

TR²OVE™ Installation Guide

Versatile Access Power and Integration Enclosures

Trove1M1

- Trove1 enclosure with Altronix/Mercury backplane (TM1)

TM1

- Altronix/Mercury backplane only

Overview:

Trove1M1 accommodates various combinations of Mercury boards with or without Altronix power supplies and accessories for access systems.

Specifications:

Trove1M1

Trove1 enclosure with TM1 Altronix/Mercury 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)

TM1

Altronix/Mercury 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)

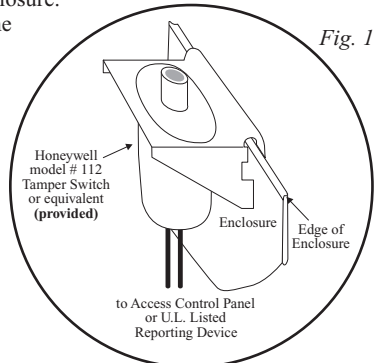
TM1 Backplane accommodates a combination of the following:

- 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 of either Mercury EP1502, MR52, MR16IN, MR16OUT.

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/Mercury modules to TM1 backplane, refer to *Page 2*.



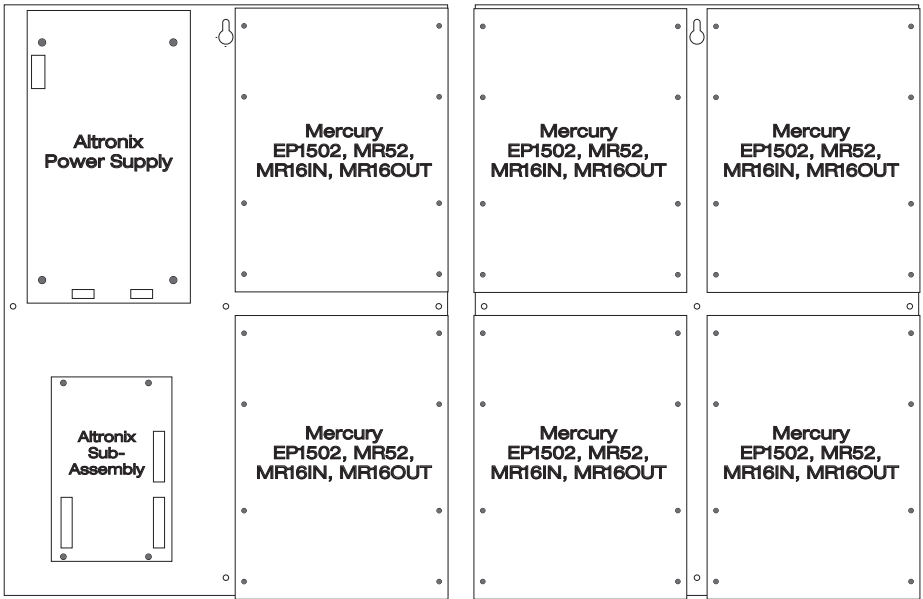
Configuration of Altronix Power Supply and/or Sub-Assembly Boards

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 Trove1 enclosure utilizing lock nuts (provided).





Configuration of Mercury Boards

1. Fasten standoffs (provided) to pems that match the hole pattern for Mercury EP1502, MR52, MR16IN or MR16OUT (*Fig. 2, pg. 2*). Use male/female nylon standoffs only.
2. Affix boards to standoffs (*Fig. 2, pg. 2*) by pressing down the mounting holes onto nylon standoffs. Make sure that boards are locked onto standoffs.
3. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

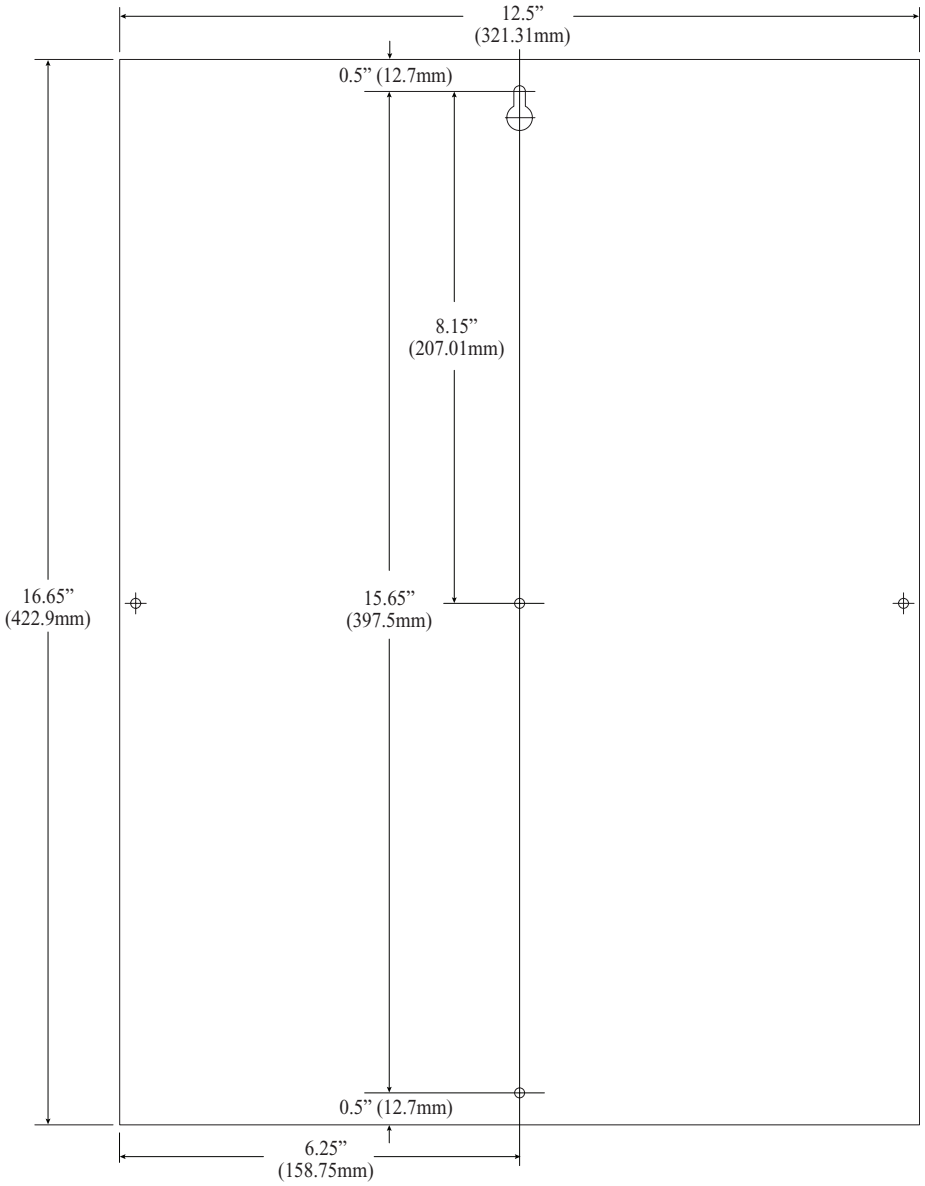
Fig. 2



Mounting Hardware:

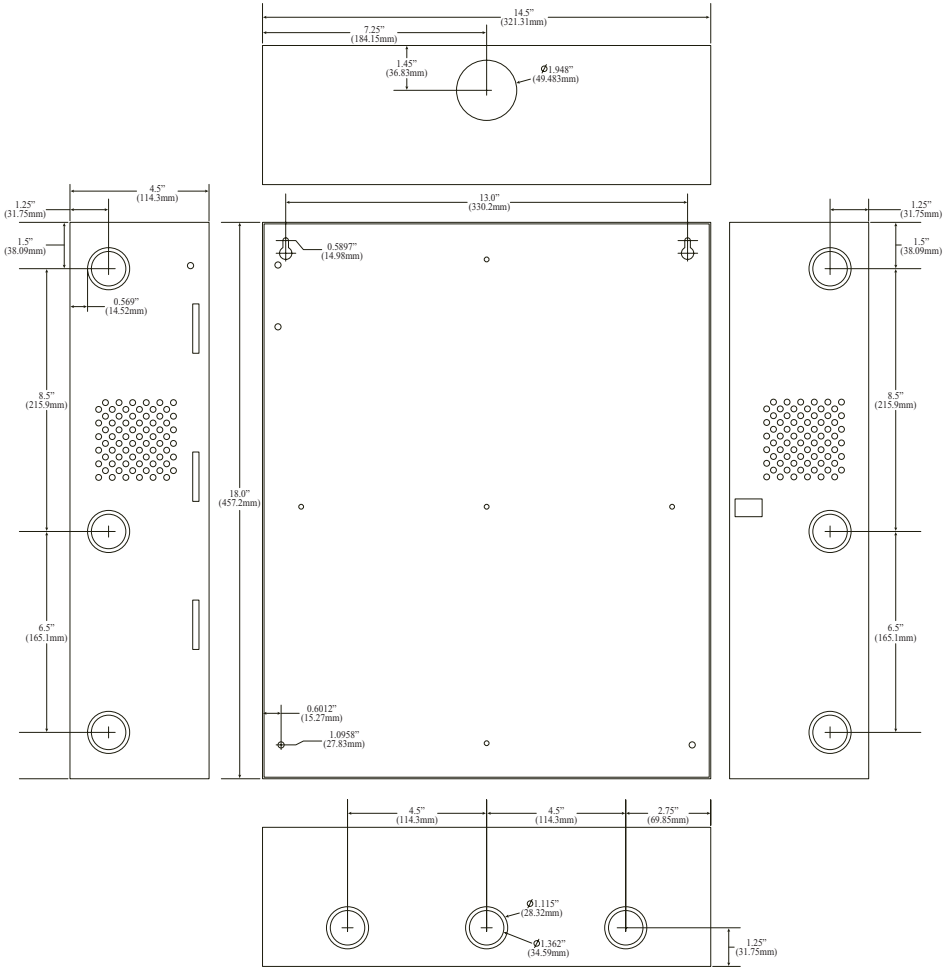
-  Male/Female Standoff
-  Standoff (Metal or Nylon)
-  5/16" Pan Head Screw
-  Lock Nut

TM1 Dimensions



Trove1M1 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.

140 58th Street, Brooklyn New York 11220 USA, 718-567-8181, fax: 718-567-9056

website: www.altronix.com, e-mail: info@altronix.com. Made in USA.

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