

Access & Power Integration

Altronix/AMAG M4000 Kits

Models Include:

T2AGK3F8V

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow6NBV - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2AGK7F8SV

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - 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

T2AGK7F12V

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) ACM4 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2AGK7F12SV

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) ACM4 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2AGK75F12V

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) eFlow102NBV - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) ACM4 - Fused Access Power Controller
- One (1) PD4UL - Fused Power Distribution Module

T2AGK3F8DV

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow6NBV - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T2AGK7F8SDV

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - 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

T2AGK7F12DV

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) ACM4CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T2AGK7F12SDV

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) ACM4CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

T2AGK75F12DV

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) eFlow102NBV - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) ACM4CB - PTC Access Power Controller
- One (1) PD4ULCB - PTC Power Distribution Module

Installation Guide

All registered trademarks are property of their respective owners.

Rev. TAGKV_121924

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix Trove AMAG kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. Kits accommodate up to three (3) AMAG M4000 modules for up to twelve (12) doors in a single enclosure.

Configuration Chart:

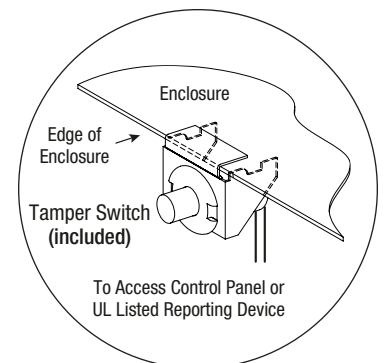
Altronix Model Number	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	220VAC 60Hz Input Current (A)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and Access Power Controllers' outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure Outputs	Additional Fused (PTC) Outputs	ACM4(CB) Board Input Fuse (PTC) Rating	ACM4(CB) Board Output Fuse (PTC) Rating	ACM8(CB) Board Input Fuse Rating	ACM8(CB) Board Output Fuse (PTC) Rating	ACMS8(CB) Board Input Fuse Rating	ACMS8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating	PD4UL(CB) Board Output Fuse (PTC) Rating
					[DC]	[Aux]											
T2AGK3F8V	5A/250V	15A/32V	2.5	24VDC @ 5.4A	20.17-26.4	20.28-26.4	8	8	-	-	10A/250V	3.5A/250V	-	-	10A/32V	3A/32V	-
T2AGK3F8DV									-	-	10A/250V	2.5A	-	-	9A	9A	-
T2AGK7F8SV	6.3A/250V	15A/32V	2.7	24VDC @ 9.4A	20.17-26.4	20.28-26.4	8	8	-	-	-	-	15A/32V	3A/32V	10A/32V	3A/32V	-
T2AGK7F8SDV									-	-	-	-	9A	9A	9A	9A	-
T2AGK7F12V	6.3A/250V	15A/32V	2.7	24VDC @ 9.4A	20.17-26.4	20.28-26.4	12	8	10A/32V	3A/32V	10A/250V	3.5A/250V	-	-	10A/32V	3A/32V	-
T2AGK7F12DV									9A	2.5A	10A/250V	2.5A	-	-	9A	9A	-
T2AGK7F12SV	6.3A/250V	15A/32V	2.7	24VDC @ 9.4A	20.17-26.4	20.28-26.4	12	8	10A/32V	3A/32V	-	-	15A/32V	3A/32V	10A/32V	3A/32V	-
T2AGK7F12SDV									9A	2.5A	-	-	9A	9A	9A	9A	-
T2AGK75F12V	eFlow104NBV 6.3A/250V	15A/32V	4.8	24VDC @ 9.4A	20.17-26.4	20.28-26.4	12	4	10A/32V	3A/32V	10A/250V	3.5A/250V	-	-	-	-	3.5A/250V
T2AGK75F12DV	eFlow102NBV 5A/250V			12VDC @ 10A	9.7-13.2	10.03-13.2			9A	2.5A	10A/250V	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 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 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 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 AMAG M4000 modules to TAM2 backplane, refer to *page 3-7*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NBV, eFlow102NBV, eFlow104NBV, and corresponding *Sub-Assembly Installation Guides* for the following models: ACM4(CB), ACM8(CB), ACMS8(CB), PD4UL(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1



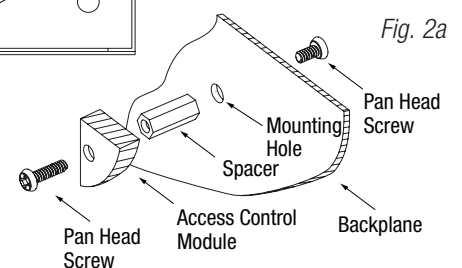
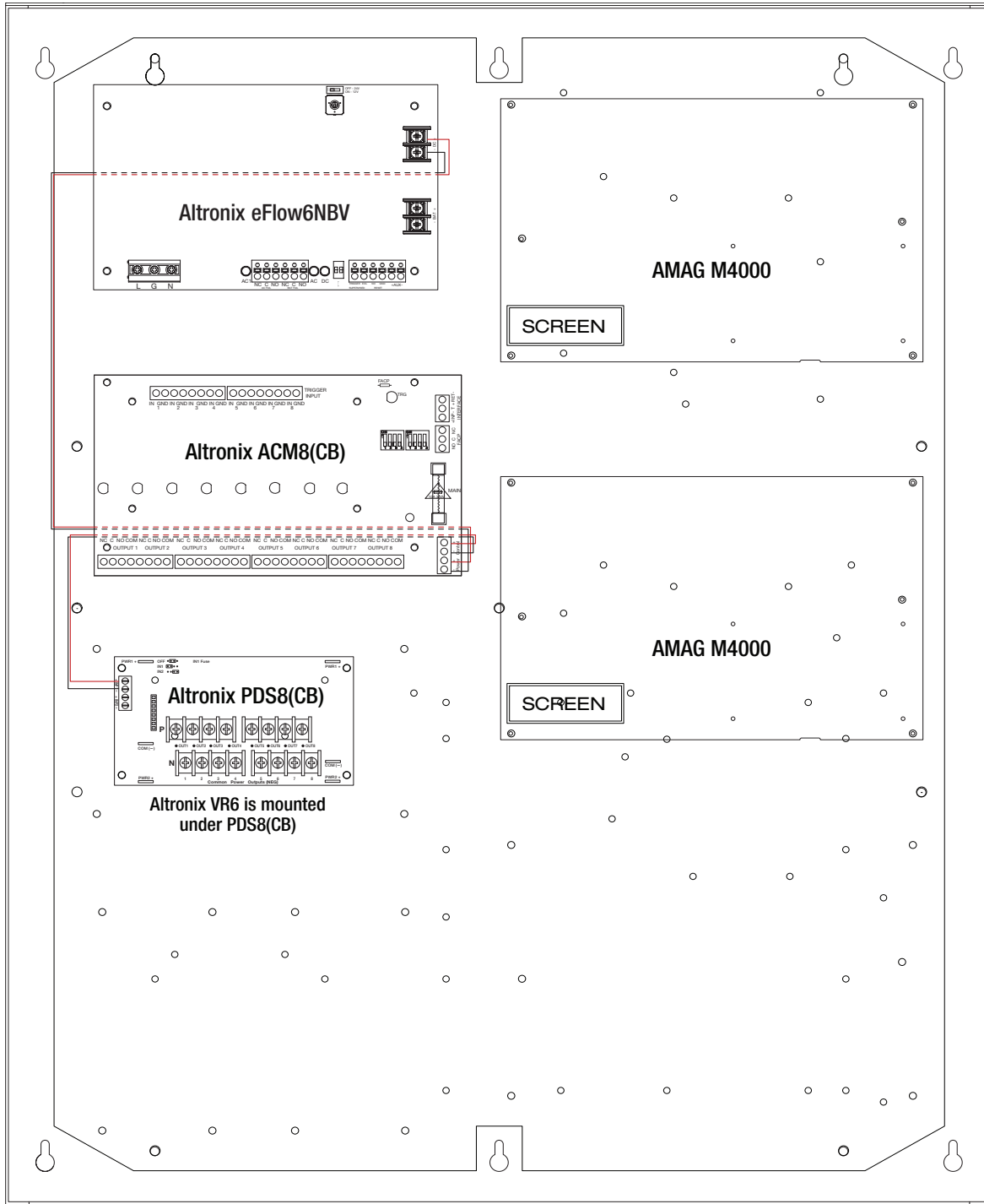
Hardware:

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

T2AGK3F8(D)V: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards to the holes in the backplane
 2. Push 5/16" pan head screws (provided) from the back of the backplane through the holes that match the pattern for AMAG M4000 modules. Attach spacers to the screws (Fig. 2a, pg. 3).
 3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 2a, pg. 3).
- Note:** AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in Fig. 2 below.
4. Fasten TAM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 2 - T2AGK3F8(D)V Configuration



T2AGK7F8S(D)V: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards to the holes in the backplane
 2. Push 5/16" pan head screws (provided) from the back of the backplane through the holes that match the pattern for AMAG M4000 modules. Attach spacers to the screws (Fig. 3a, pg. 4).
 3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 3a, pg. 4).
- Note:** AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in Fig. 3 below.
4. Fasten TAM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 3 - T2AGK7F8S(D)V Configuration

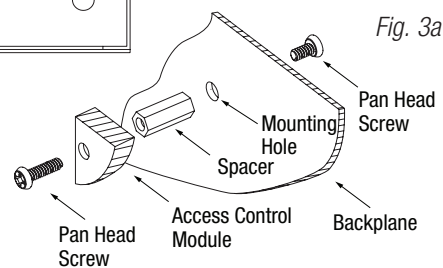
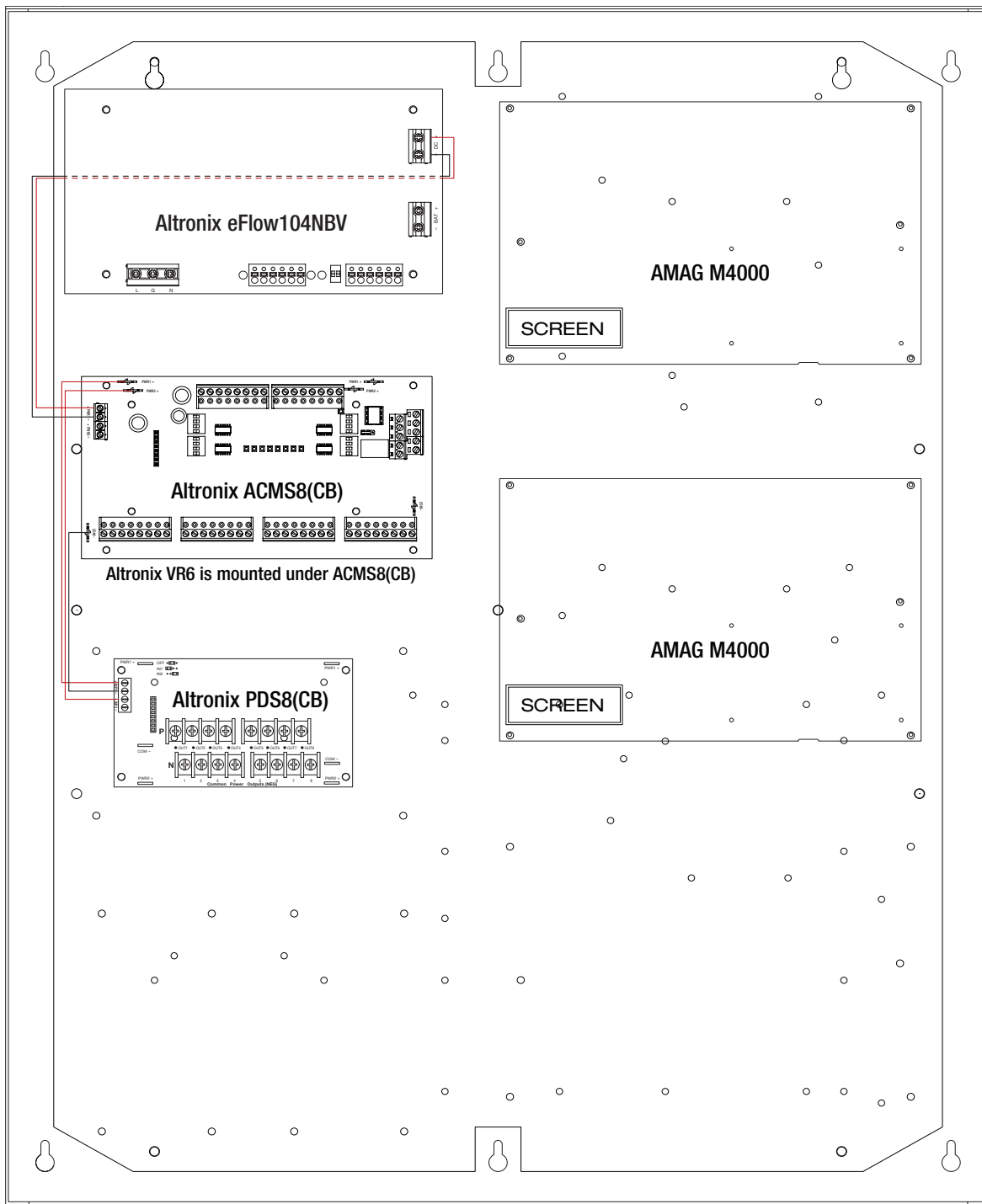
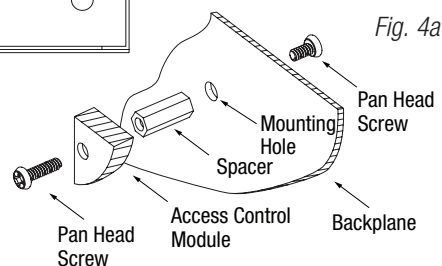
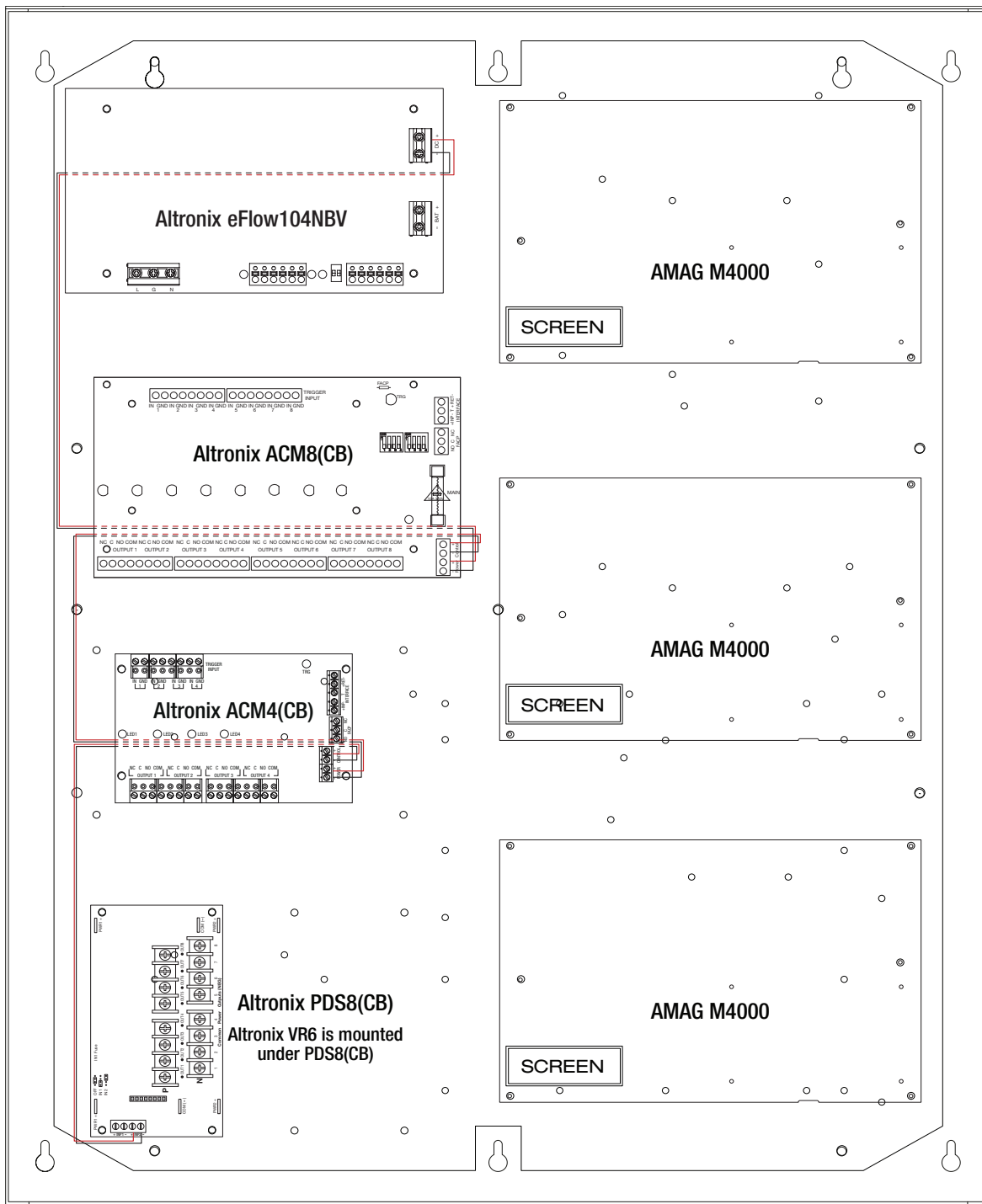


Fig. 3a

T2AGK7F12(D)V: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards to the holes in the backplane
 2. Push 5/16" pan head screws (provided) from the back of the backplane through the holes that match the pattern for AMAG M4000 modules. Attach spacers to the screws (Fig. 4a, pg. 5).
 3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 4a, pg. 5).
- Note:** AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in Fig. 4 below.
4. Fasten TAM2 backplane to Trove2 enclosure utilizing hardware (provided).

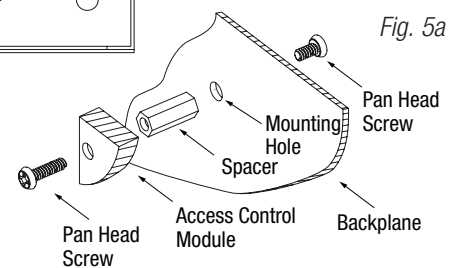
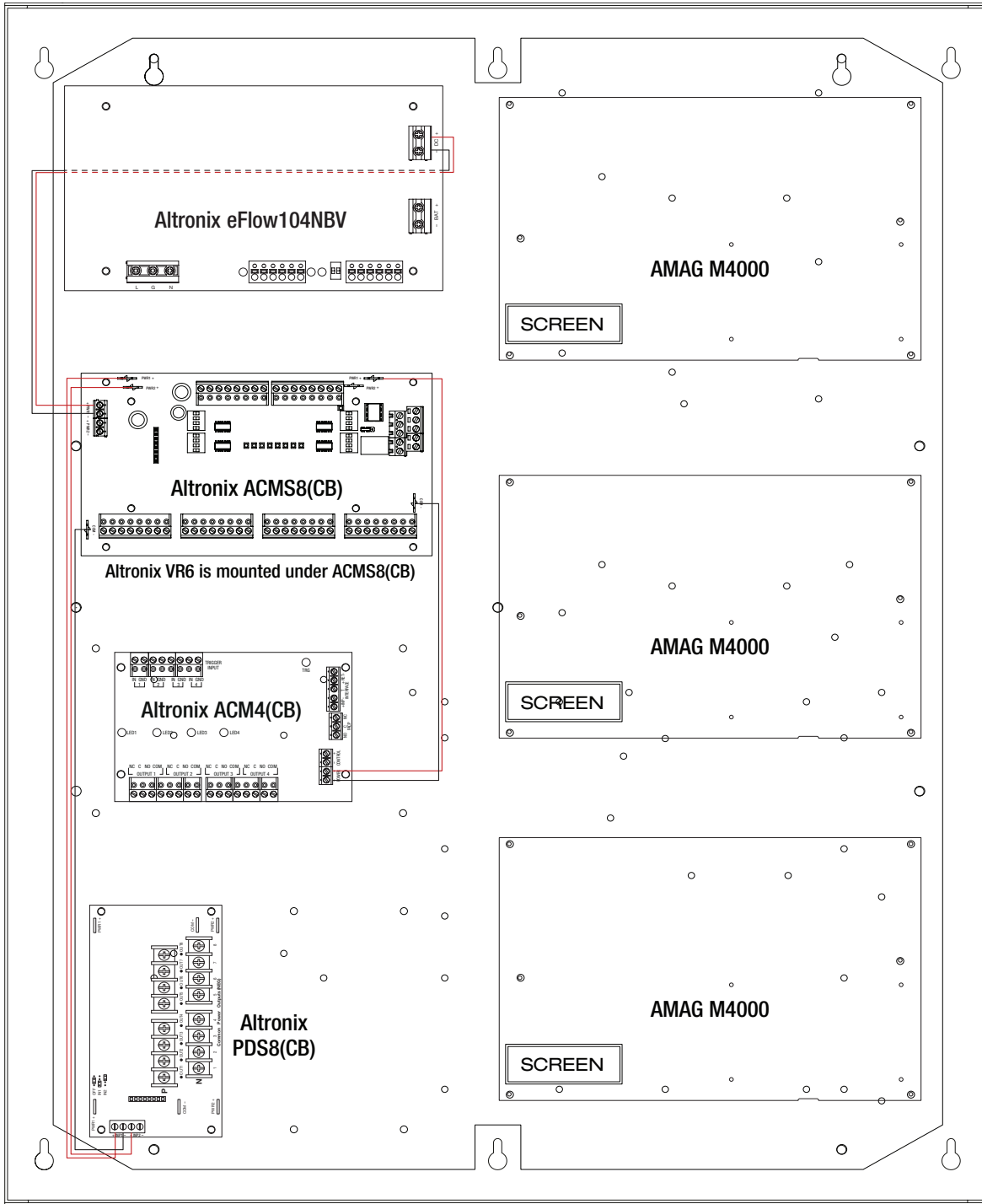
Fig. 4 - T2AGK7F12(D)V Configuration



T2AGK7F12S(D)V: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards to the holes in the backplane
 2. Push 5/16" pan head screws (provided) from the back of the backplane through the holes that match the pattern for AMAG M4000 modules. Attach spacers to the screws (Fig. 5a, pg. 6).
 3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 5a, pg. 6).
- Note:** AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in Fig. 5 below.
4. Fasten TAM2 backplane to Trove2 enclosure utilizing hardware (provided).

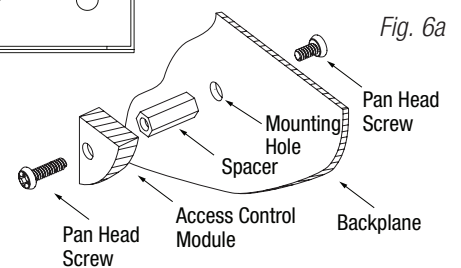
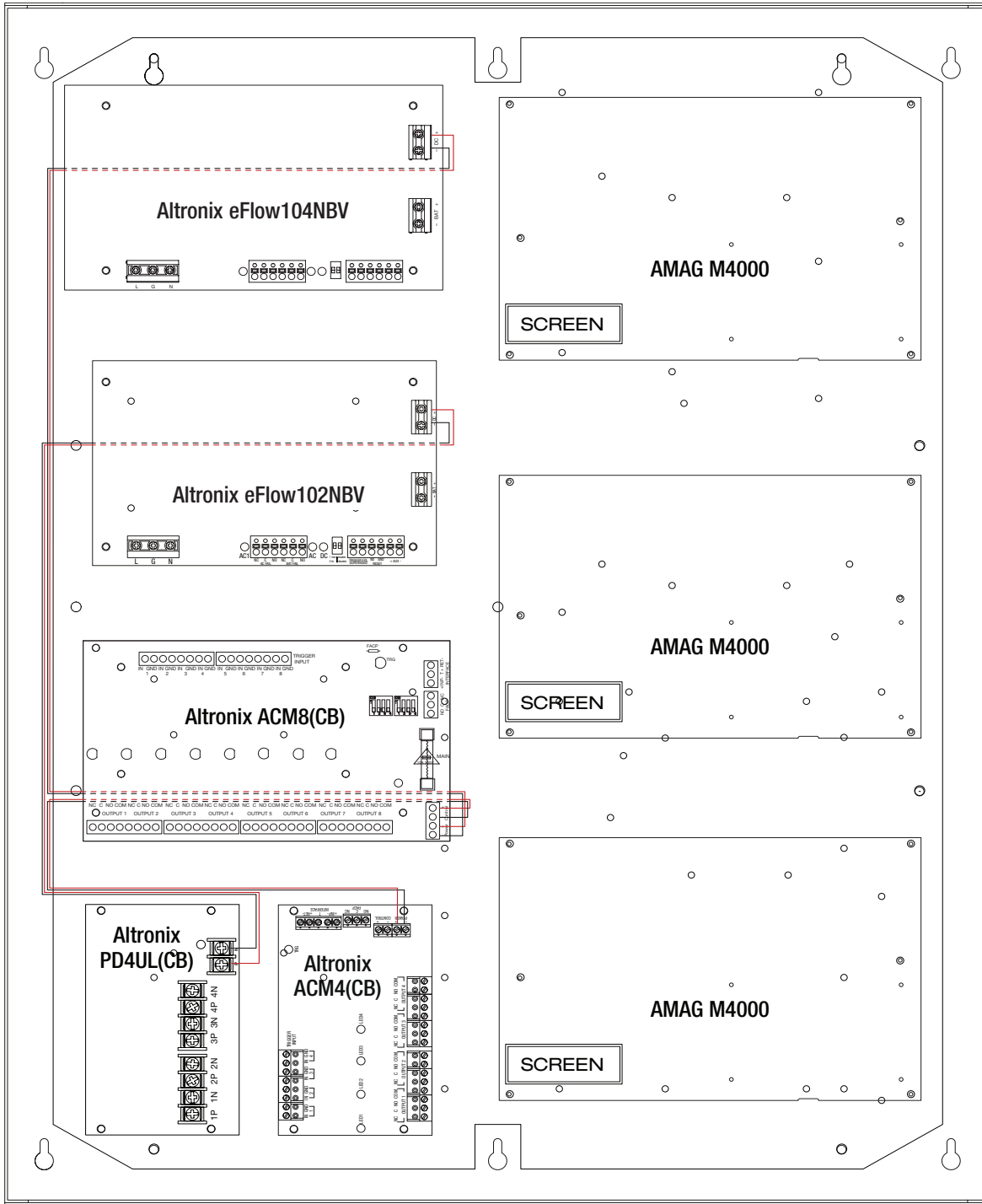
Fig. 5 - T2AGK7F12S(D)V Configuration



T2AGK75F12(D)V: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards to the holes in the backplane
2. Push 5/16" pan head screws (provided) from the back of the backplane through the holes that match the pattern for AMAG M4000 modules. Attach spacers to the screws (Fig. 6a, pg. 7).
3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 6a, pg. 7).
Note: AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in Fig. 6 below.
4. Fasten TAM2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 6 - T2AGK75F12(D)V Configuration



27.25" x 21.5" x 6.5" (692.15mm x 546.1mm x 165.1mm)

