TROVE™

Access & Power Integration

Altronix/LiftMaster Kits

Models Include:

TLM400K1

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- TM400 enclosure
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) NetWay5P - PoE+ Hardened Switch
- One (1) LMBK2 - LiftMaster CAP2D Mounting Bracket

T2LMK7F8N

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) NetWay5P - PoE+ Hardened Switch
- Two (2) LMBK2 - LiftMaster CAP2D Mounting Brackets

T3LMK77F16N

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS8 - Dual Input Fused Power Distribution Modules
- Two (2) NetWay5P - PoE+ Hardened Switches
- Four (4) LMBK2 - LiftMaster CAP2D Mounting Brackets

TLM400K1D

4 Door PTC with Fused Outputs

Fully assembled kit includes:

- TM400 enclosure
- One (1) eFlow4NB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) NetWay5P - PoE+ Hardened Switch
- One (1) LMBK2 - LiftMaster CAP2D Mounting Bracket

T2LMK7F8ND

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) NetWay5P - PoE+ Hardened Switch
- Two (2) LMBK2 - LiftMaster CAP2D Mounting Brackets

T3LMK77F16ND

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TM3 backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS8CB - Dual Input PTC Power Distribution Modules
- Two (2) NetWay5P - PoE+ Hardened Switches
- Four (4) LMBK2 - LiftMaster CAP2D Mounting Brackets

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

Installation Guide

CE

Altronix®

More than just power.™

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Rev. TLMK_080224

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Trove LiftMaster kits are pre-assembled and consists of Trove enclosures/backplanes with factory installed Altronix sub-assemblies. These kits also accommodate LiftMaster CAP2D for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

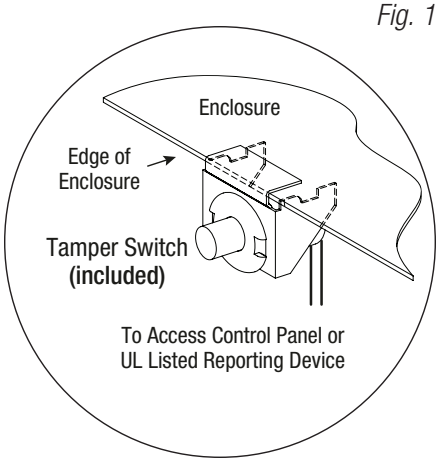
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4(CB)/ACMS8(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACM4(CB) orACMS8(CB) Output (A)	ACM4(CB)/ACMS8(CB) Board Input Fuse (PTC) Rating	ACM4(CB)/ACMS8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating	NetWay5P Ports
				Power Supply 1		Power Supply 2									
				[DC]	[Aux]	[DC]	[Aux]								
				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)								
TLM400K1	3.5	5A/ 250V	7.5A/ 32V	20.17-26.4	20.28-26.4	–	–	24VDC @ 9.2A	4	2.5	10A/ 32V	3A/ 32V	–	–	Four (4) PoE/ PoE+ Ports
TLM400K1D						–	–				9A	2.5A	–	–	
T2LMK7F8N	4.5	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	–	–	24VDC @ 9.4A	8	2.5	15A/ 32V	3A/ 32V	10A/ 32V	3A/ 32V	Four (4) PoE/ PoE+ Ports
T2LMK7F8ND						–	–				9A	2.5A	9A	2.5A	
T3LMK77F16N	9	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	20.17-26.4	20.28-26.4	24VDC @ 9.4A	16	2.5	15A/ 32V	3A/ 32V	10A/ 32V	3A/ 32V	Eight (8) PoE/ PoE+ Ports
T3LMK77F16ND											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.

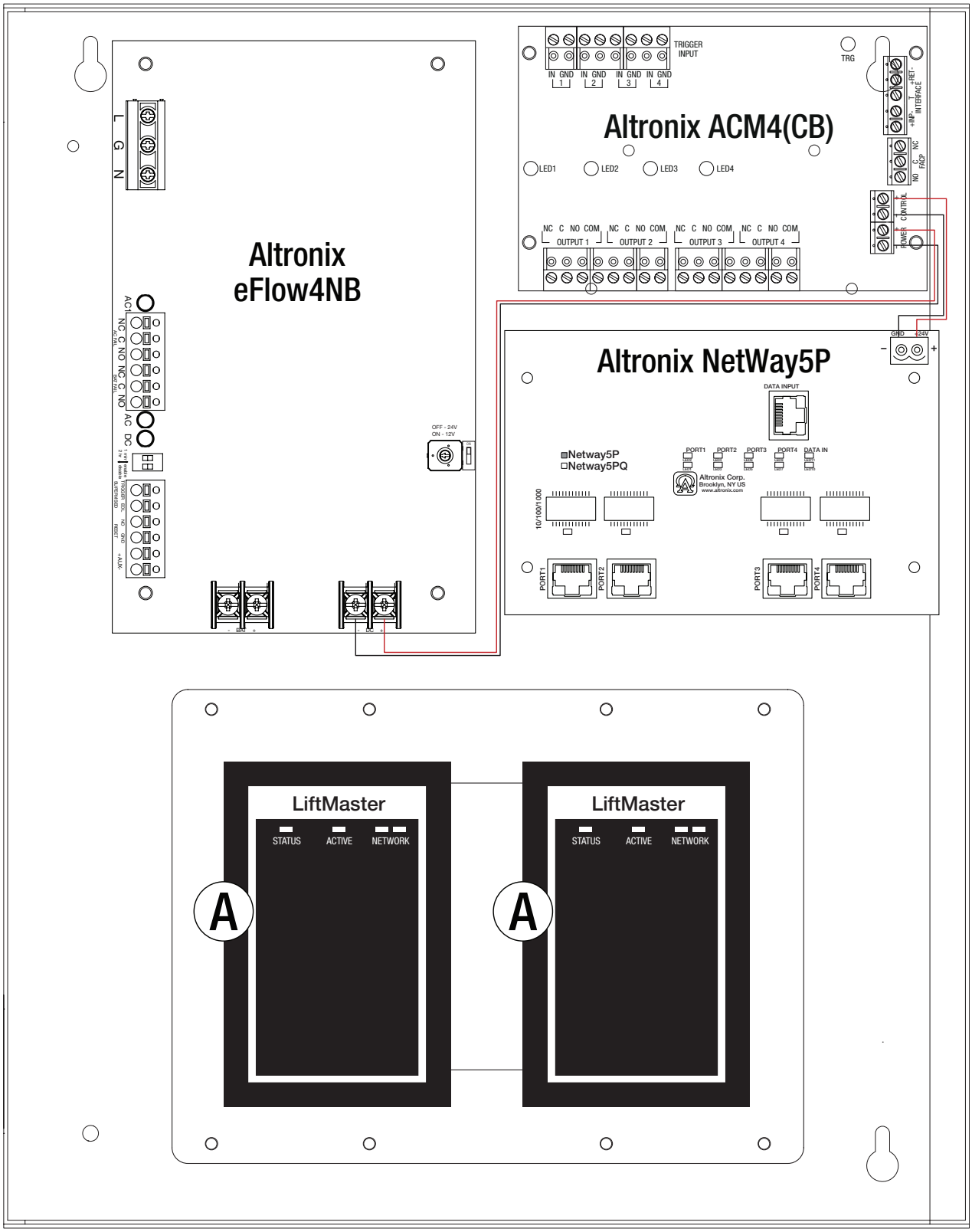
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the two/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 LiftMaster access controller modules onto LMBK2 Mounting Brackets, refer to *pg. 3-5*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow4NB and eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACMS8(CB), ACM4(CB), PDS8(CB), VR6 and NetWay5P for further installation instructions.

Fig. 1



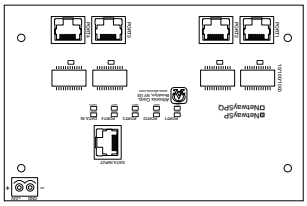
TLM400K1(D): Configuration of LiftMaster Modules:

1. Remove factory installed LMBK2 Mounting Brackets. Do not discard metal spacers.
2. Mount LiftMaster CAP2D onto LMBK2 Mounting Brackets.
3. Mount LMBK2 onto enclosure with metal spacers.

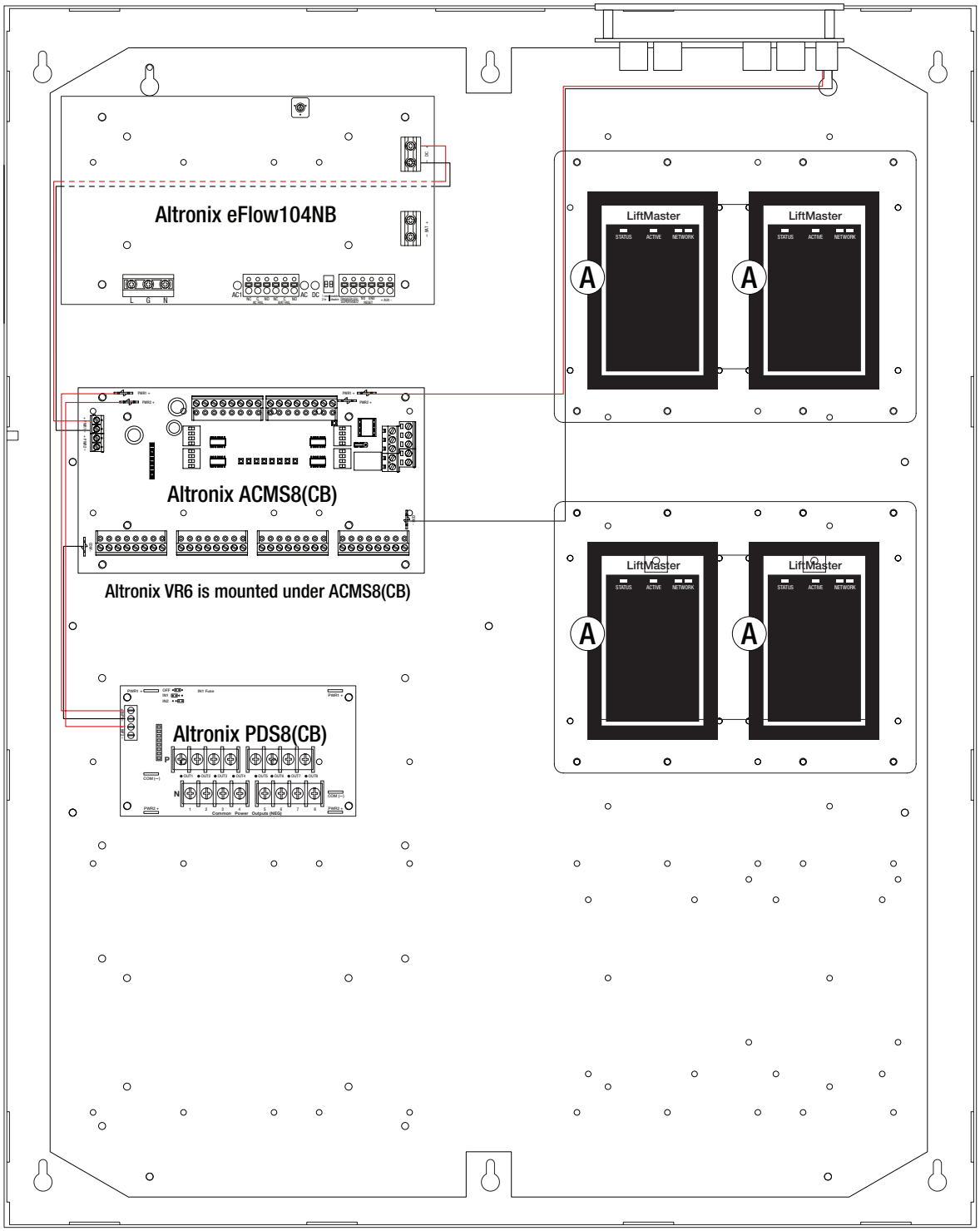


T2LMK7F8N(D): Configuration of LiftMaster Modules:

1. Remove factory installed LMBK2 Mounting Brackets. Do not discard metal spacers.
2. Mount LiftMaster CAP2D onto LMBK2 Mounting Brackets.
3. Mount LMBK2 onto backplane with metal spacers.
3. Mount backplane to enclosure with hardware.

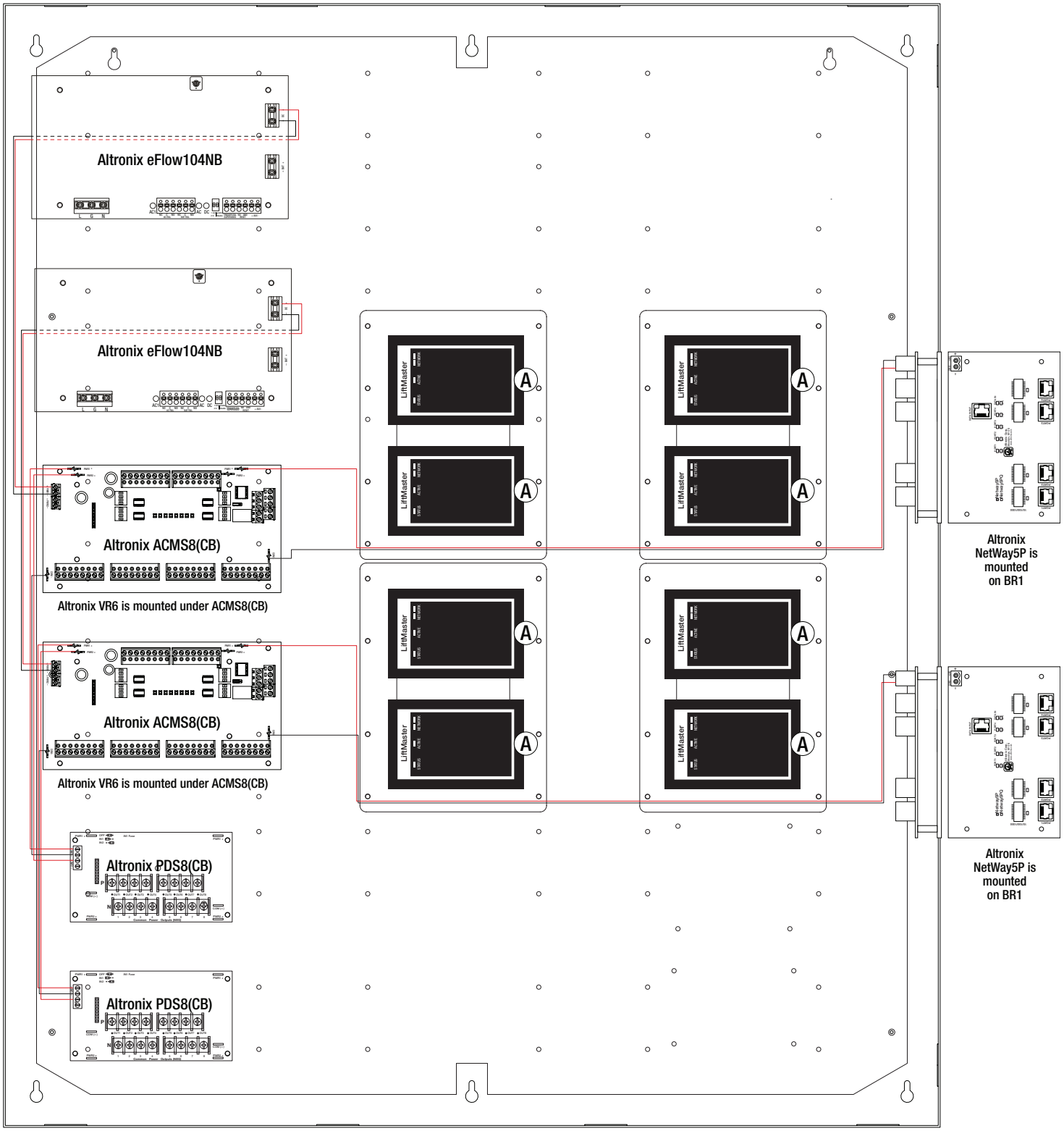


Altronix NetWay5P is mounted on BR1



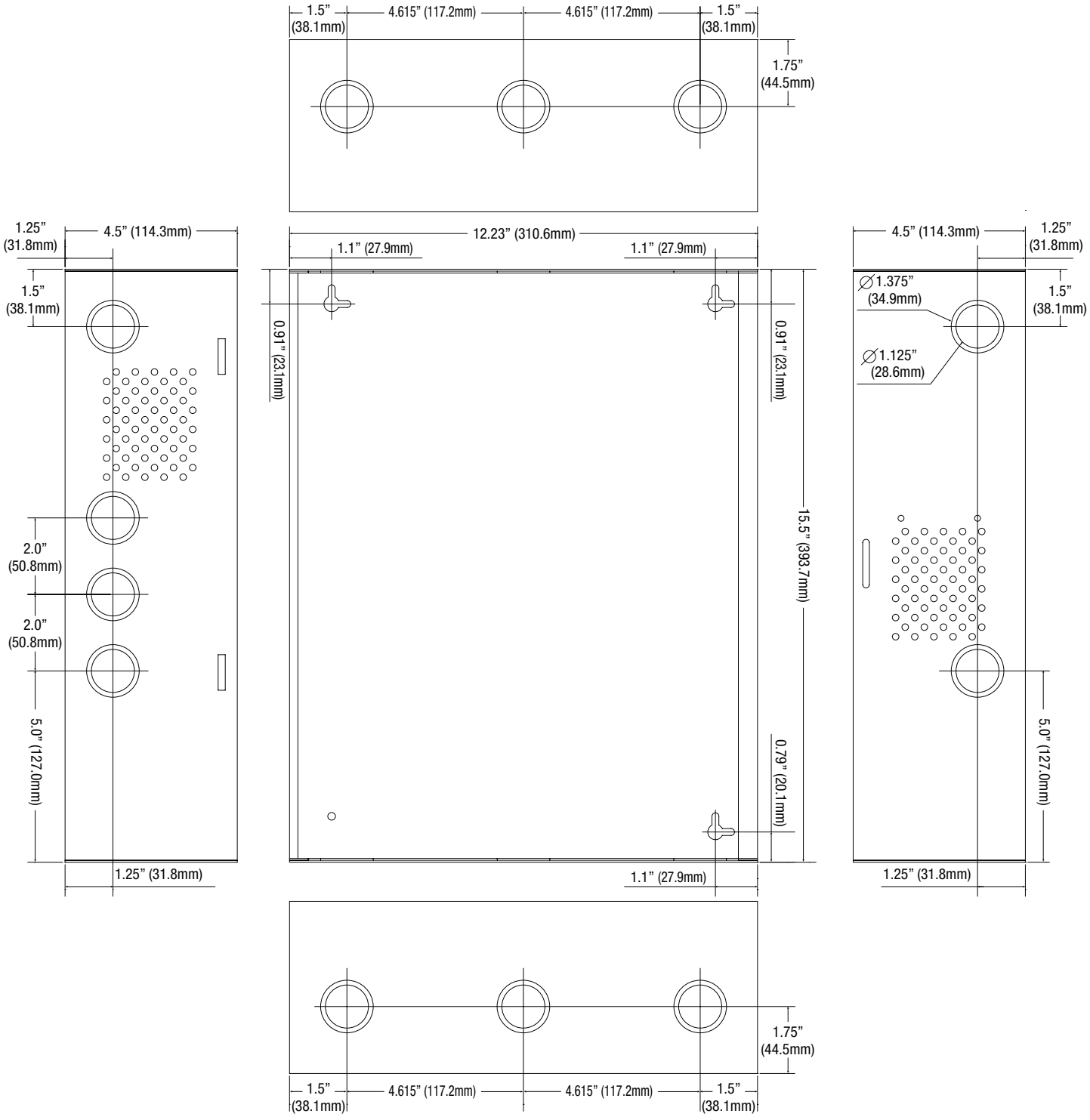
T3LMK77F16N(D): Configuration of LiftMaster Modules:

1. Remove factory installed LMBK2 Mounting Brackets. Do not discard metal spacers.
2. Mount LiftMaster CAP2D onto LMBK2 Mounting Brackets.
3. Mount LMBK2 onto backplane with metal spacers.
3. Mount backplane to enclosure with hardware.



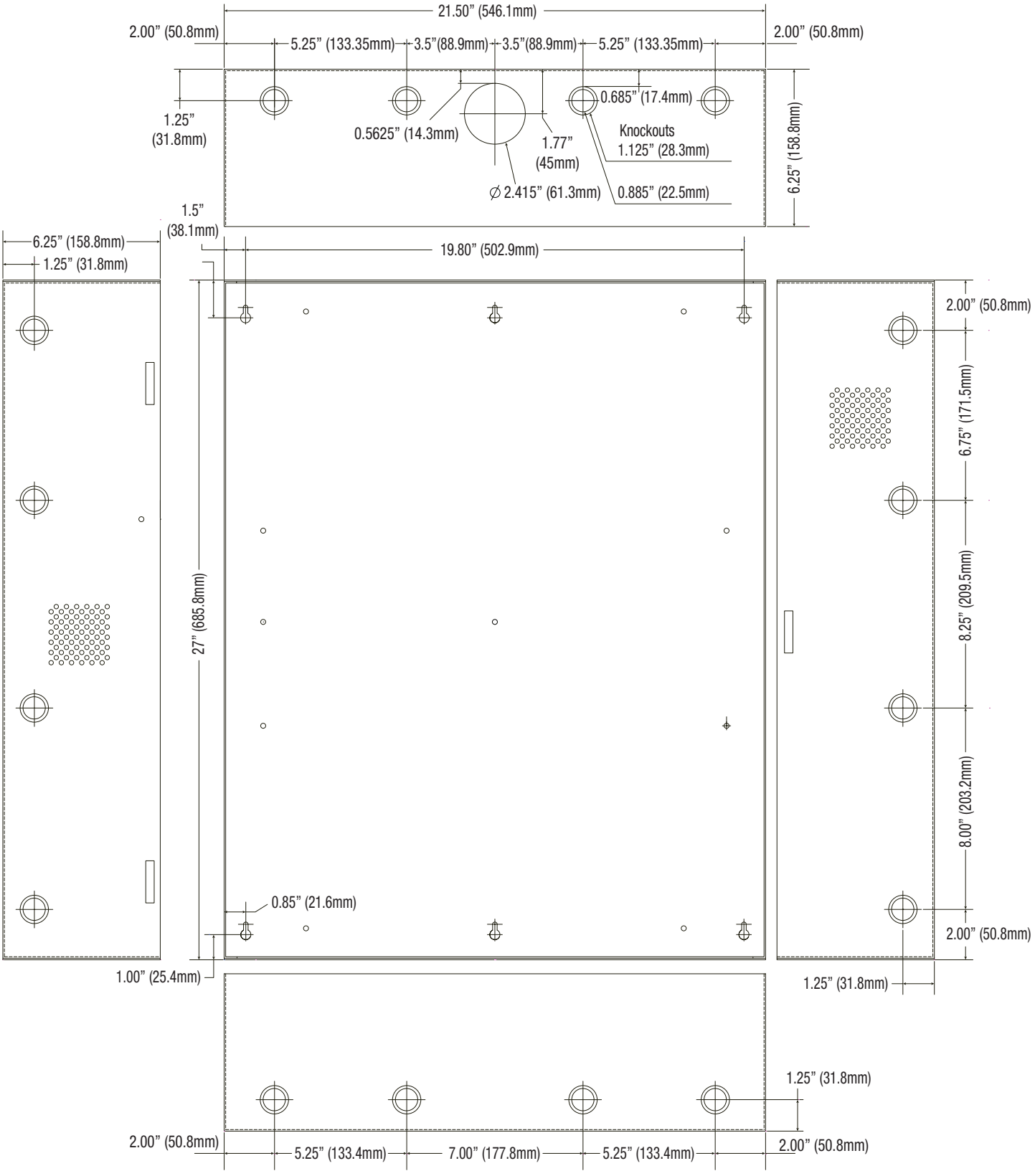
TLM400K1 and TLM400K1D Enclosure Dimensions (H x W x D)**:**

15.5” x 12” x 4.5” (393.7mm x 304.8mm x 114.3mm)



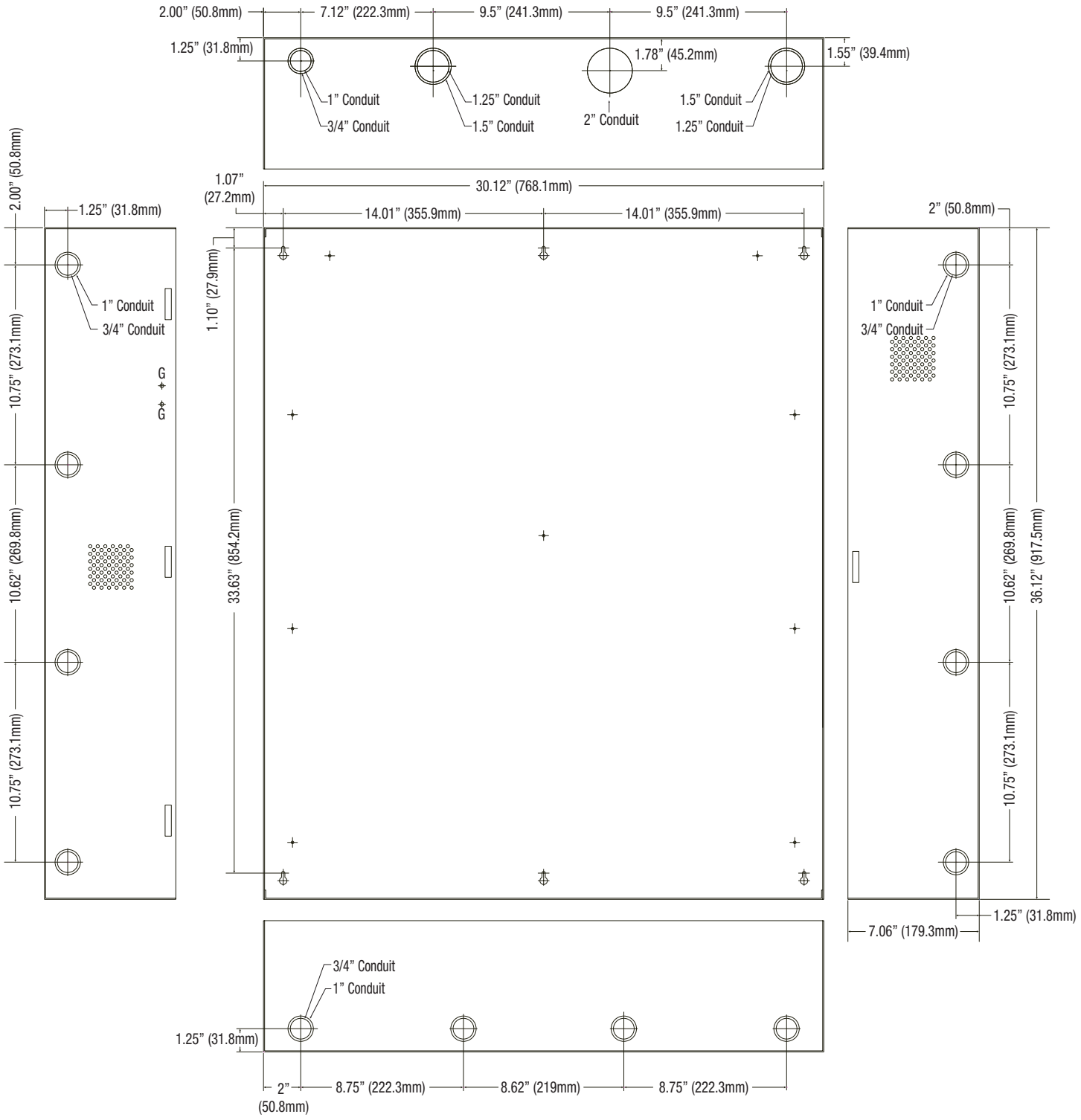
T2LMK7F8N and T2LMK7F8ND Enclosure Dimensions (H x W x D):

27.25” x 21.75” x 6.5” (692.15mm x 552.5mm x 165.1mm)



T3LMK77F16N and T3LMK77F16ND Enclosure Dimensions (H x W x D approximate)**:**

36.12” x 30.125” x 7.06” (917.5mm x 768.1mm x 179.3mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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