TROVE™

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

T2DMK7516

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDM2 Altronix/DMP backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACM8 - Fused Access Power Controllers
- Two (2) PD8UL - Fused Power Distribution Modules

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

T2DMK7516D

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDM2 Altronix/DMP backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACM8CB - PTC Access Power Controllers
- Two (2) PD8ULCB - PTC Power Distribution Modules

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

CE

Altronix®

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Rev. TDMKL_020226

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) and T2DMK758(D) accommodates up to eight (8) DMP 734/734N Wiegand modules for up to eight (8) doors in a single enclosure.

Configuration Chart:

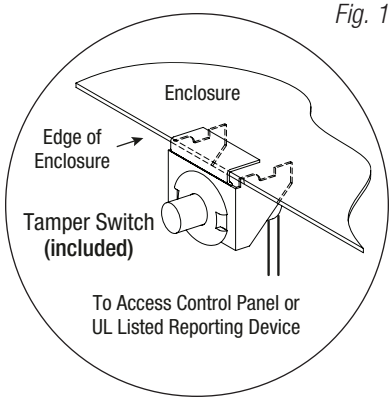
Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controllers' outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Additional Fused (PTC) Outputs	ACM8(CB) Board Input Fuse Rating	ACM8(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
T1DMK34	3.5	5A/ 250V	N/A	24VDC @ 5.7A	–	8	–	–	10A/ 32V	3A/ 32V	–
T1DMK34D									9A	2.5A	–
T2DMK78	4.2	5A/ 250V	15A/ 32V	24VDC @ 9.4A	8		10A/ 250V	3.5A/ 250V	10A/ 32V	3A/ 32V	–
T2DMK78D								2.5A	9A	2.5A	–
T2DMK758	6.8	5A/ 250V	15A/ 32V	24VDC @ 9.4A	8		10A/ 250V	3.5A/ 250V			3.5A/ 250V
T2DMK758D								2.5A			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 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.

Fig. 1



4. Connect unswitched AC power (115VAC 60Hz) to terminals marked [L, N] or RSB2. 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 DMP 734/734N Wiegand modules to backplane, refer to *pages 3, 4*.
7. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB, AL1012ULXB, AL1024ULXB2 and corresponding *Sub-Assembly Installation Guides* for ACM8(CB), PDS8(CB), PD8UL(CB) and VR6 for further installation instructions.

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 Wiegland modules.
3. Fasten TDM1 backplane to Trove1 enclosure utilizing hardware (provided).

Fig. 2 - **T1DMK34(D) Configuration**

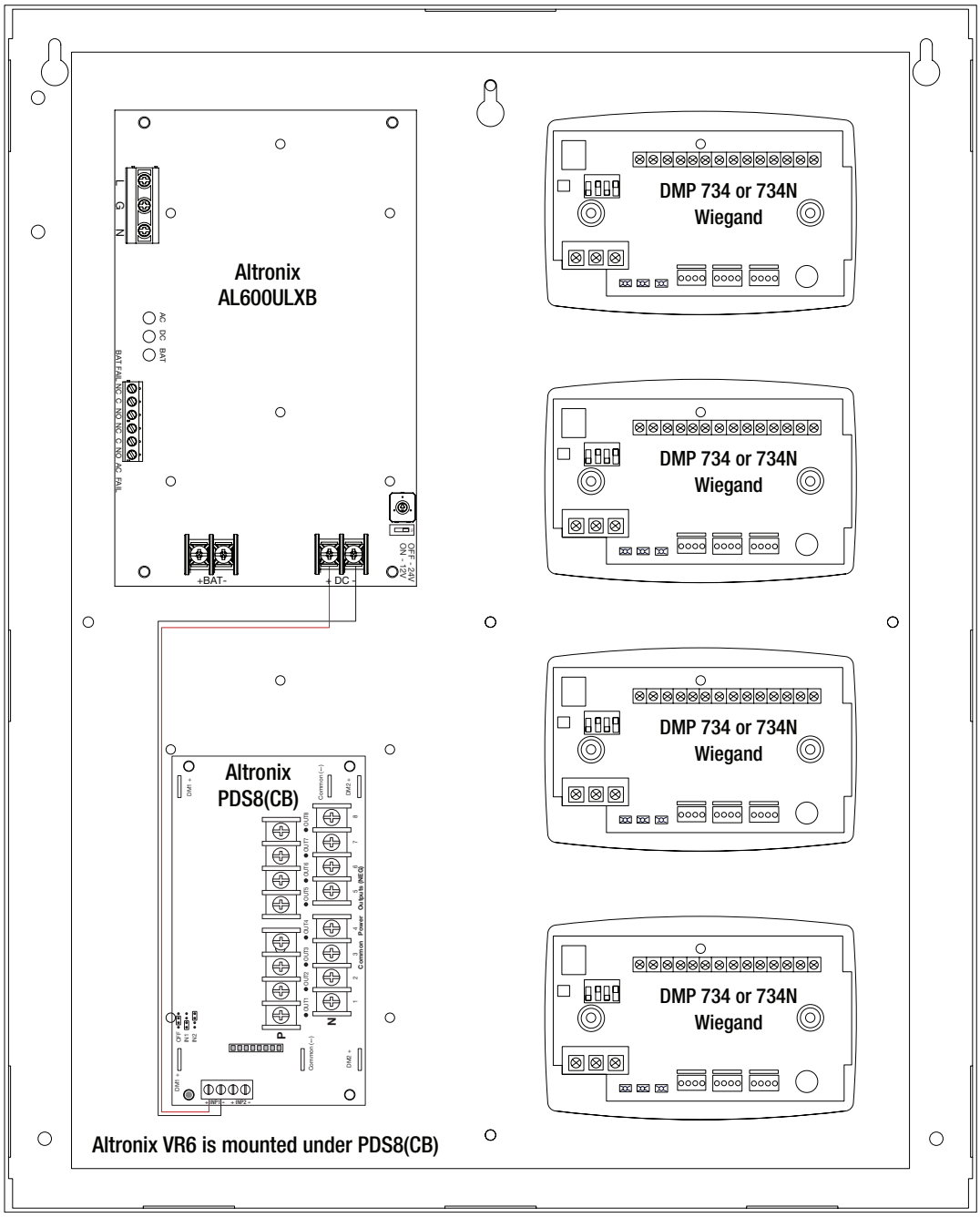


Fig. 2a

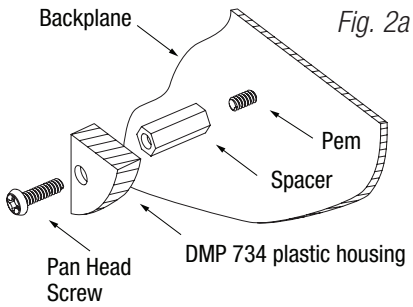
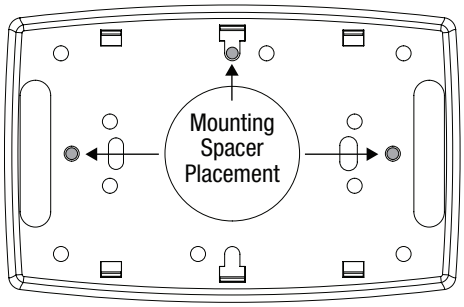


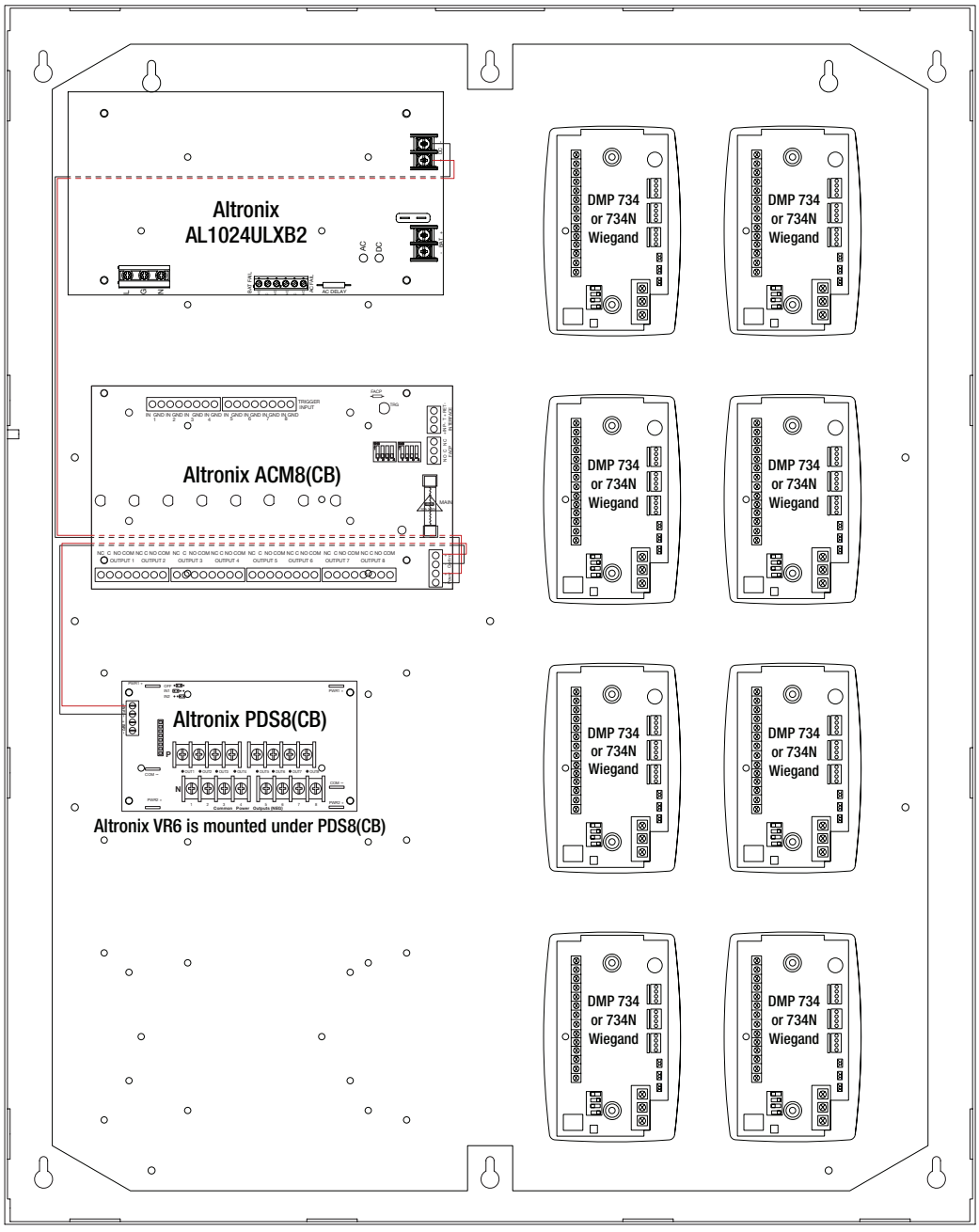
Fig. 2b



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 Wiegland modules.
3. Fasten TDM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 3 - **T2DMK78(D): Configuration**



Installing DMP X1 and XD Modules:

1. Remove backplane from Trove2 enclosure, fasten ten (1) 6-32 - 5/8" Metal Standoffs to Trove2 studs.
2. Fasten 6-32 - 5/8" Nylon Standoffs to backplane by inserting 6-32 - 5/16" pan head screw through backplane in the proper positions *(Fig 4a, pg. 4)*.
3. Mount boards to spacers utilizing 5/16" pan head screws (provided) *(Fig 4a, pg. 4)*.
5. Mount DMP X1/XD modules into the correct positions, using provided 5/16" pan head screws.
4. Fasten TDM2 backplane to Trove2 enclosure utilizing pan head screws (provided).

Fig. 4a

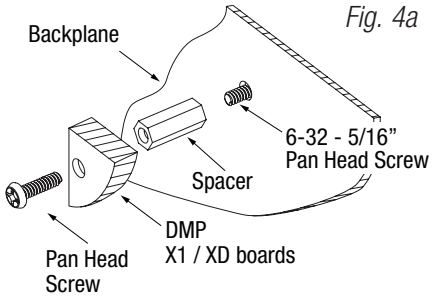


Fig. 3a

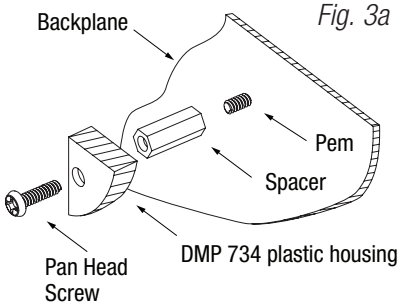
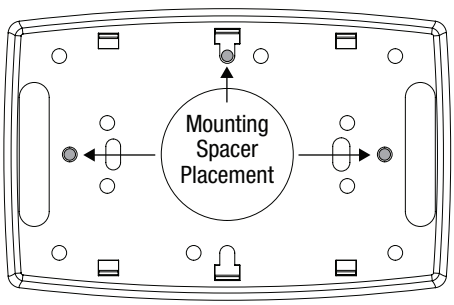


Fig. 3b



T2DMK7516(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. 4, pg. 5)*.
2. Mount DMP 734/734N modules into the correct positions *(Fig. 4, pg. 5)*:
   a. Remove DMP 734/734N board from the plastic housing. Use the base part of the housing to mount onto TDM2 *(Fig. 4a, 4b, pg. 5)*.
   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 Wiegland modules.
3. Fasten TDM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 4 - **T2DMK7516(D): Configuration**

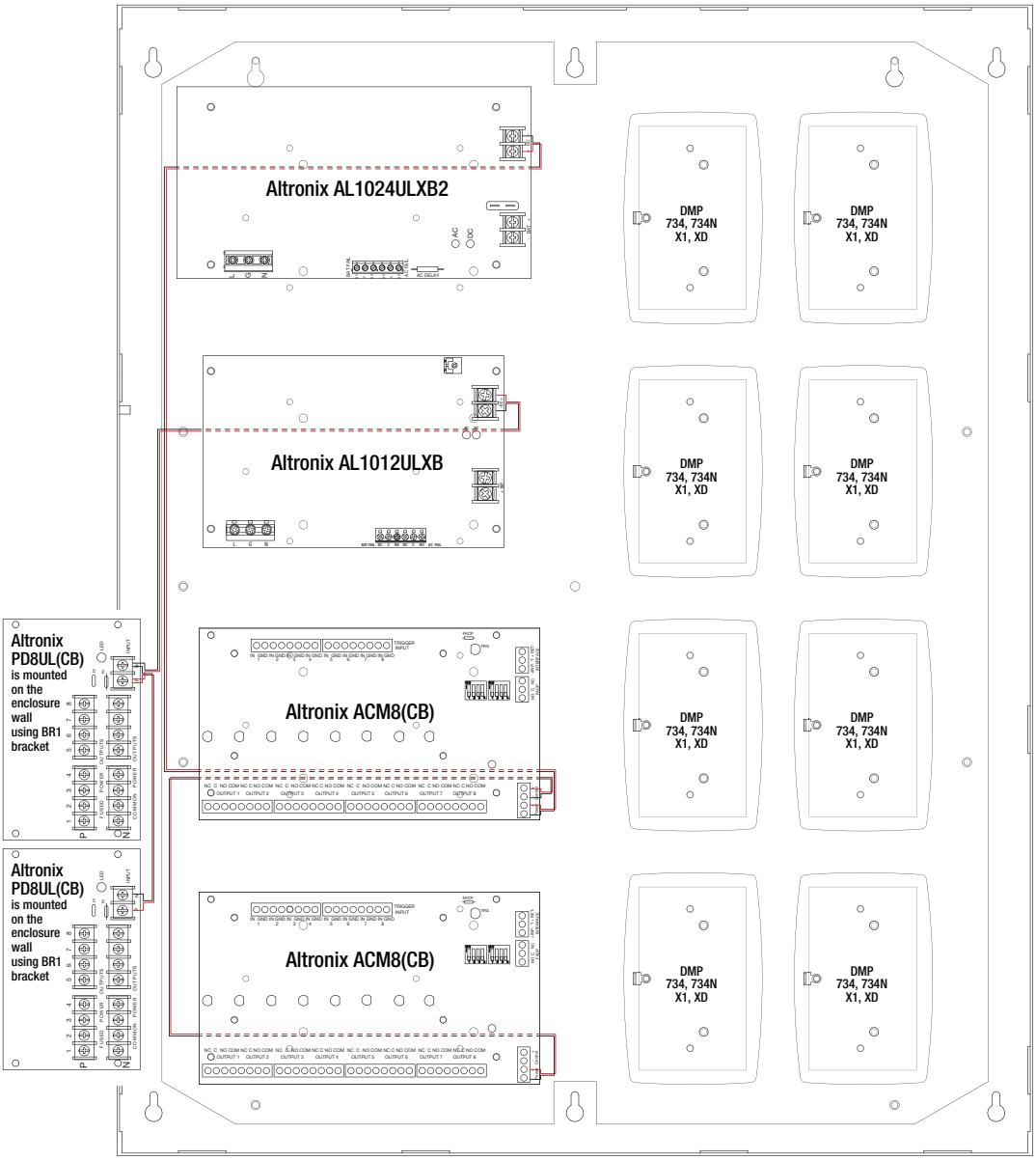


Fig. 3a

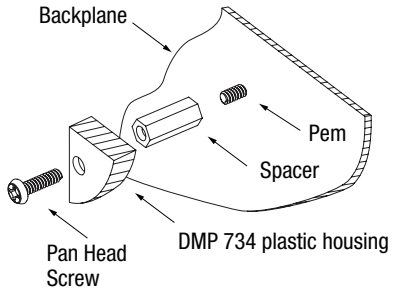
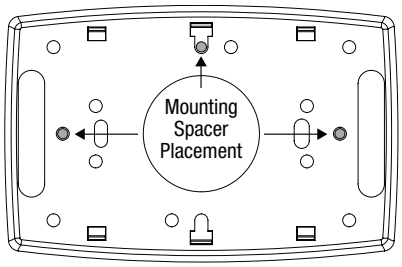


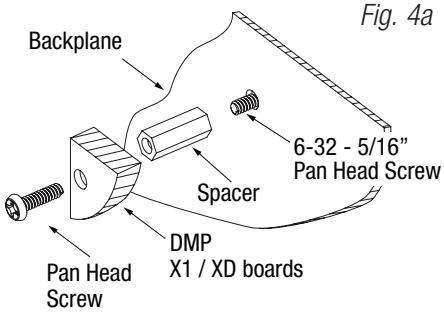
Fig. 3b



Installing DMP X1 and XD Modules:

1. Remove backplane from Trove2 enclosure, fasten ten (1) 6-32 - 5/8" Metal Standoffs to Trove2 studs.
2. Fasten 6-32 - 5/8" Nylon Standoffs to backplane by inserting 6-32 - 5/16" pan head screw through backplane in the proper positions *(Fig 4a, pg. 5)*.
3. Mount boards to spacers utilizing 5/16" pan head screws (provided) *(Fig 4a, pg. 5)*.
5. Mount DMP X1/XD modules into the correct positions, using provided 5/16" pan head screws.
4. Fasten TDM2 backplane to Trove2 enclosure utilizing pan head screws (provided).

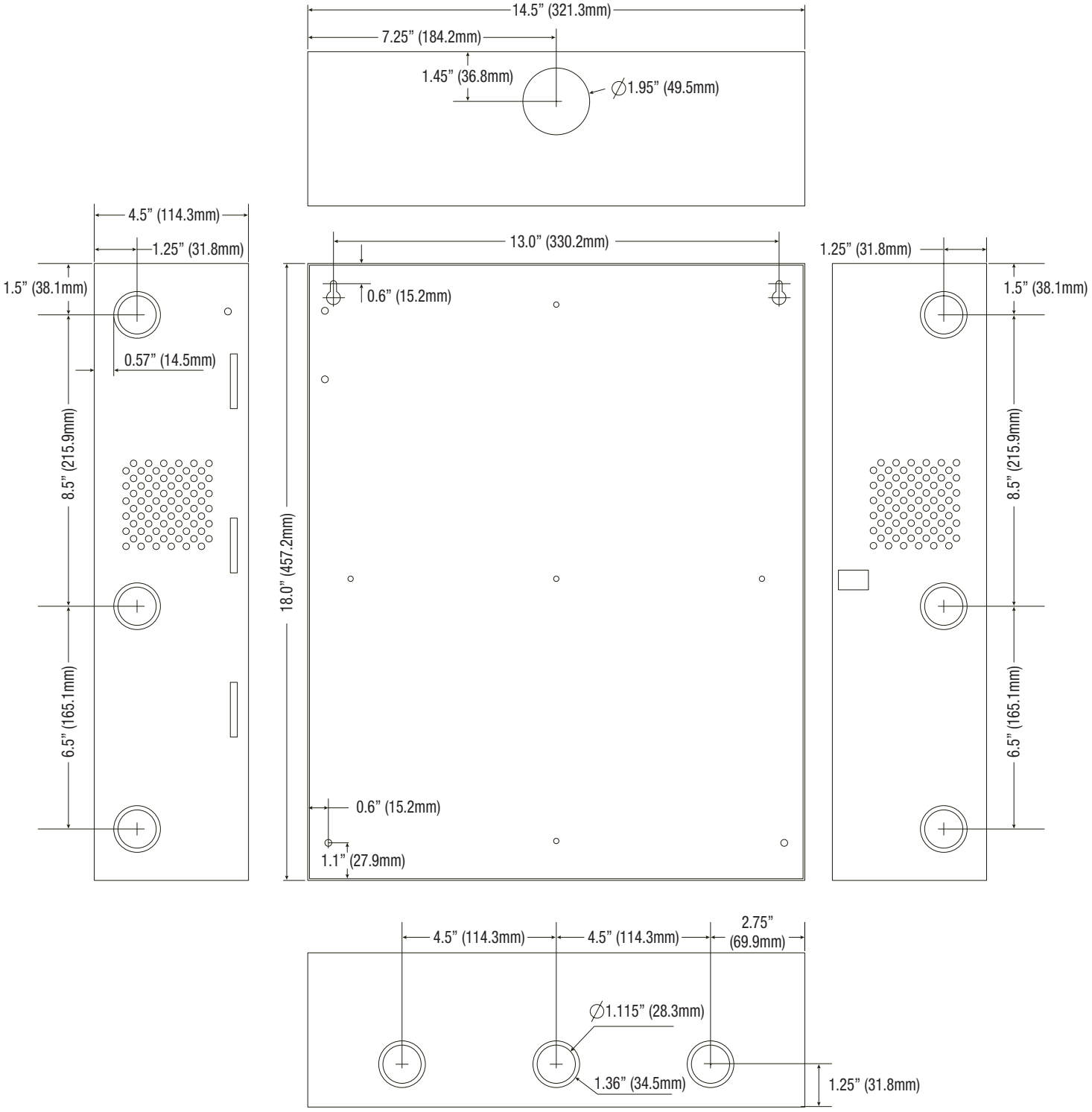
Fig. 4a

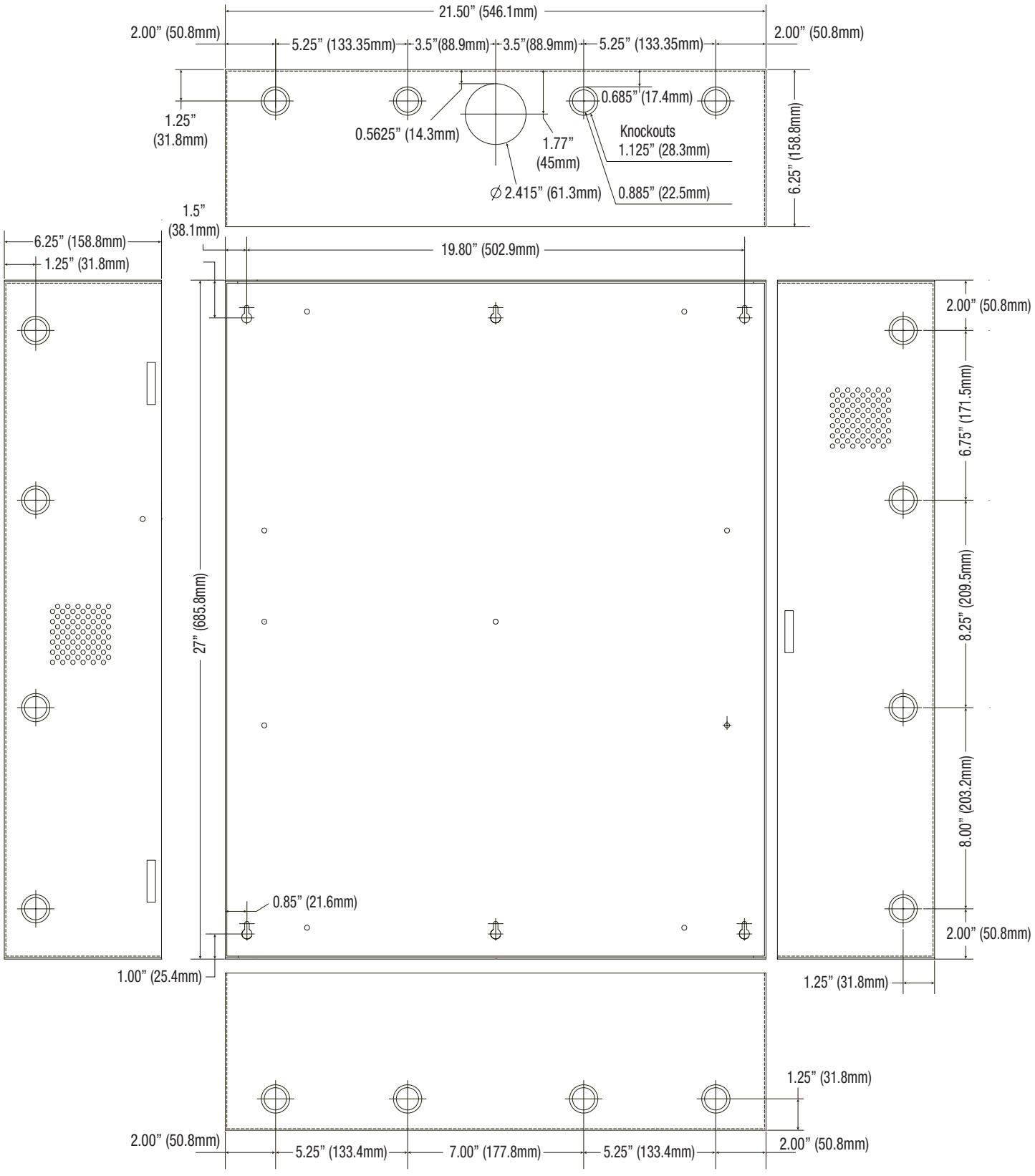


Notes:

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

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



T2DMK78(D) and T2DMK758(D) Enclosure Dimensions (H x W x D):

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