

# TRIVE™

Access & Power Integration

## Altronix/PDK Kits

### Models Include:

#### T2PDK75F16S

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (1) eFlow104NB - Power Supply/Charger
- (1) eFlow102NB - Power Supply/Charger
- (2) ACMS8 - Dual Input Fused Access Power Controllers
- (1) VR6 - Voltage Regulator
- (1) PD8UL - Fused Power Distribution Module

#### T2PDK77F24S

24 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (2) eFlow104NB - Power Supply/Chargers
- (2) ACMS12 - Dual Input Fused Access Power Controllers
- (2) VR6 - Voltage Regulators
- (2) PDS8 - Dual Input Fused Power Distribution Modules

#### T2PDK75F16SD

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (1) eFlow104NB - Power Supply/Charger
- (1) eFlow102NB - Power Supply/Charger
- (2) ACMS8CB - Dual Input PTC Access Power Controllers
- (1) VR6 - Voltage Regulator
- (1) PD8ULCB - PTC Power Distribution Module

#### T2PDK77F24SD

24 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPD2 Altronix/PDK backplane
- (2) eFlow104NB - 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. TPDK\_030223

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:

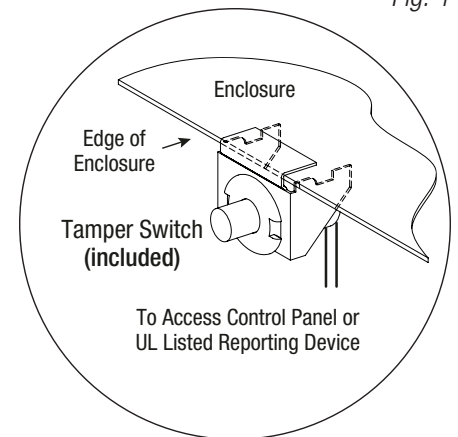
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB)/ACMS12(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure 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	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating	PD8UL(CB) Board Output Fuse (PTC) Rating
				Power Supply 1		Power Supply 2									
				[DC]	[Aux]	[DC]	[Aux]								
				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)								
T2PDK75F16S	8	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	12VDC @ 9.3A 24VDC @ 9.2A	16	2.5	15A/32V	3A/32V	-	-	3.5A/250V
T2PDK75F16SD		5A/250V		9A	2.5A	2.5A									
T2PDK77F24S	9	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	20.17-26.4	20.28-26.4	24VDC @ 9.2A	24	2.5	15A/32V	3A/32V	10A/32V	3A/32V	-
T2PDK77F24SD											9A	2.5A	9A	2.5A	-

## Installation Instructions:

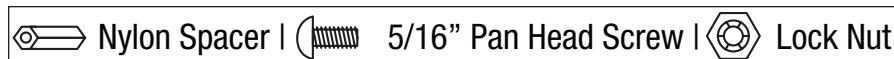
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

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. Mount PDK modules to TPD2 backplane, refer to *pg. 3, 4*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and eFlow102NB and corresponding *Sub-Assembly Installation Guides* for ACMS8(CB), ACMS12(CB), PDS8(CB), PD8UL(CB), VR6 for further installation instructions.

Fig. 1



## Hardware:



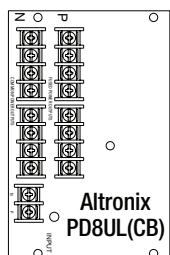
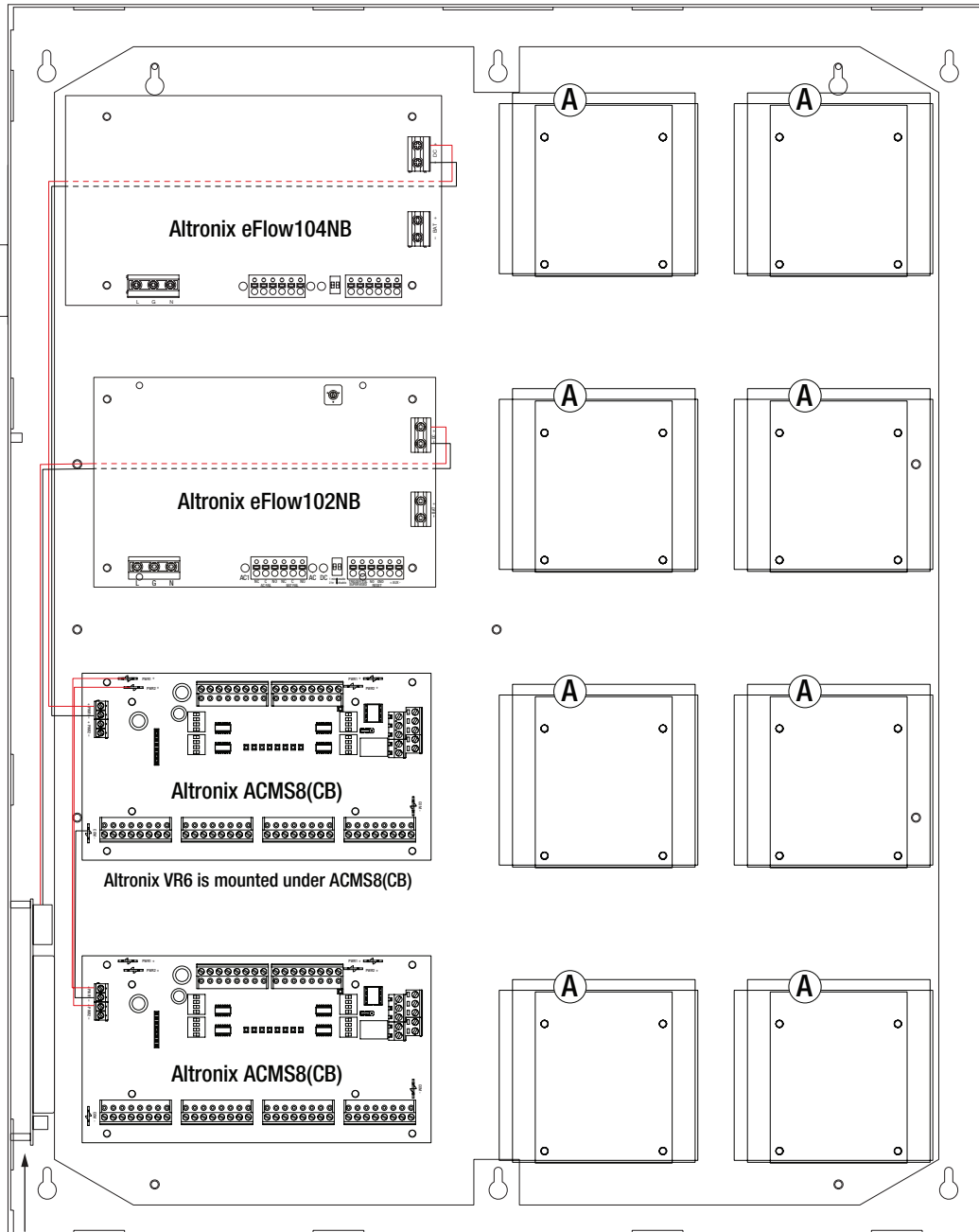
## T2PDK75F16S(D): Configuration of PDK Modules:

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

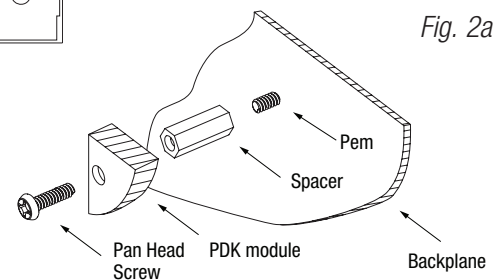


Fig. 2a

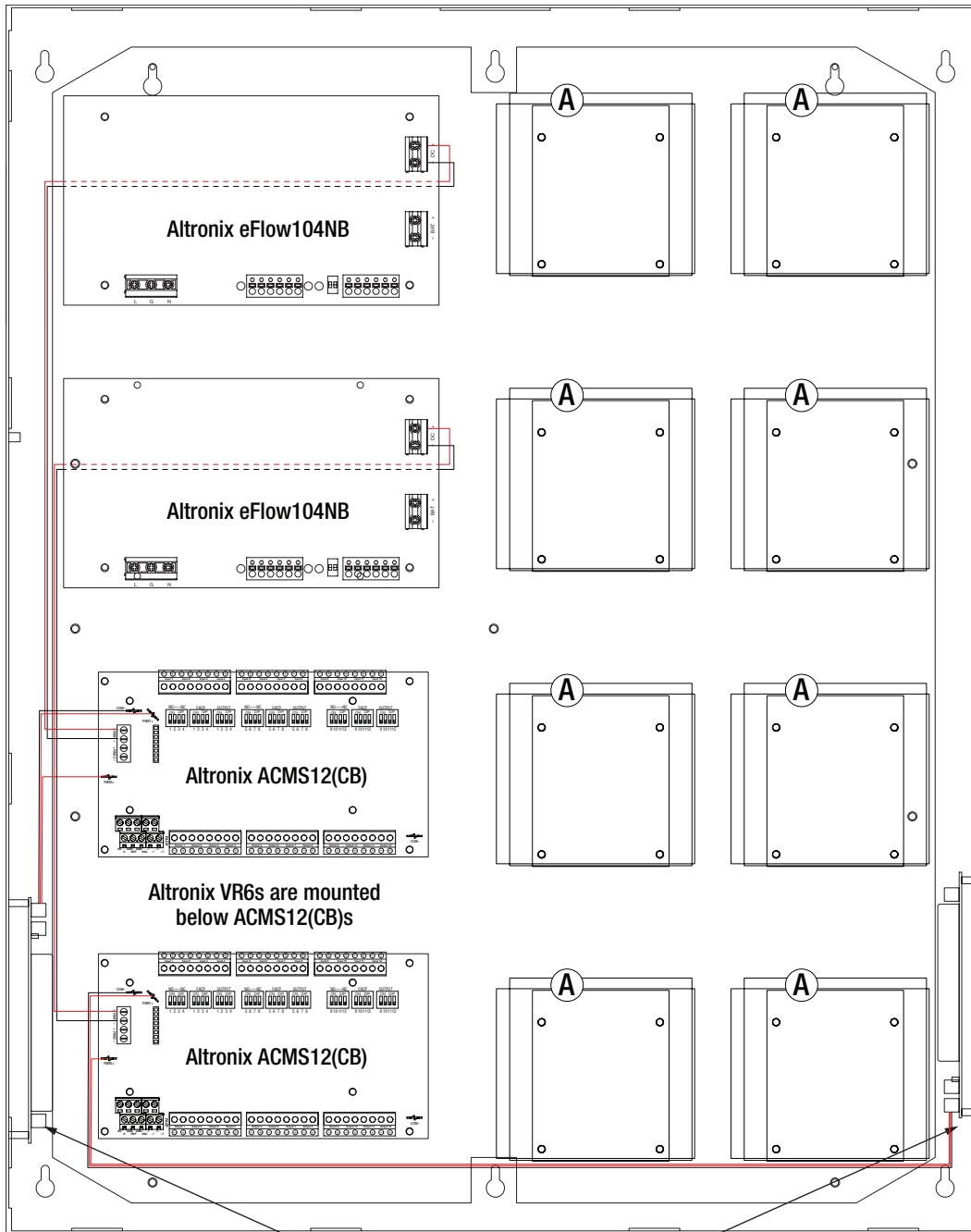
## T2PDK77F24S(D): Configuration of PDK Modules:

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

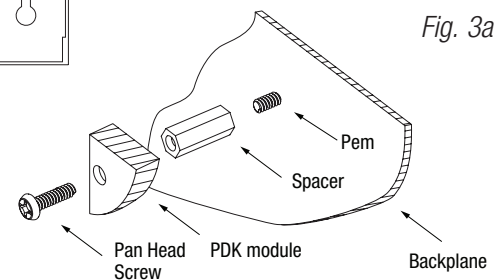
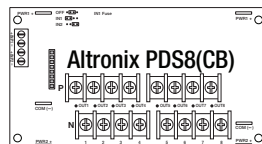


Fig. 3a

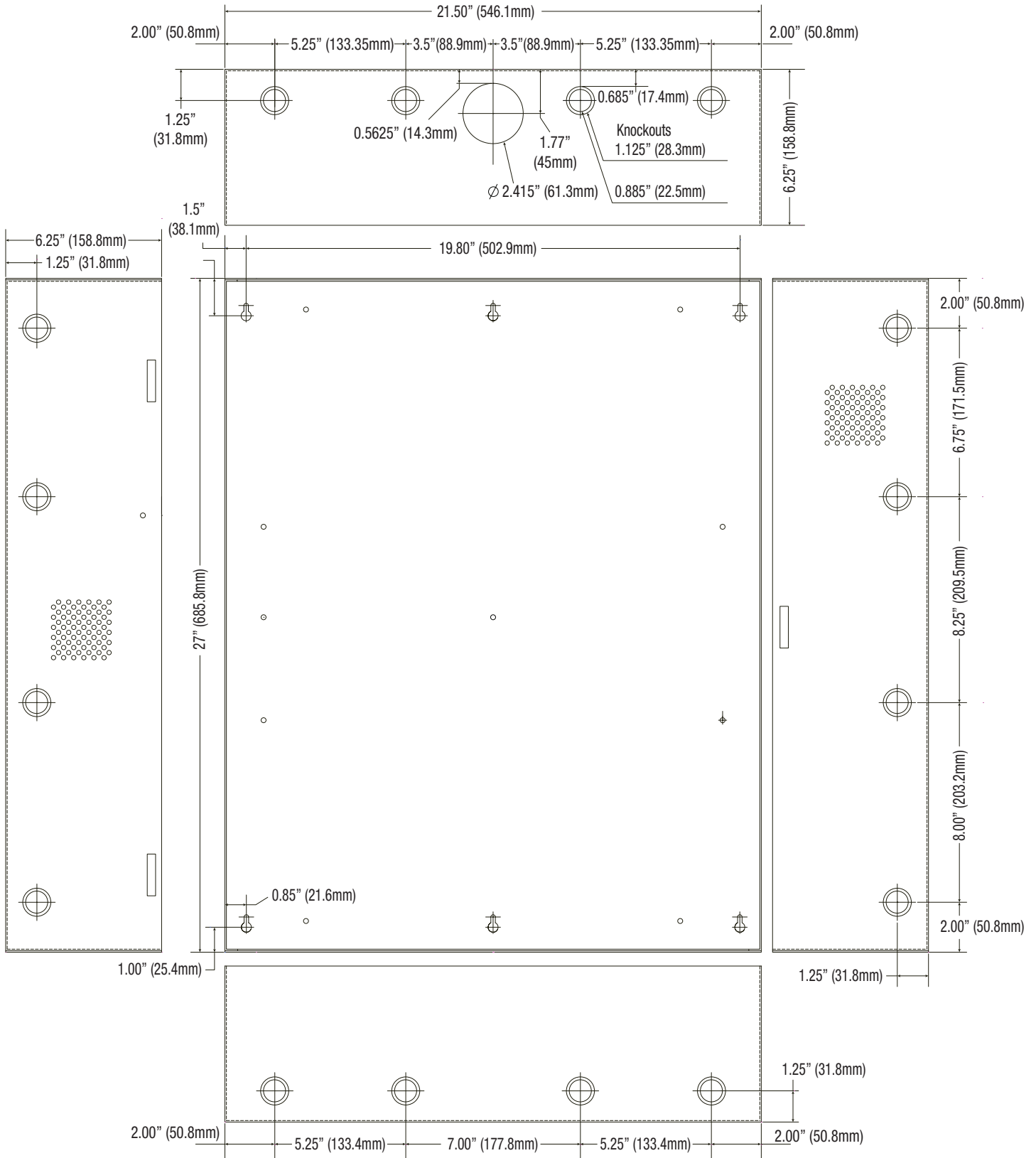
## Notes:

## Notes:

## Notes:

## 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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 website: [www.altronix.com](http://www.altronix.com) | e-mail: [info@altronix.com](mailto:info@altronix.com) | Lifetime Warranty  
 IITrove PDK eFlow Kits

C02W

