TROVE™

Access & Power Integration

Altronix/Openpath Kits

Models Include:

T2PHK7524

24 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Openpath backplane
- (1) AL1024ULXB2 - Power Supply/Charger
- (1) AL1012ULXB - Power Supply/Charger
- (2) ACMS12 - Dual Input Fused Access Control Modules
- (1) PDS16 - Dual Input Fused Power Distribution Module

T2PHK7524D

24 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Openpath backplane
- (1) AL1024ULXB2 - Power Supply/Charger
- (1) AL1012ULXB - Power Supply/Charger
- (2) ACMS12CB - Dual Input PTC Access Control Modules
- (1) PDS16CB - Dual Input PTC Power Distribution Module

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

Installation Guide

CE

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Rev. 092922

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Openpath kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of Openpath boards for up to twenty four (24) doors in a single enclosure.

Configuration Chart:

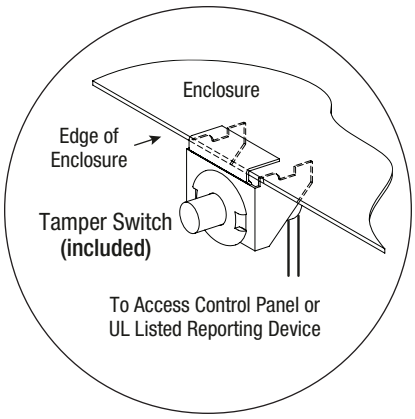
Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Output Voltage Options		Maximum Supply Current for Main Output on Power Supply board and ACMS12(CB) Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACM12(CB) and PDS16(CB) Output (A)	ACMS12 and PDS16 Board Input Fuse Rating	ACMS12 and PDS16 Board Output Fuse Rating	ACMS12CB and PDS16CB Board Input PTC Rating	ACMS12CB and PDS16CB Board Output PTC Rating
				Power Supply 1	Power Supply 2							
T2PHK7524	6.7	5A/ 250V	15A/ 32V	24VDC @ 9.5A	12VDC @ 9.5A	24VDC @ 9.7A	24	2.5	15A/ 32V	3A/ 32V	–	–
T2PHK7524D									–	–	9A	2.5A

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 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.
4. Mount Openpath boards to backplane, refer to *page 3.*
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2 and AL1012ULXB and *Sub-Assembly Installation Guide* for ACMS12(CB) and PDS16(CB) for further installation instructions.

Fig. 1



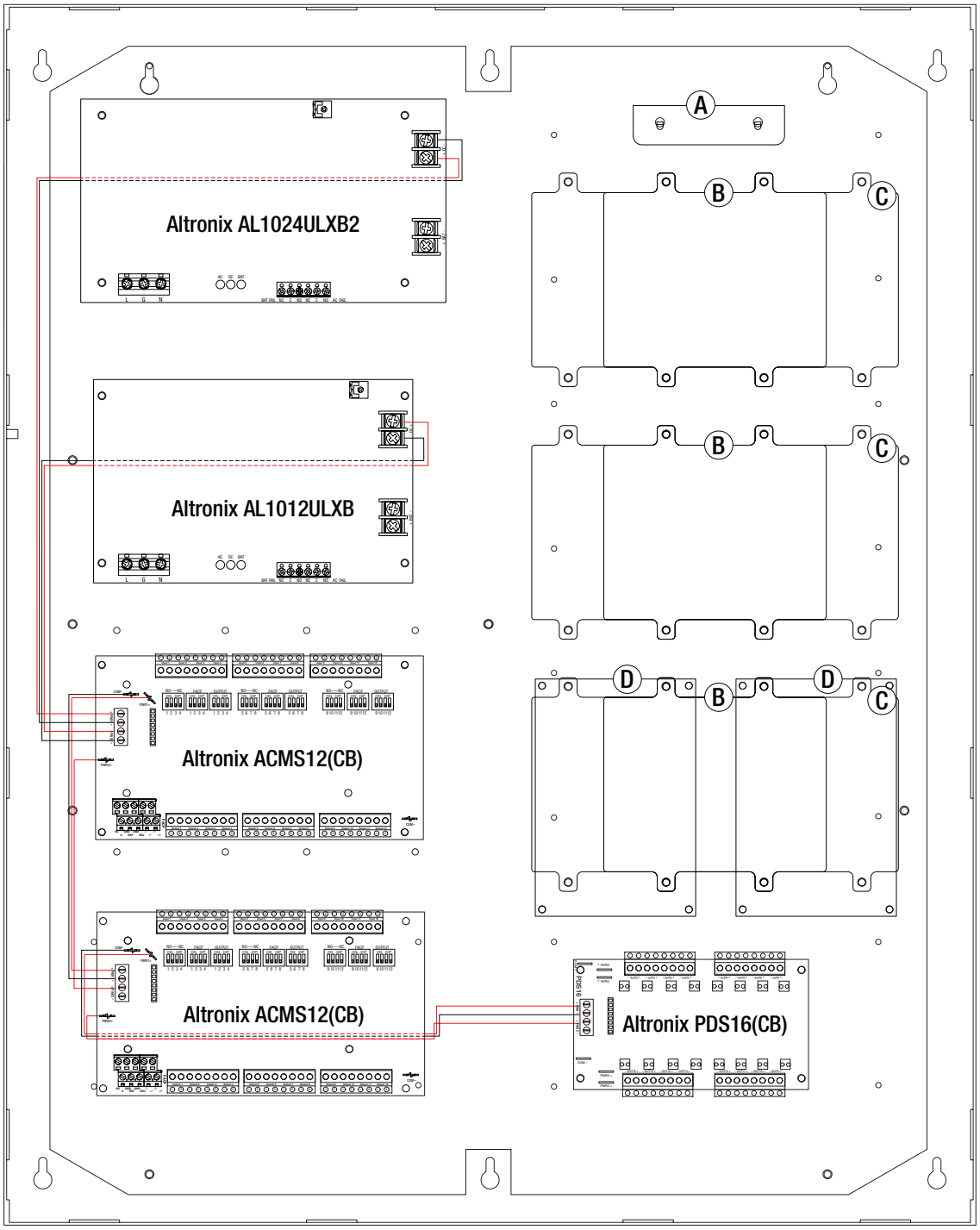
T2PHK7524(D): Configuration of Openpath Boards

1. Mount appropriate Openpath boards into the correct positions by postioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane *(Fig. 2, pg. 3)*.
2. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

Access Controller Position Chart for the Following Openpath Modules:

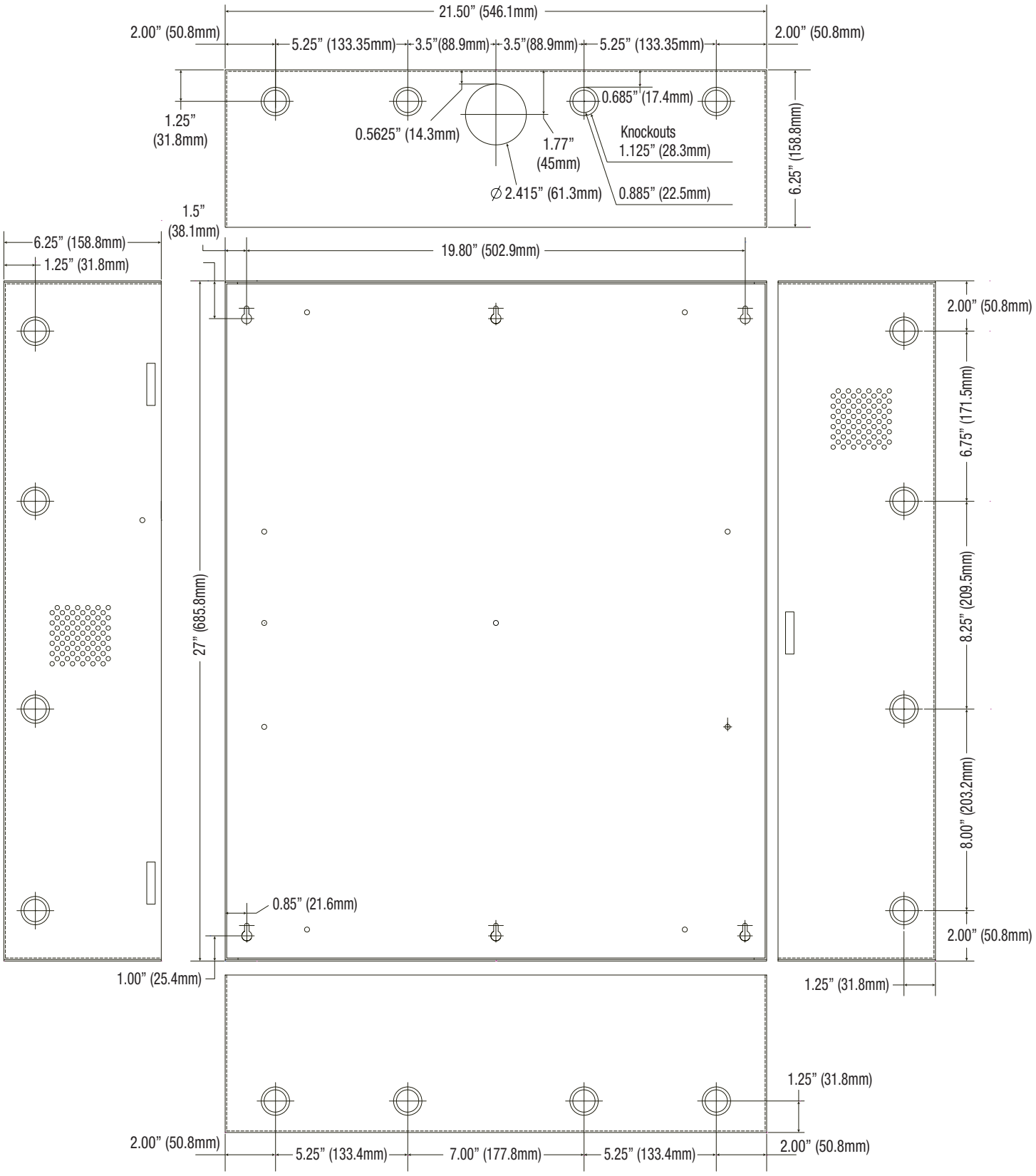
Openpath	Mounting Position
OP-ACC	Ⓐ
OP-EX-4E	Ⓑ
OP-EX-8E	Ⓒ
OP-16EM	Ⓓ

Fig. 2



Enclosure Dimensions (H x W x D approximate)**:**

27.25” x 21.5” x 6.5” (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors.

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