Altronix®

TROVE™ *Installation Guide*

Versatile Access Power and Integration Enclosures

Trove2SH2
- Trove2 enclosure with
  Altronix/Software House backplane (TSH2)

TSH2
- Altronix/Software House backplane only

Overview:

Trove2SH2 accommodates various combinations of Software House boards with or without Altronix power supplies and accessories for access systems.

Specifications:

• 19 Gauge grey enclosure with ample knockouts for convenient access.
Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.15mm x 552.45mm x 165.1mm).
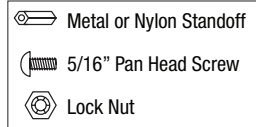
Trove2SH2
- **Trove2 enclosure with TSH2 Altronix/Software House backplane.**
• Includes: tamper switch, cam lock, lock nuts and mounting hardware.

TSH2
- **TSH2 Altronix/Software House backplane.**
• 19 Gauge backplane.
• Includes mounting hardware.
Dimensions (H x W x D): 25.375" x 19.375" x 0.3125" (644.525mm x 492.125mm x 7.9mm).

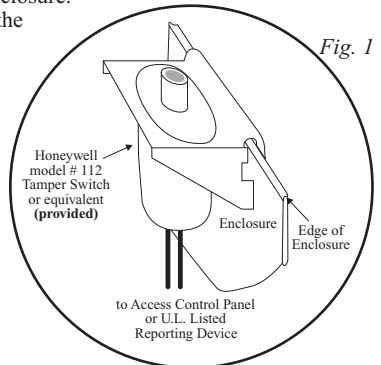|	
⬭	Metal or Nylon Standoff
▭	5/16" Pan Head Screw
◎	Lock Nut

Backplane accommodates a combination of the following:

• Two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2,
eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
• One (1) ACM4(CB), ACM8(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
• One (1) iStar Ultra GCM and two (2) iStar Ultra ACM.

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.
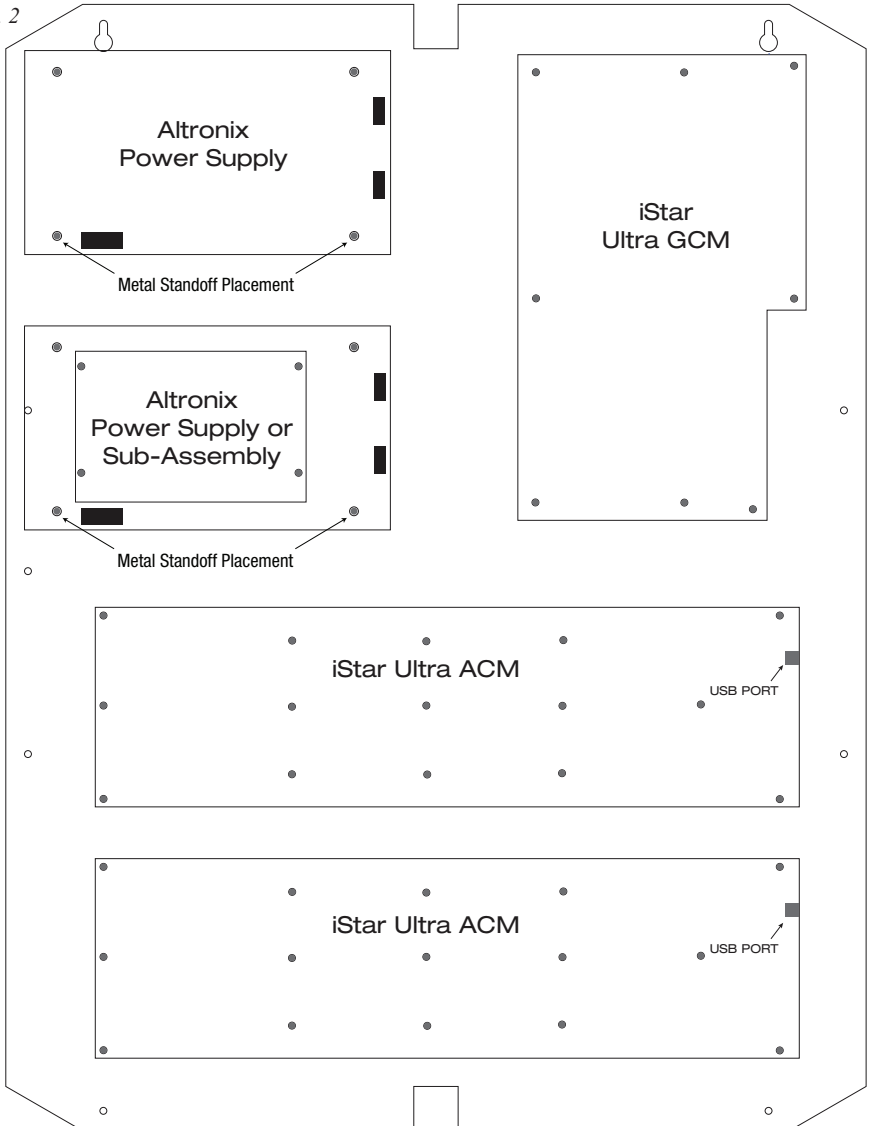1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure.
   Install three upper fasteners and screws in the wall with the screw heads protruding.
   Place the enclosure's upper keyholes over the three 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 UL Listed tamper switch (Included)
   (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/Software House boards to backplane,
   refer to page 2.

Fig. 1

Honeywell model # 112 Tamper Switch or equivalent **(provided)**

Enclosure

Edge of Enclosure

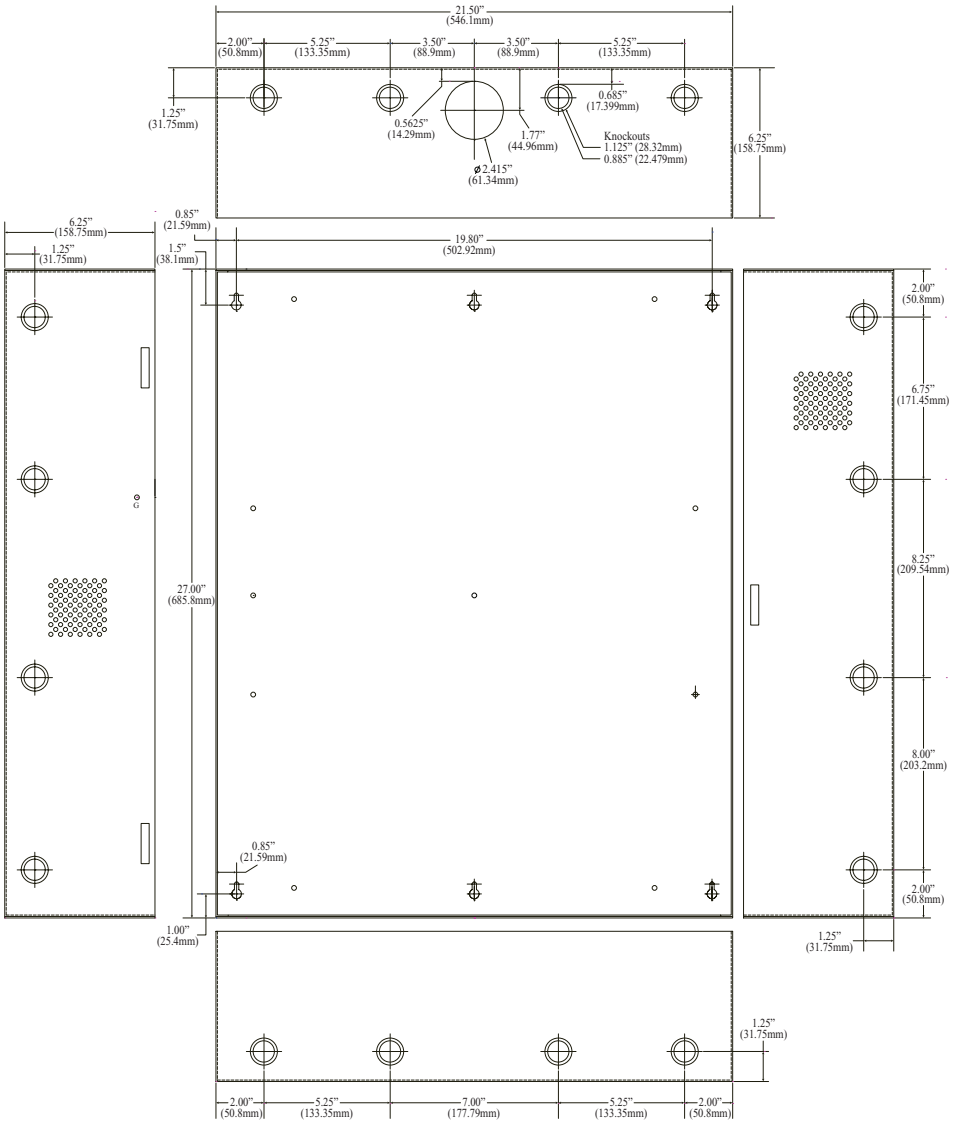to Access Control Panel or U.L. Listed Reporting Device

TSH2: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and Software House 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)*.
   Fasten metal standoffs in the correct locations to provide proper grounding, see below *(Fig. 2, pg. 2)*.
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) *(Fig. 2, pg. 2)*.
3. Align the Software House boards on the backplane to match the boards' mounting holes with pems provided.
4. Fasten standoffs (provided) to pems that match the hole pattern for Software House iStar Ultra GCM and iStar Ultra ACM boards.
5. Mount Software House boards to standoffs utilizing 5/16" pan head screws (provided) *(Fig. 2, pg. 2)*.
   Note: Software House iStar Ultra ACM boards have one (1) USB port each.
   Please orient boards in the appropriate position according to the *Fig. 2* below.
6. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2

Altronix Power Supply

Metal Standoff Placement

Altronix Power Supply or Sub-Assembly

Metal Standoff Placement

iStar Ultra GCM

iStar Ultra ACM

USB PORT

iStar Ultra ACM

USB PORT

TSH2 Dimensions

Fig. 3

19.4"
(492.76mm)

7.5"
(190.5mm)

7.5"
(190.5mm)

24.95" (633.73mm)

⌀0.156"
(⌀3.96mm)

25.4"
(645.16mm)

16.245" (412.62mm)

12.62" (320.55mm)

12.62"
(320.55mm)

8.495" (215.77mm)

1.0"
(25.4mm)

1.0"
(25.4mm)

0.45"
(11.43mm)

7.5"
(190.5mm)

7.5"
(190.5mm)

9.2"
(233.68mm)

Trove2SH2 Enclosure Dimensions *(H x W x D):*
27.25" x 21.75" x 6.5" (692.15mm x 552.45mm x 165.1mm)

Altronix is not responsible for any typographical errors.

Trove2SH2/TSH2 - Altronix/Software House

MEMBER