



Access & Power Integration

## Altronix/ZKTeco Kits

### Models Include:

#### T2ZK7F8

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/ZKTeco 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

#### T2ZK7F16

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/ZKTeco backplane
- One (1) eFlow104NB - Power Supply/Charger
- Two (2) ACM8 - Fused Access Power Controllers
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module

#### T2ZK7F8D

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/ZKTeco 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

#### T2ZK7F16D

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TDR2 Altronix/ZKTeco backplane
- One (1) eFlow104NB - Power Supply/Charger
- Two (2) ACM8CB - PTC Access Power Controllers
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module

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. TZK\_062123

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

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



More than just power.™

## Overview:

Altronix Trove ZKTeco kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies.

T2ZK7F8(D) accommodates up to two (2) ZKTeco modules for up to eight (8) doors in a single enclosure.

T2ZK7F16(D) accommodates up to four (4) ZKTeco modules for up to sixteen (16) doors in a single enclosure.

## Configuration Chart:

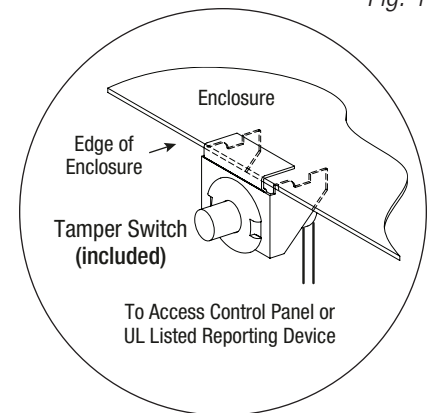
Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8 Access Power Controllers’ outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure Outputs	Additional Fused Outputs	ACM8(CB) Board Input Fuse Rating	ACM8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
					[DC]	[Aux]						
					Output Range (VDC)	Output Range (VDC)						
T2ZK7F8	4.5	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
T2ZK7F8D							10A/ 250V		2.5A	9A	2.5A	
T2ZK7F16							10A/ 250V		2.5A/ 250V	10A/ 32V	3A/ 32V	
T2ZK7F16D							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 two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/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 (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 ZKTeco modules to backplane, refer to *pages 3 - 6*.
5. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACM8(CB), PDS8(CB) and VR6 for further installation instructions.

Fig. 1



## Hardware:

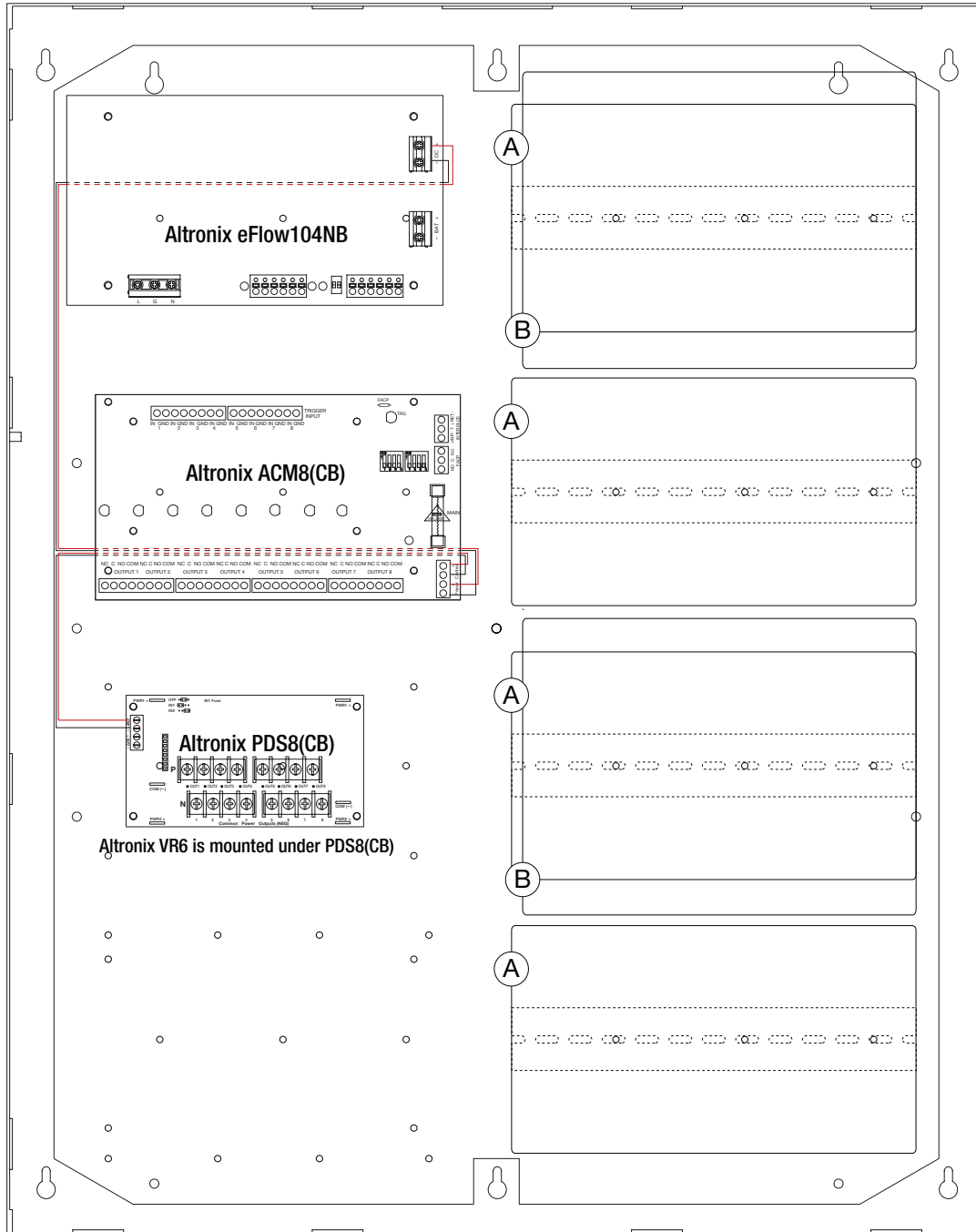
Nylon Spacer | 5/16" Pan Head Screw | Lock Nut

## T2ZK7F8(D): Configuration of ZKTeco inBio Modules:

1. Fasten DIN Rail (provided by ZKTeco) to pem spacers, utilizing 5/16" pan head screws (included) (Fig. 2, pg. 3).
2. Mount ZKTeco modules to DIN Rail (refer to below chart for model number, Fig. 2, pg. 3).
3. Fasten TDR2 backplane to Trove2 enclosure utilizing lock nuts (provided by Altronix).

ZKTeco Model	Pem Mounting
inBio Series	(A)
Atlas Series	(B)

Fig. 2

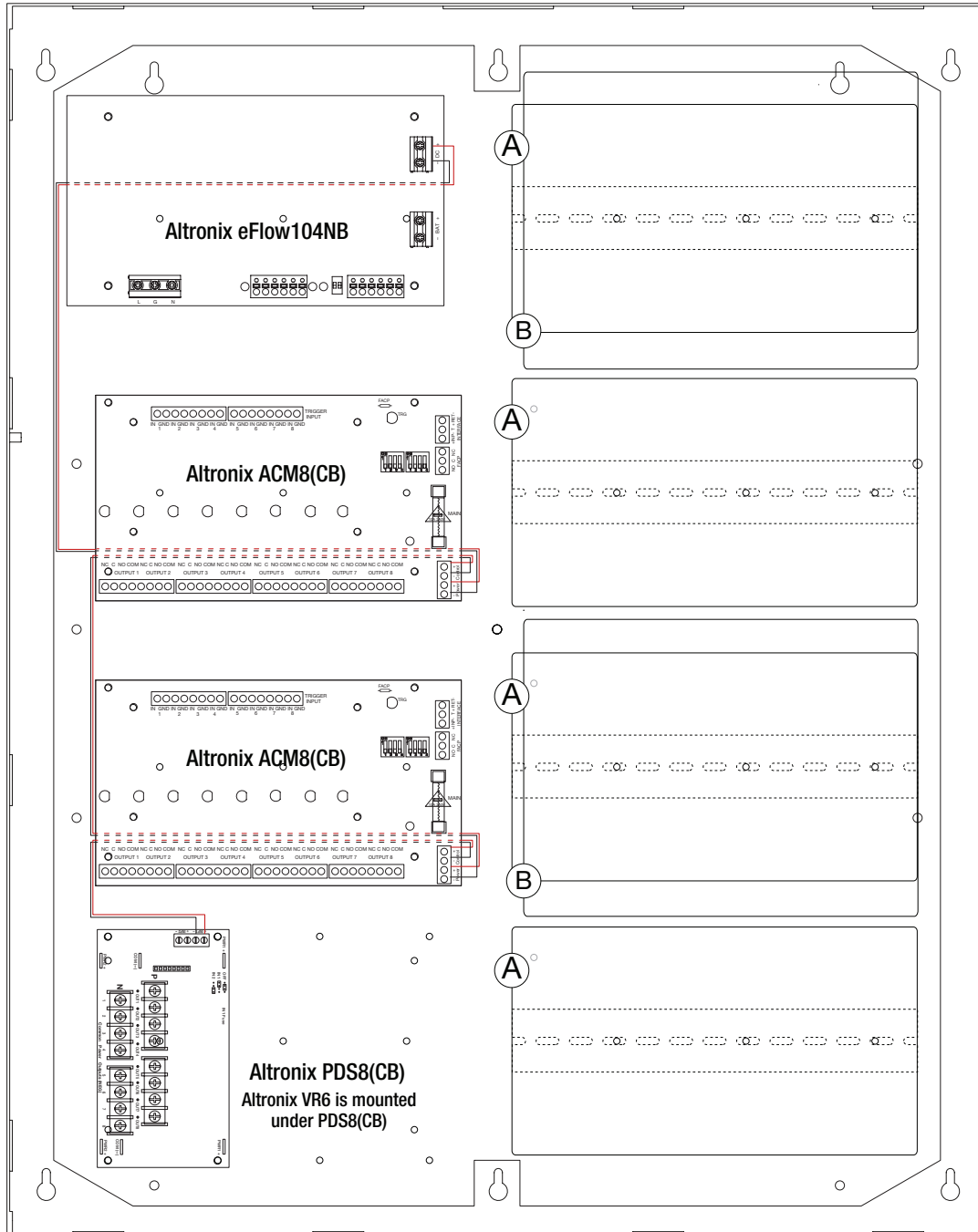


## T2ZK7F16(D): Configuration of ZKTeco inBio Modules:

1. Fasten DIN Rail (provided by ZKTeco) to pem spacers, utilizing 5/16" pan head screws (included) (Fig. 2, pg. 3).
2. Mount ZKTeco modules to DIN Rail (refer to below chart for model number, Fig. 2, pg. 3).
3. Fasten TDR2 backplane to Trove2 enclosure utilizing lock nuts (provided by Altronix).

ZKTeco Model	Pem Mounting
inBio Series	(A)
Atlas Series	(B)

Fig. 3

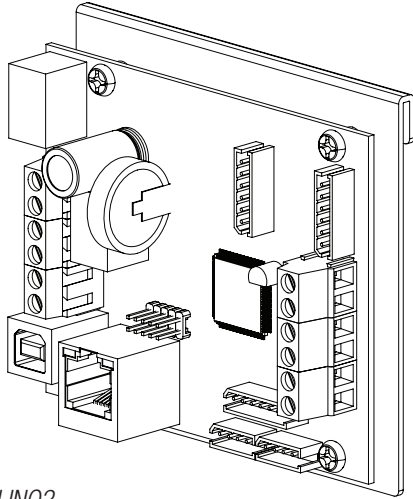


## Notes:

## Notes:



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



LINQ2

# LINQ™

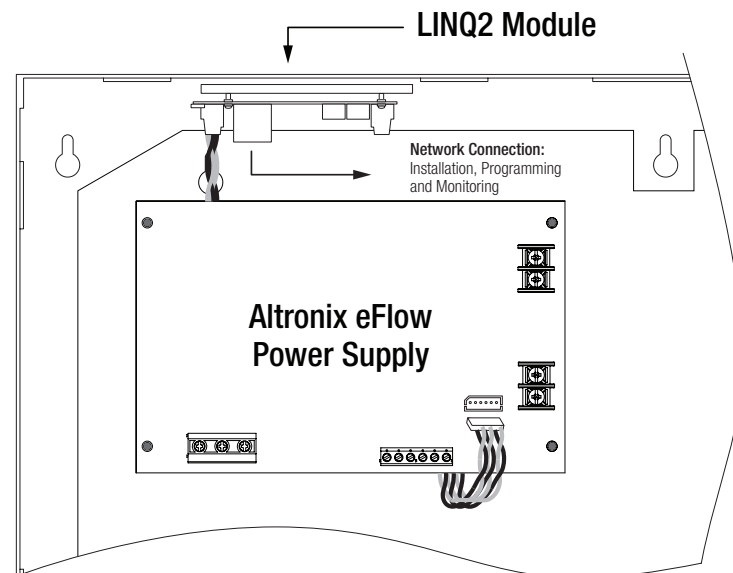
### LINQ2 - Network Communication Module

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).

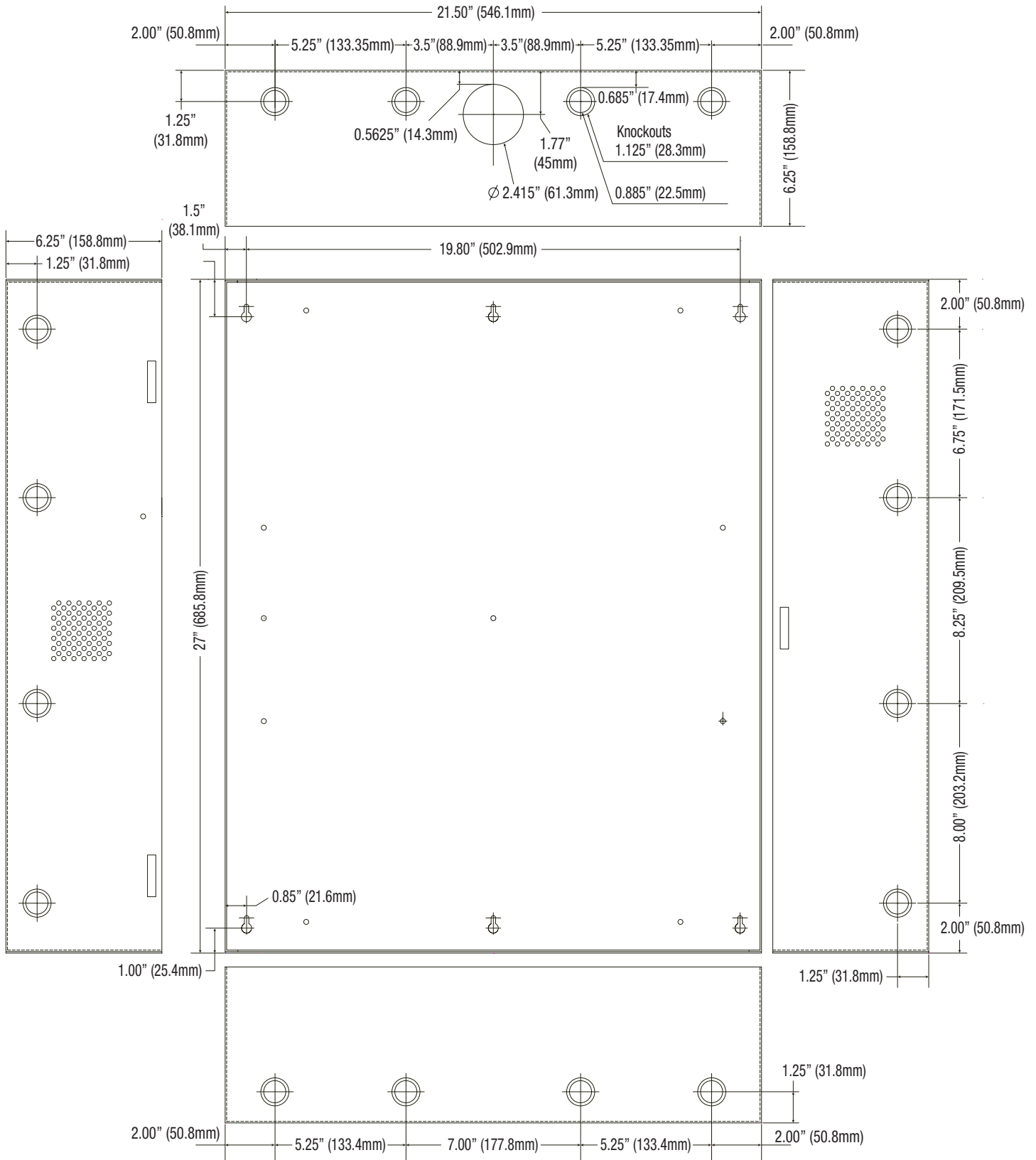
### Features:

- 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



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



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  
 IITrove ZKTeco Kits

F21W



Trove ZKTeco Kits Installation Guide