



Access & Power Integration

T2HW16

16 Altronix/Honeywell ProWatch/WinPak Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with THW2 Altronix/Honeywell backplane and THWD2 door backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) VR6 - Voltage Regulator

All components of this Trove kit are UL Listed sub-assemblies.

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide



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Rev. 090822

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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Overview:

Altronix Trove T2HW16 Honeywell kit is pre-assembled and consist of Trove enclosure/backplanes with factory installed Altronix power supply/charger and sub-assemblies. It also accommodates a variety of Honeywell modules for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage Range (VDC)	Maximum Supply Current for Main Output on Power Supply board and ACMS8 Access Power Controllers' outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Additional Fuse Protected Outputs	Current Per ACMS8 and PDS8 Output (A)	ACMS8 Board Input Fuse Rating	PDS8 Board Input Fuse Rating	ACMS8 and PDS8 Board Output Fuse Rating
T2HW16	4.2	5A/ 250V	15A/ 32V	20.17- 26.4	24VDC @ 18.4A	16	8	2.0	15A/ 32V	10A/ 32V	3A/ 32V

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.

If your application requires a raised backplane, re-mount it using metal spacers and screws (provided).

2. Mark and predrill holes in the wall to line up with the top two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/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 two/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. Connect unswitched AC power (115VAC 60Hz) to terminals marked [L, N]. Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground. Green "AC" LED on power supply board will turn on.

This light can be seen through the LED lens on the door of the enclosure.

Keep power-limited wiring separate from non power-limited wiring (115VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

CAUTION: Do not touch exposed metal parts.

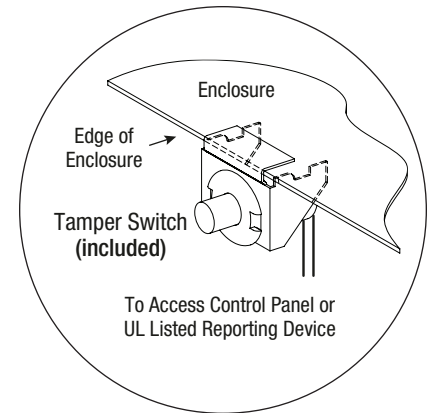
Shut branch circuit power before installing or servicing equipment.

There are no user serviceable parts inside.

Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount Honeywell modules to backplane(s), refer to *page 3*.
7. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2, and corresponding *Sub-Assembly Installation Guides* for ACMS8, PDS8 and VR6 for further installation instructions.

Fig. 1



Hardware:

 Nylon Spacer |  5/16" Pan Head Screw |  Lock Nut

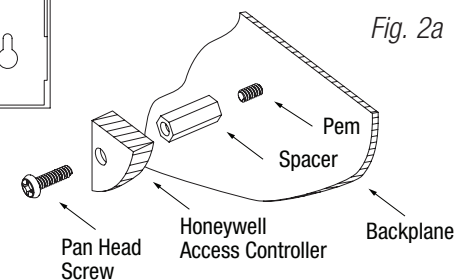
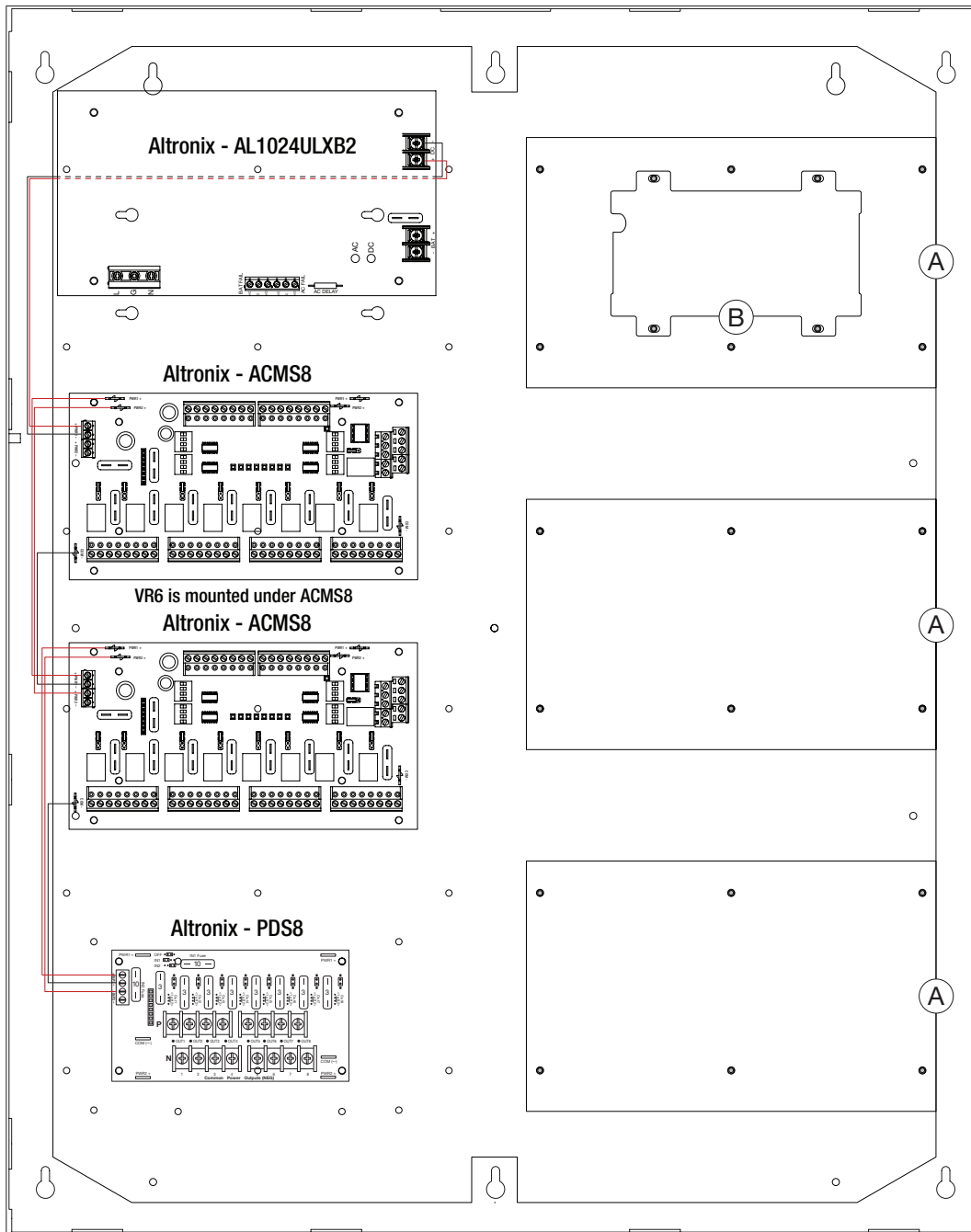
T2HW16: Installation Instructions for Honeywell Access Controllers

1. Fasten spacers (provided) into pem configuration (A) or (B) of backplane (Fig. 2, pg. 3).
2. Mount boards to spacers utilizing 5/16" pan head screws (provided) (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

Honeywell ProWatch/WinPak Access Controller Position Chart for the Following Models:

Honeywell Board	Pem Mounting
3200 Series or WIN-PAK Series	(A)
PW6K1ICE or PW6K1R1E	(B)

Fig. 2



THWD2 (Door Backplane) Configuration of Honeywell ProWatch/WinPak Boards:

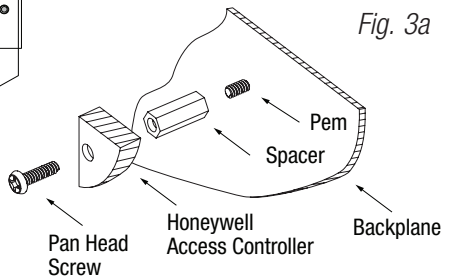
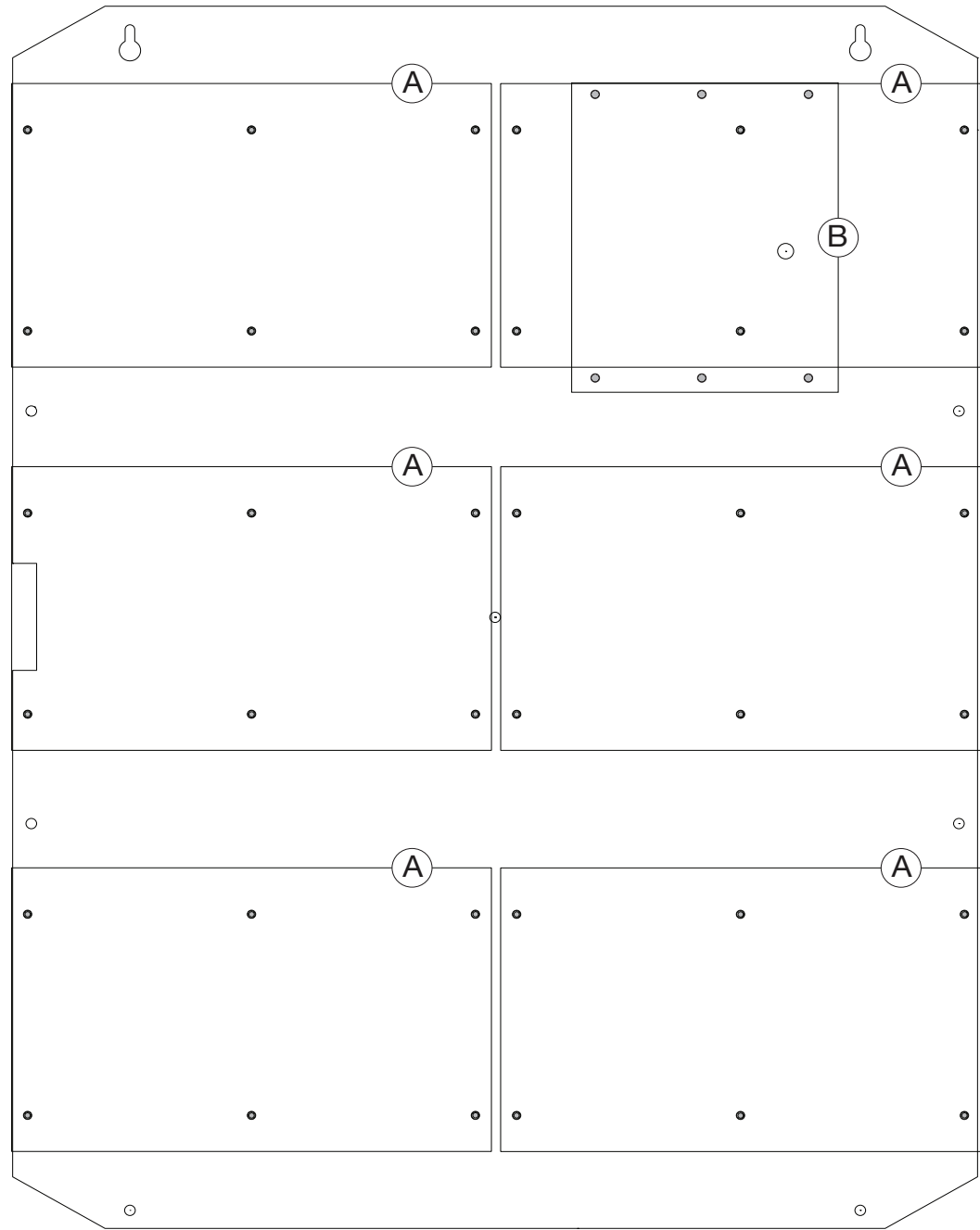
Honeywell ProWatch/WinPak Access Controllers:

- 1. Fasten spacers (provided) into pem configuration (A) or (B) of backplane (Fig. 3, pg. 4).
- 2. Mount boards to spacers utilizing 5/16" pan head screws (provided) (Fig. 3a, pg. 4).
- 3. Mount backplane to enclosure with hardware.

Honeywell ProWatch/WinPak Access Controller Position Chart for the Following Models:

Honeywell Board	Pem Mounting
3200 Series or WIN-PAK Series	(A)
PRO22MX8	(B)

Fig. 3



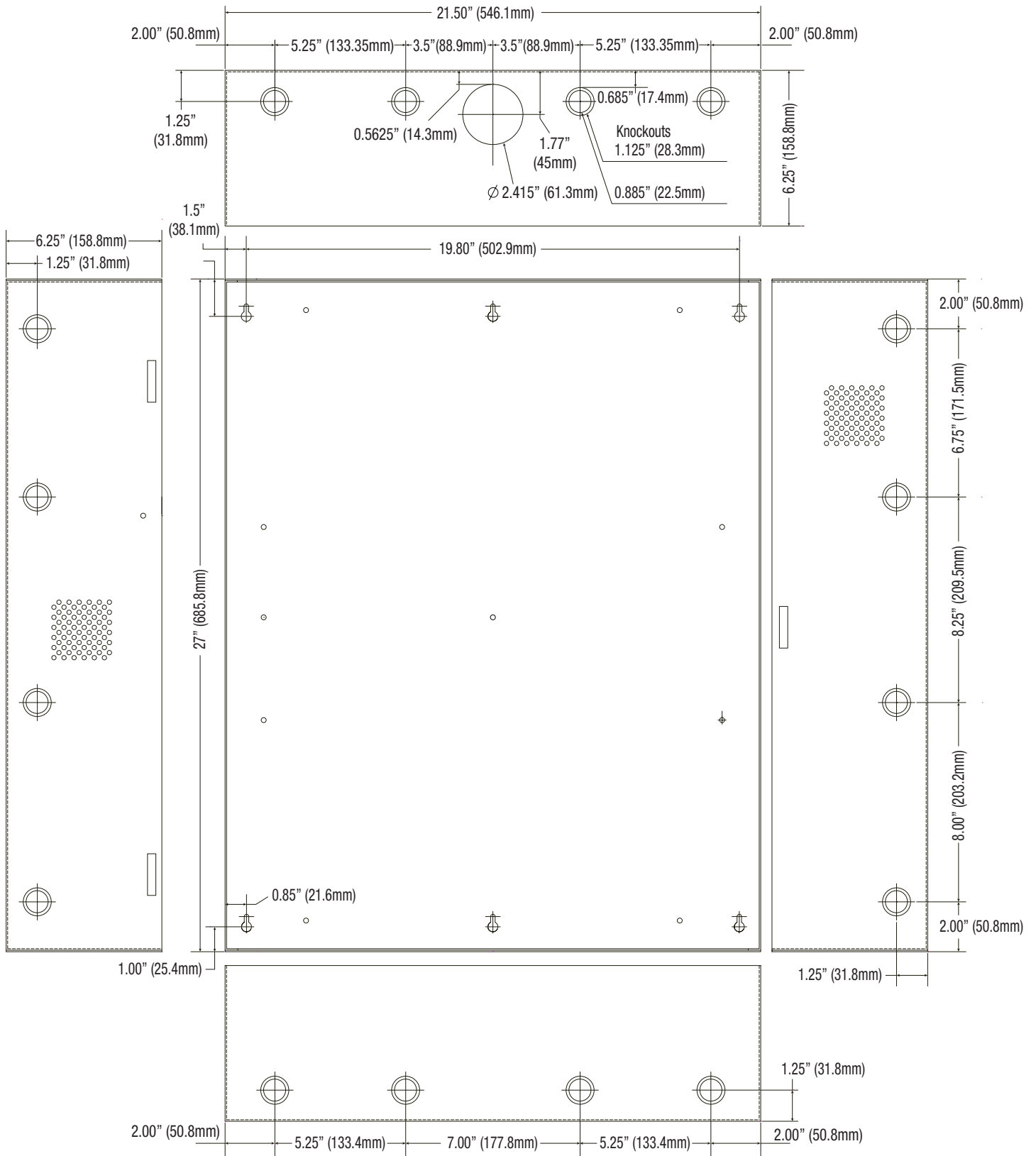
Notes:

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Enclosure Dimensions (H x W x D approximate):

27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm)



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

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