

TR²OVE™ Installation Guide

Versatile Access Power and Integration Enclosures

Trove1V1

- Trove1 enclosure with Altronix/HID VertX® backplane (TV1)

TV1

- Altronix/HID VertX® backplane only

Overview:

Trove1V1 accommodates various combinations of HID VertX® boards with or without Altronix power supplies and accessories for access systems.

Specifications:

Trove1V1

Trove1 enclosure with TV1 Altronix/HID VertX® backplane.

- 19 Gauge grey enclosure with ample knockouts for convenient access.
 - 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)

TV1

Altronix/HID VertX® backplane.

- 19 Gauge backplane.
 - Includes mounting hardware.
- Dimensions (H x W x D): 16.625" x 12.5" x 0.3125" (422.275mm x 317.5mm x 7.9mm)

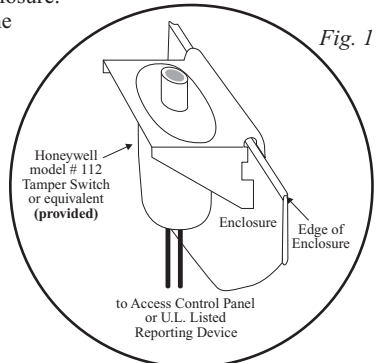
TV1 Backplane accommodates a combination of the following:

- One (1) Altronix AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
- One (1) Altronix ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
- Two (2) of either HID VertX® V100, V200, V300, V1000 or V2000.

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 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 (Ademco model 112 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/HID VertX® modules to TV1 backplane, refer to *Page 2*.



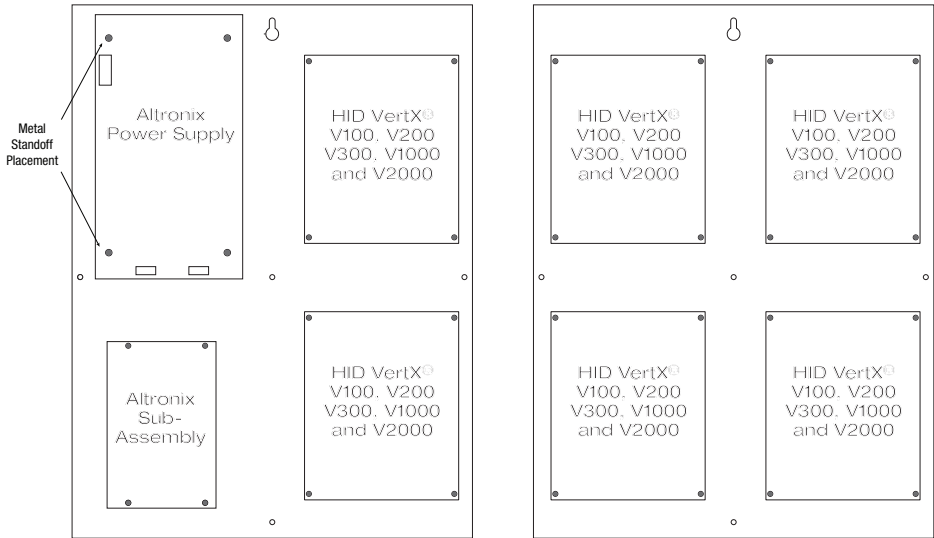
Configuration of Altronix Power Supply and/or Sub-Assembly Boards

1. Fasten standoffs (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards (*Fig. 2, pg. 2*). Use male/female nylon standoffs for the upper two mounting holes in the board. Use metal standoffs for the bottom mounting holes to provide sufficient grounding for the board.
2. Affix boards to standoffs (*Fig. 2, pg. 2*) by pressing down the upper mounting holes onto nylon standoffs. Use provided mounting screws to affix the lower mounting holes. Make sure that boards are locked onto standoffs.
3. Fasten backplane to Trovel enclosure utilizing lock nuts (provided).

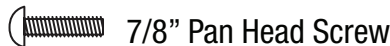
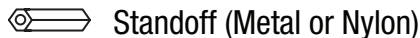
Configuration of HID VertX® Boards

1. Fasten standoffs (provided) to pems that match the hole pattern for HID VertX® V100, V200, V300, V1000 or V2000 boards (*Fig. 2, pg. 2*).
2. Mount boards to standoffs (*Fig. 2, pg. 2*) utilizing 7/8" pan head screws (provided).
3. Fasten backplane to Trovel enclosure utilizing lock nuts (provided).

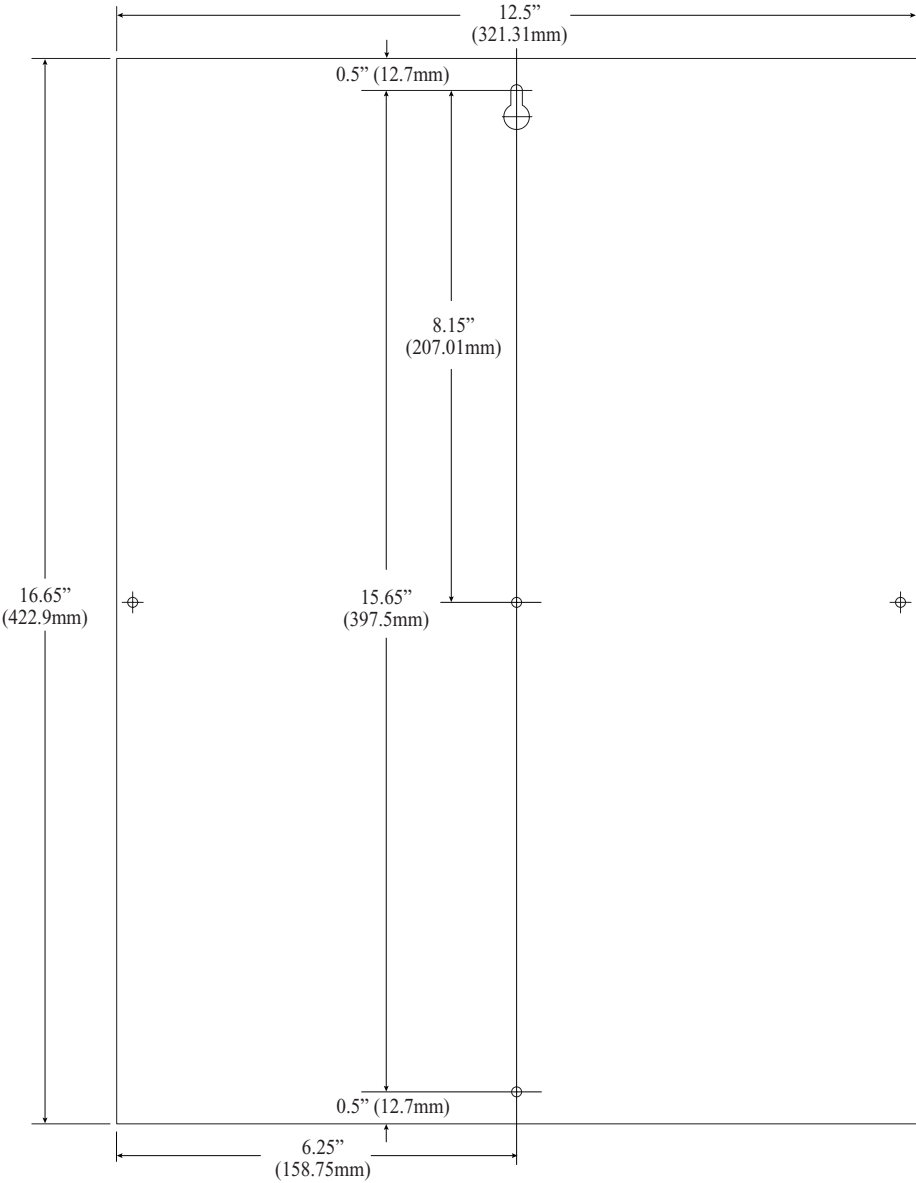
Fig. 2



Mounting Hardware:

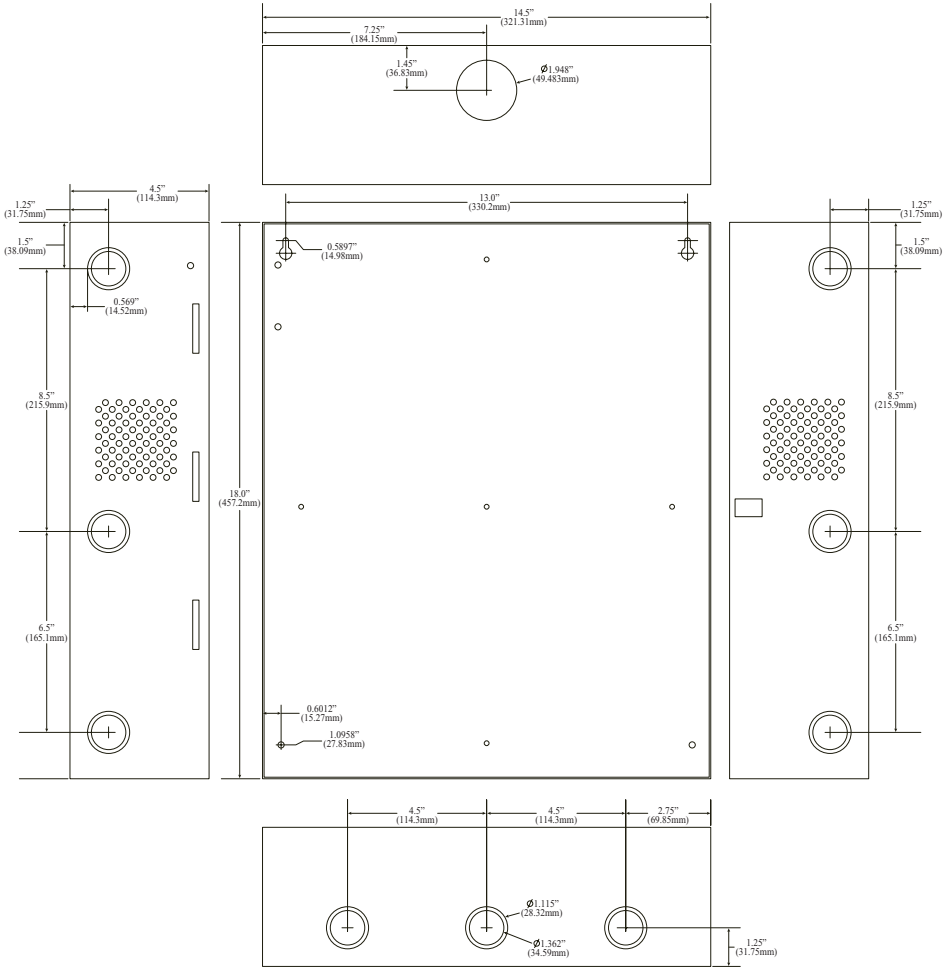


TV1 Dimensions



Trove1V1 Enclosure Dimensions (H x W x D):

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



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

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Trove1V1 - Altronix/HID VertX