



Access & Power Integration

# Altronix/DMP 734/734N Wiegand Kits

## Models Include:

### T1DMK34

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TDM1 Altronix/DMP backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

### T2DMK78

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDM2 Altronix/DMP backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

### T1DMK34D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TDM1 Altronix/DMP backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

### T2DMK78D

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDM2 Altronix/DMP backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

All components of these Trove kits 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. TDMKL\_122121



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Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

Altronix T1DMK34(D) and T2DMK78(D) Trove DMP kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies.

T1DMK34(D) accommodates up to four (4) DMP 734/734N Wiegand modules for up to four (4) doors in a single enclosure.

T2DMK78(D) accommodates up to eight (8) DMP 734/734N Wiegand modules for up to eight (8) doors in a single enclosure.

## Configuration Chart:

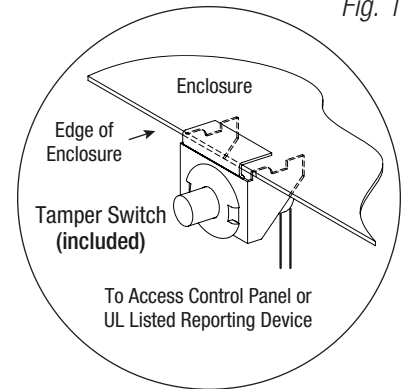
Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controllers' outputs	Nominal DC Output Voltage Range (VDC)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fused Outputs	ACM8(CB) Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACM8CB Board Output PTC Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating	PDS8CB Board Input PTC Rating	PDS8CB Board Output PTC Rating
T1DMK34	3.5	5A/250V	N/A	24VDC @ 5.7A	20.17-26.4	-	8	-	-	-	10A/32V	3A/32V	-	-
T1DMK34D											-	-	9A	2A
T2DMK78	4.2	5A/250V	15A/32V	24VDC @ 9.4A	8	8	10A/250V	2.5A/250V	-	10A/32V	3A/32V	-	-	
T2DMK78D								-	2.5A	-	-	9A	2A	

## 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 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. Mount DMP 734/734N Wiegand modules to backplane, refer to *pages 3, 4*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB, AL1024ULXB2 and corresponding *Sub-Assembly Installation Guides* for ACM8(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1



## Hardware:

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

## T1DMK34(D): Configuration of DMP 734/734N Wiegand Modules:

1. Fasten spacers (provided) to pems that match the hole pattern for DMP Wiegand Modules (*Fig. 2, pg. 3*).
2. Mount DMP 734/734N modules into the correct positions (*Fig. 2, pg. 3*):
  - a. Remove DMP 734/734N board from the plastic housing. Use the base part of the housing to mount onto TDM1 (*Fig. 2a, 2b, pg. 3*).
  - b. Secure the base of DMP 734/734N to the spacers using provided 5/16" pan head screws.
  - c. Make all necessary connections before reassembling DMP 734/734N Wiegand modules.
3. Fasten TDM1 backplane to Trove1 enclosure utilizing hardware (provided).

Fig. 2 - T1DMK34(D) Configuration

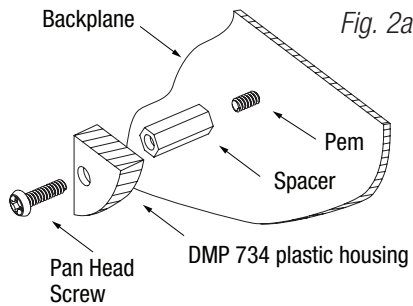
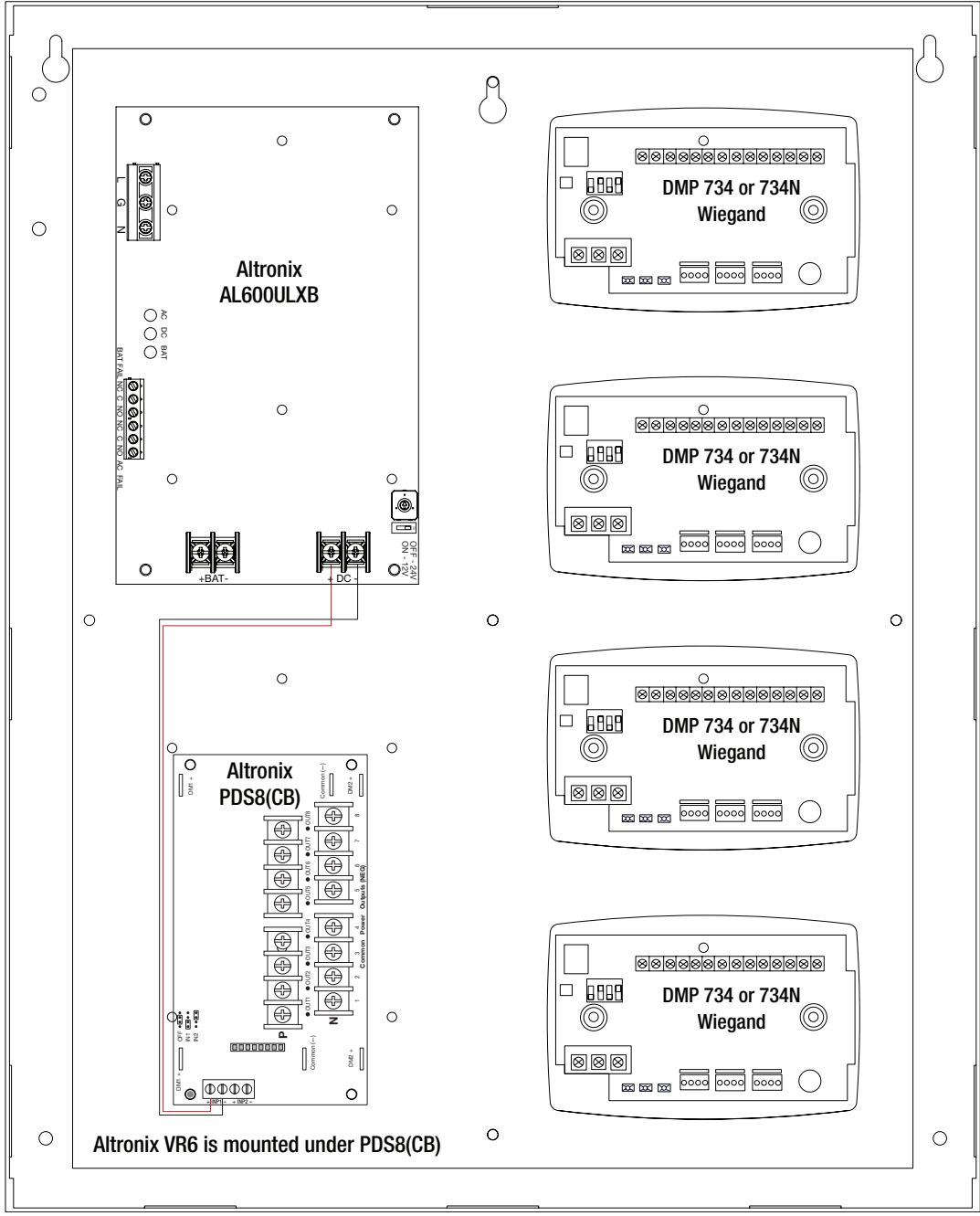


Fig. 2a

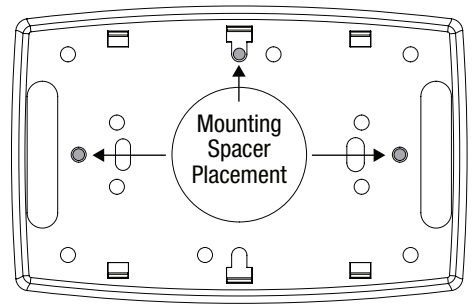


Fig. 2b

## T2DMK78(D): Configuration of DMP 734/734N Wiegand Modules:

1. Fasten spacers (provided) to pems that match the hole pattern for DMP 734/734N Wiegand Modules (Fig. 3, pg. 4).
2. Mount DMP 734/734N modules into the correct positions (Fig. 3, pg. 4):
  - a. Remove DMP 734/734N board from the plastic housing. Use the base part of the housing to mount onto TDM2 (Fig. 3a, 3b, pg. 4).
  - b. Secure the base of DMP 734/734N to the spacers using provided 5/16" pan head screws.
  - c. Make all necessary connections before reassembling DMP 734/734N Wiegand modules.
3. Fasten TDM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 3 - T2DMK78(D): Configuration

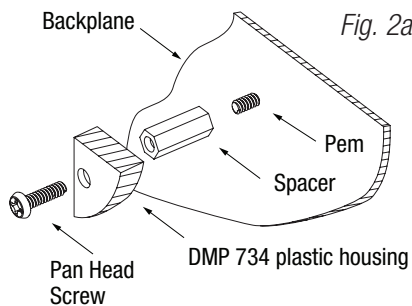
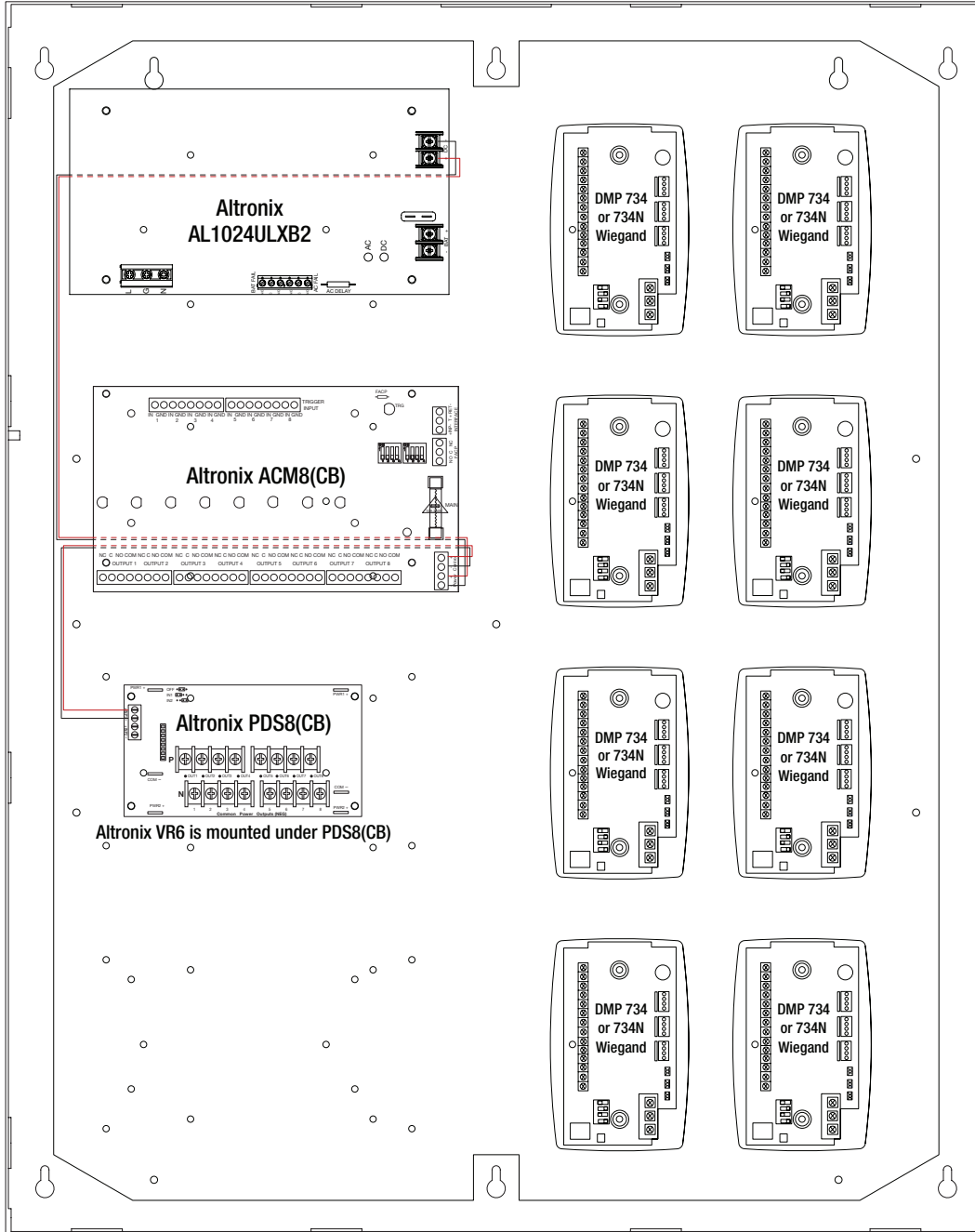


Fig. 2a

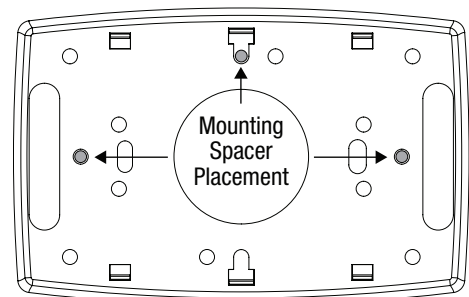


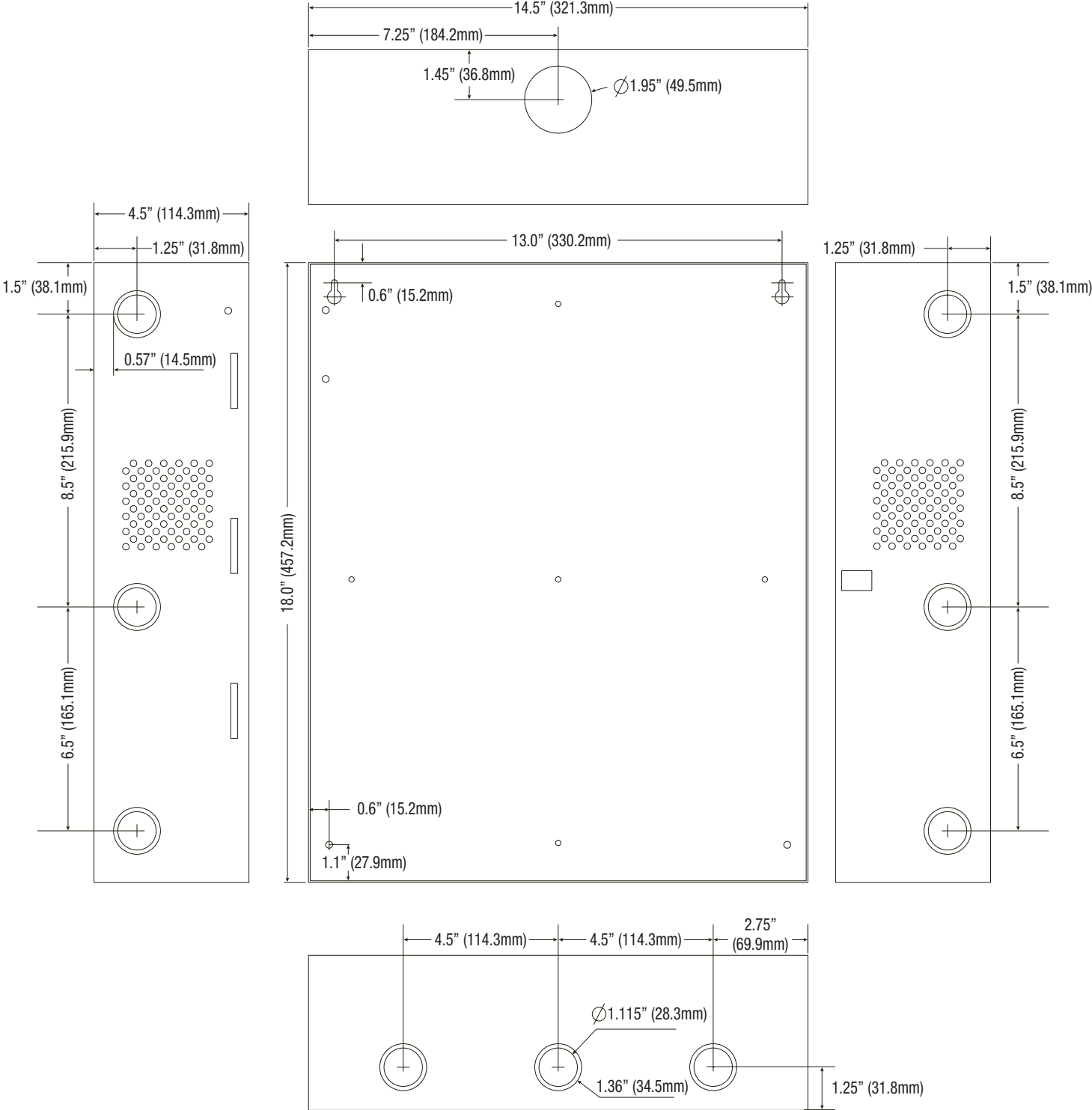
Fig. 2b

## Notes:

## Notes:

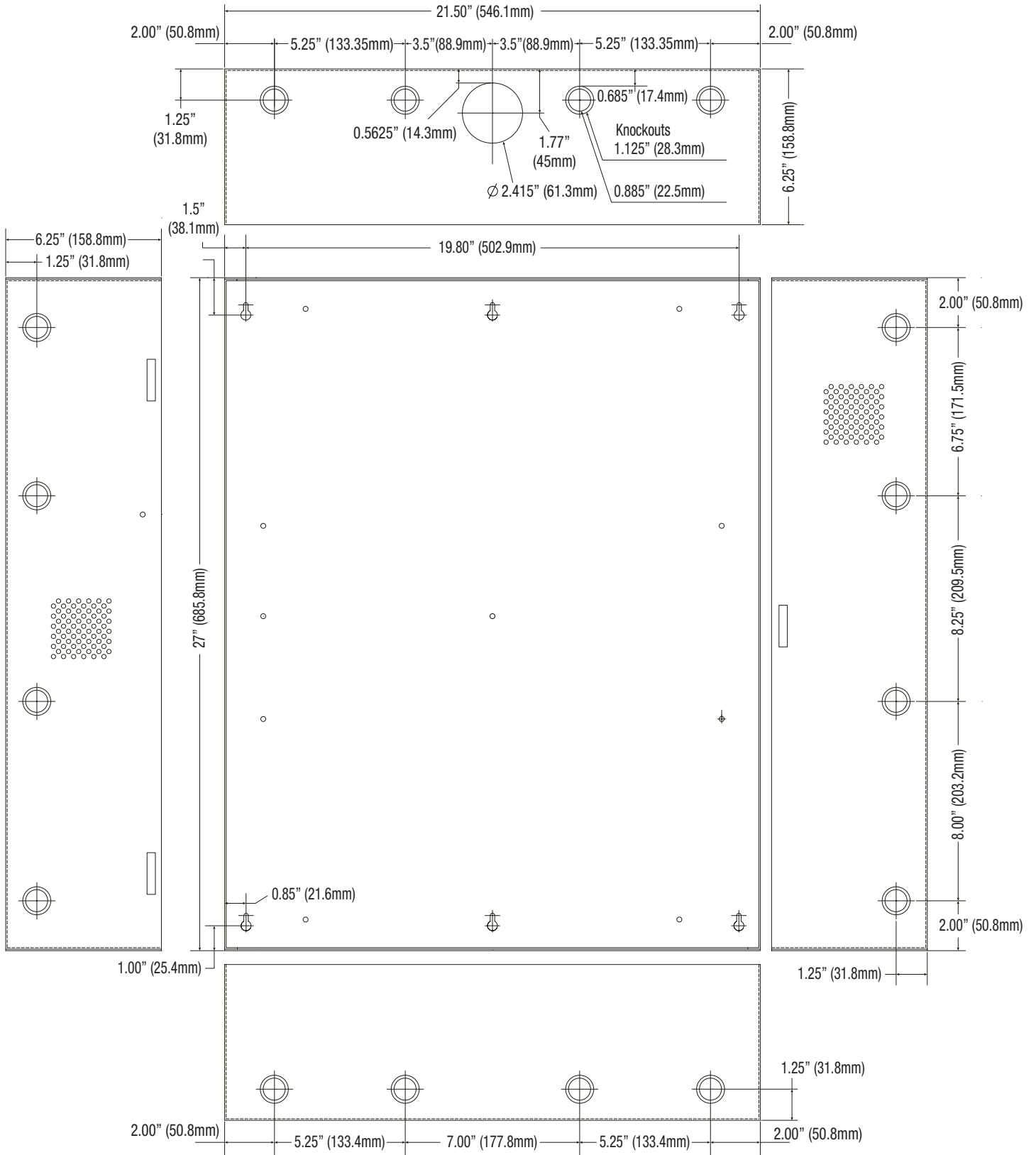
**T1DMK34 Enclosure Dimensions (H x W x D approximate):**

18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



## T2DMK78 Enclosure Dimensions (H x W x D):

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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