



Access & Power Integration

## Altronix/AMAG Kits

### Models Include:

#### T2AMK7F8

##### 8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

#### T2AMK7F8S

##### 8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG 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

#### T3AMK77F16S

##### 16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TAM3 Altronix/AMAG 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

#### T2AMK7F8D

##### 8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

#### T2AMK7F8SD

##### 8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TAM2 Altronix/AMAG 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

#### T3AMK77F16SD

##### 16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TAM3 Altronix/AMAG 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

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



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Rev. TAMK\_090623

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_



More than just power.™

## Overview:

Altronix AMAG Trove kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/ chargers and sub-assemblies. Kits accommodate various combinations of AMAG modules for up to eight (8) (T2AMK1(D)) or sixteen (16) (T3AMK1(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 ACM8(CB) or ACMS8(CB) Access Power Controllers' outputs | Nominal DC Output Voltage Range (VDC) | Fail-Safe/Fail-Secure or Dry Form "C" Outputs | Additional Fused or PTC Outputs | ACM8(CB) Board Input Fuse Rating | ACM8(CB) Board Output Fuse (PTC) Rating | ACMS8(CB) Board Input Fuse (PTC) Rating | ACMS8(CB) Board Output Fuse (PTC) Rating | PDS8(CB) Board Input Fuse (PTC) Rating | PDS8(CB) Board Output Fuse (PTC) Rating |
|-----------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------|---------------------------------|----------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------|
| T2AMK7F8              | 4.5                           | 6.3A/ 250V                           | 15A/ 32V                               | 24VDC @ 9.4A                                                                                                                       | 20.17- 26.4                           | 8                                             | 8                               | 10A/ 250V                        | 3.5A/ 250V                              | —                                       | —                                        | 10A/ 32V                               | 3A/ 32V                                 |
| T2AMK7F8D             |                               |                                      |                                        |                                                                                                                                    |                                       |                                               |                                 | 10A/ 250V                        | 2.5A                                    | —                                       | —                                        | 9A                                     | 2.5A                                    |
| T2AMK7F8S             | 4.5                           |                                      |                                        |                                                                                                                                    |                                       | 8                                             | 8                               | —                                | —                                       | 15A/ 32V                                | 3A/ 32V                                  | 10A/ 32V                               | 3A/ 32V                                 |
| T2AMK7F8SD            |                               |                                      |                                        |                                                                                                                                    |                                       |                                               |                                 | —                                | —                                       | 9A                                      | 2.5A                                     | 9A                                     | 2.5A                                    |
| T3AMK77F16S           | 9.0                           |                                      |                                        |                                                                                                                                    |                                       | 16                                            | 16                              | —                                | —                                       | 15A/ 32V                                | 3A/ 32V                                  | 10A/ 32V                               | 3A/ 32V                                 |
| T3AMK77F16SD          |                               |                                      |                                        |                                                                                                                                    |                                       |                                               |                                 | —                                | —                                       | 9A                                      | 2.5A                                     | 9A                                     | 2.5A                                    |

## Installation Instructions:

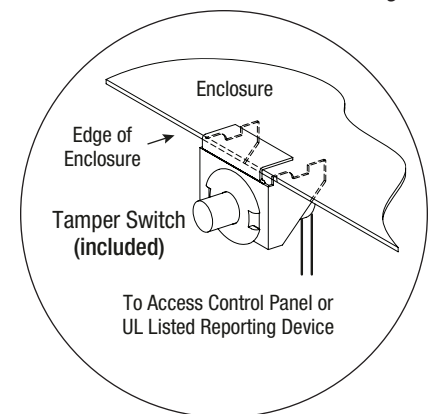
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top 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(es) (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(es) 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 modules to TAM2 or TAM3 backplane, refer to *page 3-8*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for the following models: ACM8(CB), ACMS8(CB), PDS8(CB) and VR6 for further installation instructions.

## Hardware:

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

Fig. 1



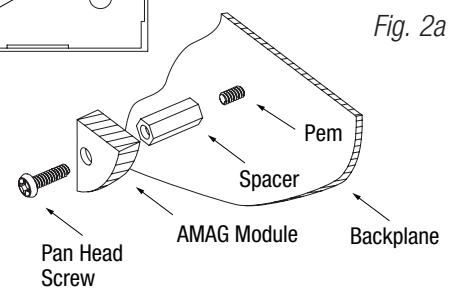
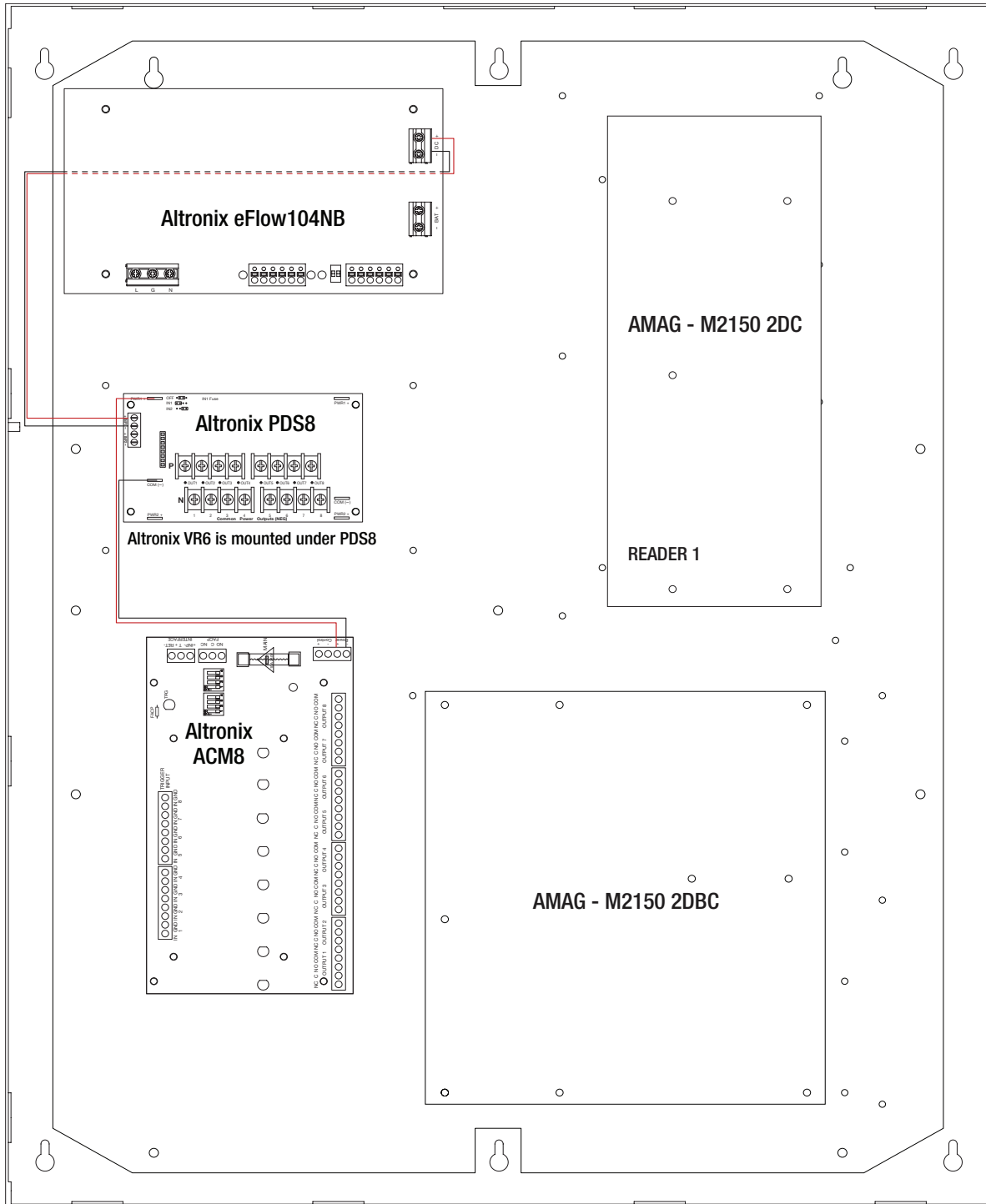
## T2AMK7F8(D): Configuration of AMAG Modules AMAG M2150 2DC and M2150 2DBC:

1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M2150 2DC and 2150 2DBC modules.
3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 2, pg. 3*).

**Note:** AMAG M2150 2DC modules have specific markings. Please orient modules in the appropriate position according to the *Fig. 2* below.

4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

*Fig. 2 - T2AMK7F8(D) Configurations*



*Fig. 2a*

## T2AMK7F8(D): Configuration of AMAG Modules AMAG M2150 4DC, M2150 4DBC, M2150 8DBC:

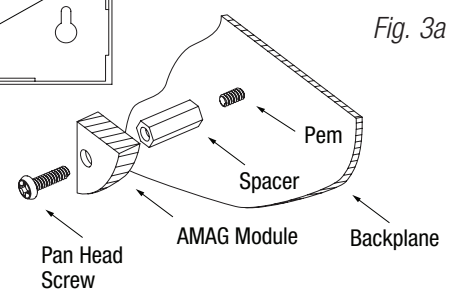
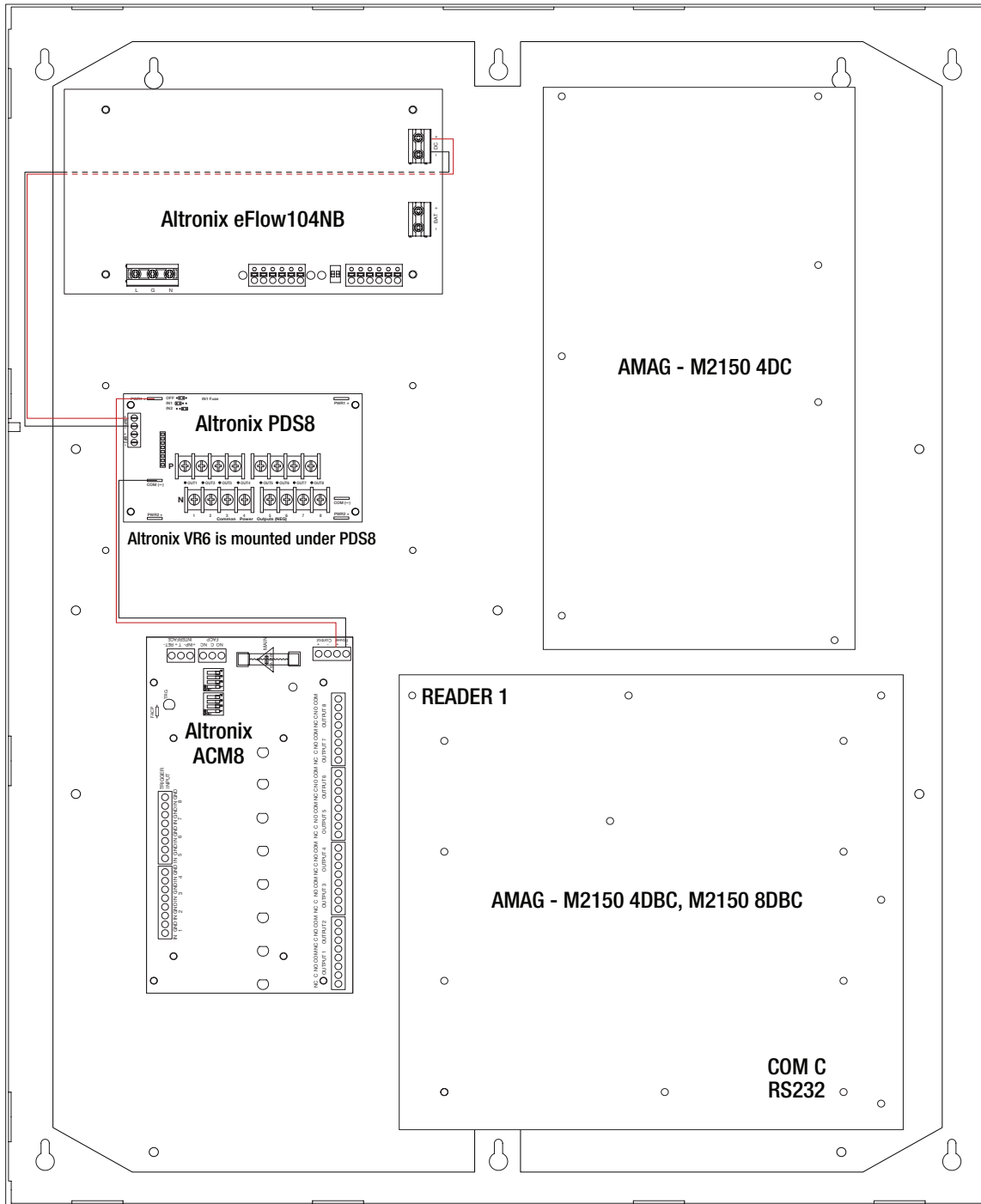
1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M2150 4DC, M2150 4DBC, M2150 8DBC modules.
3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 3, pg. 4*).

**Note:** AMAG M2150 4DBC and M2150 8DBC modules have specific markings.

Please orient modules in the appropriate position according to the *Fig. 3* below.

4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

**Fig. 3 - T2AMK7F8(D) Configurations**



*Fig. 3a*

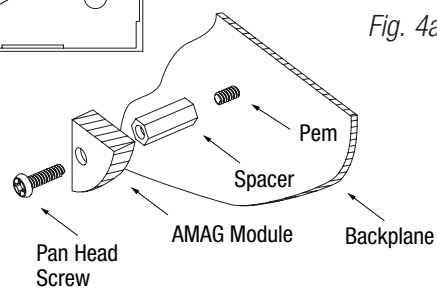
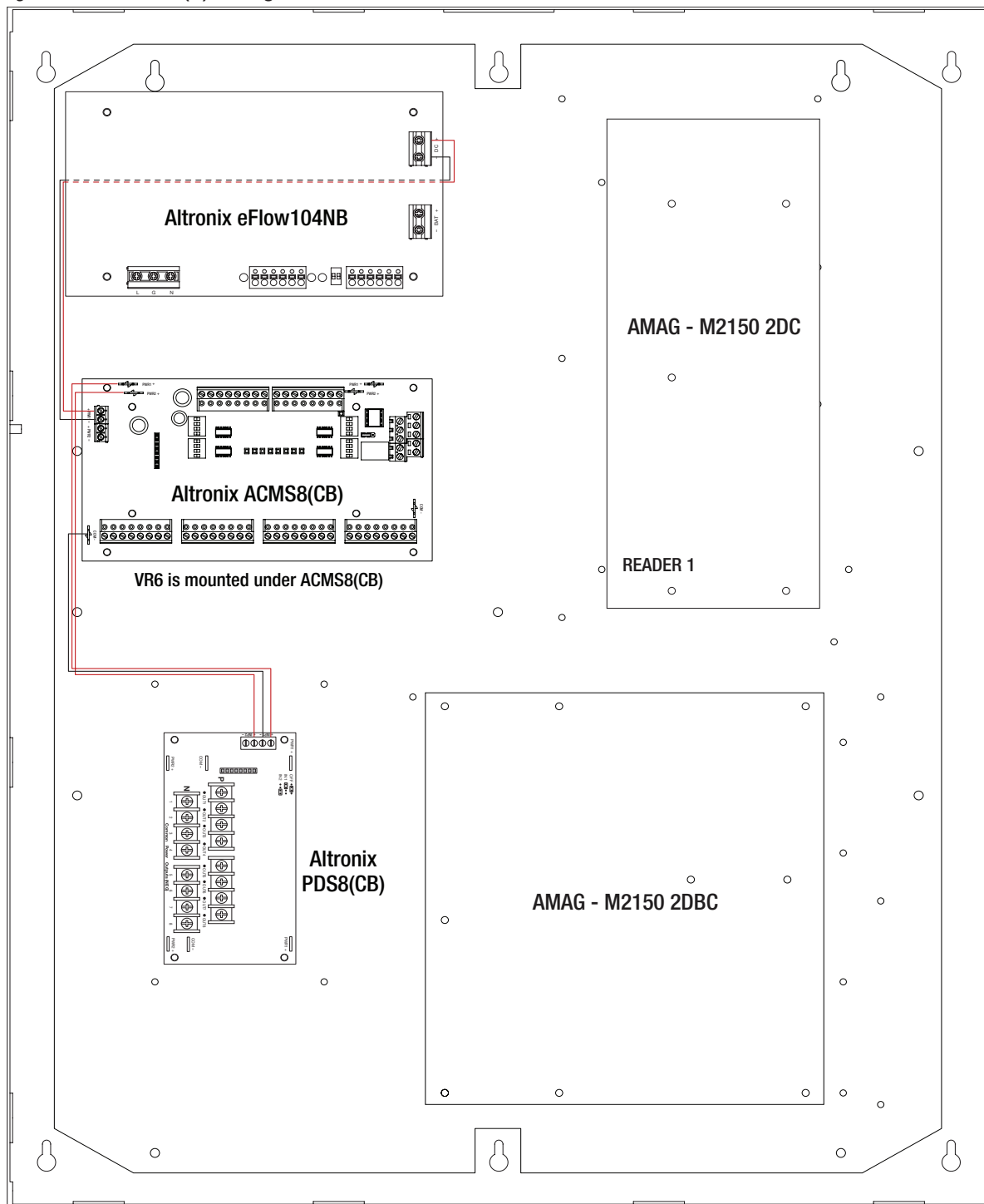
## T2AMK7F8S(D): Configuration of AMAG Modules AMAG M2150 2DC and M2150 2DBC:

1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M2150 2DC and 2150 2DBC modules.
3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 4, pg. 5*).

**Note:** AMAG M2150 2DC modules have specific markings. Please orient modules in the appropriate position according to the *Fig. 4* below.

4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

*Fig. 4 - T2AMK7F8S(D) Configurations*



*Fig. 4a*

## T2AMK7F8S(D): Configuration of AMAG Modules AMAG M2150 4DC, M2150 4DBC, M2150 8DBC:

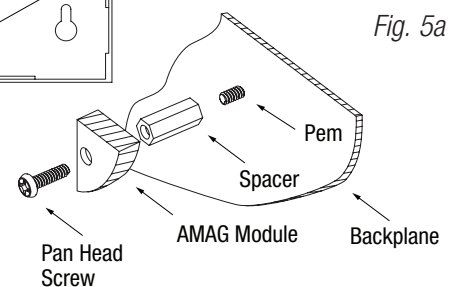
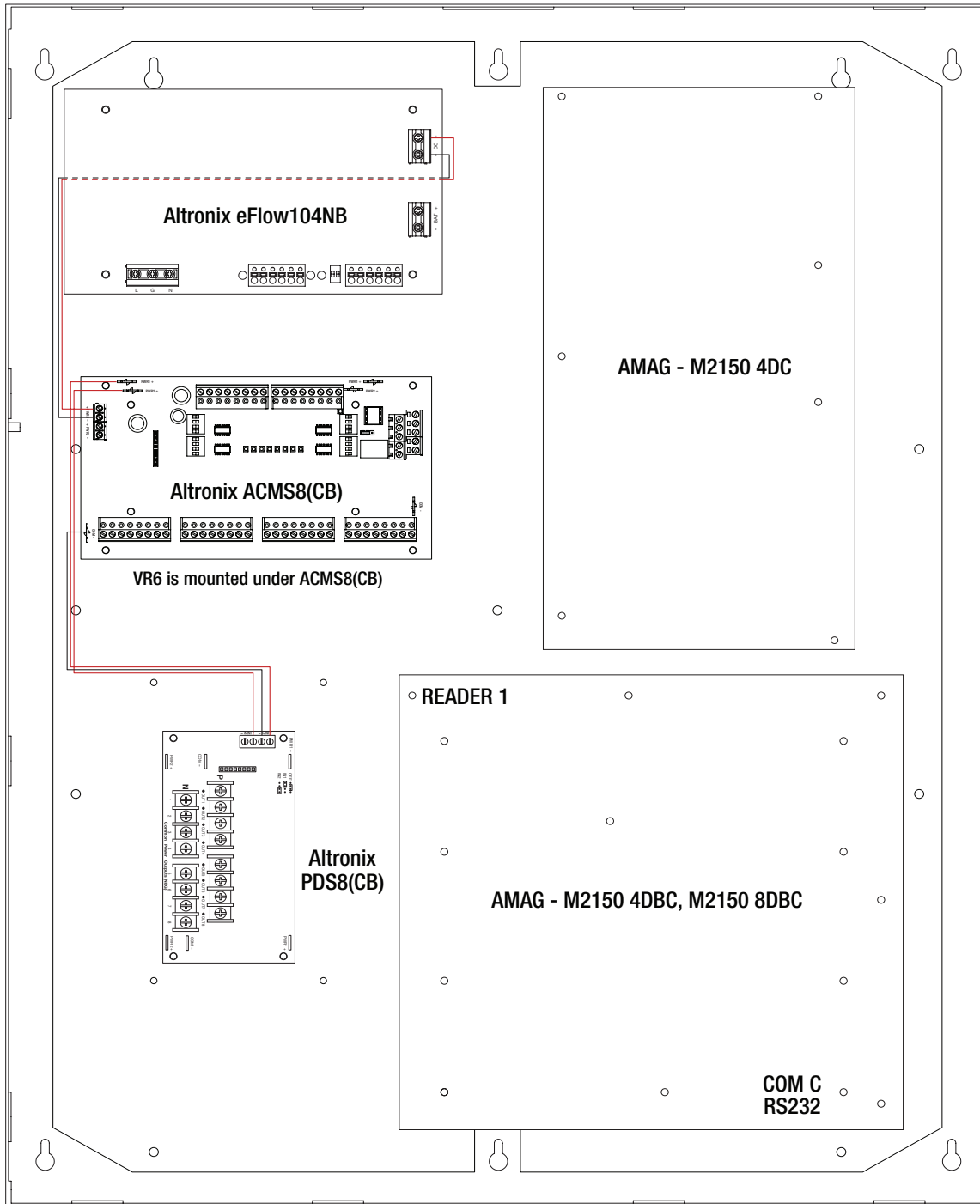
1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M2150 4DC, M2150 4DBC, M2150 8DBC modules.
3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 5, pg. 6*).

**Note:** AMAG M2150 4DBC and M2150 8DBC modules have specific markings.

Please orient modules in the appropriate position according to the *Fig. 5* below.

4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

**Fig. 5 - T2AMK7F8S(D) Configurations**



**Fig. 5a**

### T3AMK77F16S(D): Configuration of AMAG M2150 Modules:

1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
  2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M2150 modules.
  3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 6, pg. 7*).
- Note:** AMAG M2150 modules have specific markings. Please orient modules in the appropriate position according to the *Fig. 6* below.
4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

Fig. 6 - T3AMK77F16S(D) Configurations

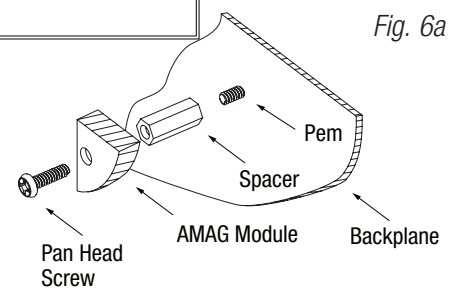
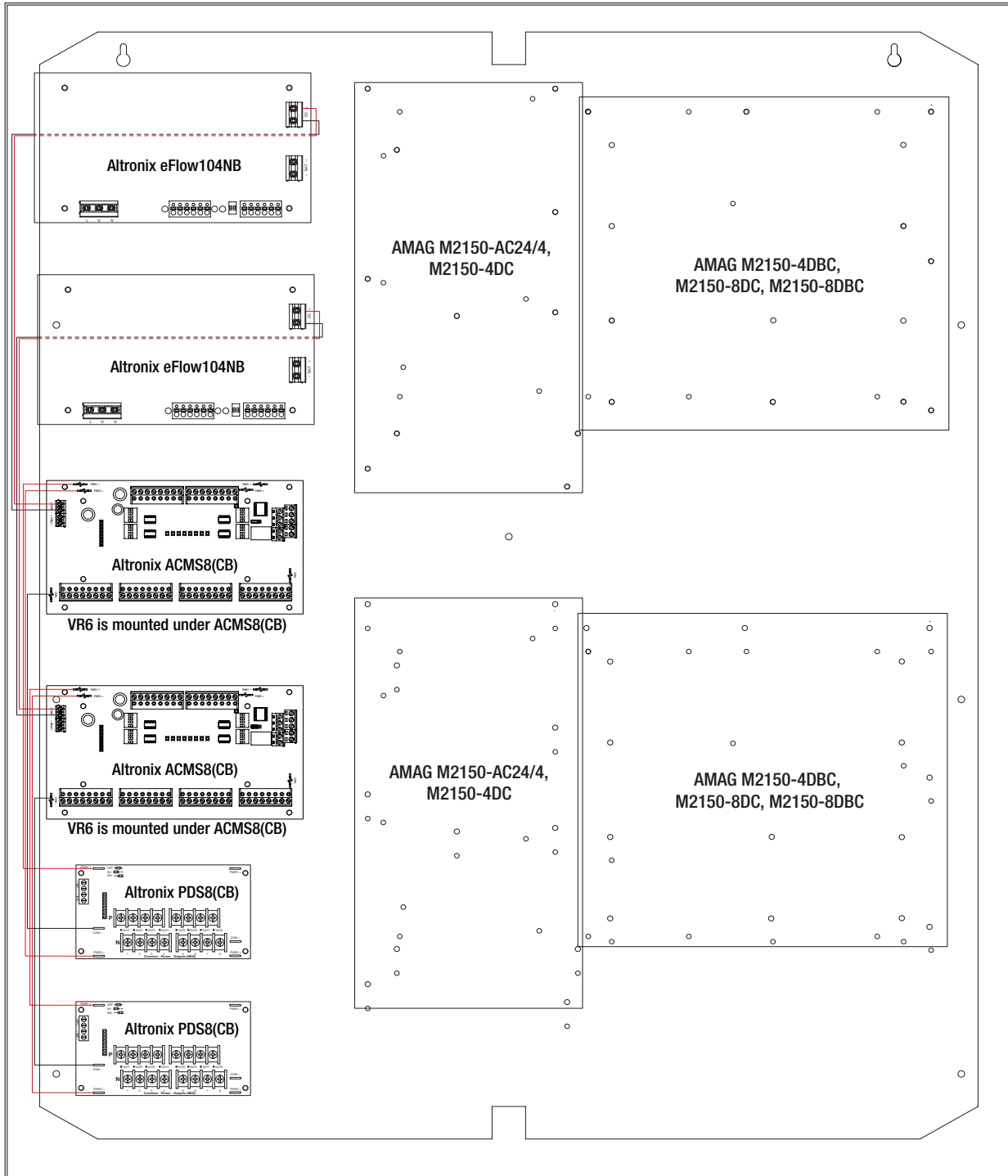


Fig. 6a

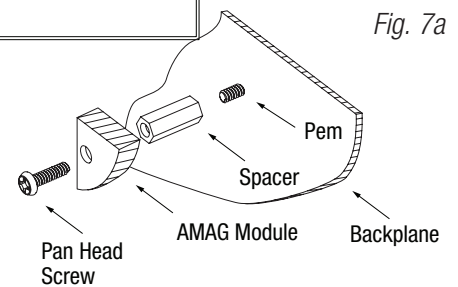
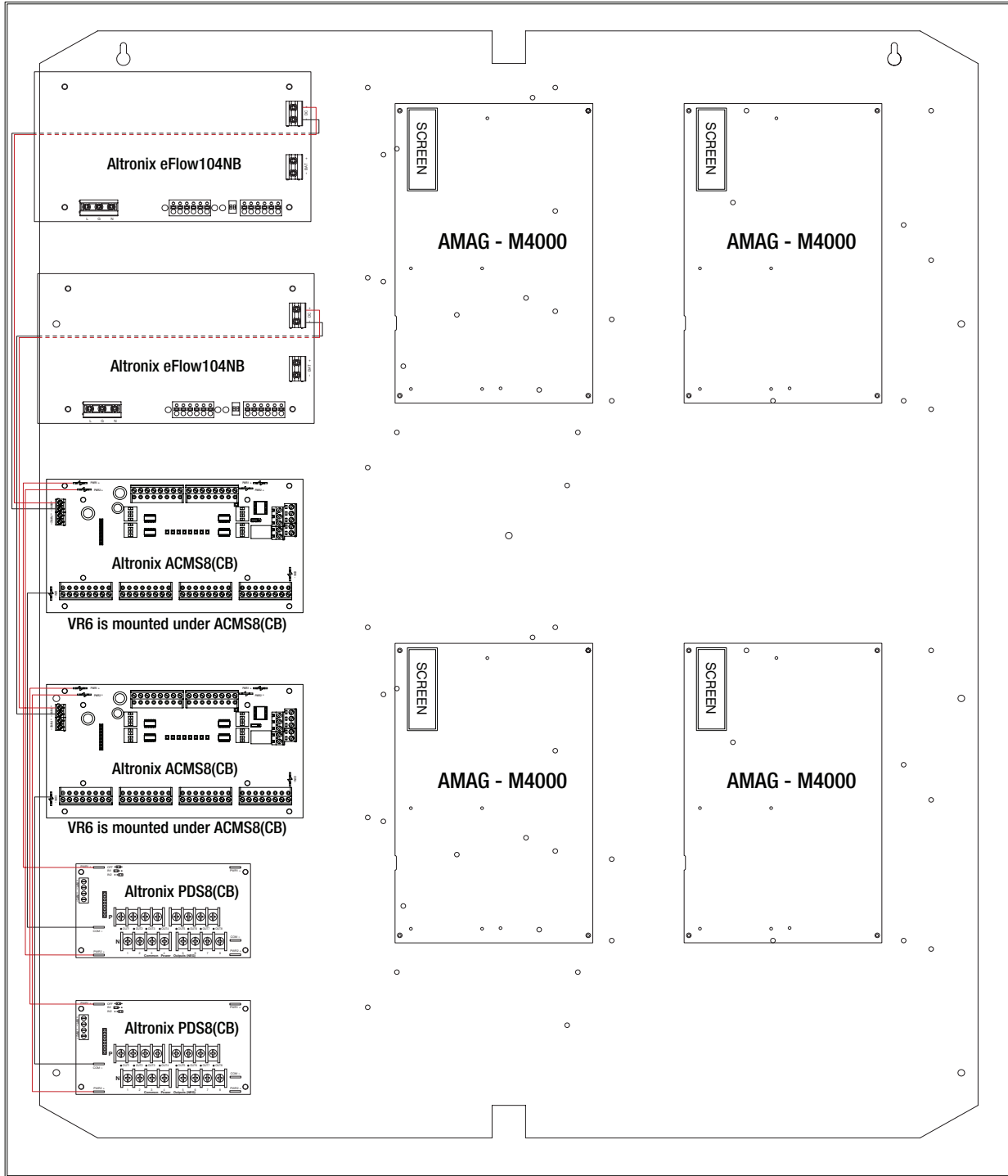
### T3AMK77F16S(D): Configuration of M4000 Modules:

1. Align the AMAG modules on the backplane to match the modules' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for AMAG M4000 modules.
3. Mount AMAG modules to spacers utilizing 5/16" pan head screws (provided) (*Fig. 7, pg. 8*).

**Note:** AMAG M4000 modules have one (1) screen. Please make sure that they are mounted correctly, as shown in *Fig. 7* below.

4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

*Fig. 7 - T3AMK77F16S(D) Configurations*

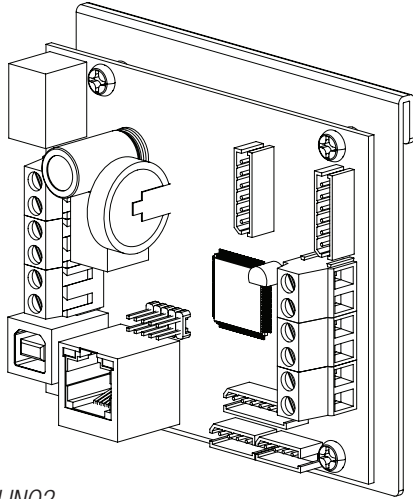


*Fig. 7a*





## eFlow Power Supply/Chargers can be Controlled and Monitored while Reporting Power/Diagnostics from Anywhere over the Network...



LINQ2

# LINQ™

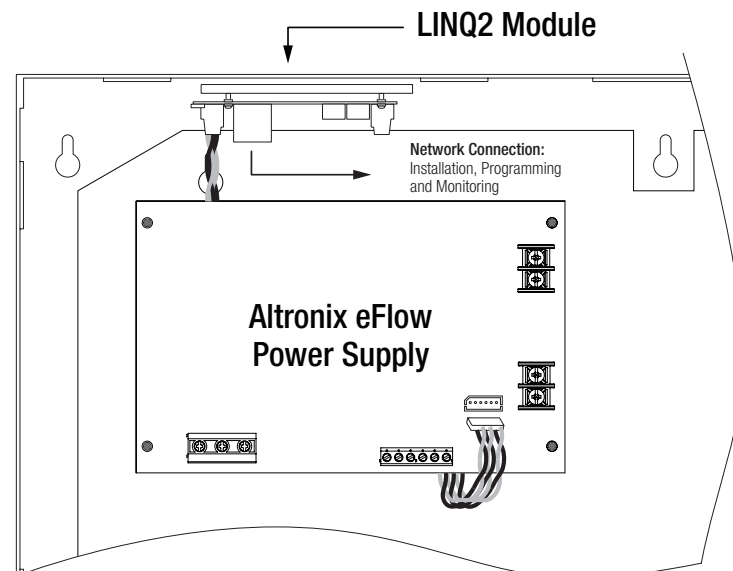
### LINQ2 - Network Communication Module

LINQ2 provides remote IP access to real-time data from eFlow power supply/chargers to help keep systems up and running at optimal levels. It facilitates fast and easy installation and set-up, minimizes system downtime, and eliminates unnecessary service calls, which helps reduce Total Cost of Ownership (TCO) - as well as creating a new source of Recurring Monthly Revenue (RMR).

### Features:

- UL Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access control and user management: Restrict read/write, Restrict users to specific resources
- Two (2) integral network controlled Form "C" Relays.
- Three (3) programmable input triggers: Control relays and power supplies via external hardware sources.
- Email and Windows Dashboard notifications
- Event log tracks history.
- Secure Socket Layer (SSL).
- Programmable via USB or web browser - includes operating software and 6 ft. USB cable.

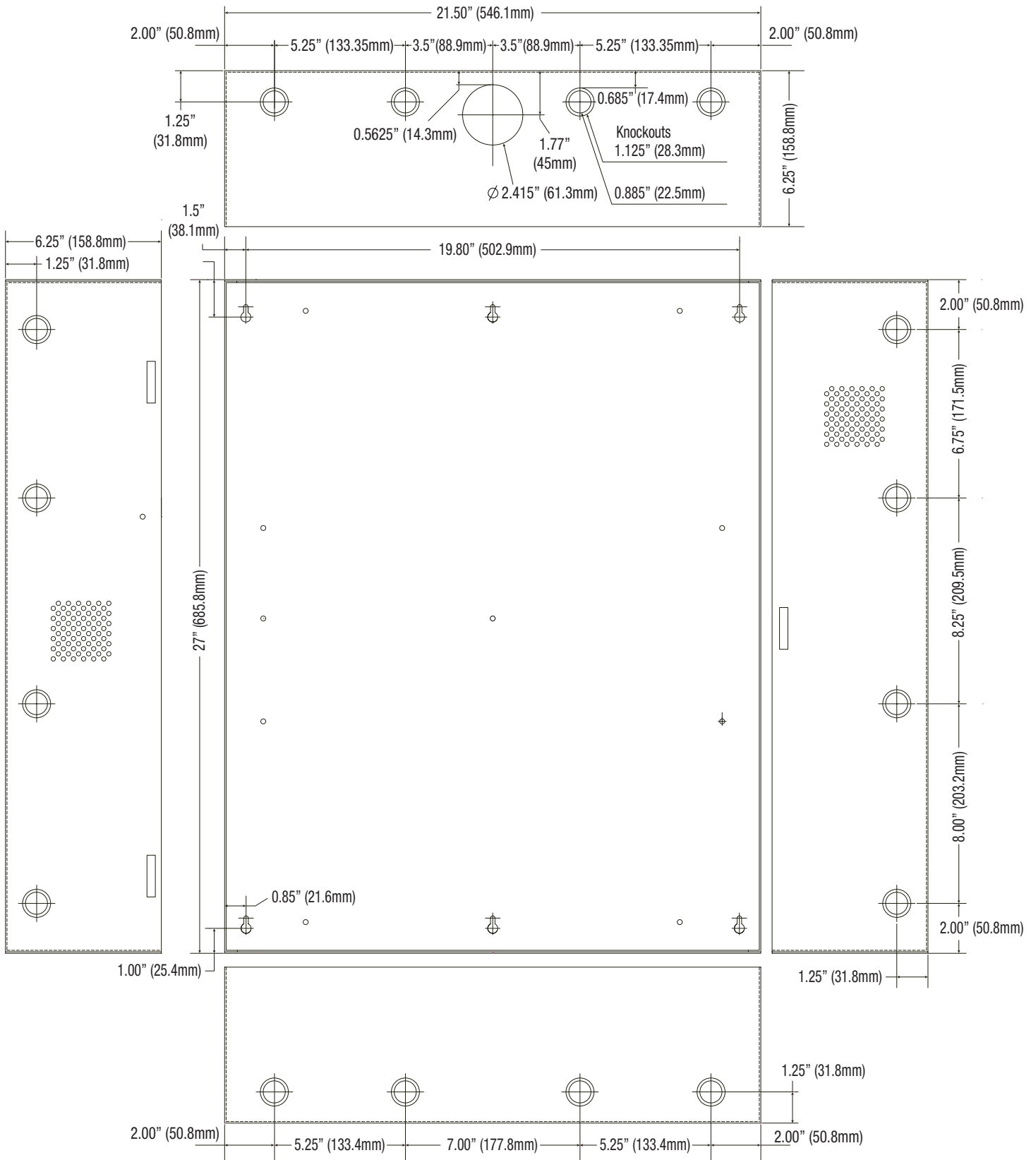
### LINQ2 Mounts Inside any Trove Enclosure



**Notes:**

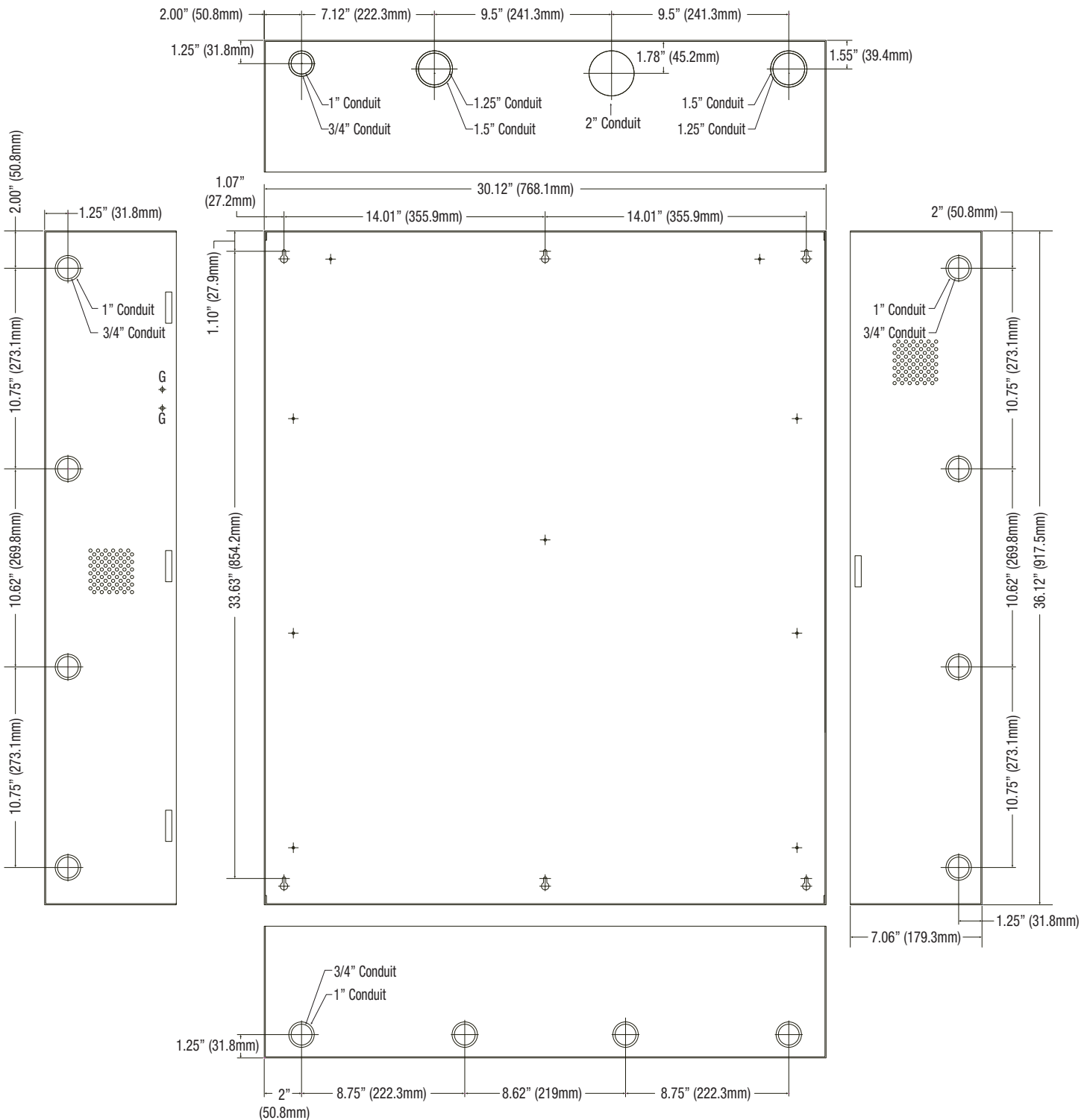
## T2AMK7F8(D) and T2AMK7F8S(D) Enclosure Dimensions (H x W x D approximate):

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



## T3AMK77F16S(D) 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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 website: [www.altronix.com](http://www.altronix.com) | e-mail: [info@altronix.com](mailto:info@altronix.com) | Lifetime Warranty  
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Trove AMAG Kits Installation Guide