TROVE™
Access & Power Integration

Altronix/Axis Communications Kits

Models Include:

T2AXK7F8S
8 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with TAX2 Altronix/Axis Communications 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

T3AXK77F16S
16 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove3 enclosure with TV3 Altronix/Axis Communications backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS16 - Dual Input Fused Power Distribution Modules

T3AXK77F16Q
16 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove3 enclosure with TV3 Altronix/Axis Communications backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) LINQ8ACM - Networked Fused Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS16 - Dual Input Fused Power Distribution Modules

T2AXK7F8SD
8 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with TAX2 Altronix/Axis Communications 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

T3AXK77F16SD
16 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove3 enclosure with TV3 Altronix/Axis Communications backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS16CB - Dual Input PTC Power Distribution Modules

T3AXK77F16DQ
16 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove3 enclosure with TV3 Altronix/Axis Communications backplane
- Two (2) eFlow104NB - Power Supply/Chargers
- Two (2) LINQ8ACMCB - Networked PTC Access Power Controllers
- Two (2) VR6 - Voltage Regulators
- Two (2) PDS16CB - Dual Input PTC Power Distribution Modules

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

Installation Guide

CE

Rev. 010324

Altronix®

More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Axis Communications 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 Axis Communications modules for up to sixteen doors in a single enclosure.
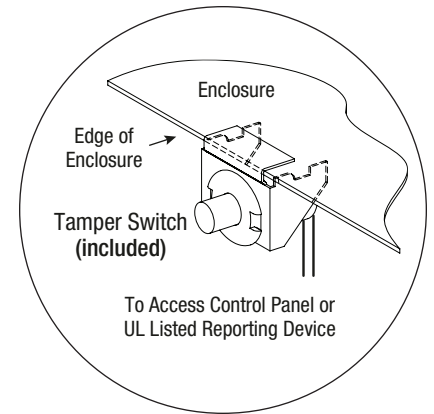
Configuration Chart:

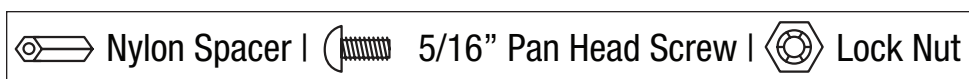| Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB) or LINQ8ACM(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB) or LINQ8ACM(CB) Output (A)	ACMS8(CB) or LINQ8ACM(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) or LINQ8ACM(CB) Board Output Fuse (PTC) Rating	PDS8(CB) or PDS16(CB) Board Input Fuse (PTC) Rating	PDS8(CB) or PDS16(CB) Board Output Fuse (PTC) Rating
T2AXK7F8S	4.5	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 9.2A	8	2.5	15A/ 32V	3A/ 32V	10A/ 32V	3A/ 32V
T2AXK7F8SD								2.0	9A	2.5A	9A	2.5A
T3AXK77F16S	9.0	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 9.2A	16	2.5	15A/ 32V	3A/ 32V	15A/ 32V	3A/ 32V
T3AXK77F16SD								2.0	9A	2.5A	9A	2.5A
T3AXK77F16Q	9.0	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 9.2A	16	2.5	15A/ 32V	3A/ 32V	15A/ 32V	3A/ 32V
T3AXK77F16DQ								2.0	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 two/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 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 Axis Communications modules to backplane(s), refer to *page 3-5*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACMS8(CB), LINQ8ACM(CB), PDS16(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1

Enclosure
Edge of Enclosure →
Tamper Switch (included)
To Access Control Panel or UL Listed Reporting Device

Hardware:

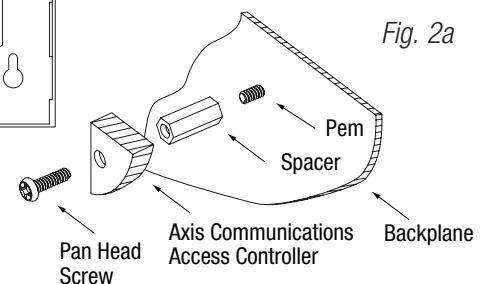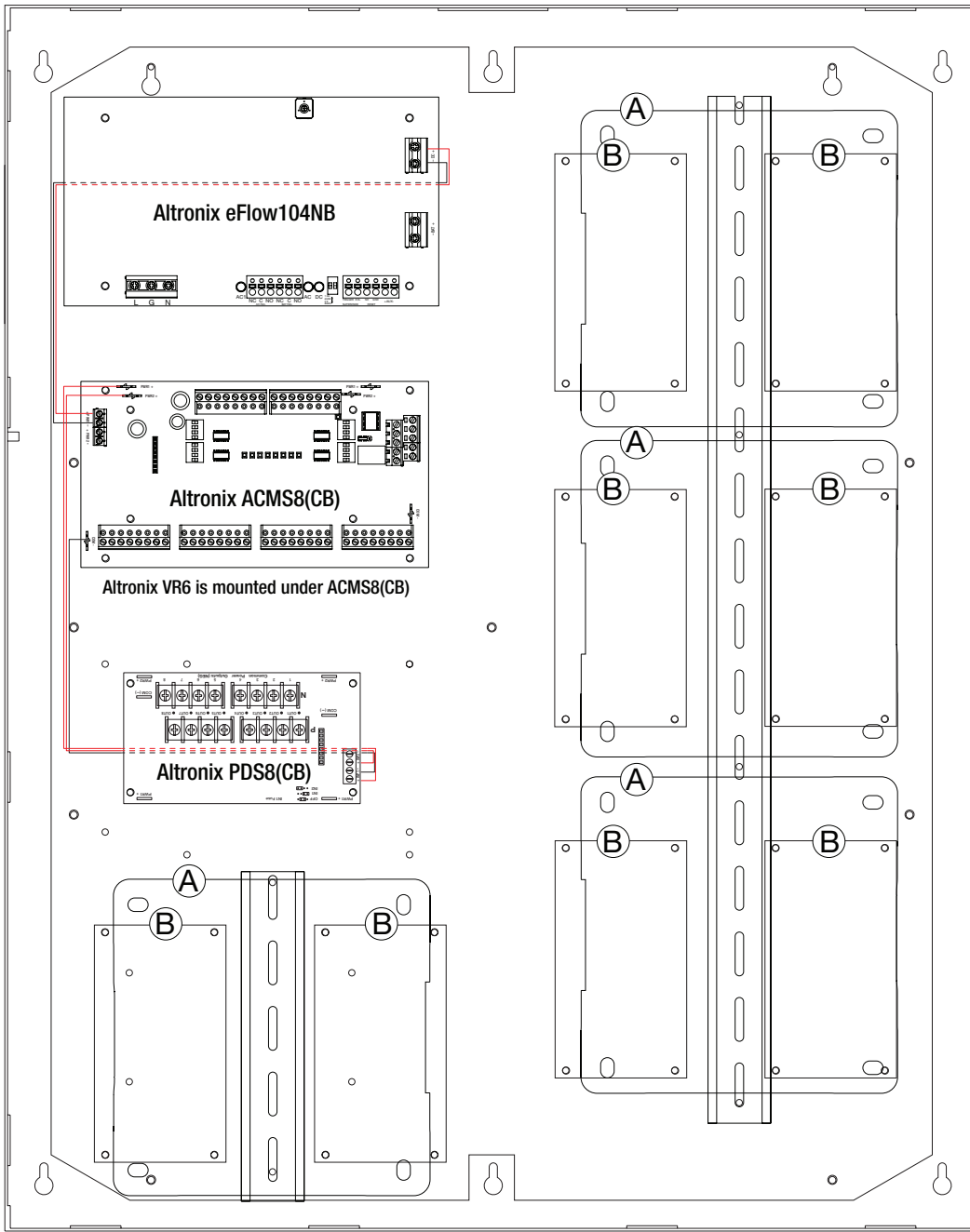◇▭ Nylon Spacer | ▭▭▭ 5/16" Pan Head Screw | ◎ Lock Nut

T2AXK7F8S(D): Installation Instructions for Axis Communications Access Controllers on TAX2:

1. For Axis 1601, Axis 1610: fasten DIN Rail (provided) to pem spacers, utilizing 5/16" pan head screws (included) *(Fig. 2, pg. 3)*.
2. For Axis 1210: fasten spacers (provided) into pem configuration (B) of backplane *(Fig. 2, pg. 3)*.
3. Mount boards to spacers utilizing 5/16" pan head screws (provided) *(Fig. 2a, pg. 3)*.
4. Mount backplane to enclosure with hardware.

Axis Communications Access Controller Position Chart for the Following Models:

Altronix/Axis Communications	Pem Mounting
Axis 1601, Axis 1610 (mounted onto DIN Rail)	Ⓐ
Axis 1210	Ⓑ

Fig. 2

Fig. 2a

T3AXK77F16S(D): Installation Instructions for Axis Communications Access Controllers on TV2:

1. Fasten DIN Rail (provided) to pem spacers, utilizing 5/16" pan head screws (included) *(Fig. 3, pg. 4)*.
2. Mount Axis modules to DIN Rail *(refer to below chart for model number, Fig. 3, pg. 4)*.
3. Fasten TV3 backplane to Trove3 enclosure utilizing lock nuts (provided by Altronix).

Axis Communications Access Controller Position Chart for the Following Models:

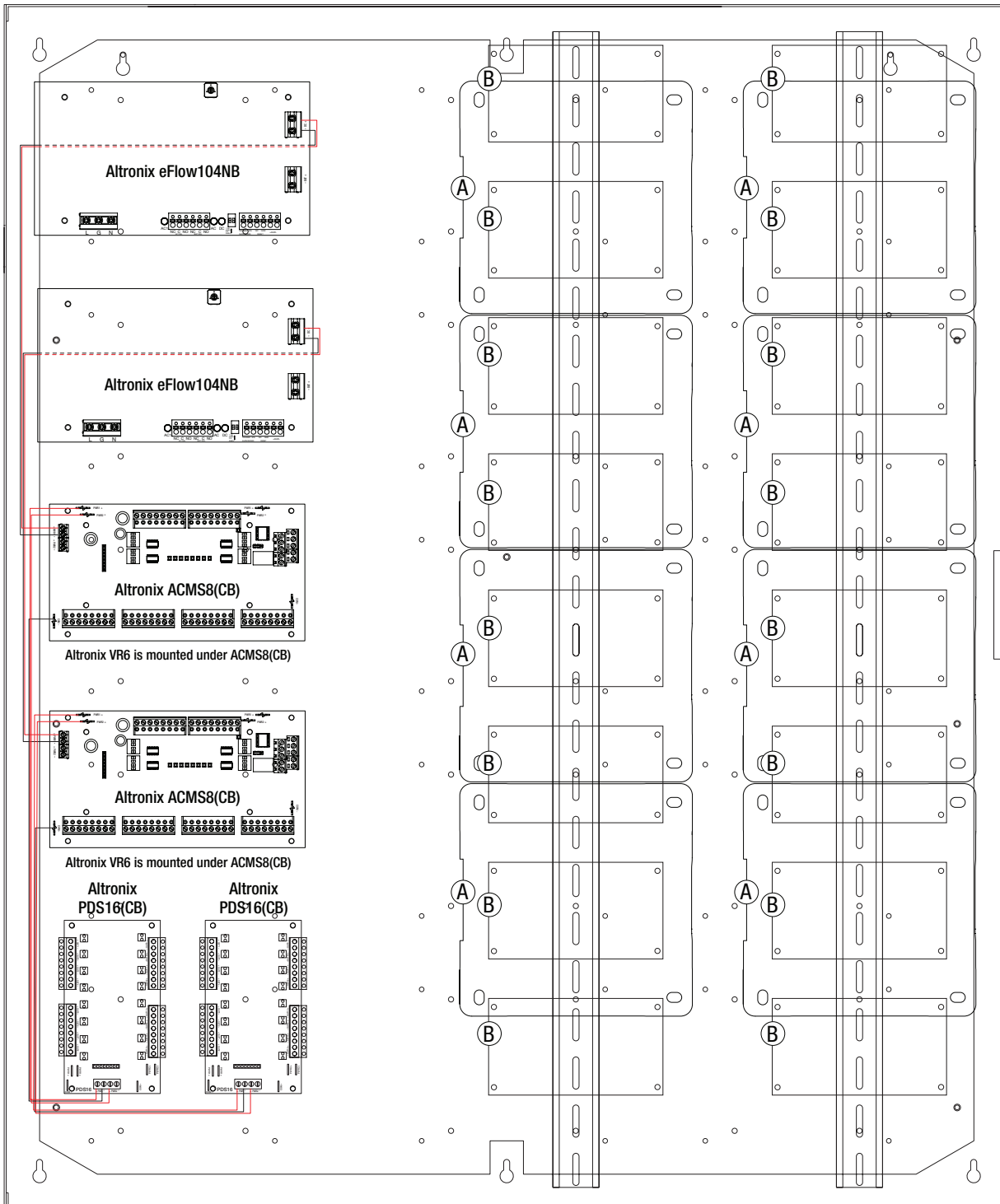| Altronix/Axis Communications	Pem Mounting
Axis 1601, Axis 1610 (mounted onto DIN Rail)	Ⓐ
Axis 1210 (mounted onto DIN Rail)	Ⓑ

Fig. 3

T3AXK77F16(D)Q: Installation Instructions for Axis Communications Access Controllers on TV2:

1. Fasten DIN Rail (provided) to pem spacers, utilizing 5/16" pan head screws (included) *(Fig. 4, pg. 5)*.
2. Mount Axis modules to DIN Rail *(refer to below chart for model number, Fig. 4, pg. 5)*.
3. Fasten TV3 backplane to Trove3 enclosure utilizing lock nuts (provided by Altronix).

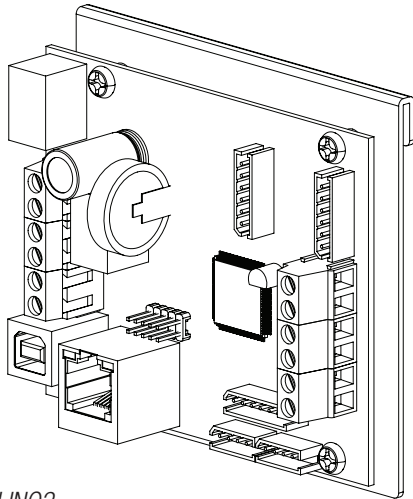## Axis Communications Access Controller Position Chart for the Following Models:

Altronix/Axis Communications	Pem Mounting
Axis 1601, Axis 1610 (mounted onto DIN Rail)	Ⓐ
Axis 1210 (mounted onto DIN Rail)	Ⓑ

Fig. 4

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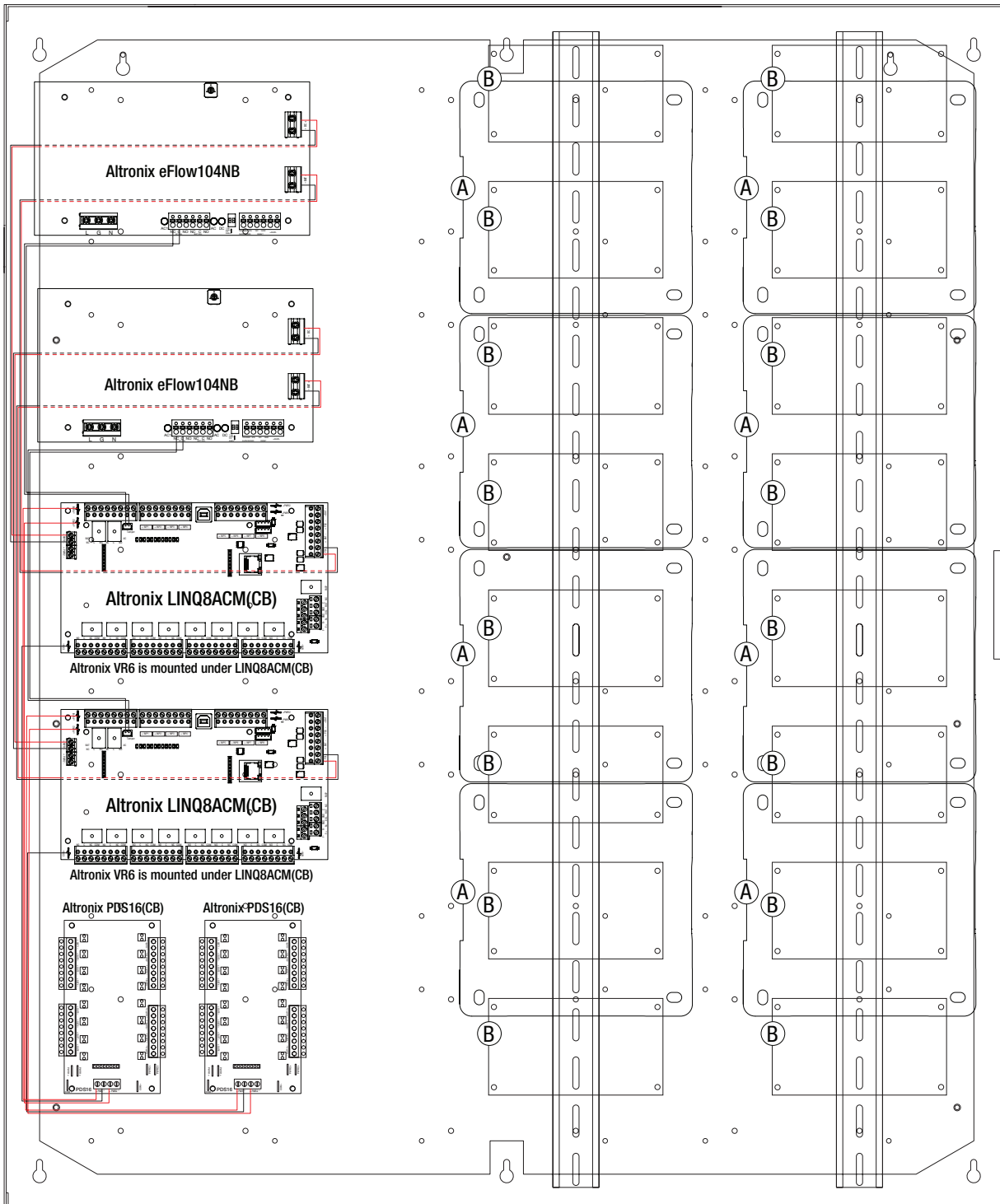
eFlow Power Supply/Chargers can be Controlled and Monitored while Reporting Power/Diagnostics from Anywhere over the Network...

LINQ™

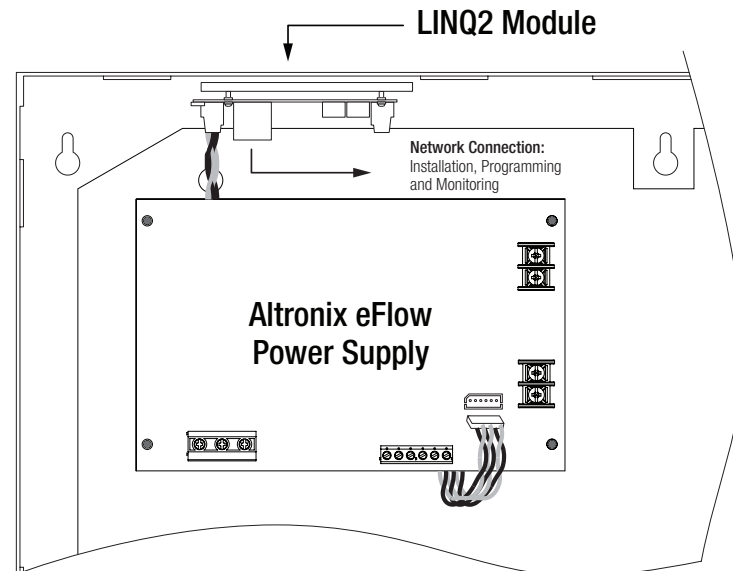### LINQ2 - Network Communication Module

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).

LINQ2

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 managment: 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

LINQ2 Module

Network Connection:
Installation, Programming
and Monitoring

Altronix eFlow
Power Supply

T2AXK7F8S(D) Enclosure Dimensions (H x W x D approximate):
27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm)

21.50" (546.1mm)

2.00" (50.8mm)

5.25" (133.35mm) — 3.5" (88.9mm) — 3.5" (88.9mm) — 5.25" (133.35mm)

2.00" (50.8mm)

1.25" (31.8mm)

0.685" (17.4mm)

0.5625" (14.3mm)

1.77" (45mm)

Knockouts
1.125" (28.3mm)

6.25" (158.8mm)

⌀ 2.415" (61.3mm)

0.885" (22.5mm)

1.5" (38.1mm)

6.25" (158.8mm)

1.25" (31.8mm)

19.80" (502.9mm)

2.00" (50.8mm)

6.75" (171.5mm)

27" (685.8mm)

8.25" (209.5mm)

8.00" (203.2mm)

0.85" (21.6mm)

2.00" (50.8mm)

1.00" (25.4mm)

1.25" (31.8mm)

1.25" (31.8mm)

2.00" (50.8mm)

5.25" (133.4mm) — 7.00" (177.8mm) — 5.25" (133.4mm)

2.00" (50.8mm)

T3AXK77F16S(D) and T3AXK77F16(D)Q Enclosure Dimensions (H x W x D approximate):
36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

2.00" (50.8mm)   7.12" (222.3mm)   9.5" (241.3mm)   9.5" (241.3mm)

1.25" (31.8mm)   1.78" (45.2mm)   1.55" (39.4mm)

1" Conduit   1.25" Conduit   1.5" Conduit
3/4" Conduit   1.5" Conduit   2" Conduit   1.25" Conduit

2.00" (50.8mm)

1.25" (31.8mm)

1" Conduit
3/4" Conduit

G
G

10.75" (273.1mm)

10.62" (269.8mm)

10.75" (273.1mm)

1.07" (27.2mm)

30.12" (768.1mm)

14.01" (355.9mm)   14.01" (355.9mm)

1.10" (27.9mm)

33.63" (854.2mm)

2" (50.8mm)

1" Conduit
3/4" Conduit

10.75" (273.1mm)

10.62" (269.8mm)

10.75" (273.1mm)

36.12" (917.5mm)

1.25" (31.8mm)

7.06" (179.3mm)

3/4" Conduit
1" Conduit

1.25" (31.8mm)

2" (50.8mm)   8.75" (222.3mm)   8.62" (219mm)   8.75" (222.3mm)

A03X

MEMBER