TROVE™

Access & Power Integration

Altronix/Paxton Kits

Models Include:

T2PXK7F8V

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPX2 Altronix/Paxton backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2PXK7F8DV

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TPX2 Altronix/Paxton backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

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

Installation Guide

CE

Altronix®

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Rev. TPXKV_050521

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Paxton kits are pre-assembled and consist of Trove2PX2 enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies. They also accommodate up to eight (8) Paxton Net2 Plus modules for up to eight (8) doors in a single enclosure.

Configuration Chart:

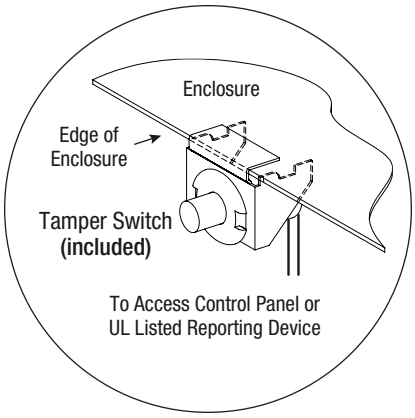
Altronix Model Number	220VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controller's outputs	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Class 2 Rated Power-Limited Outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fuse or PTC Protected Outputs	ACM8(CB) Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACM8CB Board Output PTC Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating	PDS8CB Board Input PTC Rating	PDS8CB Board Output PTC Rating
T2PXK7F8V	2.5	6.3A/ 250V	15A/ 32V	24VDC @ 9.7A	20.17-26.4	20.28-26.4	–	8	8	10A/ 250V	2.5A/ 250V	–	10A/ 32V	3A/ 32V	–	–
T2PXK7F8DV							✓	8	8	10A/ 250V	–	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 (220VAC 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 (220VAC 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 Paxton modules to TPX2 backplane, refer to *pages 3-4*.
7. Refer to the *eFlow NBV Power Supply/Charger Installation Guide* for eFlow104NBV and corresponding *Sub-Assembly Installation Guides* for the following models: ACM8(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1



Hardware:

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

T2PXK7F8(D)V: Configuration of Paxton Net2 Plus Modules:

1. Align the Paxton Net2 Plus modules on the backplane to match the modules' mounting holes with corresponding pems.
2. Fasten spacers (provided) onto metal pems *(Fig. 2a, pg. 3)*.
3. Mount Paxton Net2 Plus modules to spacers utilizing pan head screws (provided) *(Fig. 2a, pg. 3)*.
   Note: Paxton Net2 Plus modules have one (1) RJ45 jack and one (1) switch each.
   Please make sure that they are mounted correctly, as shown in *Fig. 2* below.
4. Fasten TPX2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 2 - **T2PXK7F8(D)V with Paxton Net2 Plus Modules:**

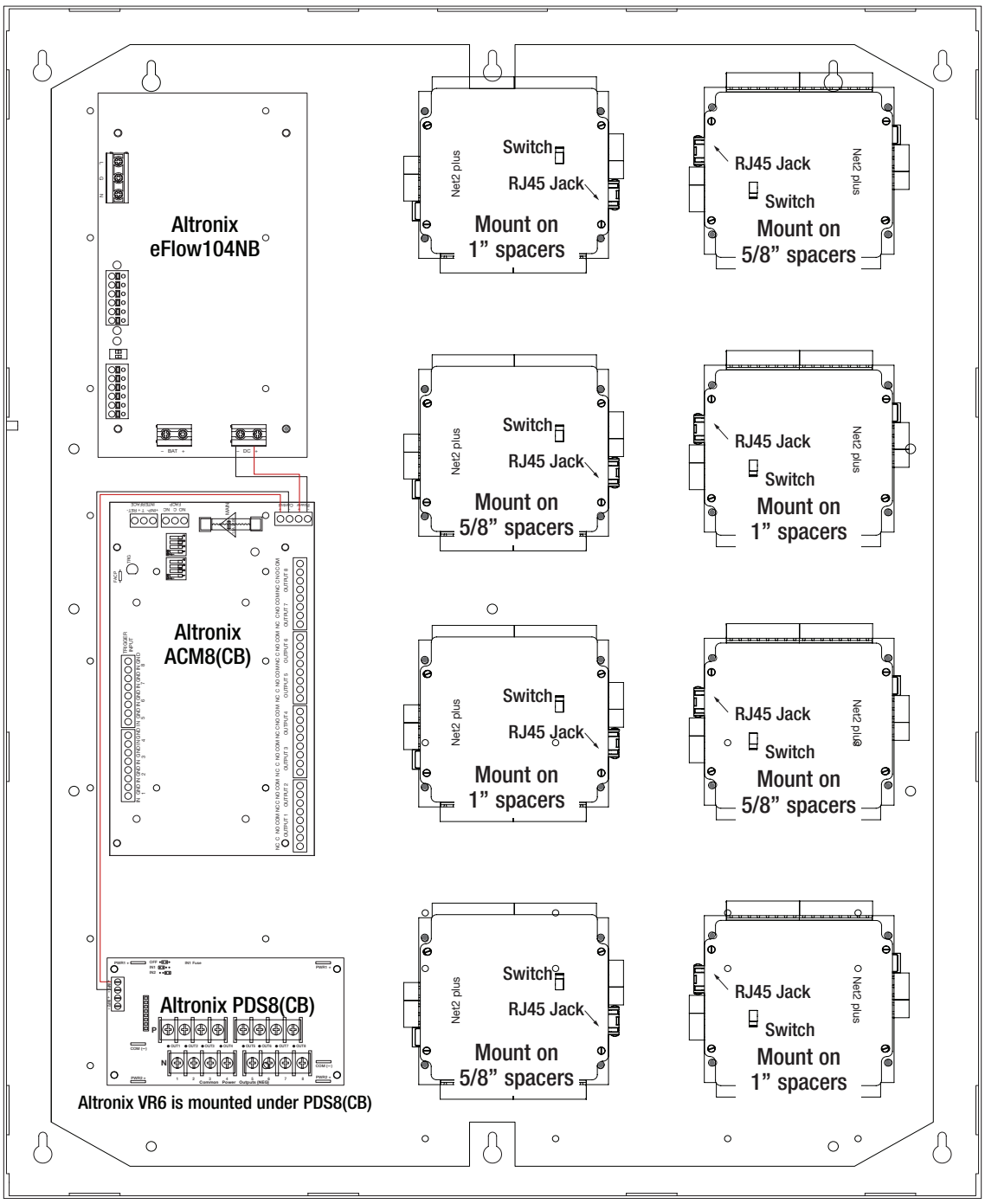
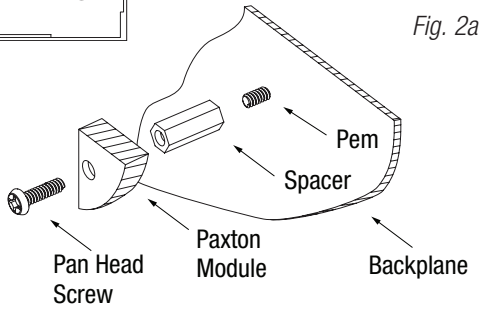


Fig. 2a



T2PXK7F8(D)V: Configuration of Paxton 10 Modules:

1. Align the Paxton 10 modules on the backplane to match the modules' mounting holes with corresponding pems.
2. Fasten spacers (provided) onto metal pems *(Fig. 3a, pg. 4)*.
3. Mount Paxton 10 modules to spacers utilizing pan head screws (provided) *(Fig. 3a, pg. 4)*.
   Note: Paxton 10 modules have RJ45 jacks. Please make sure that they are mounted correctly, as shown in *Fig. 3* below.
   For more convenient access to RJ45 jacks, use 1" and 5/8" spacers (both length are included) alternatively, as suggested below.
4. Fasten TPX2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 3 - **T2PXK7F8(D) with Paxton 10 Modules:**

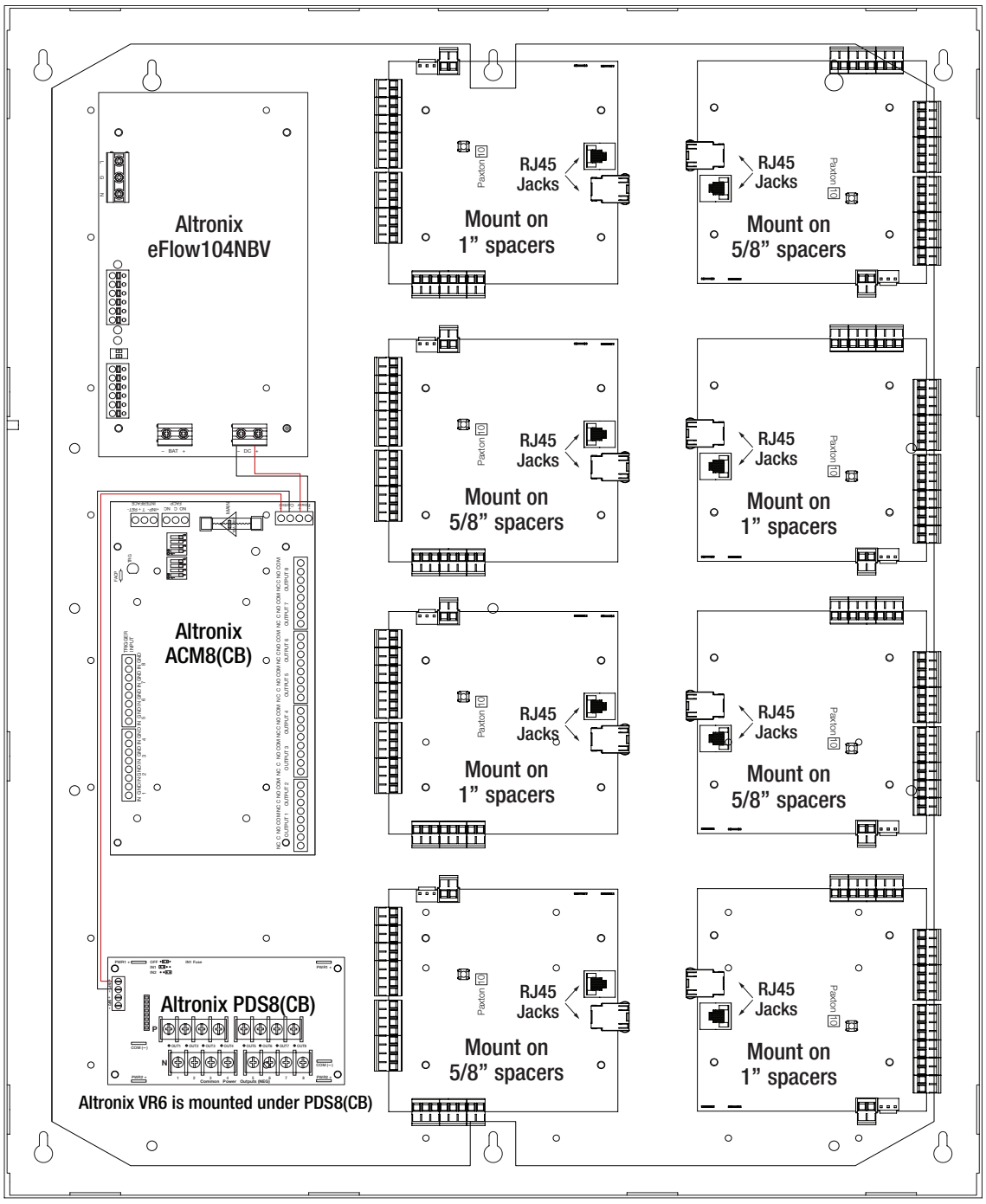
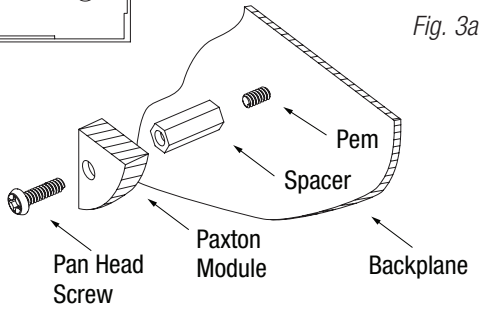


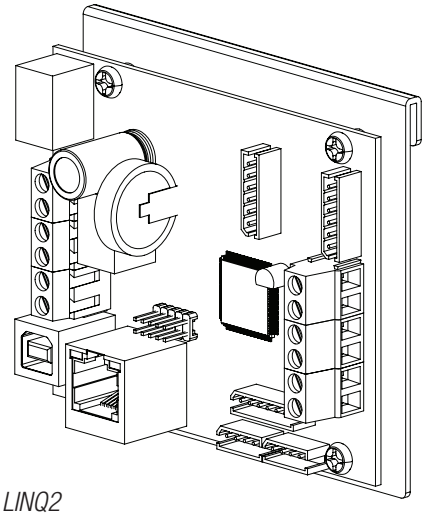
Fig. 3a



Notes:

Notes:

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



LINQ2

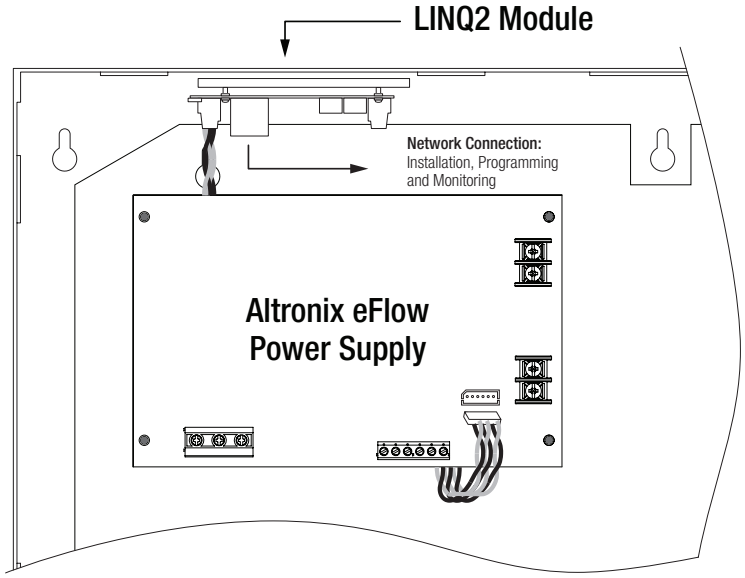
LINQ2 - Network Communication Module

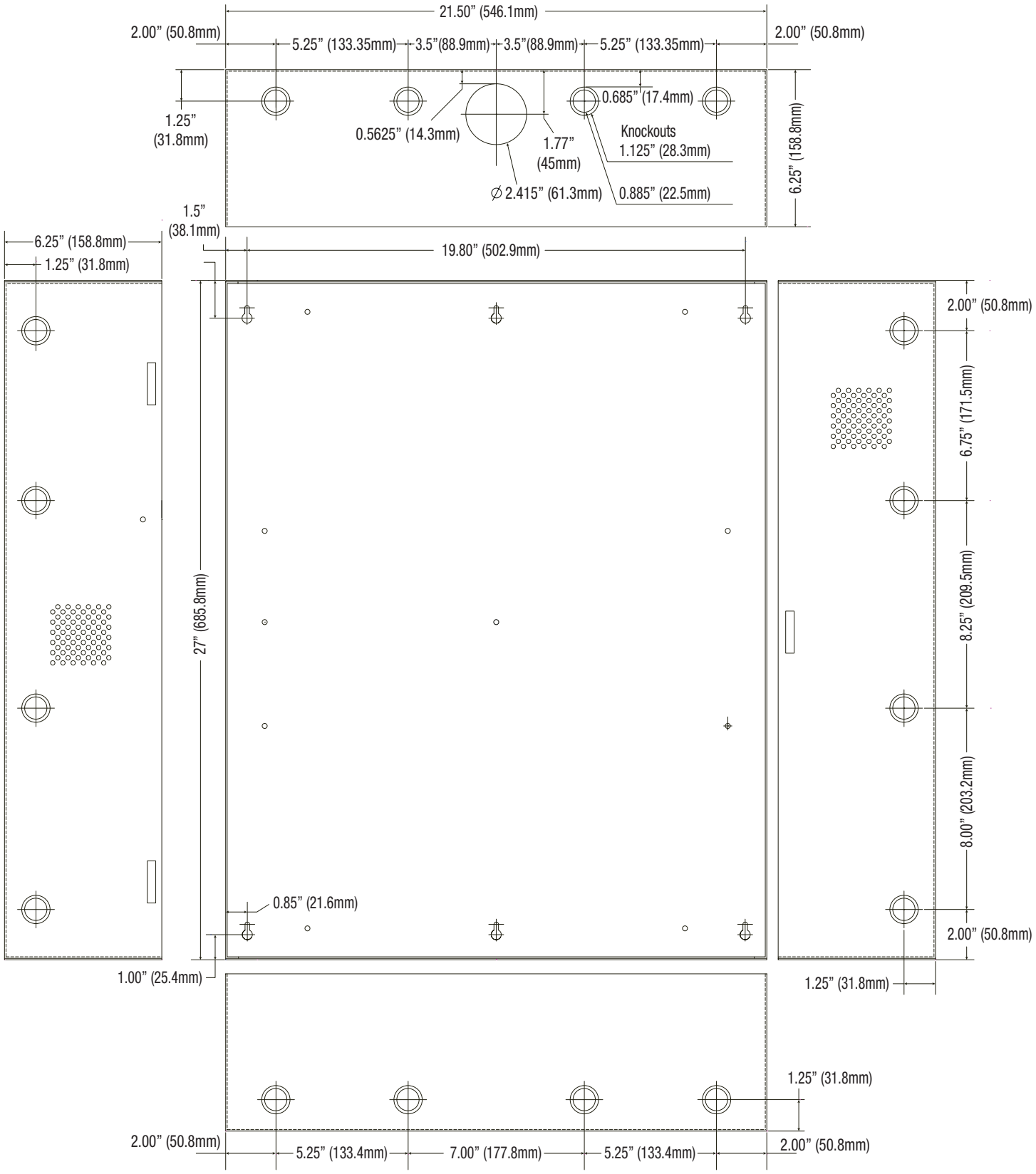
LINQ2 provides remote IP access to real-time data from eFlow power supply/chargers to help keep systems up and running at optimal levels. It facilitates fast and easy installation and set-up, minimizes system downtime, and eliminates unnecessary service calls, which helps reduce Total Cost of Ownership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



Enclosure Dimensions (H x W x D approximate)**:**

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