TROVE™ PLUS
Access & Power Integration

Altronix/Azure Wired Kits

Models Include:

T2AA7516CK2
16 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with TAA2 Altronix/Azure backplane and TMV2 door backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- Two (2) PDS8 - Dual Input Fused Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches
- Wire harnesses for one (1) IC2 and seven (7) RI2M

T2AA7516CK2D
16 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with TAA2 Altronix/Azure backplane and TMV2 door backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) eFlow102NB - Power Supply/Charger
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- Two (2) PDS8CB - Dual Input PTC Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches
- Wire harnesses for one (1) IC2 and seven (7) RI2M

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

Installation Guide

CE

Altronix®
More than just power.™

Installing Company: _____   Service Rep. Name: _____

Address: _____   Phone #: _____

Overview:

Altronix T2AA7516CK2(D) Trove Azure kit is pre-assembled and consists of Trove enclosure/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. It also accommodates a variety of Azure modules for up to fourteen doors in a single enclosure.
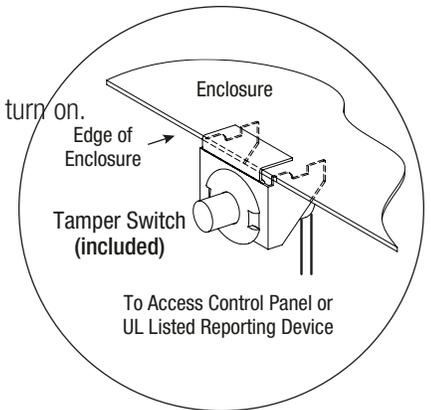
Configuration Chart:

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 and ACMS8(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per LINQ8ACM(CB) Output (A)	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
				Power Supply 1		Power Supply 2								
				[DC]	[Aux]	[DC]	[Aux]							
				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)							
T2AA7516CK2	8	eFlow104NB: 6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.2A	16	2.5	15A/32V	3A/32V	15A/32V	3A/32V
T2AA7516CK2D		eFlow102NB: 5A/250V								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 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. Connect unswitched AC power (120VAC 60Hz) to RSB2. 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 Azure modules to backplane(s), refer to *page 3, 4*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and eFlow102NB and corresponding *Installation Guides* for ACMS8(CB) and PDS8(CB) for further installation instructions.
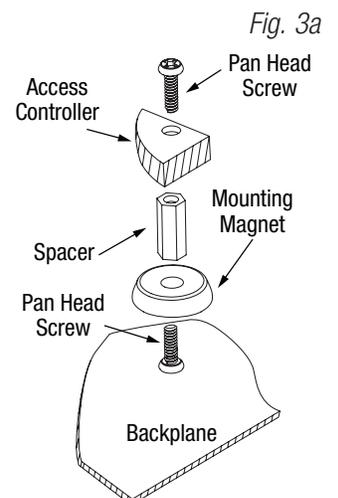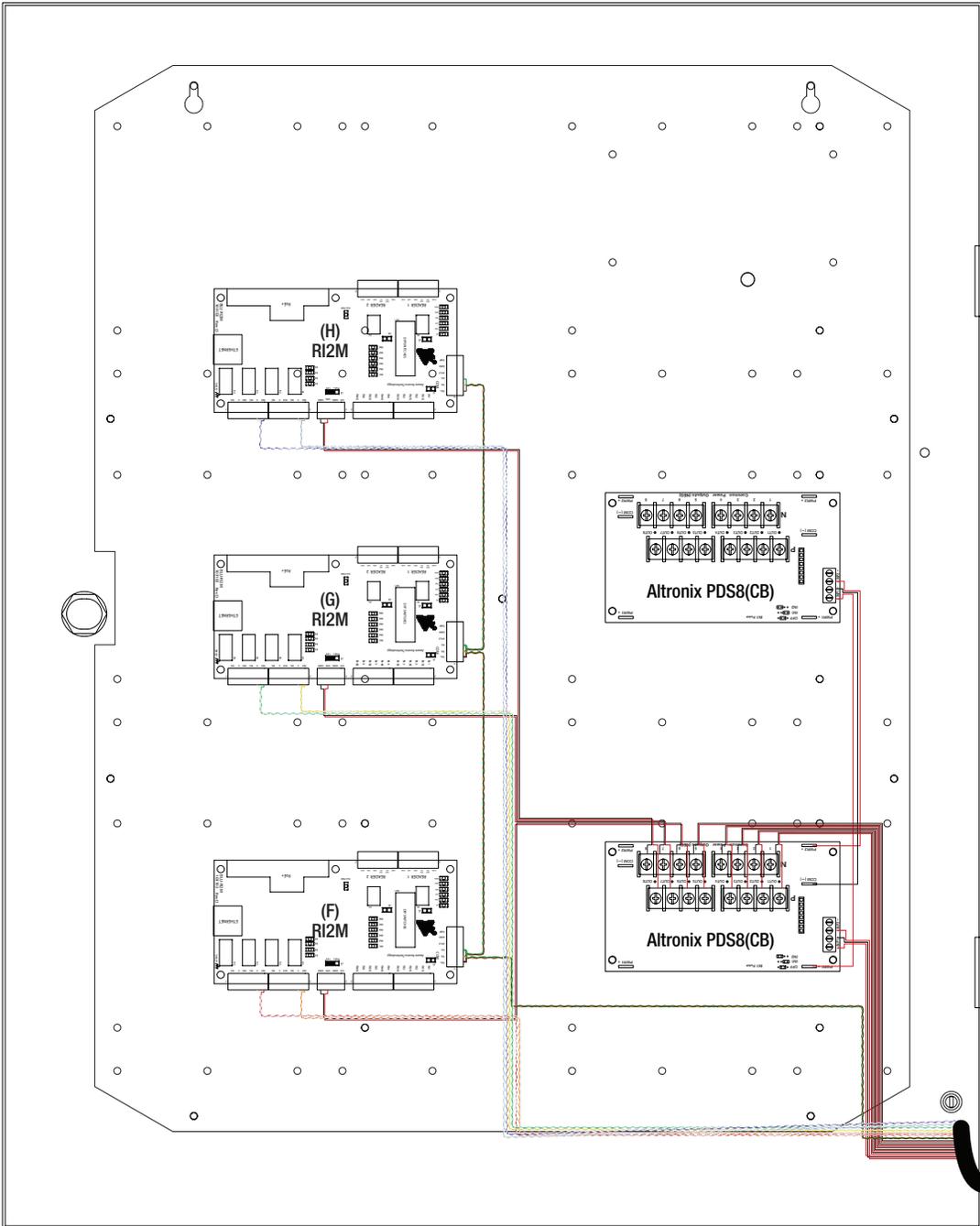
Fig. 1

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

T2AA7516CK2(D): Configuration of Azure Modules on TAA2 Backplane:

1. Fasten spacers (provided) to pems that match the hole pattern for Azure Modules *(Fig. 2, pg.3)*.
2. Mount Azure modules to spacers utilizing 5/16" pan head screws (provided) *(Fig. 2a, pg. 3)*.
3. Fasten TAA2 backplane to Trove2 enclosure utilizing hardware (provided).

Azure Access Controller Position Chart for the Following Models:

Altronix/Azure	Pem Mounting
IC4	Ⓐ
IC2	Ⓑ
RI2M	Ⓒ

Fig. 2a

Backplane

Pem

Spacer

Azure Module

Pan Head Screw

T2AA7516CK2(D): Installation Instructions for Azure Access Controllers on TMV2:
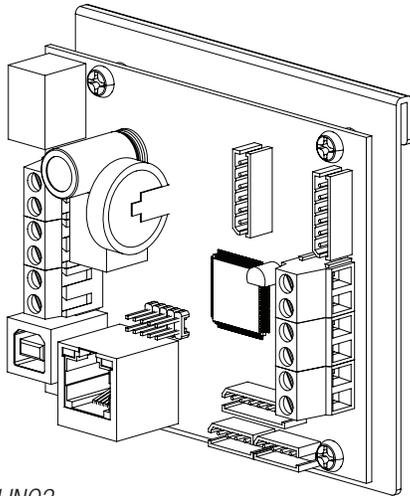
1. Fasten mounting magnets (provided) to Azure RI2M with screws and spacers (provided) using the controllers' mounting holes *(Fig. 3, pg. 4)*.
2. Attach mounting magnets to TMV2 in the approximate position as shown below *(Fig. 2a, pg. 3)*.
3. Fasten TMV2 backplane to Trove2 enclosure utilizing provided hardware.

Fig. 3

(H) RI2M

(G) RI2M

(F) RI2M

Altronix PDS8(CB)

Altronix PDS8(CB)

Fig. 3a

Access Controller

Pan Head Screw

Mounting Magnet

Spacer

Pan Head Screw

Backplane

Altronix®

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

LINQ™

LINQ2

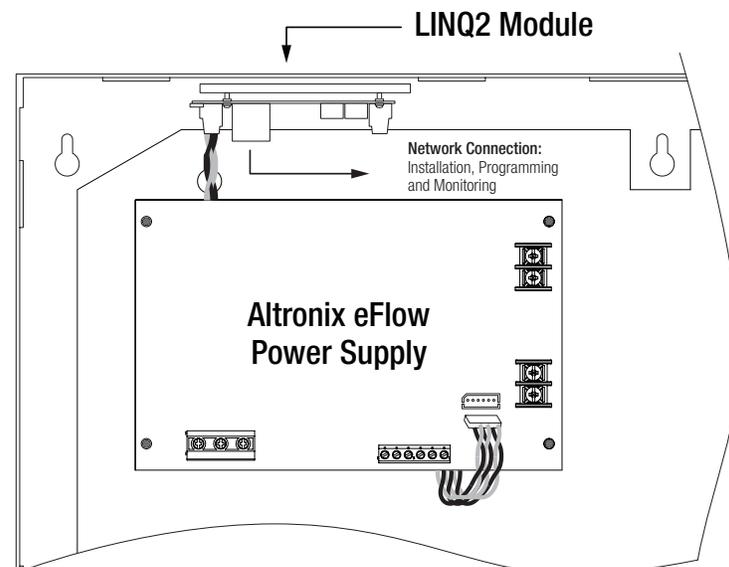## LINQ2 - Network Communication Module

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 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.
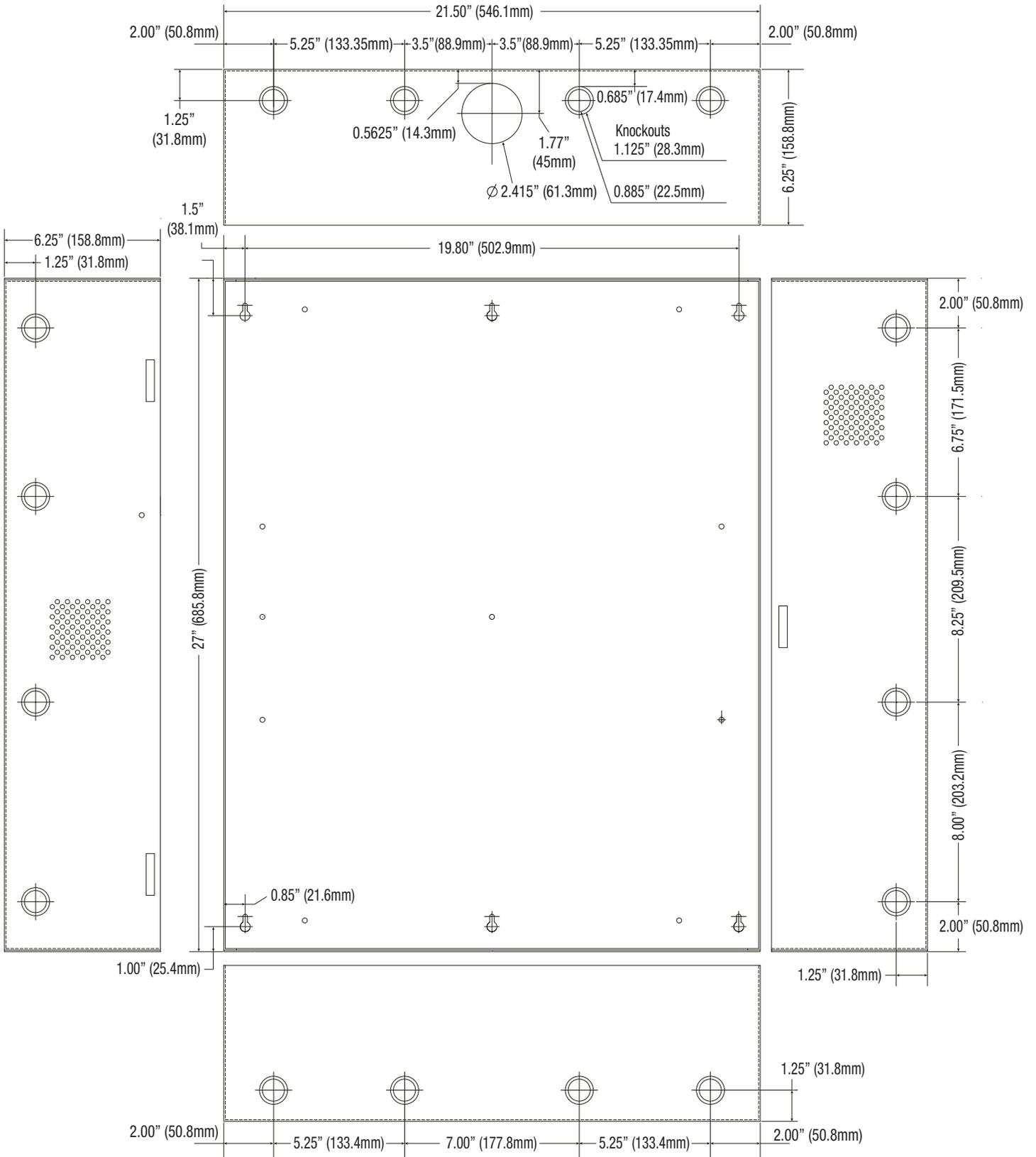
LINQ2 Mounts Inside any Trove Enclosure

LINQ2 Module

Network Connection:
Installation, Programming
and Monitoring

Altronix eFlow
Power Supply

Notes:

Notes:

Trove2 Enclosure Dimensions (H x W x D approximate):
27.25" x 21.5" 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)

0.5625" (14.3mm)

1.77" (45mm)

0.685" (17.4mm)

Knockouts
1.125" (28.3mm)

∅ 2.415" (61.3mm) 0.885" (22.5mm)

6.25" (158.8mm)

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)

0.85" (21.6mm)

8.00" (203.2mm)

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)

MEMBER

T2AA7516CK2(D) Installation Guide