



Access & Power Integration

Altronix/DIN Rail Kits

Models Include:

T1DK3FA4

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TDR1 Altronix/DIN Rail backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller
- One (1) D12 - 12" DIN Rail
- One (1) RSB1 - Rocker Switch Bracket with One (1) Switch

T2DK7F16

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/DIN Rail backplane
- One (1) eFlow104NB - Power Supply/Charger
- Two (2) ACM8 - Fused Access Power Controllers
- One (1) PD8UL - Fused Power Distribution Module
- Four (4) D10 - 10" DIN Rails
- One (1) RSB1 - Rocker Switch Bracket with One (1) Switch

T3DK77F24

24 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TV3 Altronix/DIN Rail backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS12 - Dual Input Fused Access Power Controllers
- One (1) PD8UL - Fused Power Distribution Module
- Four (4) D19 - 19" DIN Rails
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Switches

T1DK3FA4D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TDR1 Altronix/DIN Rail backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) D12 - 12" DIN Rail
- One (1) RSB1 - Rocker Switch Bracket with One (1) Switch

T2DK7F16D

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/DIN Rail backplane
- One (1) eFlow104NB - Power Supply/Charger
- Two (2) ACM8CB - PTC Access Power Controllers
- One (1) PD8ULCB - PTC Power Distribution Module
- Four (4) D10 - 10" DIN Rails
- One (1) RSB1 - Rocker Switch Bracket with One (1) Switch

T3DK77F24D

24 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TV3 Altronix/DIN Rail backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS12CB - Dual Input PTC Access Power Controllers
- One (1) PD8ULCB - PTC Power Distribution Module
- Four (4) D19 - 19" DIN Rails
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Switches

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

Installation Guide



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Rev. TDRK_093024

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix Trove DIN Rail kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. All kits accommodate a variety of DIN Rail products for up to four (T1DK3FA4(D)), sixteen (T2DK7F16(D)) or twenty-four (T3DK77F24(D)) 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	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4(CB)/ACM8(CB)/ACMS12(CB) Access Power Controllers' outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure Outputs	Additional Fused Outputs	ACM4(CB)/ACM8(CB)/ACMS12(CB) Board Input Fuse (PTC) Rating	ACM4(CB)/ACM8(CB)/ACMS12(CB) Board Output Fuse (PTC) Rating	PD8UL(CB) Board Output Fuse (PTC) Rating
					[DC]	[Aux]					
					Output Range (VDC)	Output Range (VDC)					
T1DK3FA4	3.5	5A/250V	15A/32V	24VDC @ 5.7A	20.17-26.4	20.28-26.4	4	–	10A/32V	3A/32V	–
T1DK3FA4D									9A	2.5A	
T2DK7F16	4.5	6.3A/250V	15A/32V	24VDC @ 9.7A	20.17-26.4	20.28-26.4	16	8	10A/250V	3.5A/250V	3.5A/250V
T2DK7F16D										2.5A	2.5A
T3DK77F24	9.0	6.3A/250V	15A/32V	24VDC @ 9.1A	20.17-26.4	20.28-26.4	24	8	15A/32V	3A/32V	3.5A/250V
T3DK77F24D									9A	2.5A	2.5A

Installation Instructions for Trove1, Trove2, Trove3:

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 two/three holes. Remove the enclosure. Drill the lower holes and install the two/three fasteners. Place the enclosure's upper keyholes over the upper screws. Install the two/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. 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.

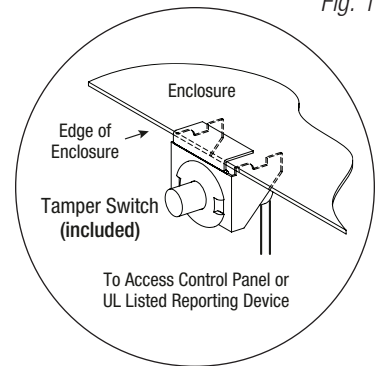
CAUTION: Do not touch exposed metal parts.

Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.

Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount DIN Rail compatible modules to backplane, refer to *pages 3, 4, 5*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACM4(CB), ACM8(CB), ACMS12(CB) and PD8UL(CB) for further installation instructions.

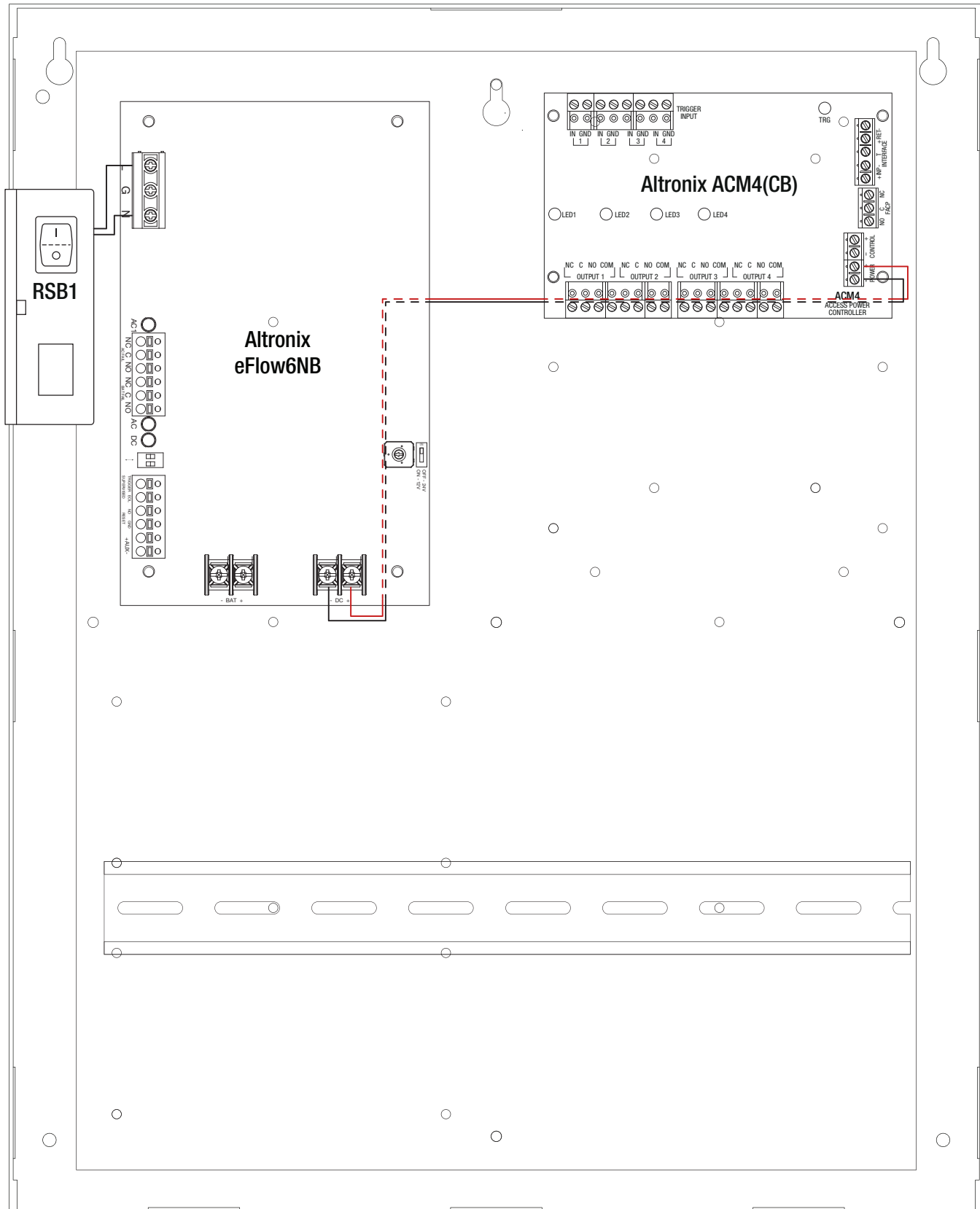
Fig. 1



T1DK3FA4 and T1DK3FA4D: Installation Instructions for DIN Rail Products:

1. Mount DIN Rail compatible modules to DIN Rail (*Fig. 2, pg. 3*).
2. Fasten backplane to Trove1 enclosure utilizing hardware (provided).

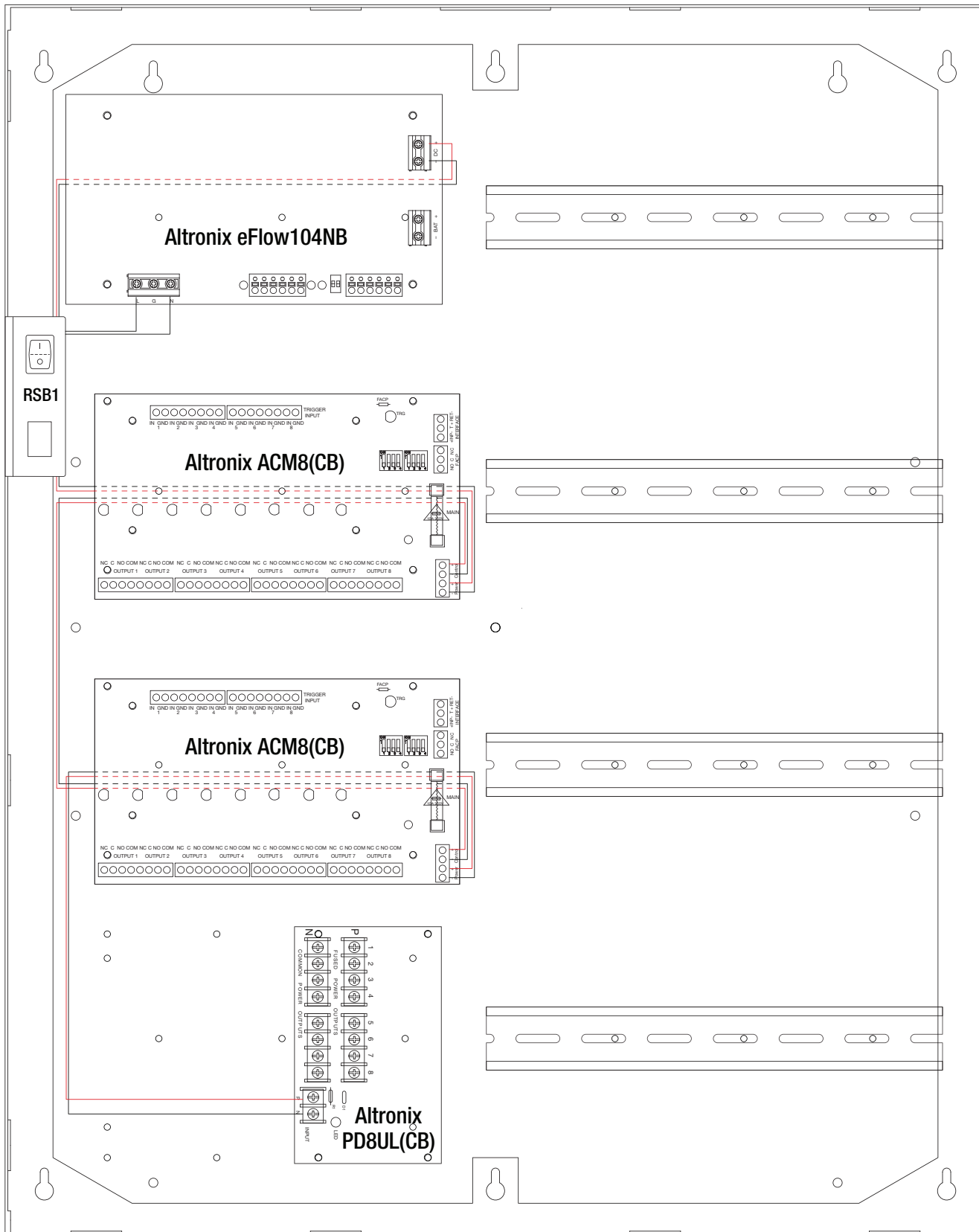
Fig. 2



T2DK7F16 and T2DK7F16D: Installation Instructions for DIN Rail Products:

1. Mount DIN Rail compatible modules to DIN Rail (*Fig. 3, pg. 4*).
2. Fasten backplane to Trove2 enclosure utilizing hardware (provided).

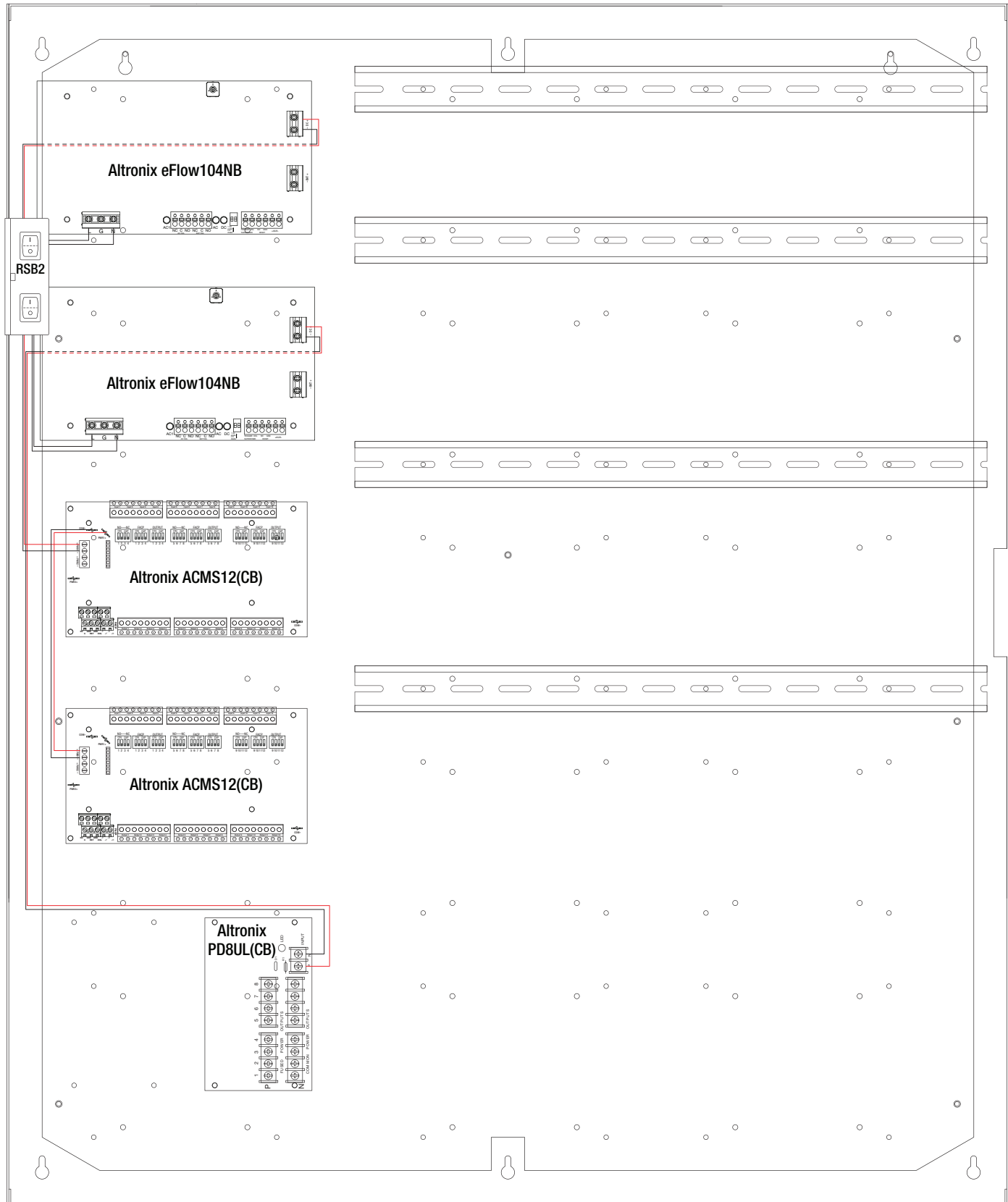
Fig. 3



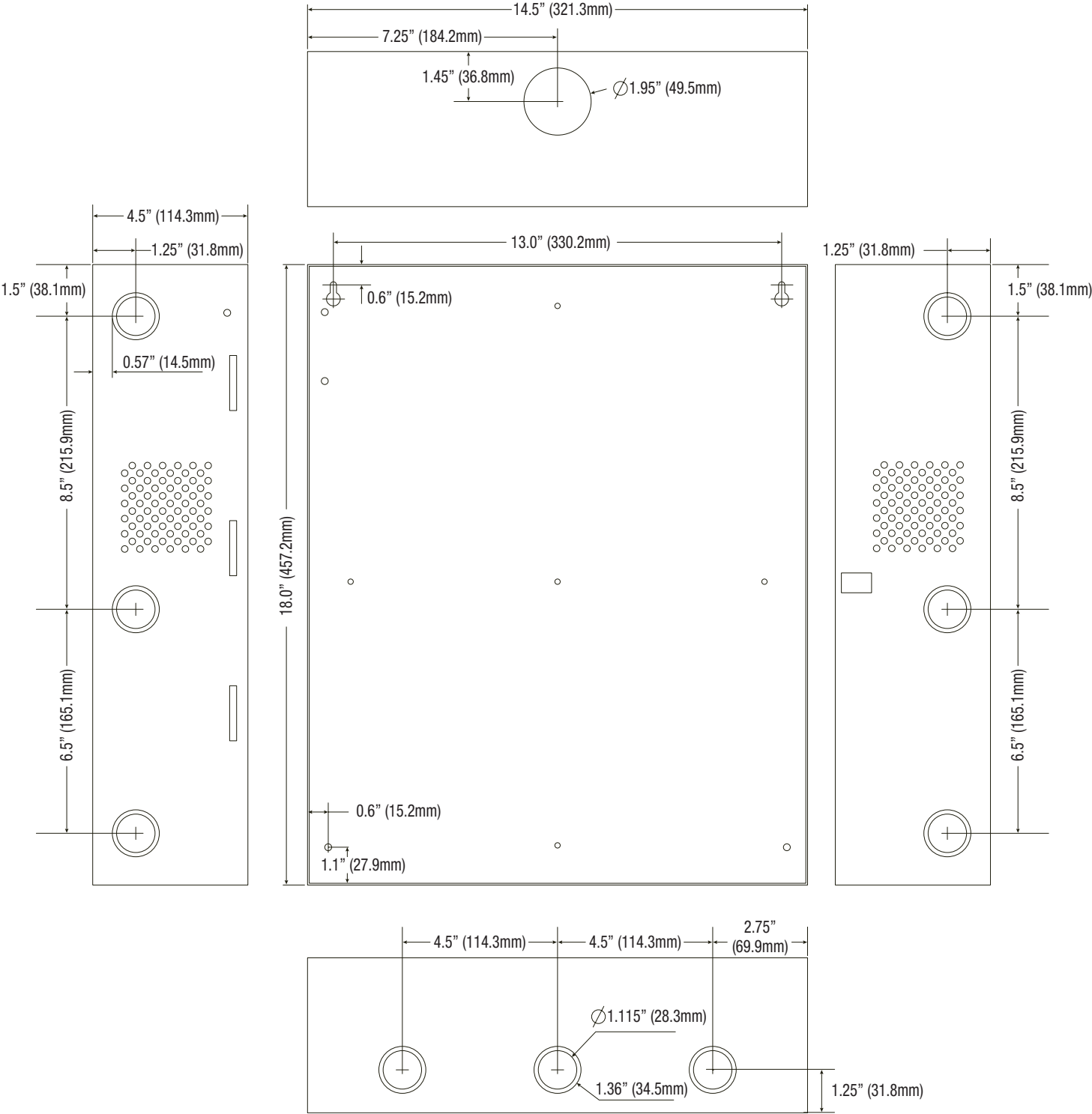
T3DK77F24 and T3DK77F24D: Installation Instructions for DIN Rail Products:

1. Mount DIN Rail compatible modules to DIN Rail (*Fig. 4, pg. 5*).
2. Fasten backplane to Trove3 enclosure utilizing hardware (provided).

Fig. 4



T1DK3FA4 and T1DK3FA4D (Trove1) Enclosure Dimensions (H x W x D approximate):
18" x 14.5" x 4.625" (457mm x 368mm x 118mm)

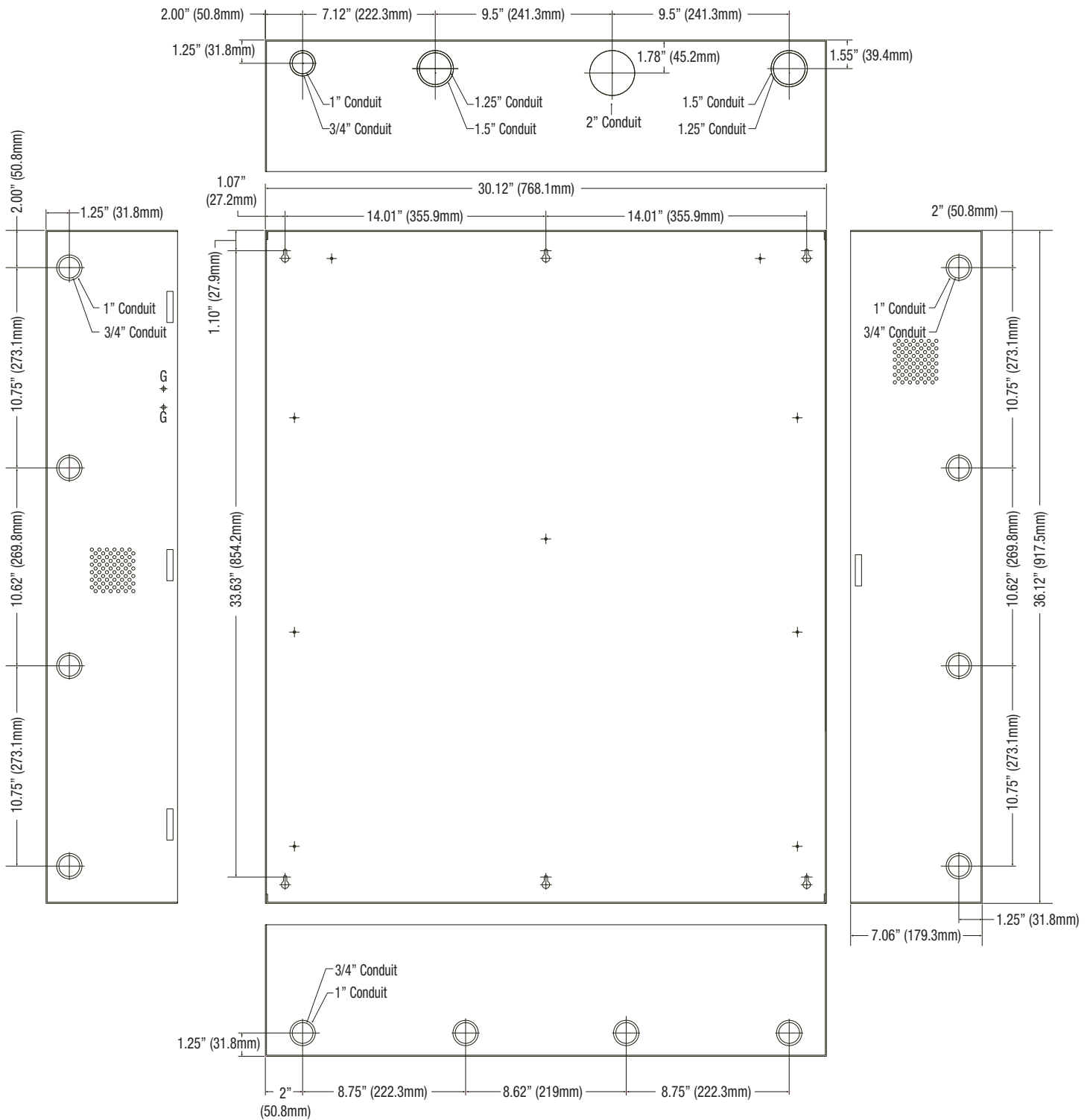


27.25" x 21.75" x 6.5" (692.15mm x 546.1mm x 165.1mm)



T3DK77F24 and T3DK77F24D (Trove3) 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.

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 web site: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
 IITrove DIN Rail Kits

I30X

