (provided).

Access Controller Position Chart for the Following Openpath Modules:

Openpath	Mounting Position
OP-ACC	
OP-EX-4E	
OP-EX-8E	
OP-16EM	

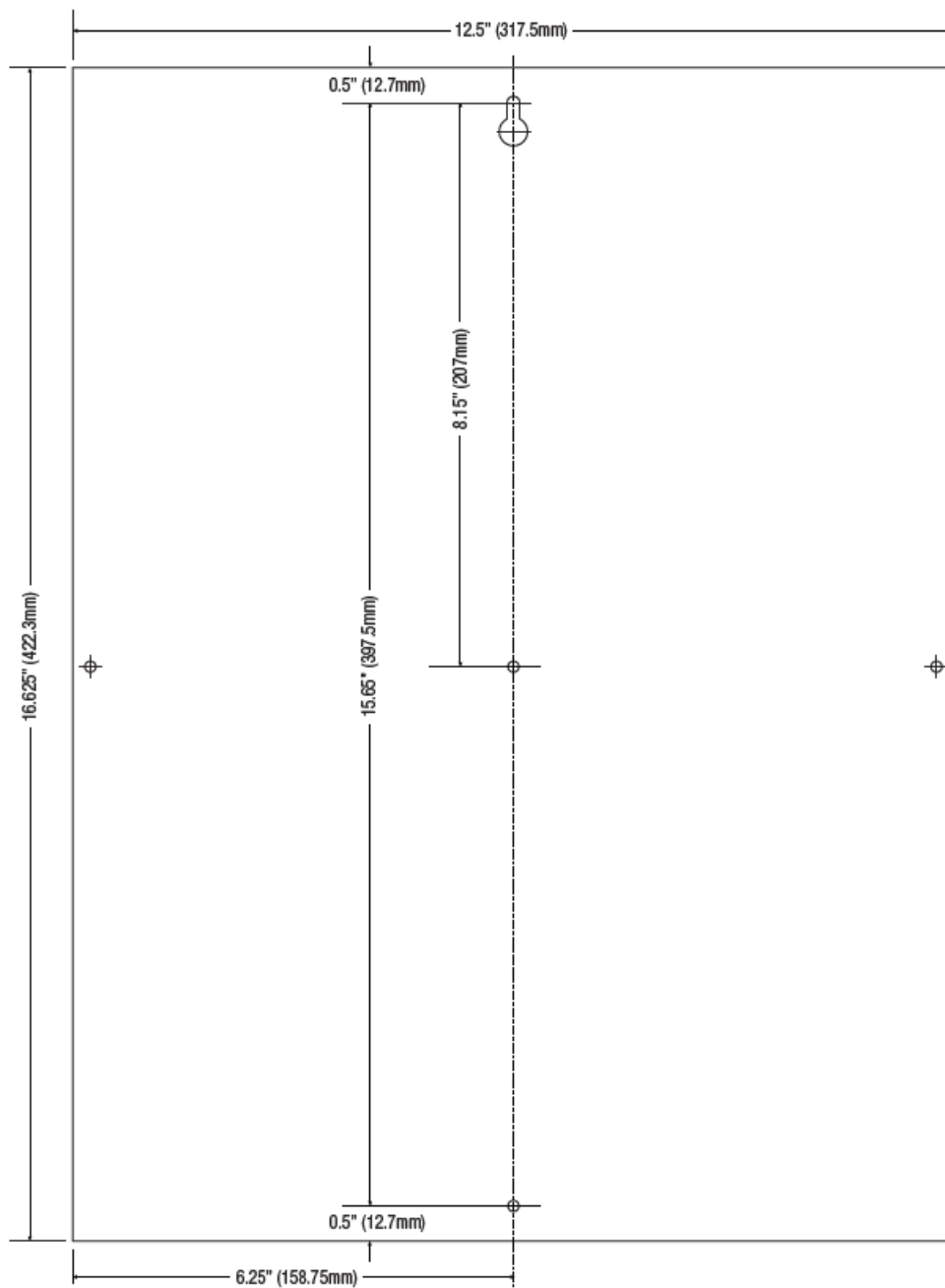
Fig. 3 – Trove2PH2/TCV2 Configurations

Fig. 3 - Trove2PH2/TCV2 Configurations

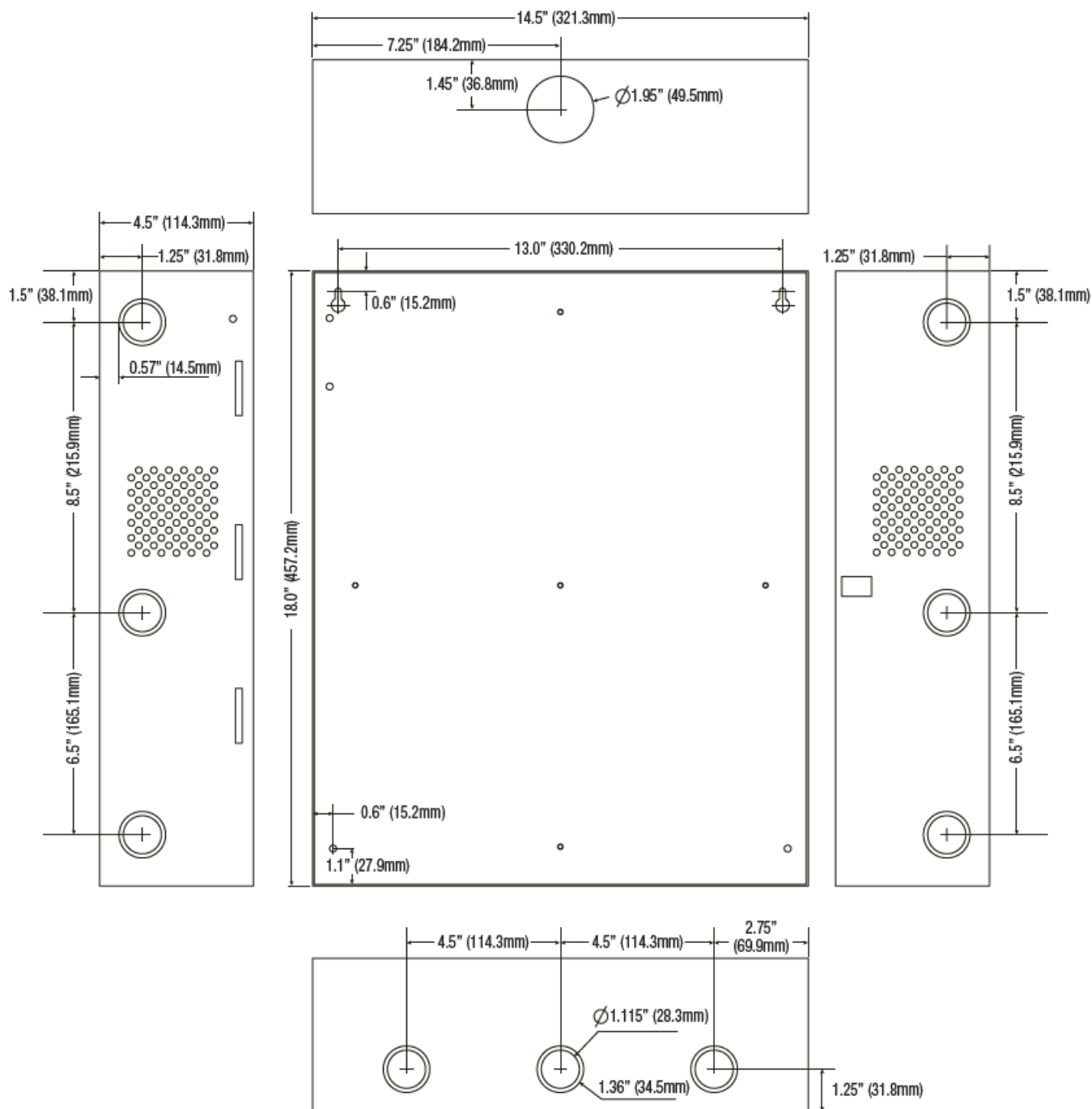


Dimensions

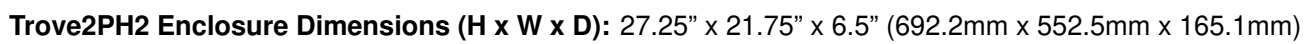
TC1 Dimensions: 16.625" x 12.5" x 0.3125" (422.3mm x 317.5mm x 7.9mm)

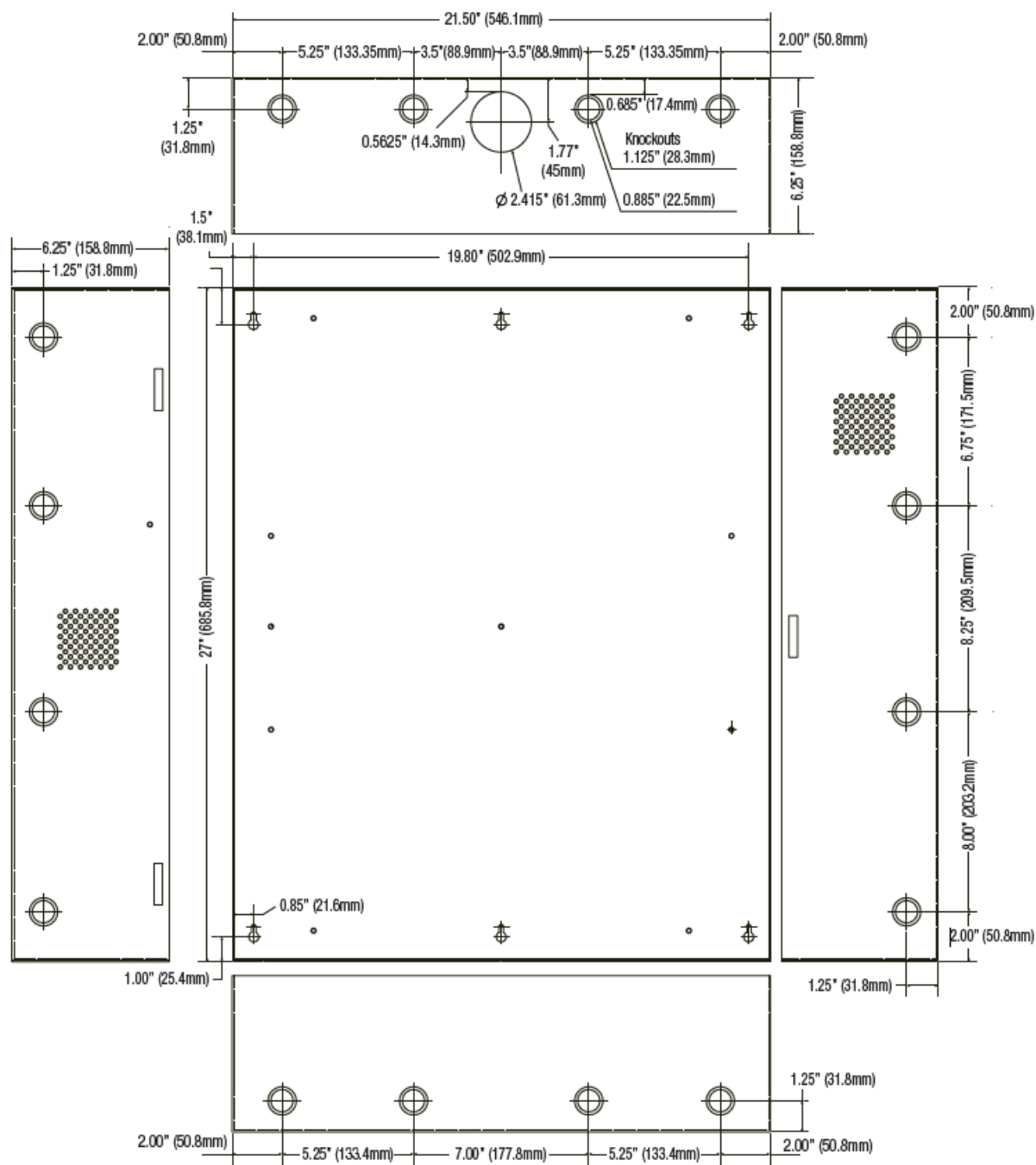


Trove1PH1 Enclosure Dimensions (H x W x D): 18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



TCV2 Dimensions: 25.375" x 19.375" x 0.325" (644.5mm x 482.6mm x 8.3mm)





Altronix is not responsible for any typographical errors.

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II Trove1PH1 / TC1 / Trove2PH2 / TCV2

Documents / Resources

<p>TROVE Access & Power Integration</p> <p></p> <p>Trove1PH1 Trove1 W Openpath Backplane (TC1)</p> <p>TC1 Trove1 W Openpath Backplane (TC1)</p> <p>Trove2PH2 Trove2 W Openpath Backplane (TC2)</p> <p>TCV2 Trove2 W Openpath Backplane (TC2)</p> <p>Installation Guide</p> <p></p>	<p>Altronix TROVE1PH1 Trove1 W Openpath Backplane [pdf] Instruction Manual</p> <p>TROVE1PH1 Trove1 W Openpath Backplane, TROVE1PH1, Trove1 W Openpath Backplane, Openpath Backplane, Backplane</p>
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References

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