

TRIVE™

Access & Power Integration

Altronix/PDK Kits

Models Include:

T2PDK7516S

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (1) AL1024ULXB2 - Power Supply/Charger
- (1) AL1012ULXB - Power Supply/Charger
- (2) ACMS8 - Dual Input Fused Access Power Controllers
- (1) VR6 - Voltage Regulator
- (1) PD8UL - Fused Power Distribution Module

T2PDK7724S

24 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (2) AL1024ULXB2 - Power Supply/Chargers
- (2) ACMS12 - Dual Input Fused Access Power Controllers
- (2) VR6 - Voltage Regulators
- (2) PDS8 - Dual Input Fused Power Distribution Modules

T2PDK7516SD

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (1) AL1024ULXB2 - Power Supply/Charger
- (1) AL1012ULXB - Power Supply/Charger
- (2) ACMS8CB - Dual Input PTC Access Power Controllers
- (1) VR6 - Voltage Regulator
- (1) PD8ULCB - PTC Power Distribution Module

T2PDK7724SD

24 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (2) AL1024ULXB2 - Power Supply/Chargers
- (2) ACMS12CB - Dual Input PTC Access Power Controllers
- (2) VR6 - Voltage Regulators
- (2) PDS8CB - Dual Input PTC Power Distribution Modules

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

Installation Guide



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Rev. TPKL_021623

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix Trove PDK kits are pre-assembled and consist of Trove2PD2 enclosure/backplane with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of PDK red1, red2, red4 modules 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	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB)/ACMS12(CB) Access Power Controllers' outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB)/ACMS12(CB) Output (A)	ACMS8(CB)/ACMS12(CB) Board Input Fuse (PTC) Rating	ACMS8(CB)/ACMS12(CB) Board Output Fuse (PTC) Rating	PD8UL(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
				Power Supply 1	Power Supply 2								
				Output Range (VDC)	Output Range (VDC)								
T2PDK7516S	6.8	5A/250V	15A/32V	20.19-26.4	10.03-13.2	24VDC @ 9.2A	16	2.5	15A/32V	3A/32V	3.5A/250V	-	-
T2PDK7516SD	6.8	5A/250V	15A/32V	20.17-26.4	10.03-13.2	24VDC @ 9.2A	16	2.5	9A	2.5A	2.5A	-	-
T2PDK7724S	8.4	5A/250V	15A/32V	20.17-26.4	20.17-26.4	24VDC @ 9.2A each	24	2.5	15A/32V	3A/32V	-	10A/32V	3A/32V
T2PDK7724SD	8.4	5A/250V	15A/32V	20.17-26.4	20.17-26.4	24VDC @ 9.2A each	24	2.5	9A	2.5A	-	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(s) 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.

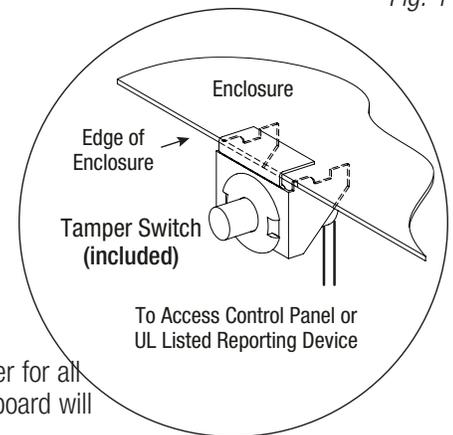


Fig. 1

Keep power-limited wiring separate from non power-limited wiring

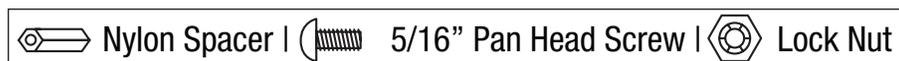
(115VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

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 PDK modules to TPD2 backplane, refer to *pg. 3, 4*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1012ULXB and AL1024ULXB2 and corresponding *Sub-Assembly Installation Guides* for ACMS8(CB), ACMS12(CB), PDS8(CB), PD8UL(CB), VR6 for further installation instructions.

Hardware:



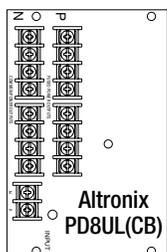
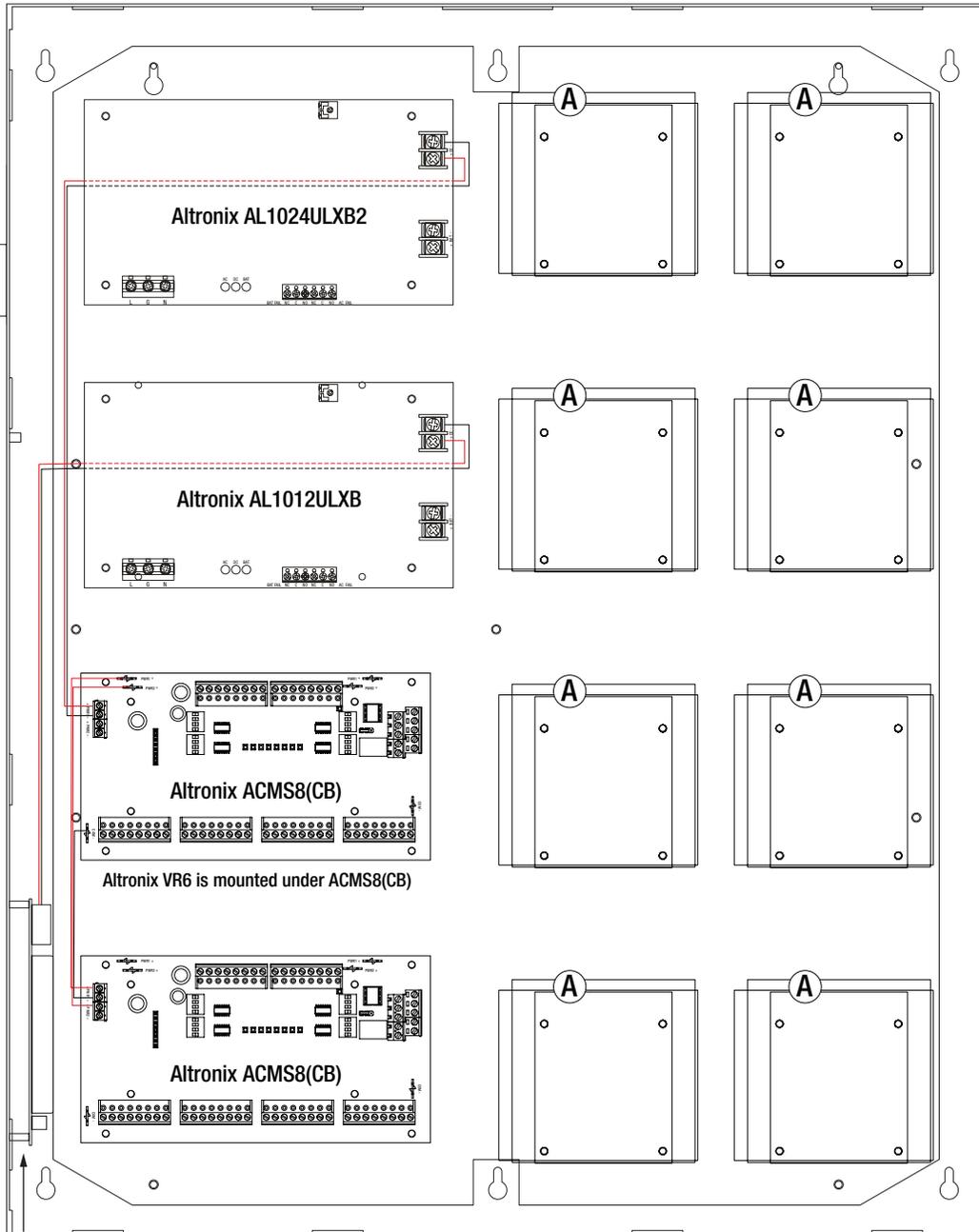
T2PDK7516S(D): Configuration of PDK Modules:

1. Fasten spacers onto metal pems configuration (A) of backplane (Fig. 2, pg. 3).
2. Position PDK modules over corresponding spacers and mount them utilizing pan head screws (provided) (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

PDK Access Controller	Pem Mounting
red1, red2, red4	(A)

Fig. 2



PD8UL(CB) is mounted on the left side wall of Trove2 enclosure

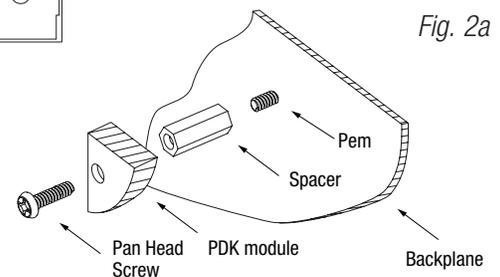


Fig. 2a

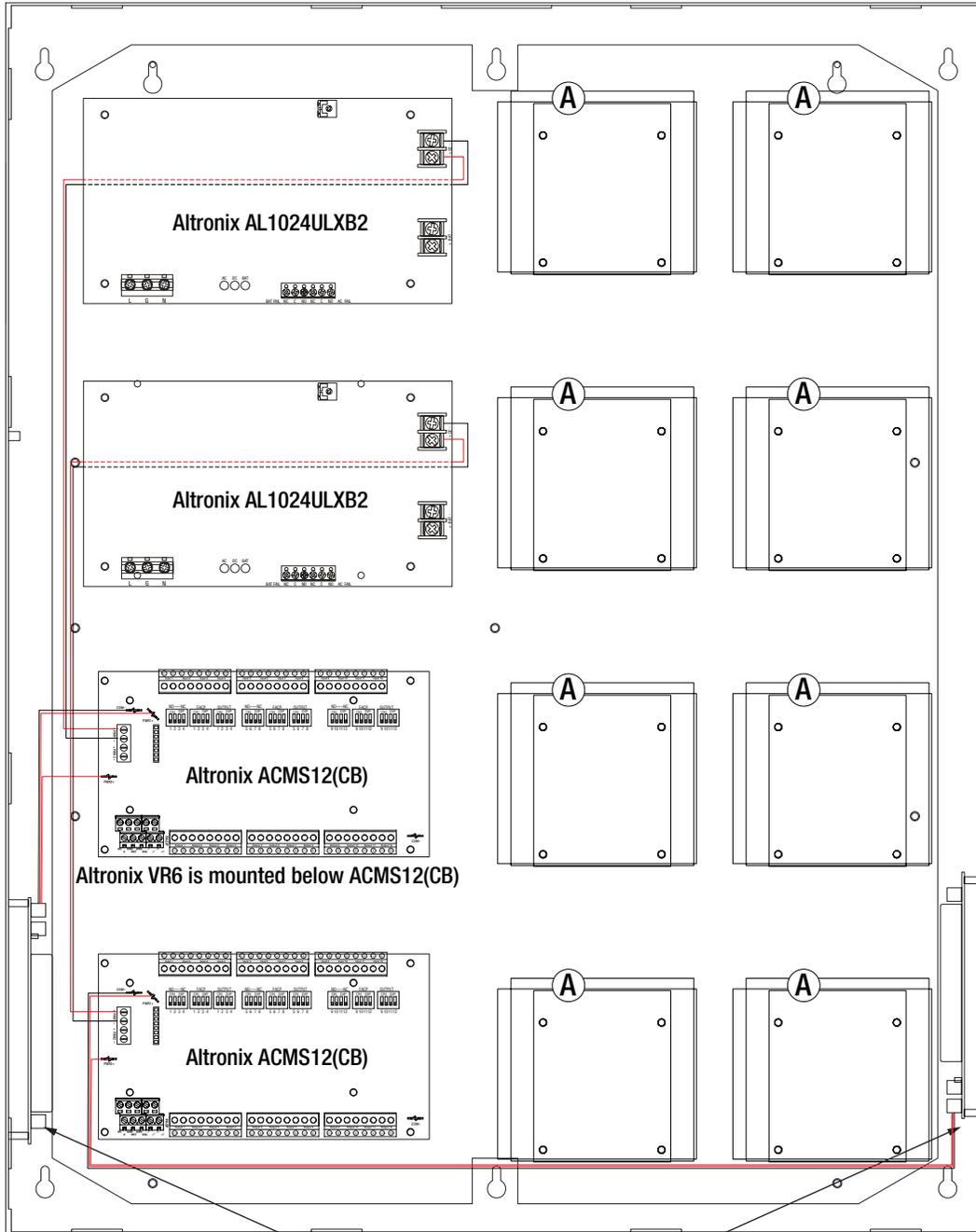
T2PDK7724S(D): Configuration of PDK Modules:

1. Fasten spacers onto metal pems configuration (A) of backplane (Fig. 3, pg. 4).
2. Position PDK modules over corresponding spacers and mount them utilizing pan head screws (provided) (Fig. 3a, pg. 4).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

PDK Access Controller	Pem Mounting
red1, red2, red4	(A)

Fig. 3



PDS8(CB)s are mounted to both sides of Trove2 enclosure

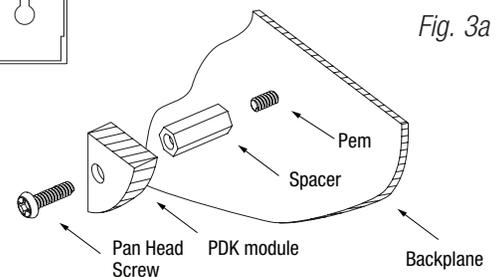
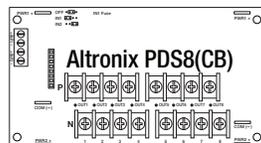


Fig. 3a

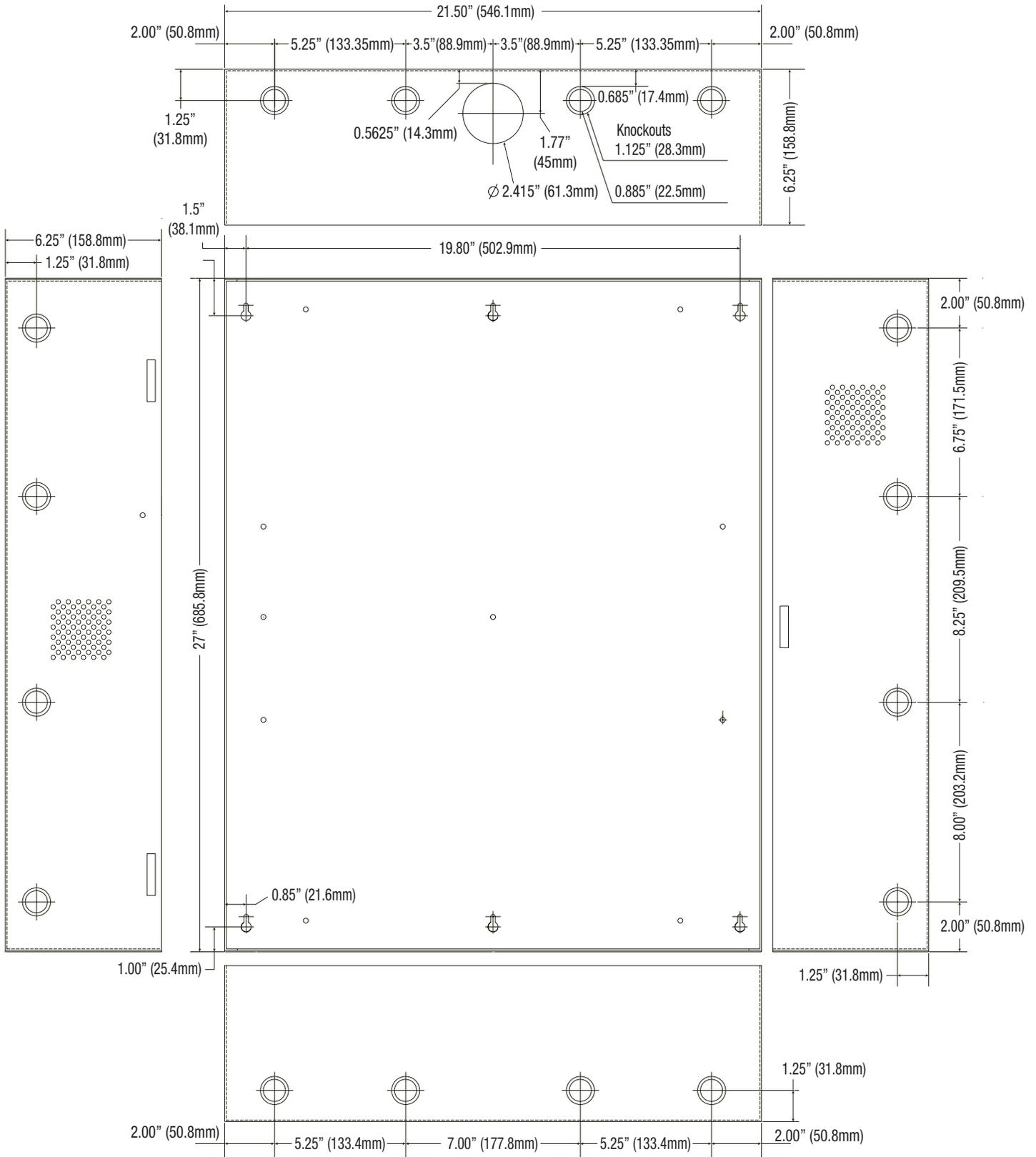
Notes:

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Enclosure Dimensions (H x W x D):

27.25" x 21.75" x 6.5" (692.15mm 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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 IITrove PDK ULXB Kits

B16W

