TROVE™

Access & Power Integration

Trove2HR2R

Trove rack enclosure with
Altronix and Identiv Backplane (THR2R)

Installation Guide

All registered trademarks are property of their respective owners.

More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove2HR2R rack mount access & power integration solution consists of a high-capacity rack enclosure with removable backplane. This unit easily accommodates various combinations of Identiv boards with or without Altronix power supplies and accessories in a streamlined package for access systems.

Specifications:

Agency Listings:
- UL 294 - 7th edition. Trove2R Access Control Sub-Assemblies: Destructive Attack I.
- CE European Conformity.

Trove2HR2R
Trove2R rack mount enclosure with THR2R Altronix/Identiv backplane.
- 16 Gauge black enclosure with ample knockouts for convenient access.
- Modular 2U standard EIA 19" drawer with extendable slides up to 48".
- Dimensions (H x W x D): 3.375" x 19.0" x 33.25" (85.8mm x 482.6mm x 844.6mm).
- Includes tamper switch (Altronix Model TS112 or equivalent) and cam lock.

THR2R
Altronix/Identiv backplane.
- 16 Gauge backplane.
- Dimensions (H x W x D): 32" x 14.3" x 0.3125" (812.8mm x 363.2mm x 7.9mm).

Optional Accessories:
- **RE2:** Rack Mount Battery Enclosure accommodates up to four (4) 12VDC/7AH batteries.
- **WM5, WM25, WM100:** Magnetic Cable Tie Mounts (5, 25, 100 counts).
- **LC3:** 6 ft. three-wire line cord.

Backplane Accommodates a Combination of the Following:

Altronix:
- Up to two (2) eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, or AL1024ULXB2.
- One (1) LINQ8ACM(CB), ACMS8(CB) or ACM8(CB).
- Up to two (2) LINQ8PD(CB), ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB) or VR6.

Identiv:
- One (1) Mx2, Mx4, and Mx8 with CCMx and SNIB3.
- Up to four (4) RREB, AEB8 and REB8.

Hardware and Accessories:

◁▭▷ Spacer | ▨▨▨▨ 5/16" Pan Head Screw | ◈ Lock Nut

# Installing Trove2R into Rack Tower:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. These products are for indoor use only and must be installed within the protected premises.

Note: First assemble and Install Z Bracket Wire Management Accesory
(refer to Z Bracket Installation pg. 4)

1. Remove backplane from enclosure prior to installing into rack cabinet (do not discard hardware).
2. In order to mount included cUL Listed tamper switch (Tane Model 3/8 ASH FM WH or equivalent) turn the enclosure upside down and locate mounting holes *(Fig. 1, pg. 3)*. Insert the tamper switch flying leads into the center knockout of the three (3) holes from outside of thedrawer with the button facing outwards, make sure tamper switch is inserted properly then secure it with the two (2) screws (supplied). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device.
   To activate alarm signal open the rack drawer.
3. Slide the rack enclosure into an open 2U location in the four post rack cabinet.
4. Utilizing proper fasteners attach front ears to the rack rails *(Rack drawer, pg. 8)*.
5. Attach the rear of the adjustable slides to the rear rails of the rack cabinet with the proper fasteners.
6. Secure the rack cover *(Fig. 2a, pg. 3)* and rack drawer *(Fig. 2b, pg. 3)* to earth ground.
7. Ensure that all internal cofigurations (voltage selection, switch settings, etc.) are completed before mounting backplane back into Trove rack enclosure.

Fig. 1
Back of the drawer, viewed from outside.
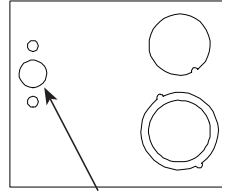
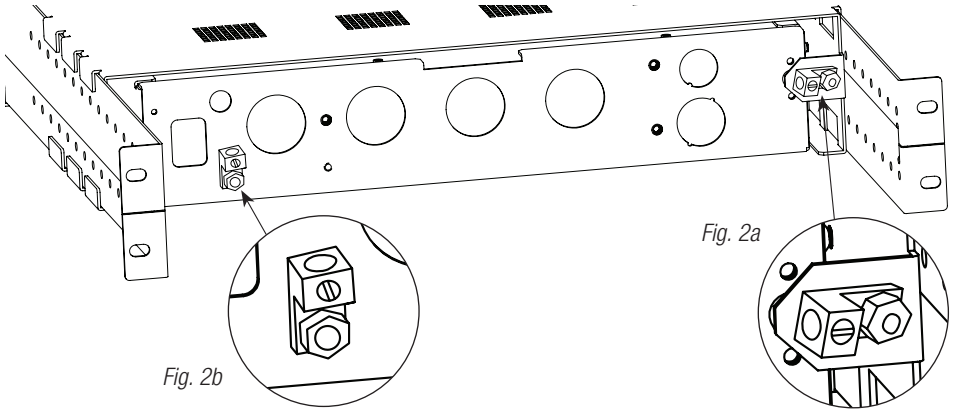*Tamper Switch mounting location*

Fig. 2

Fig. 2a

Fig. 2b

Z Bracket Installation for Trove2R:

Altronix Trove2R enclosure includes Z Bracket, a convenient and reliable wire management accessory.

Hardware (included)**:**

Twelve (12) bolts and   eight (8) lock nuts.

1. Carefully unpack Z Bracket. Do not discard hardware (included) *(Fig. 3, pg. 4)*.
2. Attach arms to each other using bolts and lock nuts *(Fig. 4a, pg. 4)*.
3. Attach the hinge brackets to the ends of arms using bolts and nuts positioning them as shown on *(Fig. 4b, pg. 5)*.
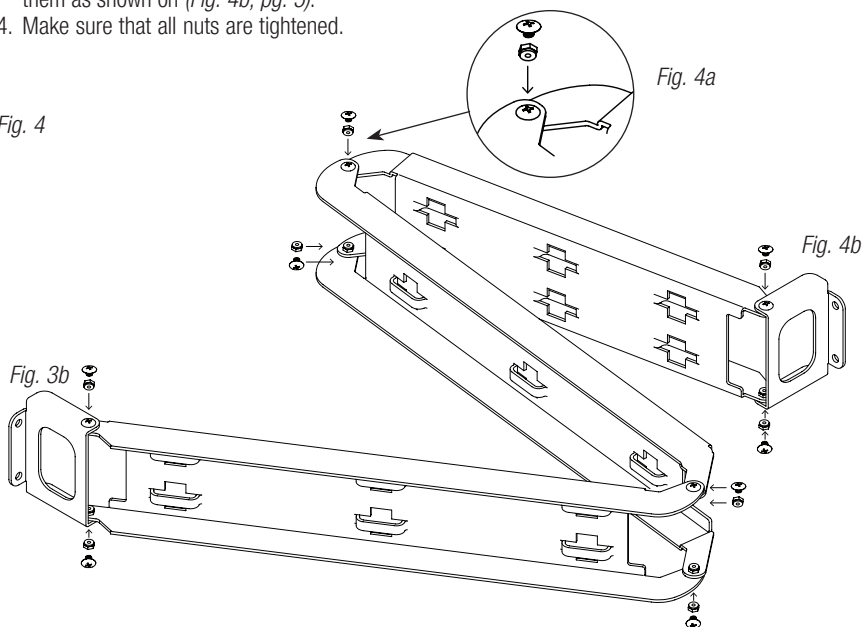4. Make sure that all nuts are tightened.

Fig. 3

Fig. 4

Fig. 4a

Fig. 4b

Fig. 3b
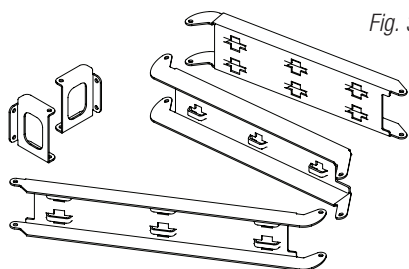
5. Attach the hinge bracket on each end of Z Bracket, then attache the Z Bracket to the adjustable slide using bolts and lock nuts (included) *(Fig. 5, 5a, pg. 4)*.
6. Attach the hinge bracket on the shorter side of Z Bracket to the rear of the rack enclosure using bolts (included).
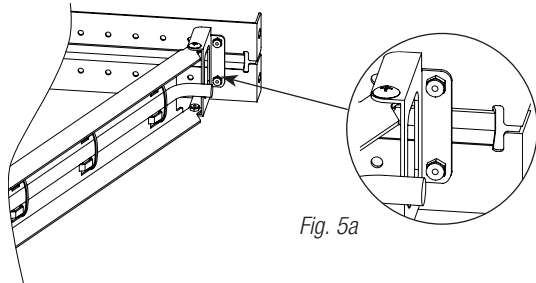
Fig. 5

Fig. 5a

THR2R:

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

1. Fasten spacers onto metal pems configuration of backplane depending on the board *(Fig. 6, pg. 5)*.
2. Position module over corresponding spacers and fasten screws into spacers *(Fig. 6a, 6b, pg. 5)*.
3. Mount backplane to enclosure with hardware.

Position Chart for the Following Models:

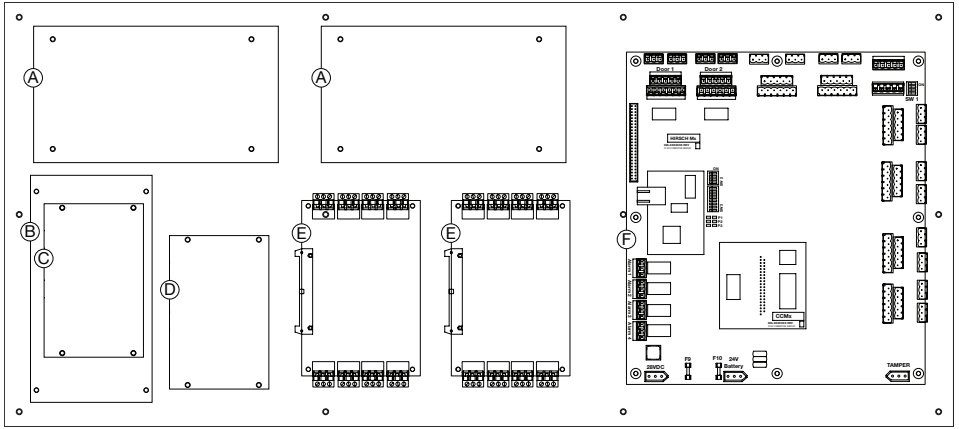| Altronix / Identiv	Pem Mounting
eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2	A
LINQ8ACM(CB), ACMS8(CB), ACM8(CB)	B
LINQ8PD(CB), ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6	C
LINQ8PD(CB), PDS8(CB), VR6	D
RREB, AEB8 and REB8	E
Mx2, Mx4, and Mx8 with CCMx and SNIB3	F

Fig. 6

Fig. 6a

Pan Head Screw

Power Supply
or
Sub-Assembly

Backplane

Spacer

Pem

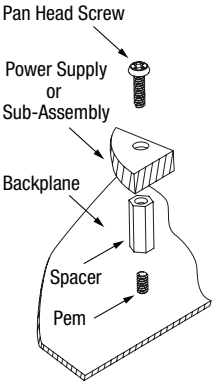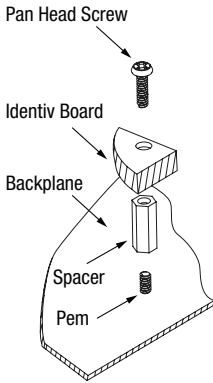*Fig. 6b*

Pan Head Screw

Identiv Board

Backplane

Spacer

Pem

Notes:

THR2R Backplane Dimensions (H x W x D):

3.375" x 19.0" x 33.25" (85.8mm x 482.6mm x 844.6mm)

14.3" (363.2mm)

32" (812.8mm)
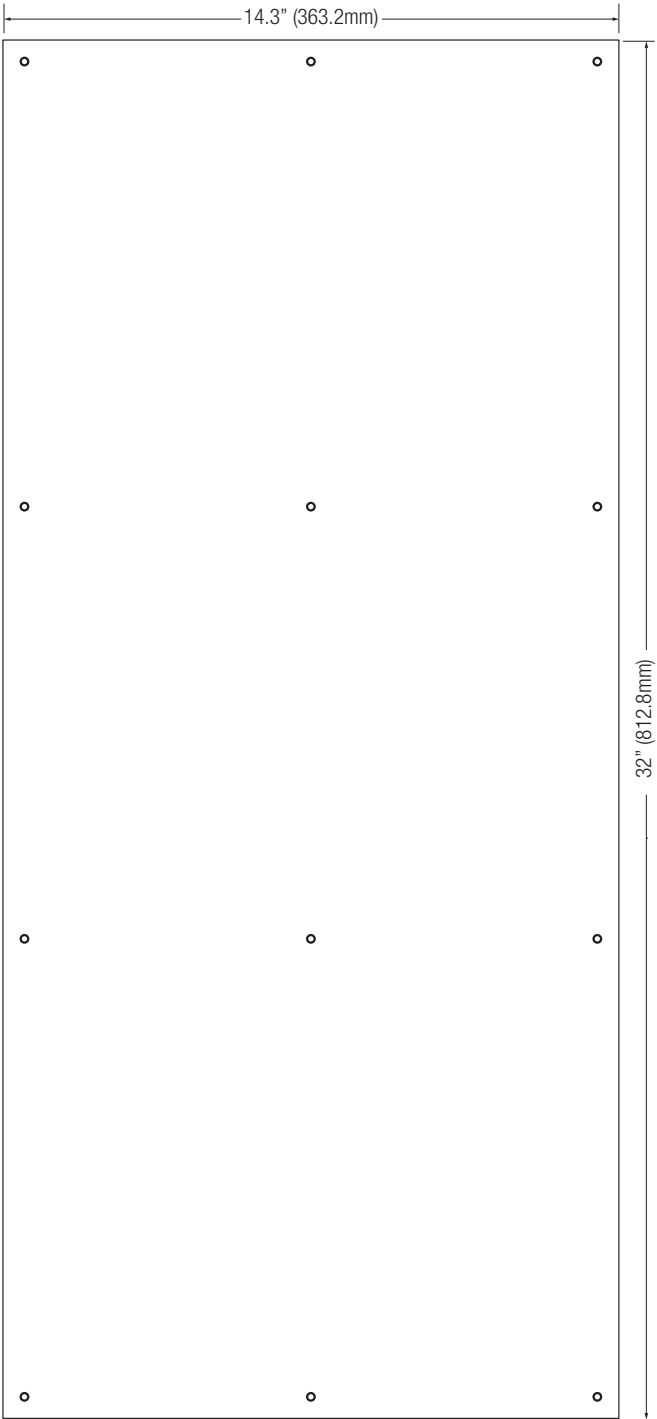
Trove2R Enclosure Dimensions:

3.375" x 19.0" x 33.25" (85.8mm x 482.6mm x 844.6mm). Shown with Z Bracket attached.
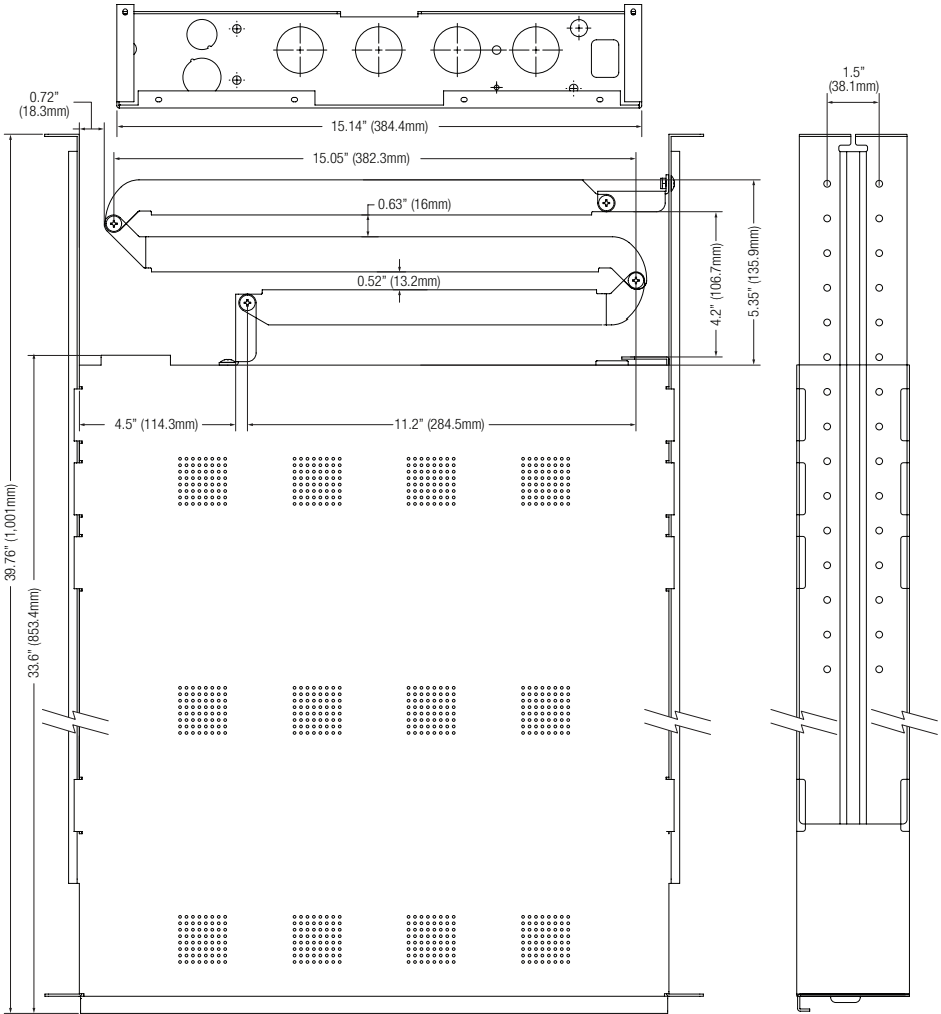
Altronix is not responsible for any typographical errors.

MEMBER