



Access & Power Integration

Altronix/Mercury Networked Kits

Models Include:

T2MK3F8AQ

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) LINQ8ACM - Networked Fused Access Power Controller
- One (1) PDS8 - Fused Dual Input Power Distribution Module
- One (1) VR6 - Voltage Regulator

T2MK75F16AQ

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8ACM - Networked Fused Access Power Controllers
- One (1) PDS16 - Fused Input Power Distribution Module

T2MK3F8ADQ

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) LINQ8ACMCB - Networked PTC Access Power Controller
- One (1) PDS8CB - PTC Dual Input Power Distribution Module
- One (1) VR6 - Voltage Regulator

T2MK75F16ADQ

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8ACMCB - Networked PTC Access Power Controllers
- One (1) PDS16CB - PTC Input Power Distribution Module

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

Installation Guide



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Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Networked Trove Mercury kits are pre-assembled and consist of Trove2M2 enclosure with factory installed Altronix power supply/charger and sub-assemblies. They accommodate various combinations of Mercury boards for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

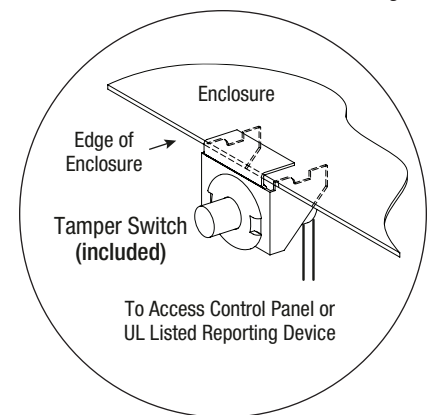
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board, LINQ8ACM(CB) Access Power Controller(s) and PDS8(CB) or PDS16(CB) outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fuse (PTC) Protected Outputs	Current Per LINQ8ACM(CB) and PDS8(CB) or PDS16(CB) Output (A)	LINQ8ACM(CB) Board Input Fuse (PTC) Rating	PDS8(CB) or PDS16(CB) Board Input Fuse (PTC) Rating	LINQ8ACM(CB), PDS8(CB) and PDS16(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)							
T2MK3F8AQ	3.5	5A/250V	10A/32V	20.17-26.4	20.28-26.4	-	-	24VDC @ 5.8A	8	8	2.5	15A/32V	10A/32V	3A/32V
T2MK3F8ADQ				2.0	9A	9A	2.5A							
T2MK75F16AQ	8	eFlow104NB: 6.3A/250V eFlow102NB: 5A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.2A 12VDC @ 9.3A	16	16	2.5	15A/32V		
T2MK75F16ADQ						2.0	9A							

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.

- Remove backplane from enclosure. Do not discard hardware.
- Mark and predrill holes in the wall to line up with the top two/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 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.
- Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in the 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.
- Connect unswitched AC power (120VAC 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.
Keep power-limited wiring separate from non power-limited wiring (120VAC 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.
- Measure voltage before connecting devices. This helps avoiding potential damage.
- Mount Mercury modules to backplane(s), refer to *pages 3-5*.
- Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, eFlow102NB and eFlow104NB and corresponding *Sub-Assembly Installation Guides* for LINQ8ACM(CB), PDS8(CB), PDS16(CB) and VR6 for further installation instructions.

Fig. 1



Hardware:

 Snap On Spacer |  5/16" Pan Head Screw |  Lock Nut

T2MK3F8A(D)Q: Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (Fig. 2, pg. 3).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
EP1501, MR51e	(C)
MR50	(D)

Fig. 2

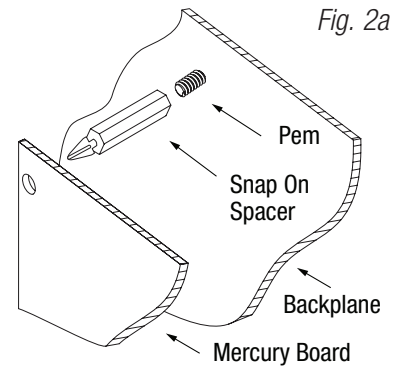
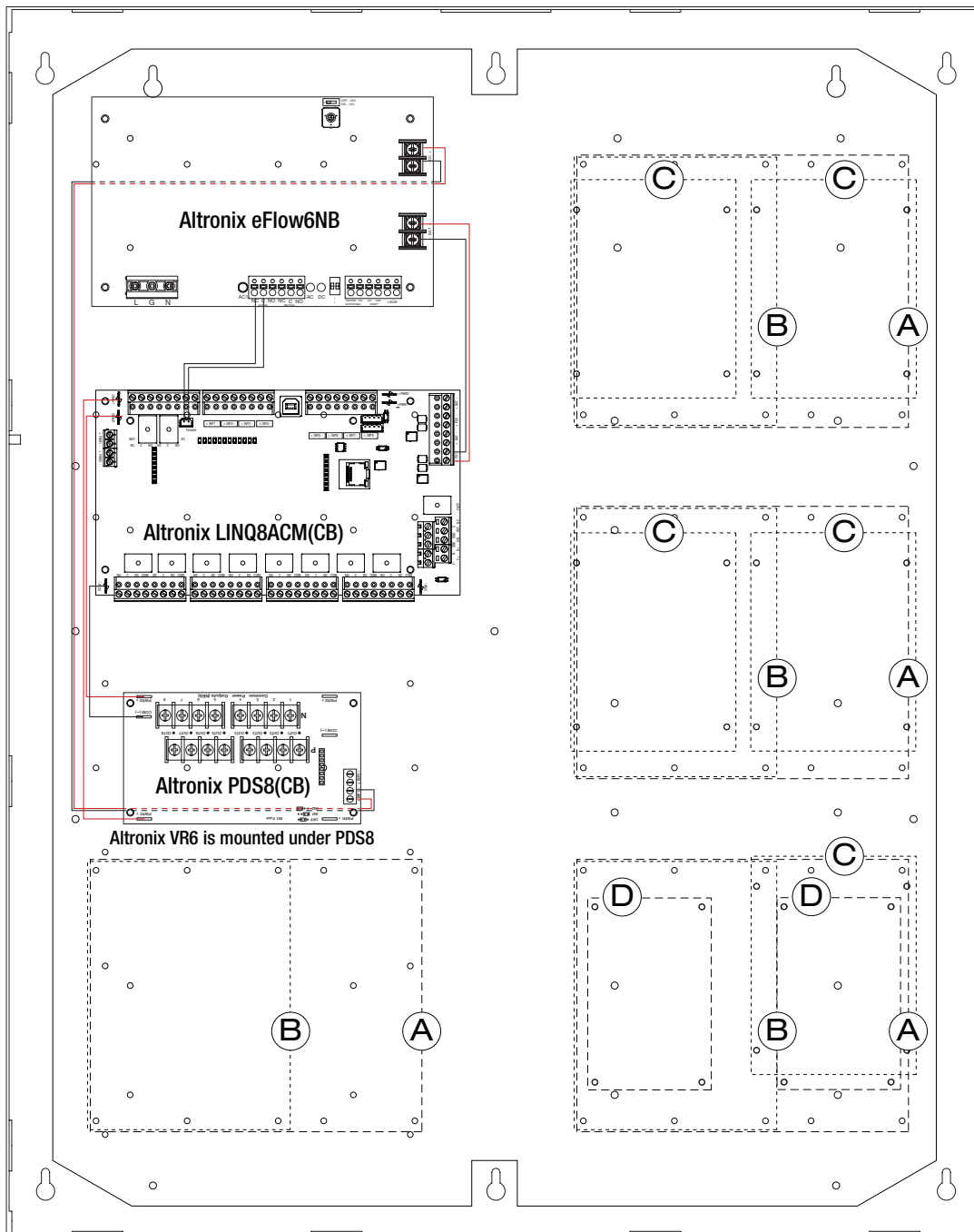


Fig. 2a

T2MK75F16A(D)Q: Configuration of Mercury Boards:

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (Fig. 3, pg. 4).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3a, pg. 4).
3. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
EP1501, MR51e	(C)
MR50	(D)

Fig. 3

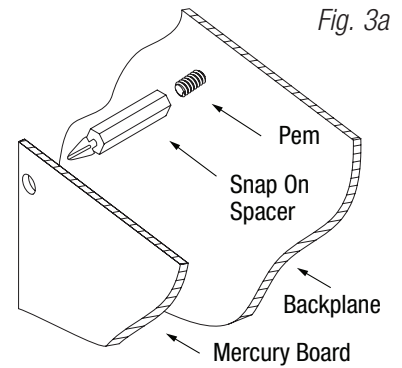
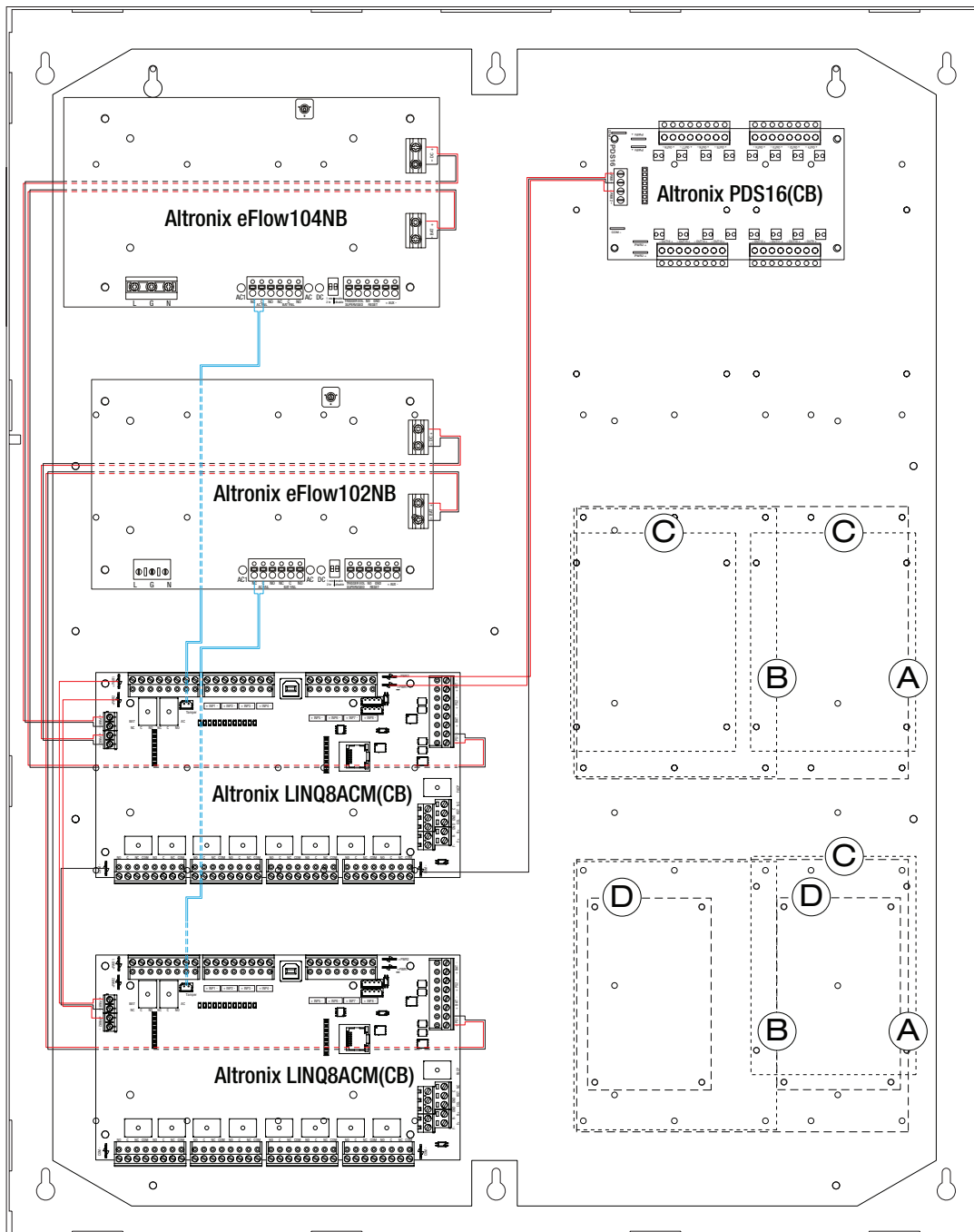


Fig. 3a

TMV2 (T2MK75F16A(D)Q):

TMV2 accommodates a variety of Mercury boards with or without Altronix sub-assemblies for access systems.

Configuration of Mercury and/or Altronix Boards

Mercury Access Controllers:

1. Fasten spacers onto metal pems configuration (A) (B) of backplane depending on the access controller (Fig. 4, pg. 5).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 4a, pg. 5).
3. Mount backplane to enclosure with hardware.

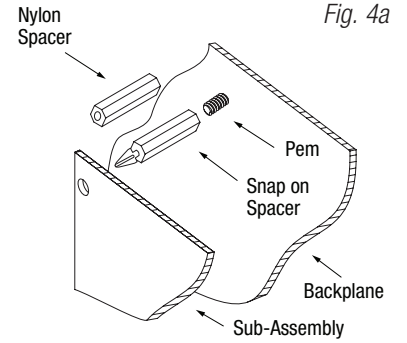
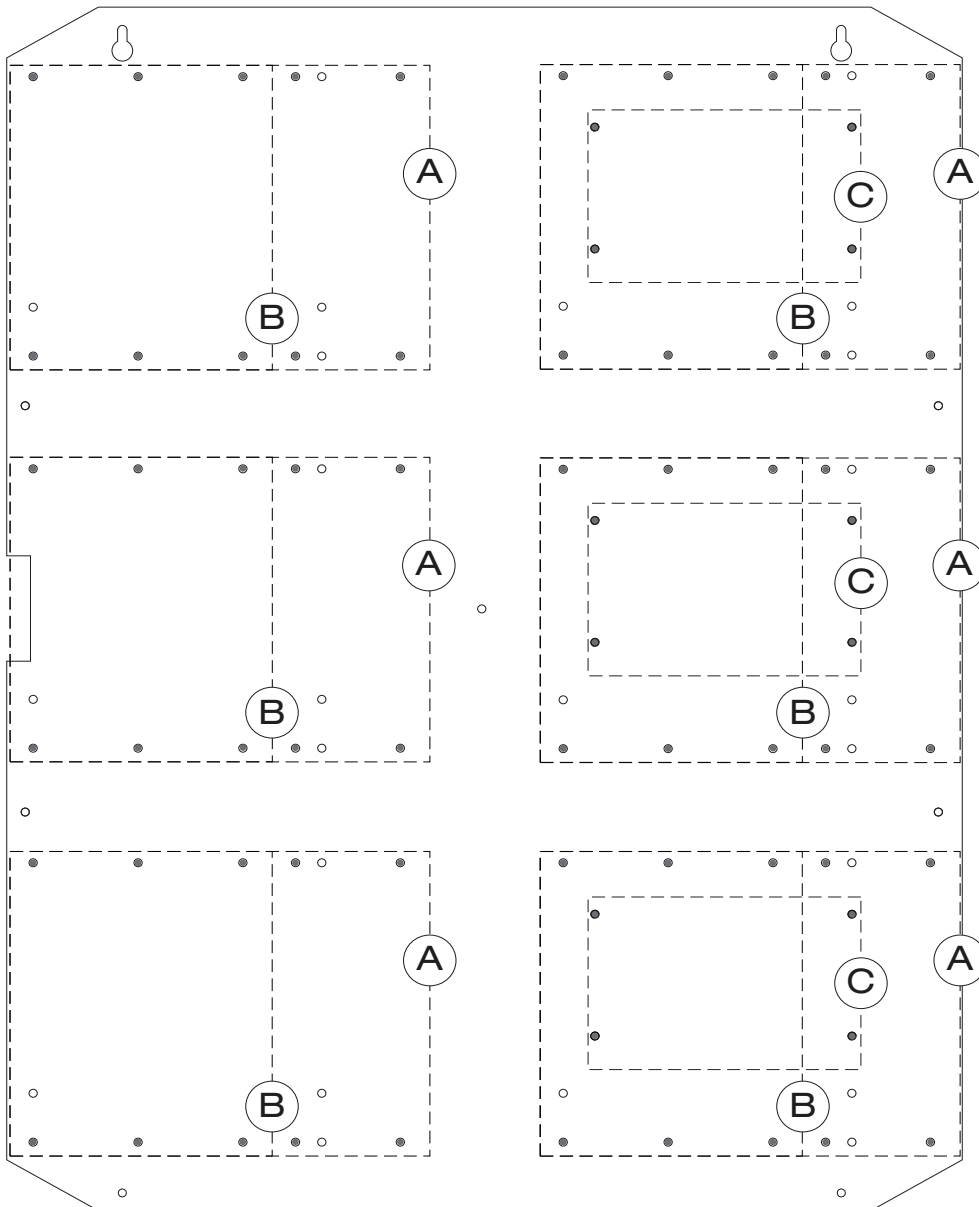
Altronix Sub-Assemblies and/or Adapters:

1. Fasten spacers to pems which match the hole pattern (C) for Altronix Sub-Assemblies (Fig. 4, 4a, pg. 5).
2. Mount boards to spacers utilizing pan head screws provided with the product (Fig. 6, pg. 7).

Access Controller Position Chart for the Following Models:

Mercury	
Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	(A)
EP2500, MUX8	(B)
Altronix	
Sub-Assembly or Adapter	Pem Mounting
ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6, GB1 (Genetec Synergis Cloud Link adapter plate)	(C)

Fig. 4

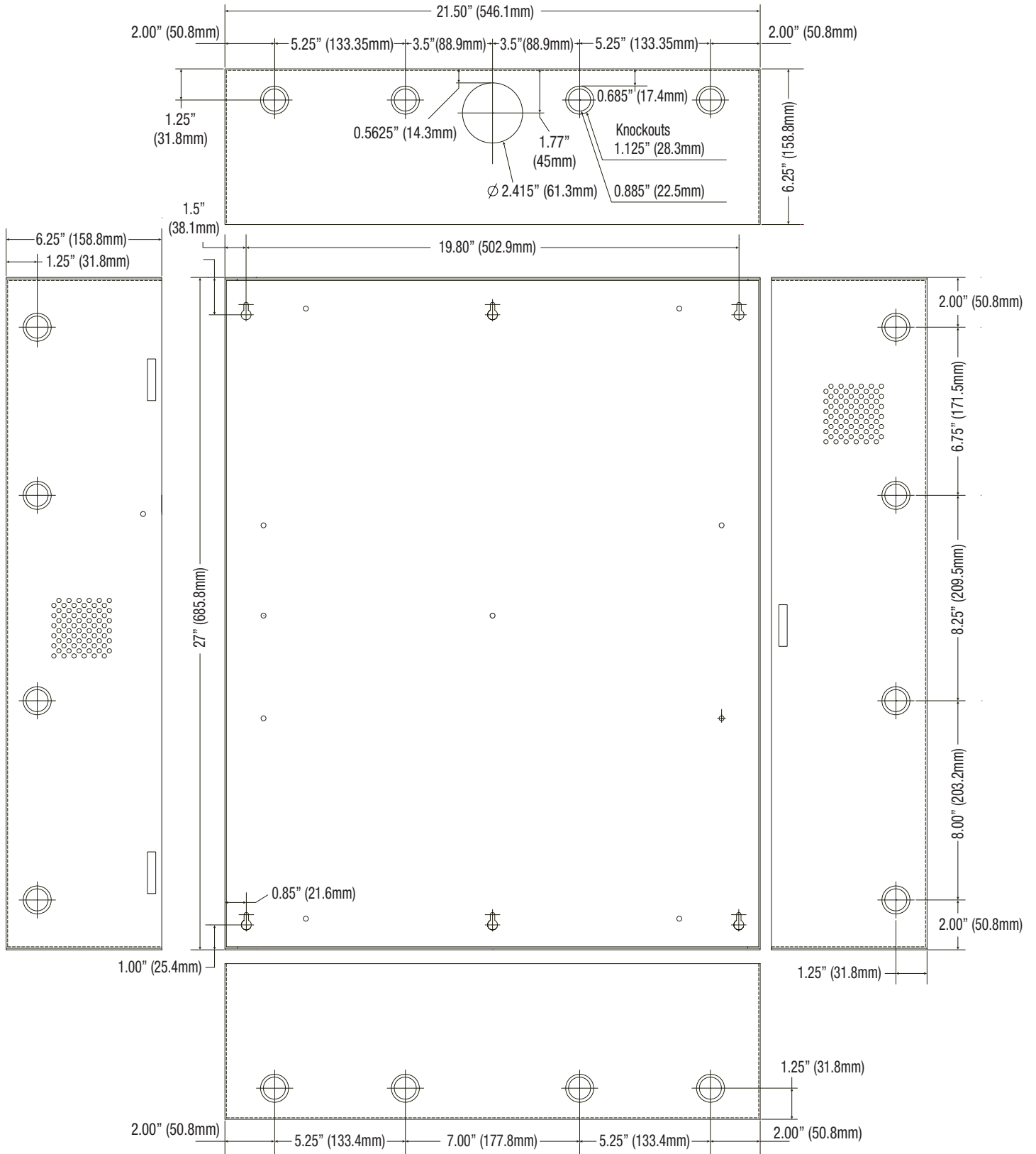


Notes:

Notes:

Trove2 Enclosure Dimensions (H x W x D approximate):

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



Altronix is not responsible for any typographical errors.

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
 web site: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
 II T2MKFAQ Series

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