Altronix MaxFit7F8AP Fused Access Power Controller Kits Installation Guide

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Contents

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Fused Access Power Controller Kits
Models Include:
MaxFit7F8AP
8 Door Kit with Fused Outputs
The fully assembled kit includes:
– One (1) eFlow104NB – Power Supply/Charger
– One (1) ACM8 – Fuse Protected Access Power Controller
– One (1) PD8UL – Fuse Protected Power Distribution Module
– BC750 enclosure
MaxFit7F16AP
16 Door Kit with Fused Outputs
The fully assembled kit includes:
– One (1) eFlow104NB – Power Supply/Charger
– Two (2) ACM8 – Fuse Protected Access Power Controllers
– One (1) PD16W – Fuse Protected Power Distribution Module
– BC750 enclosure
MaxFit7F8APS
8 Door Kit with Fused Outputs
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– One (1) eFlow104NB – Power Supply/Charger
– One (1) ACM8 – Fuse Protected Access Power Controller
– One (1) PDS8 – Dual Input Fuse Protected Power Distribution Module
– One (1) VR6 – Voltage Regulator
– BC750 enclosure
MaxFit7F16APS
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– Two (2) ACMS8 – Dual Input Fuse Protected Access Power Controllers
– One (1) VR6 – Voltage Regulator
– One (1) PD16W – Fuse Protected Power Distribution Module.
– BC750 enclosure

Installation Guide
More than just power. TM
Rev. MFKF_083019 Installing Company: _____
Service Rep. Name: _____
Address: _____
Phone #: _____

Overview:

Altronix fused Access Power Controller kits distribute and switch power to access control systems and accessories. They convert a 120VAC 60Hz input into eight (8) or sixteen (16) independently controlled 12VDC or 24VDC fuse-protected outputs. These Fail-Safe/Fail-Secure power outputs may be converted to dry-form "C" contacts. Relays are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Keypad, Push Button, REX PIR, etc. Units will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. The FACP Interface enables Emergency Egress, and Alarm Monitoring, or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) Fail-Safe/Fail-Secure power outputs. Additional fuse-protected outputs provide power for connected devices.

Configuration Chart:

Altronix Model Number	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	120VAC 60Hz Input Current (A)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8/ACMS8 Access Power Controllers' outputs	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fused Outputs	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACMS8 Board Input Fuse Rating	ACMS8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating	PD8UL/PD16W Board Output Fuse Rating
MaxFit7F8AP	6.3A/ 250V	15A/ 32V	4.5	24VDC @ 9.7A	20.17-26.4	20.28-26.4	8	8	10A/ 250V	2.5A/ 250V	–	–	–	–	3.5A/ 250V
MaxFit7F16AP				24VDC @ 9.4A			16	16	10A/ 250V	2.5A/ 250V	–	–	–	–	3.5A/ 250V
MaxFit7F8APS				24VDC @ 9.4A			8	8	10A/ 250V	2.5A/ 250V	–	–	10A/ 32V	3A/ 32V	–
MaxFit7F16APS				24VDC @ 9.4A			16	16	–	–	15A/ 32V	3A/ 32V	–	–	3.5A/ 250V

Installation Instructions:

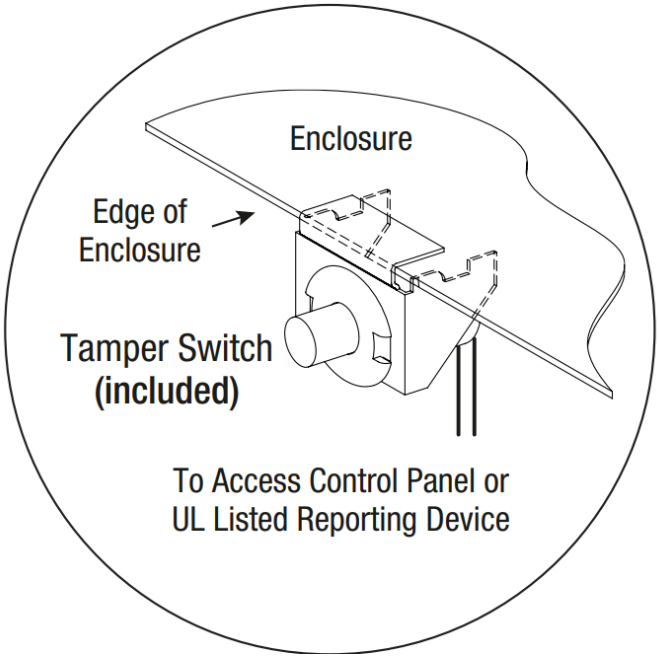
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction.

The product is intended for indoor use only.

1. Mount unit in the desired location. 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 (Enclosure Dimensions, pg. 8).
2. Connect unswitched AC power (120VAC 60Hz) to terminals marked [L, N] (Fig. 2-5, pg. 3-6). Use 14 AWG or larger for all power connections. Secure green wire leads to earth ground. Keep power-limited wiring separate from non-power-limited wiring. Minimum 0.25″ spacing must be provided (Fig. 2-5, pg. 3-6).

   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.
3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in Fig. 1 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 the tamper switch wiring to the Access Control Panel input or the appropriate Enclosure UL Listed reporting device. To activate the alarm signal open the door of the enclosure.
4. Refer to the eFlow Power Supply/Charger Installation Guide for eFlow104NB Edge of Enclosure and corresponding Sub-Assembly Installation Guides for ACM8, ACMS8, PDS8, VR6, PD8UL, and PD16W for further installation instructions.

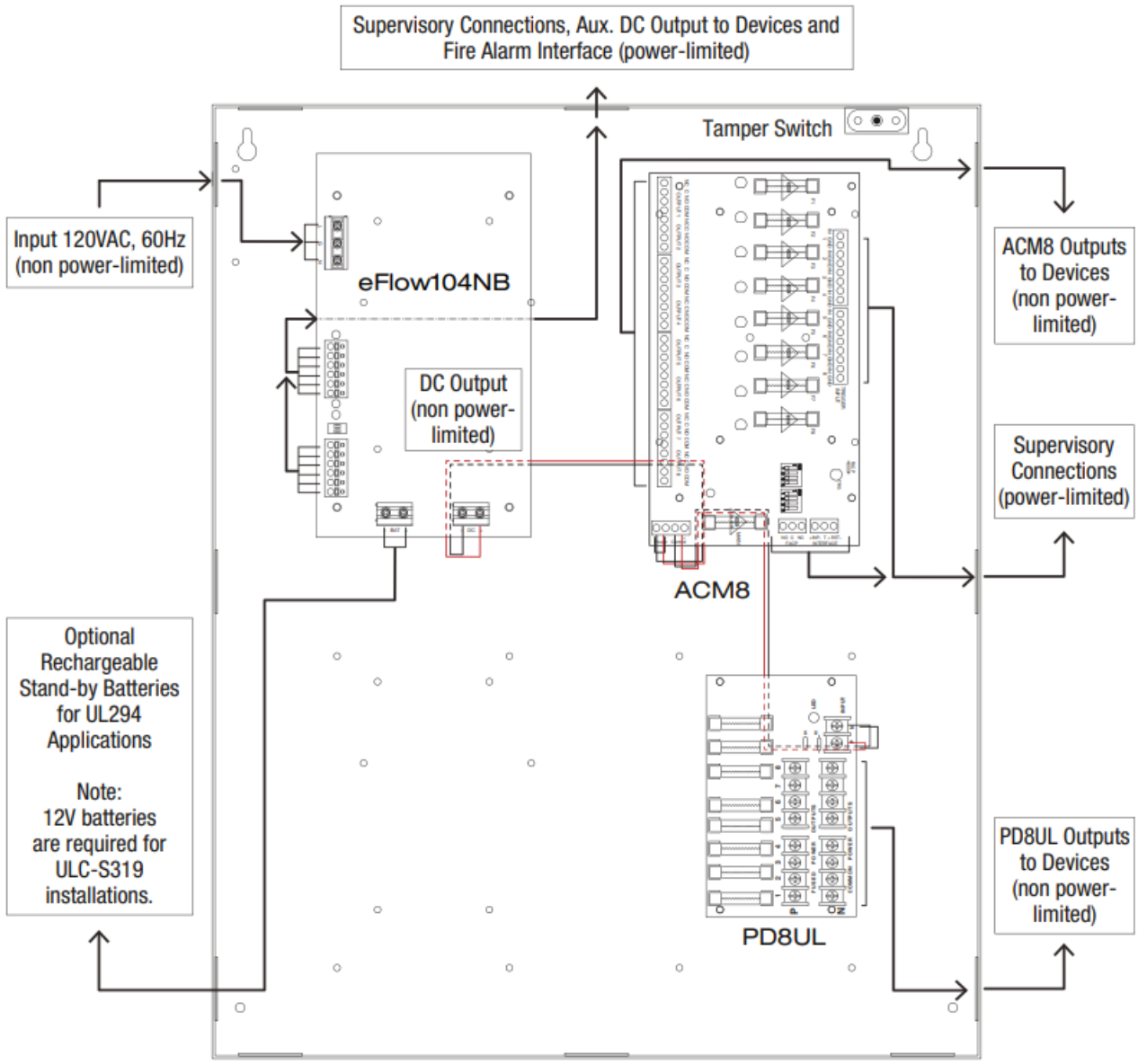
Fig. 1



MaxFit7F8AP: NEC Power-Limited Wiring Requirements

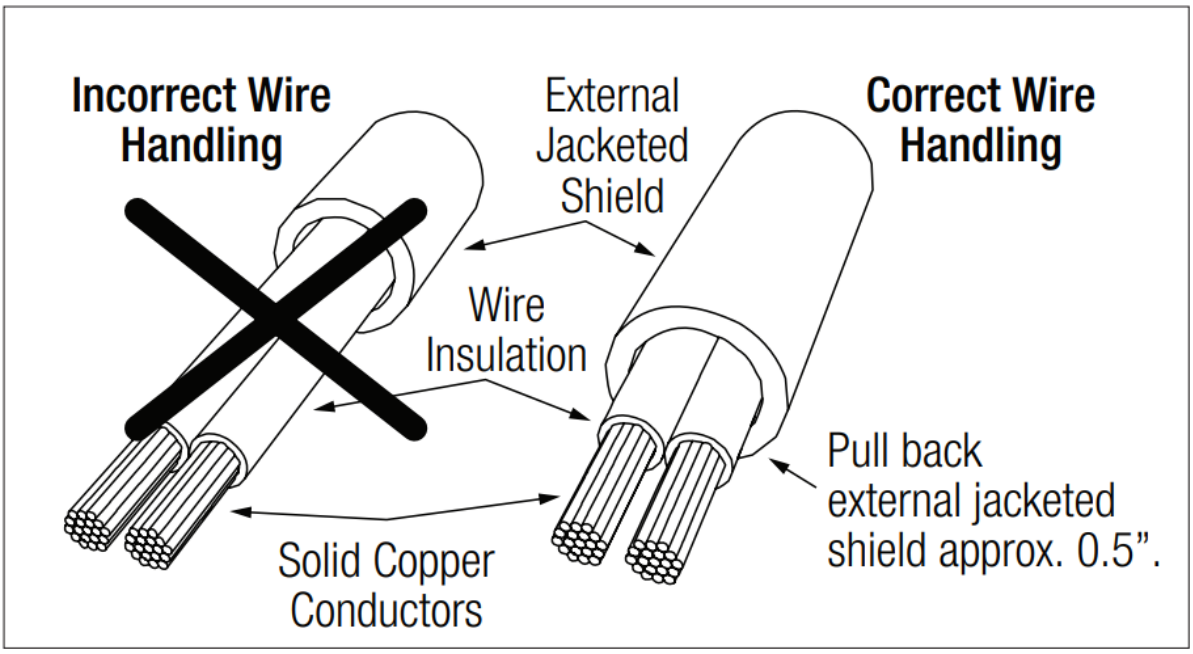
Power-limited and non-power-limited circuit wiring must remain separated in the cabinet. All power-limited circuit wiring must remain at least 0.25″ away from any non-power-limited circuit wiring. Furthermore, all power-limited circuit wiring and non-power-limited circuit wiring must enter and exit the cabinet through different conduits. One such example of this is shown below. Your specific application may require different conduit knockouts to be used. Any conduit knockouts may be used. For power-limited applications the use of conduit is optional. All field wiring connections must be made employing suitable gauge CM or FPL jacketed wire (or equivalent substitute). The optional UL Listed battery enclosure must be mounted adjacent to the power supply via Class 1 wiring methods. For Canadian installations use shielded wiring for all connections. Note: Refer to the wire handling drawing below for the proper way to install the CM or FPL jacketed wire (Fig. 2a).

Fig. 2



Connect the red battery lead to the terminal marked [+ BAT] and to the [positive (+)] terminal of the battery.
Connect the black battery lead to the terminal marked [BAT] and to the [negative ()] terminal of the battery.
Keep power-limited wiring separate from non-power-limited. Use minimum 0.25″ spacing.
12AH Rechargeable batteries are the largest batteries that can fit in this enclosure.
A UL-listed external battery enclosure must be used if using the 40AH or 65AH batteries.

Fig. 2a



MaxFit7F16AP: NEC Power-Limited Wiring Requirements

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Fig. 3

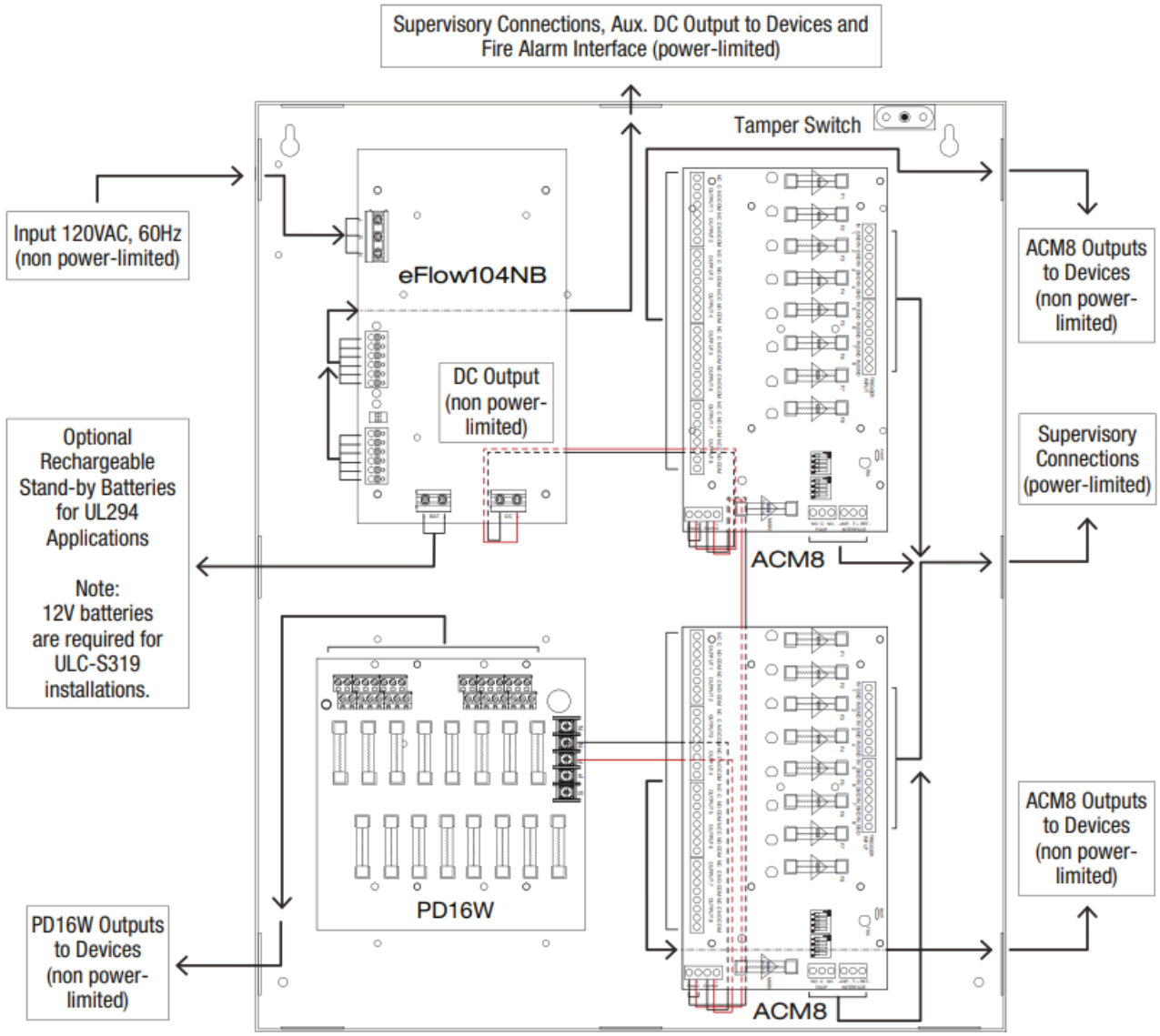

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Fig. 3a

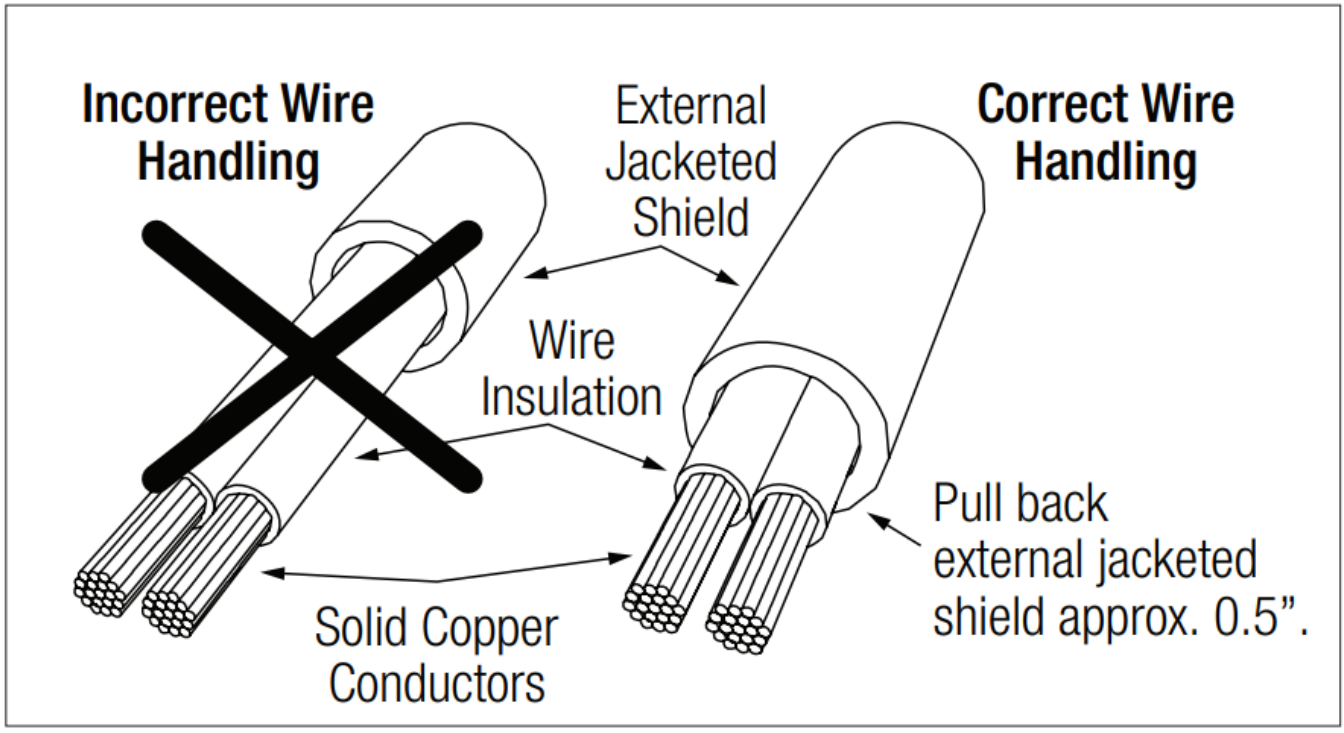

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Fig. 4

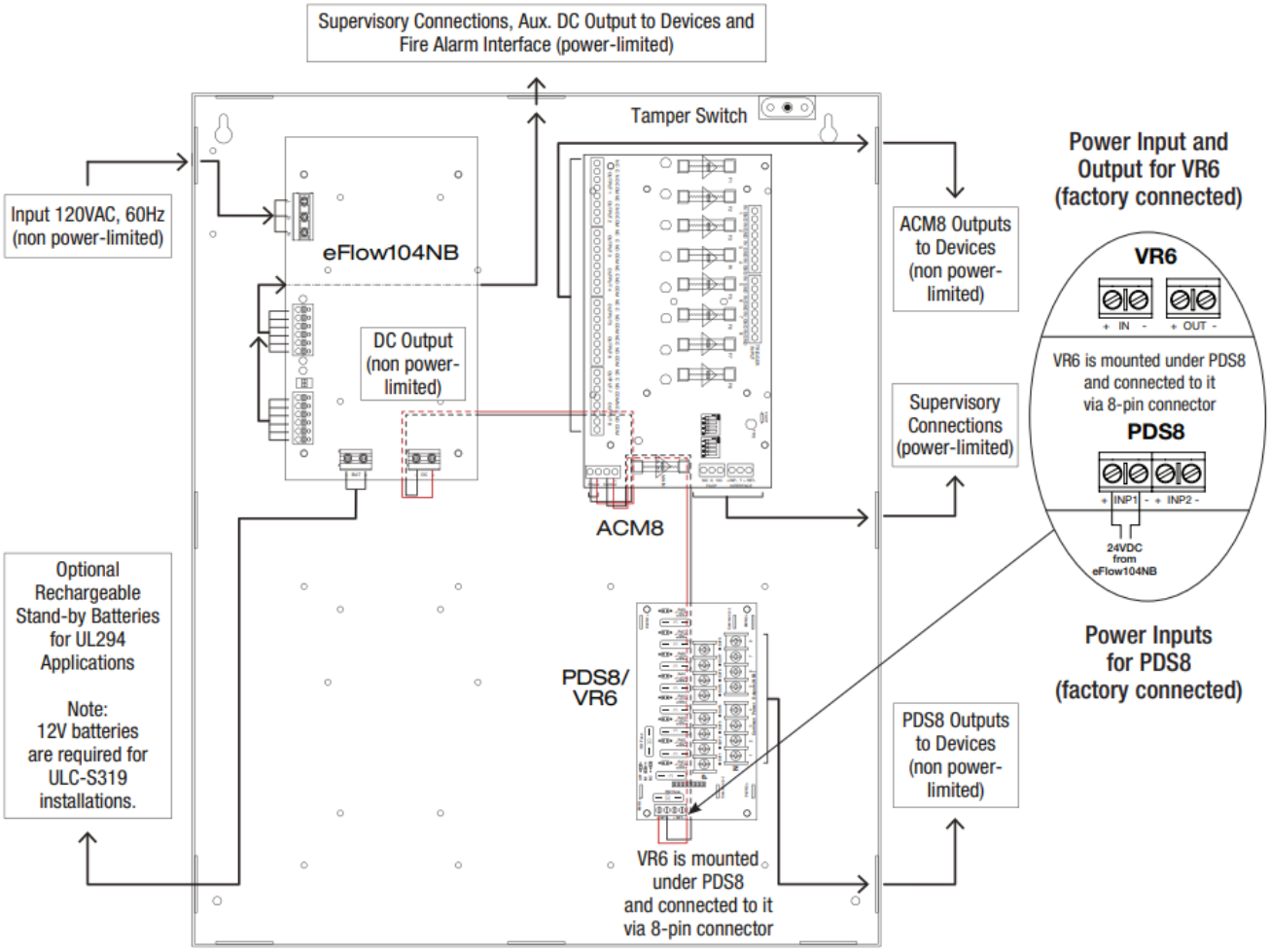

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Fig. 4a

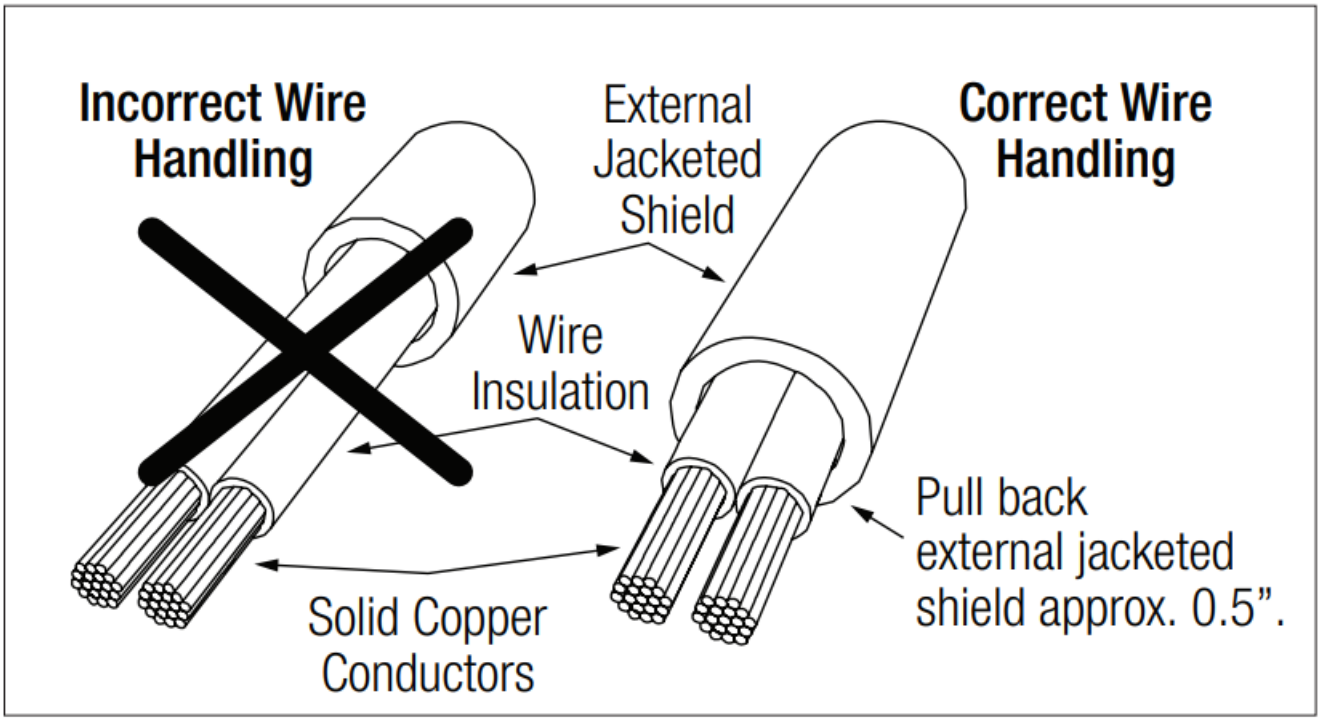

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Fig. 5

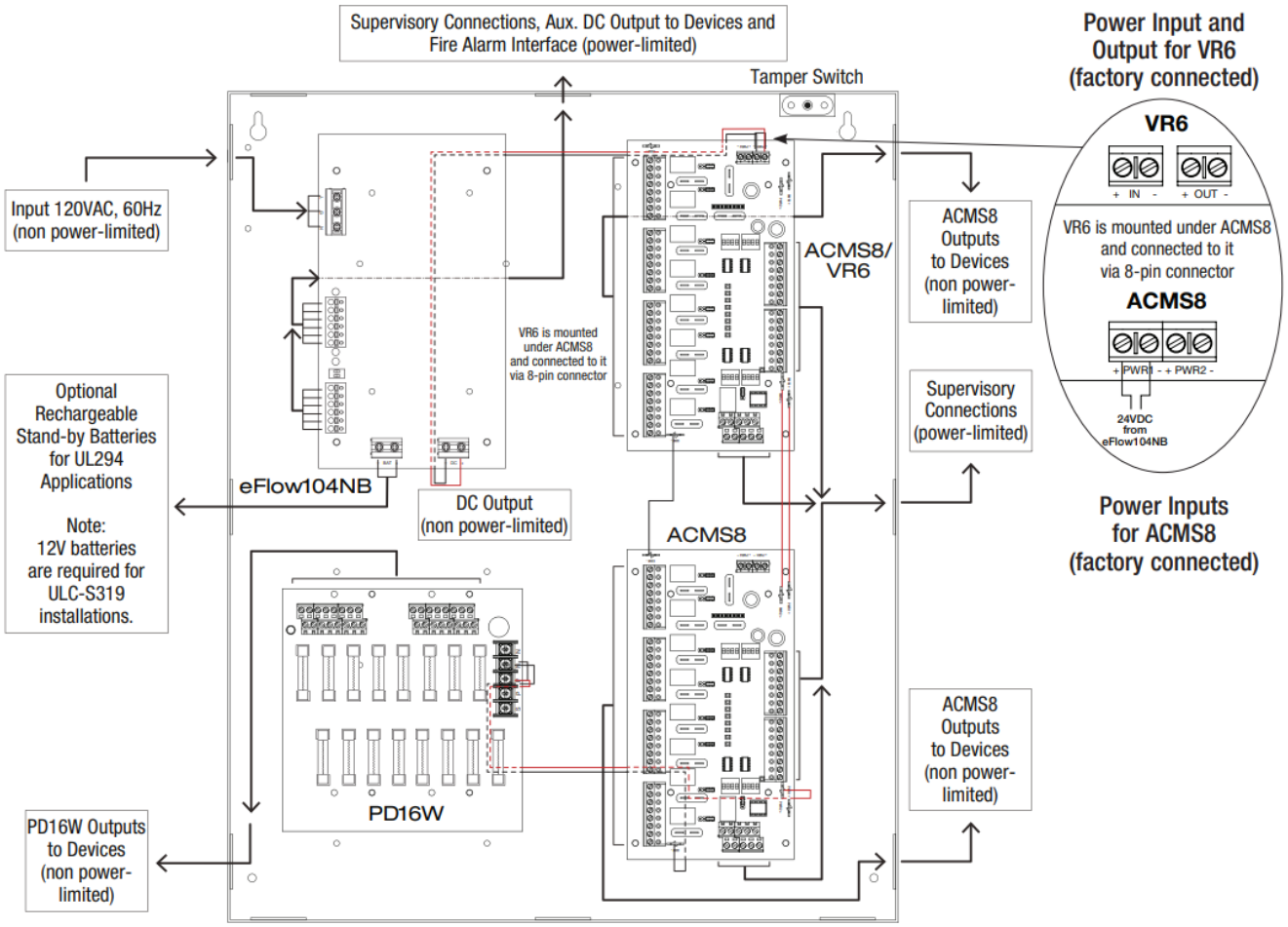

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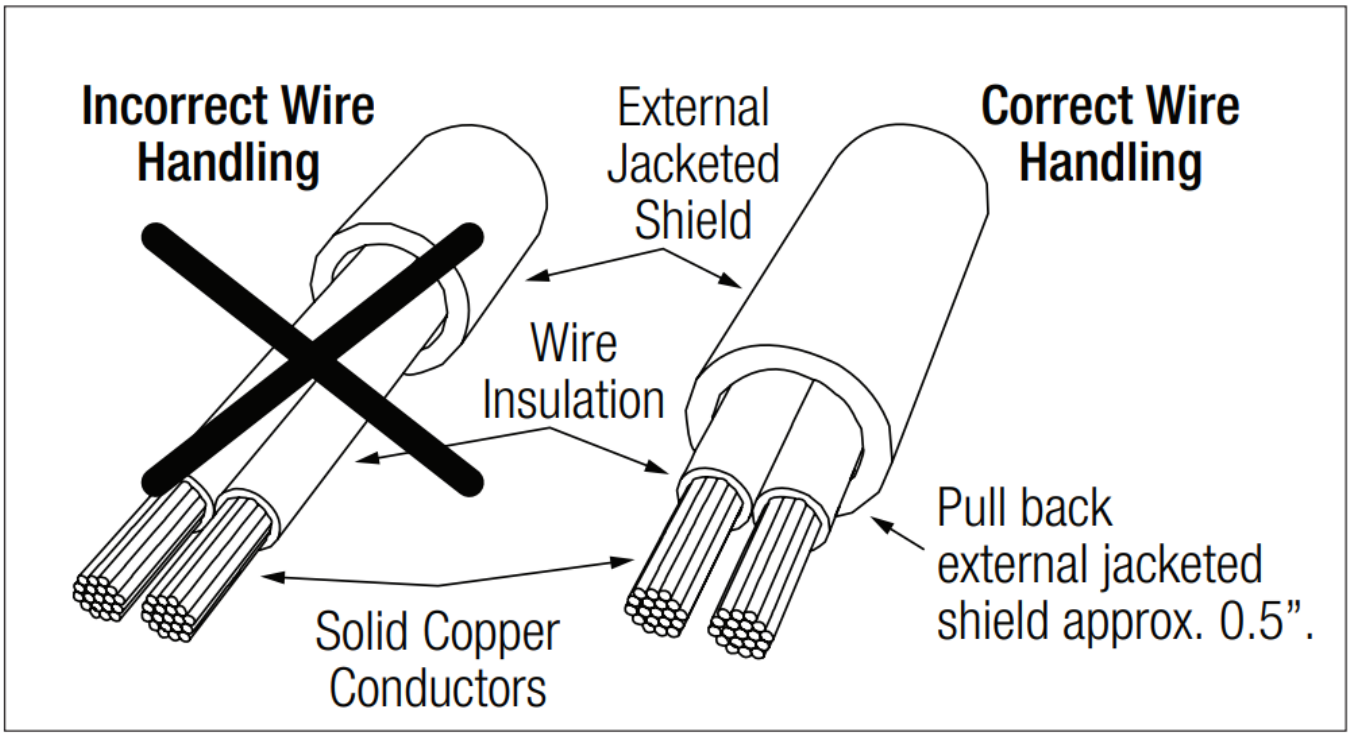
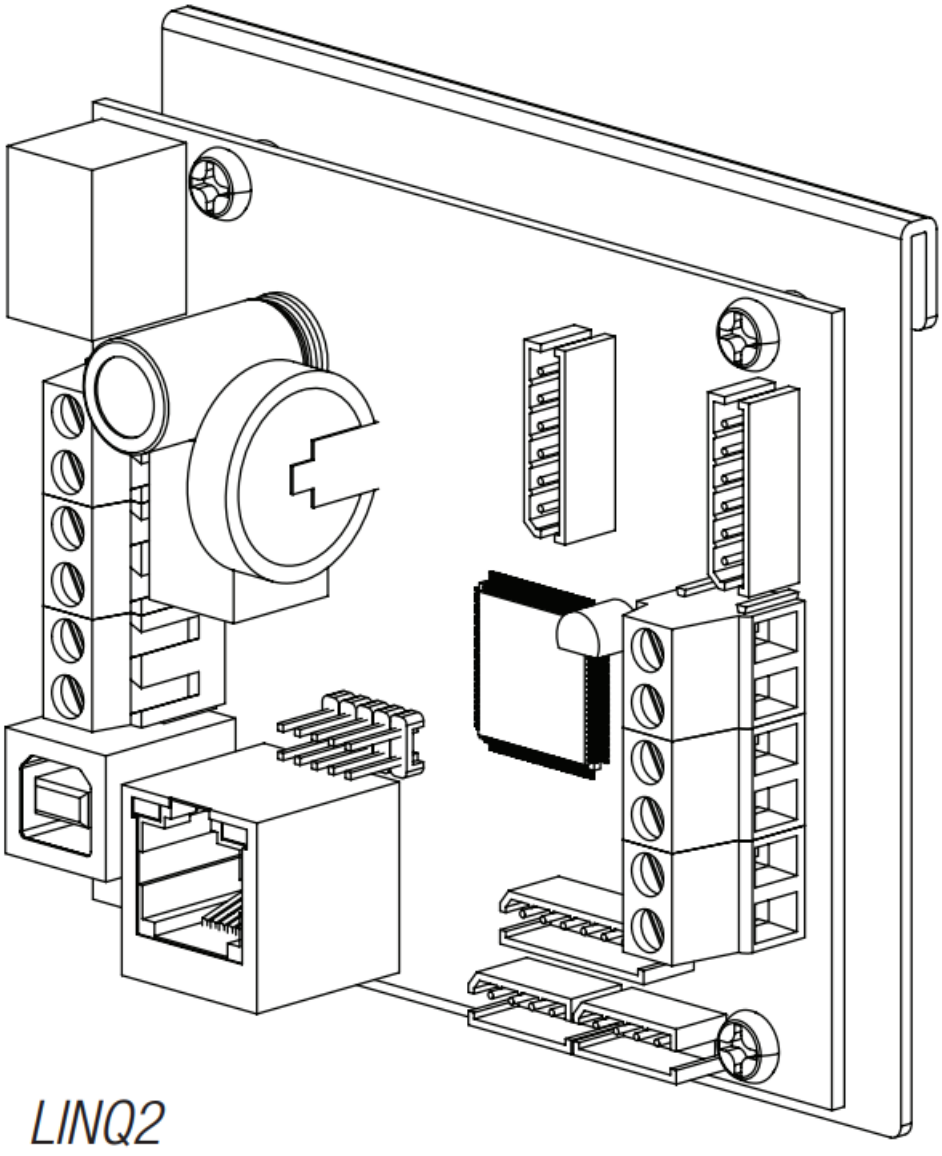
Fig. 5a



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

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 the Total Cost of Ownership (TCO) – as well as creates a new source of Recurring Monthly Revenue (RMR).

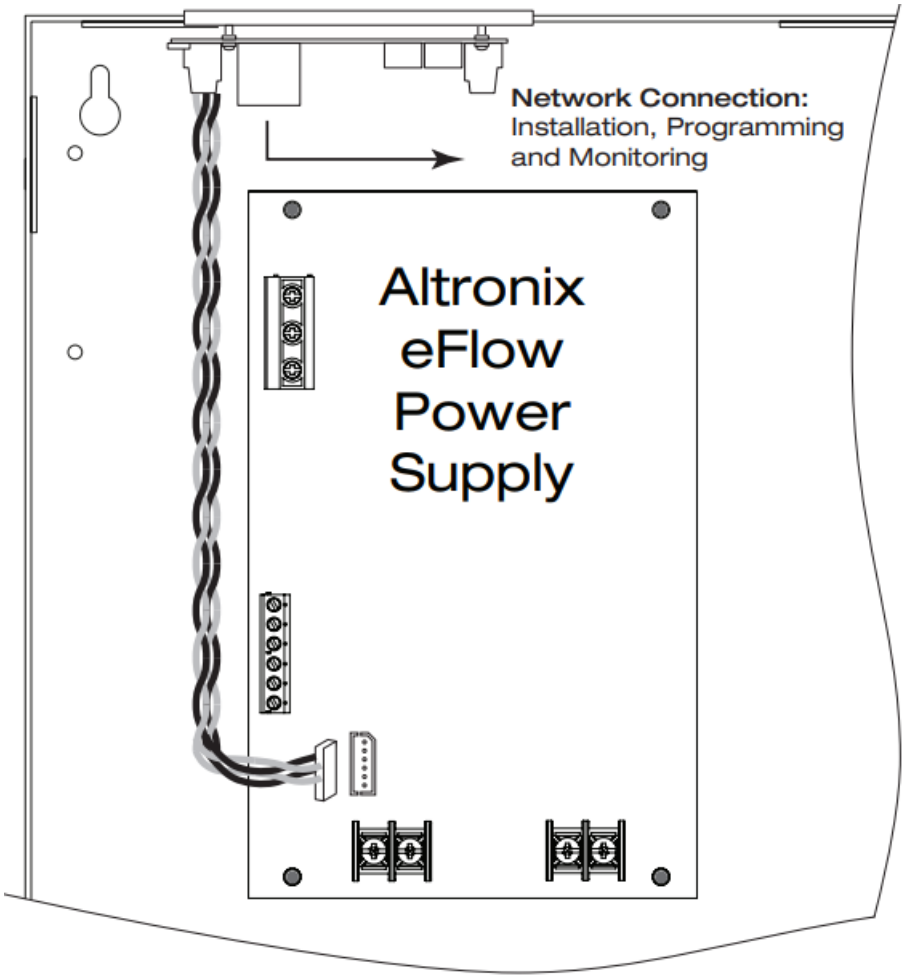


Features:

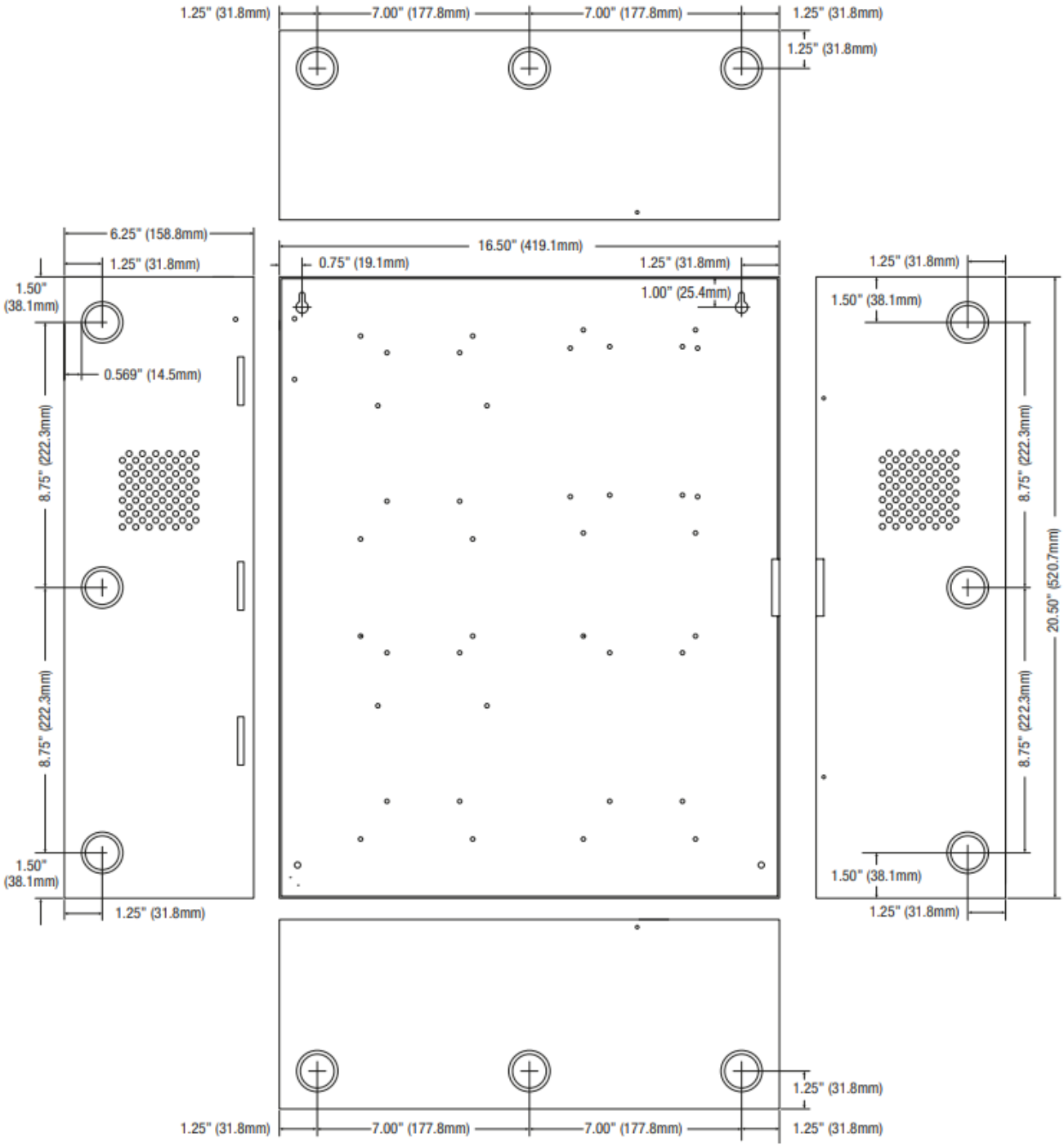
– UL is Listed in the U.S. and Canada.
– Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
– Monitor real-time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change, and unit temperature.
– 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 MaxFit Enclosure



MaxFit Enclosure Dimensions (H x W x D approximate):
20.5″ x 16.5″ x 6.25″ (520.7mm x 419.1mm x 158.8mm)



Altronix is not responsible for any typographical errors.
Product specifications are subject to change without notice.
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MEMBER

website: www.altronix.com
e-mail: info@altronix.com
Lifetime Warranty
IIMaxFit Kits Fused

Documents / Resources

	Altronix MaxFit7F8AP Fused Access Power Controller Kits [pdf] Installation Guide MaxFit7F8AP, MaxFit7F8APS, MaxFit7F16AP, MaxFit7F16APS, MaxFit7F8AP Fused Access Power Controller Kits, MaxFit7F8AP, Fused Access Power Controller Kits, Power Controller Kits, Controller Kits

References

- Altronix Home