



Tempo™ Occupancy Alert Systems

Models Include:

TempoA8RB

8 Rooms Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TV2 backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) PDS16 - Dual Output Fused Power Distribution Module
- (4) TempoA2B - Occupancy Alert System Modules
- (8) RBSN - Relay Modules
- (2) D19 - DIN Rails

TempoA8RBD

8 Rooms Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TV2 backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) PDS16CB - Dual Output PTC Power Distribution Module
- (4) TempoA2B - Occupancy Alert System Modules
- (8) RBSN - Relay Modules
- (2) D19 - DIN Rails

Installation Guide



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Rev. 070325

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



More than just power.™

Overview:

Altronix TempoA8RB is designed to alert management when unauthorized loitering occurs in up to eight (8) secure rooms. TempoA8RB has built-in LINQ Technology to remotely monitor and control the unit.

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 PDS16 Power Distribution Module's outputs (A)	Current Per PDS16(CB) Output (A)	PDS16(CB) Board Input Fuse (PTC) Rating	PDS16(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]				
				24VDC Output Range (V)	24VDC Output Range (V)				
TempoA8RB	3.5	5A/ 250V	10A/ 32V	20.28- 26.4	20.28- 26.4	24VDC @ 5.7A	2.5	15A/ 32V	3A/ 32V
TempoA8RBD							2.0	9A	2.5A

Enclosure 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 (3) keyholes in the enclosure. Install three (3) 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 (3) holes. Remove the enclosure. Drill the lower holes and install the three (3) fasteners. Place the enclosure's upper keyholes over the three (3) 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.
5. Mount Mercury access controller modules over corresponding standoffs (*Fig. 6, pg. 6*).
4. Mount backplane to enclosure with hardware.

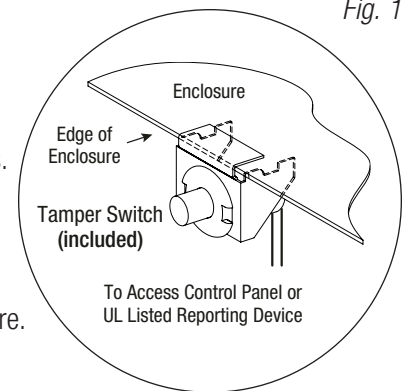


Fig. 1

eFlow6NB Operation Instructions:

1. Measure output voltage before connecting devices. This helps avoiding potential damage.
Note: eFlow6NB is factory set for 24VDC.
2. For occupancy alert applications batteries are optional. When batteries are not used, a loss of AC will result in the loss of the output voltage. When the use of stand-by batteries is desired, they must be lead acid or gel type. Connect battery to terminals marked [– BAT +]. Use two (2) 12VDC batteries connected in series for 24VDC operation (battery leads included). Use batteries - Casil CL1270 (12V/7AH), CL12120 (12V/12AH), CL12400 (12V/40AH), CL12650 (12V/65AH) batteries or UL recognized BAZR2 batteries of an appropriate rating.
3. Connect appropriate signaling notification devices to AC FAIL & BAT FAIL supervisory relay outputs.
4. To delay AC reporting for 2 hrs. set DIP switch [AC Delay] to OFF position.
To delay AC reporting for 1 min. set DIP switch [AC Delay] to ON position.
Note: Must be set to ON position for Burglar Alarm Applications.
5. To enable Fire Alarm Disconnect set DIP switch [Shutdown] to ON position.
To disable Fire Alarm Disconnect set DIP switch [Shutdown] to OFF position.
6. Trigger terminals are end of a line resistor supervised (10k Ohms). Opening or shorting trigger terminals will cause [DC] output to shutdown.
7. Place a jumper for non-latching FACP. A momentary short on these terminals resets FACP latching [Trigger EOL Shutdown].

PDS16(CB) Operation Instructions:

1. PDS16(CB) is factory pre-wired to power supply and TempoA2B modules.

TempoA2B Operation Instructions:

1. Connect the Brown wire from the strobe to TempoA2B terminals marked [DOOR 1 LED +].
2. Connect the Green wire from the strobe trigger to TempoA2B terminals marked [DOOR 1 Strobe Steady].
Connect the Yellow wire from the strobe trigger to TempoA2B terminals marked [DOOR 2 Strobe Steady].
3. Connect the positive and negative terminals on the Optical Latch Sensor for Door 1 to the TempoA2B terminals marked [- AUX1 +].
Connect the White and Blue wires from the Optical Latch Sensor to the TempoA2B terminals marked [DOOR 1 C, TRIG, NO].
4. Connect the positive and negative terminals on the Optical Latch Sensor for Door 2 to the TempoA2B terminals marked [- AUX2 +].
Connect the White and Blue wires from the Optical Latch Sensor to the TempoA2B terminals marked [DOOR 2 C, TRIG, NO].
5. **Keep power-limited wiring separate from non-power-limited wiring.**
Minimum 0.25" spacing must be provided. Use separate knockouts.

Programming:

Option 1: Network programming.

1. Connect the structured cable to the network port on the TempoA2B.
2. Open a browser and input the IP address 192.168.168.168. the login screen will open enter the user name and password (user name: **admin**; password: **admin**)
3. The setup window will open. Program the trigger delay times for each door. Click on the pencil under DOOR1, Timer1 enter the Minutes and Seconds for the initial time sequence for when the door is latched. The LED will come on steady when time limit has been reached.
4. Click on the pencil under DOOR1, Timer2 enter the Minutes and Seconds for the second time sequence after Timer1 has expired. The LED will flash when the second time limit has been reached.
When a second door is connected follow steps 3 & 4 for DOOR 2.

Option 2: Programming timer via TempoA2B Push buttons.

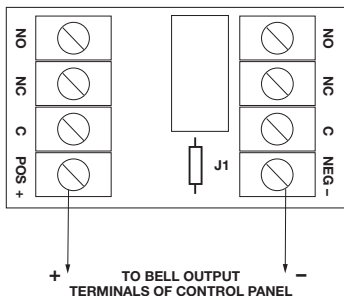
1. Using the UP & Down push buttons on the TempoA2B, select the door to be programmed, then push the **Enter** button.
2. Using the UP & Down button select Timer 1. Using the UP button scroll up until the desired delay time is reached. Then hit the enter button. The LED will come on steady when time limit has been reached.
3. Using the UP & Down button select Timer 2. Using the UP button scroll up until the desired delay time is reached. Then hit the enter button. The LED will flash when the second time limit has been reached.

Note: When a second door is connected follow steps 2 & 3 for DOOR 2.

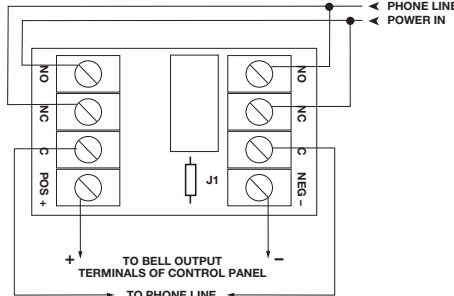
RBSN Operation Instructions:

1. 12VDC or 24VDC selectable operation.
2. Current draw 15mA.
3. Factory set for 12VDC; cut jumper J1 for 24VDC operation.
4. 1A/120VAC or 2A/28VDC DPDT contacts.

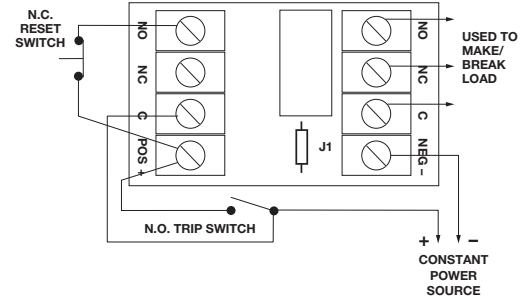
Dry Contacts



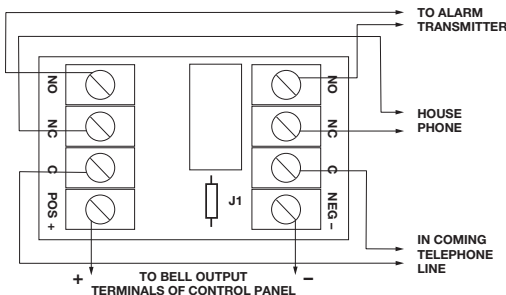
Polarity Reversal



Latching Dry Contacts



Line Seizure



Maintenance:

Unit should be tested at least once a year for the proper operation.

Output Voltage Test: Under normal load conditions the DC output voltage should be checked for proper voltage level (*Configuration Chart*).

Battery Test: Under normal load conditions check that the battery is fully charged, check specified voltage both at the battery terminal and at the board terminals marked [– BAT +] to ensure that there is no break in the battery connection wires.

Note: Maximum charging current under discharge is 500mA.

Note: Expected battery life is 5 years; however, it is recommended changing batteries in 4 years or less if needed.

LED Diagnostics:

eFlow6NB:

Red (DC)	Green (AC/AC1)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC. Stand-by battery supplying power.
OFF	ON	No DC output.
OFF	OFF	Loss of AC. Discharged or no stand-by battery. No DC output.

PDS16(CB):

LED	ON	OFF
OUT1-OUT16 (Green)	Output powered.	No output.

Terminal Identification:

eFlow6NB:

Terminal Legend	Function/Description
L, N	Connect 120VDC to these terminals (non power-limited).
– DC +	Set for 24VDC nominal @ 6A continuous output (non power-limited output).
Trigger EOL Supervised	Fire Alarm Interface trigger input from a short or FACP. Trigger inputs can be normally open, normally closed from an FACP output circuit (power-limited input).
NO, GND RESET	FACP interface latching or non-latching (power-limited).
+ AUX –	Auxiliary Class 2 power-limited output rated @ 1A (unswitched).
AC Fail NC, C, NO	Indicates loss of AC power, e.g. connect to audible device or alarm panel. Relay normally energized when AC power is present. Contact rating 1A @ 30VDC (power-limited).
Bat Fail NC, C, NO	Indicates low battery condition, e.g. connect to alarm panel. Relay normally energized when DC power is present. Contact rating 1A @ 30VDC. A removed battery is reported within 5 minutes. Battery reconnection is reported within 1 minute (power-limited) .
– BAT +	Stand-by battery connections. Maximum charge current 1.54A (non power-limited).

PDS16:

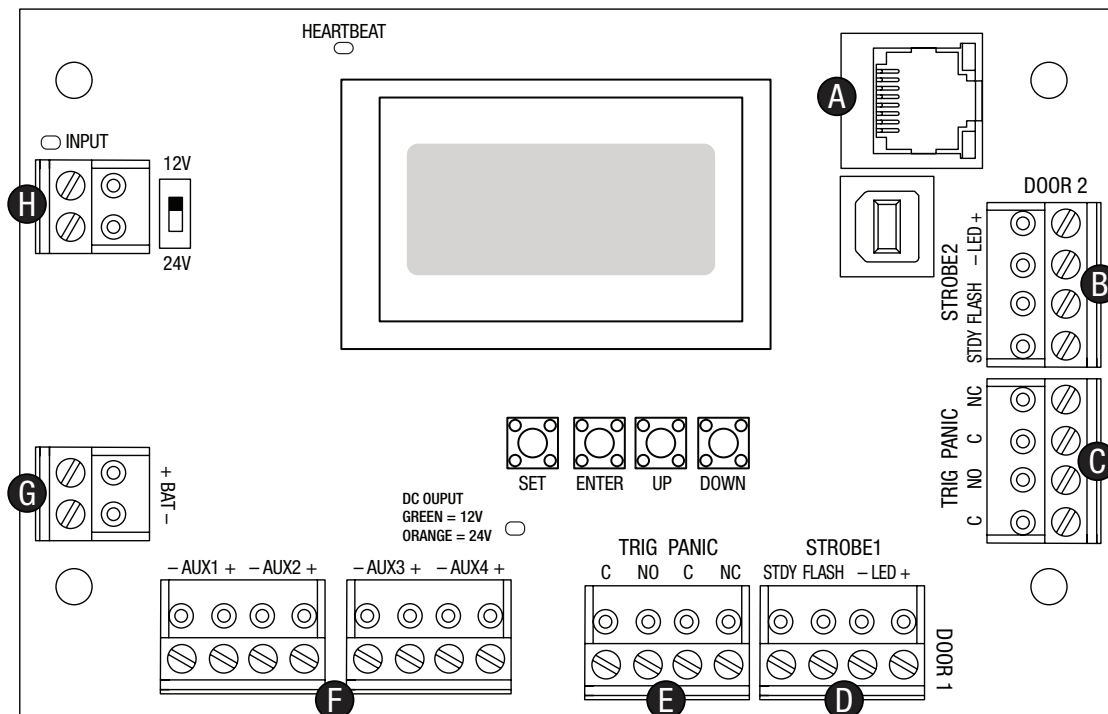
Terminal Legend	Function/Description
+ INP1 –	24VDC input from eFlow6NB Power Supply.
+ INP2 –	Not used
P [OUT1-OUT16]	Positive DC power outputs.
N [OUT1-OUT16]	Negative DC power outputs.

Terminal Identification:

TempoA2B (Fig. 2 below):

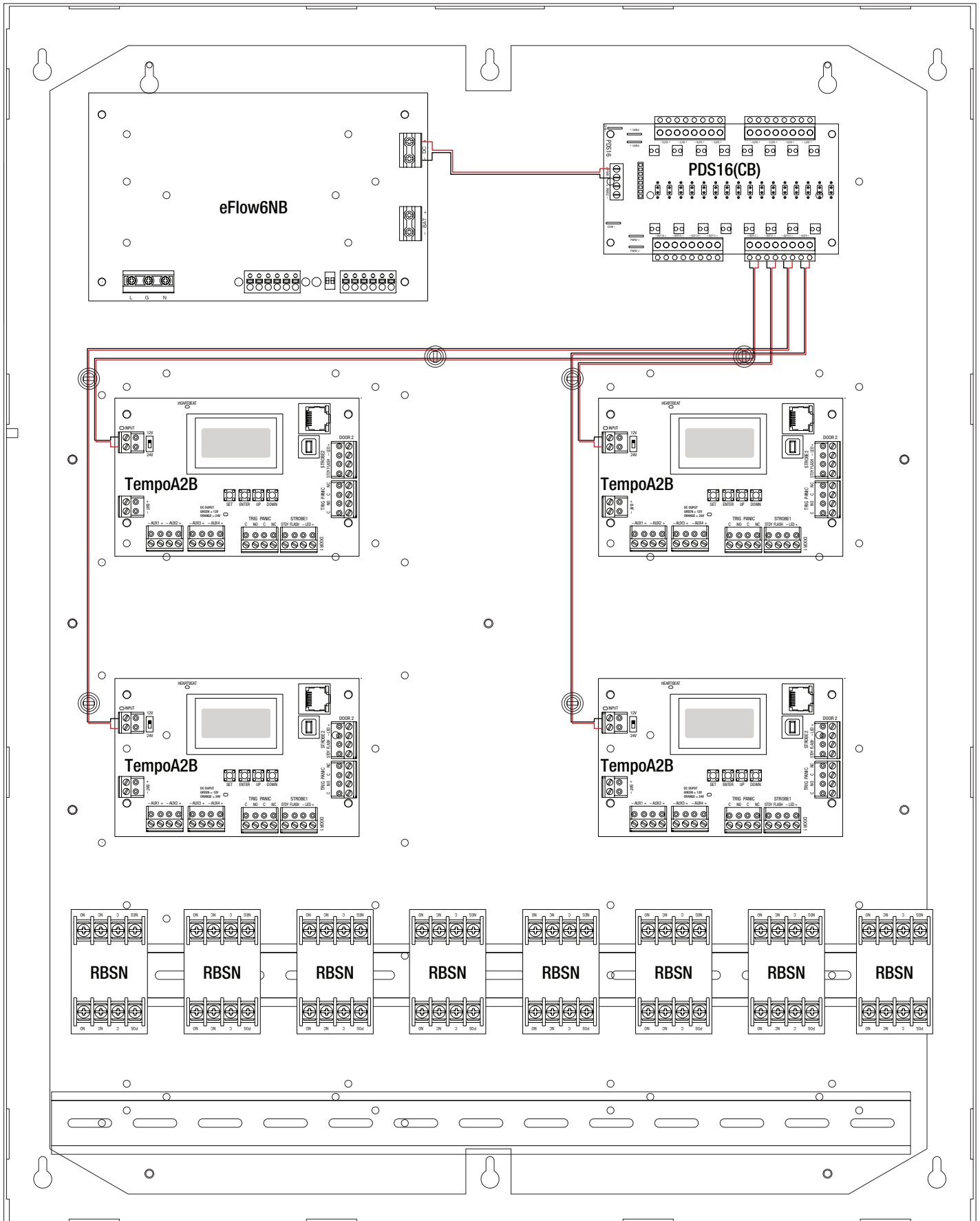
Terminal/Legend	Description
(A) RJ45	Network / LINQ Connection
(B) Strobe 2	Power Outputs. Steady and Flash.
(C) Trig Panic	Door 2 - Sensor/Trigger input and Panic Input Trigger.
(D) Strobe 1	Power Outputs. Steady and Flash.
(E) Trig Panic	Door 1 - Sensor/Trigger input and Panic Input Trigger.
(F) Aux 1 to 4	DC Aux outputs 1 to 4.
(G) + BAT -	Stand-by battery connections.
(H) Input	Low voltage AC or DC input.

Fig. 2



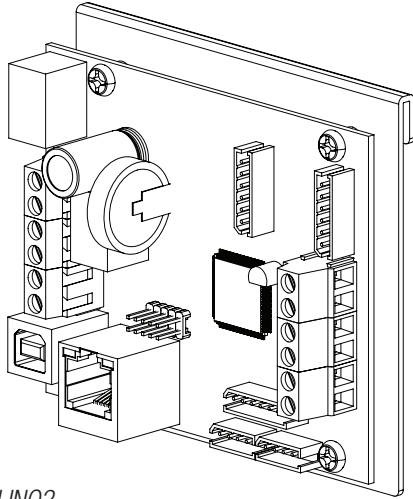
TempoA8RB: Configuration of Altronix Boards:

Fig. 3





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



LINQ2

LINQ™

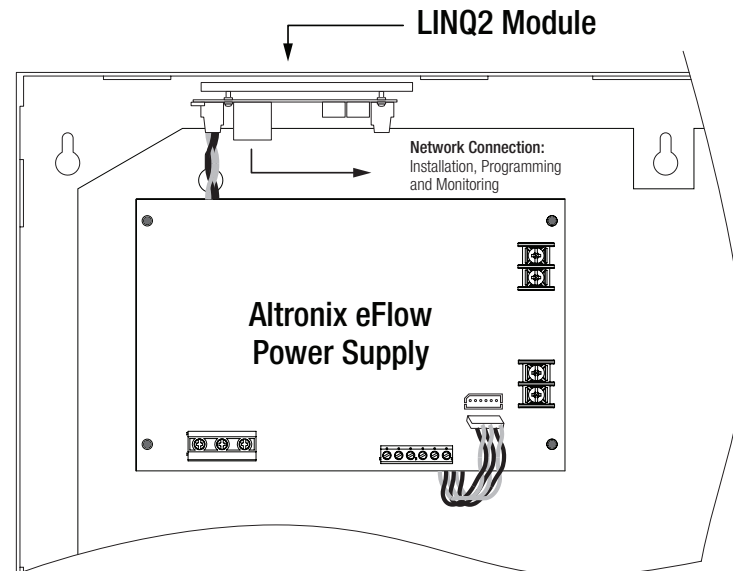
LINQ2 - Network Communication Module

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).

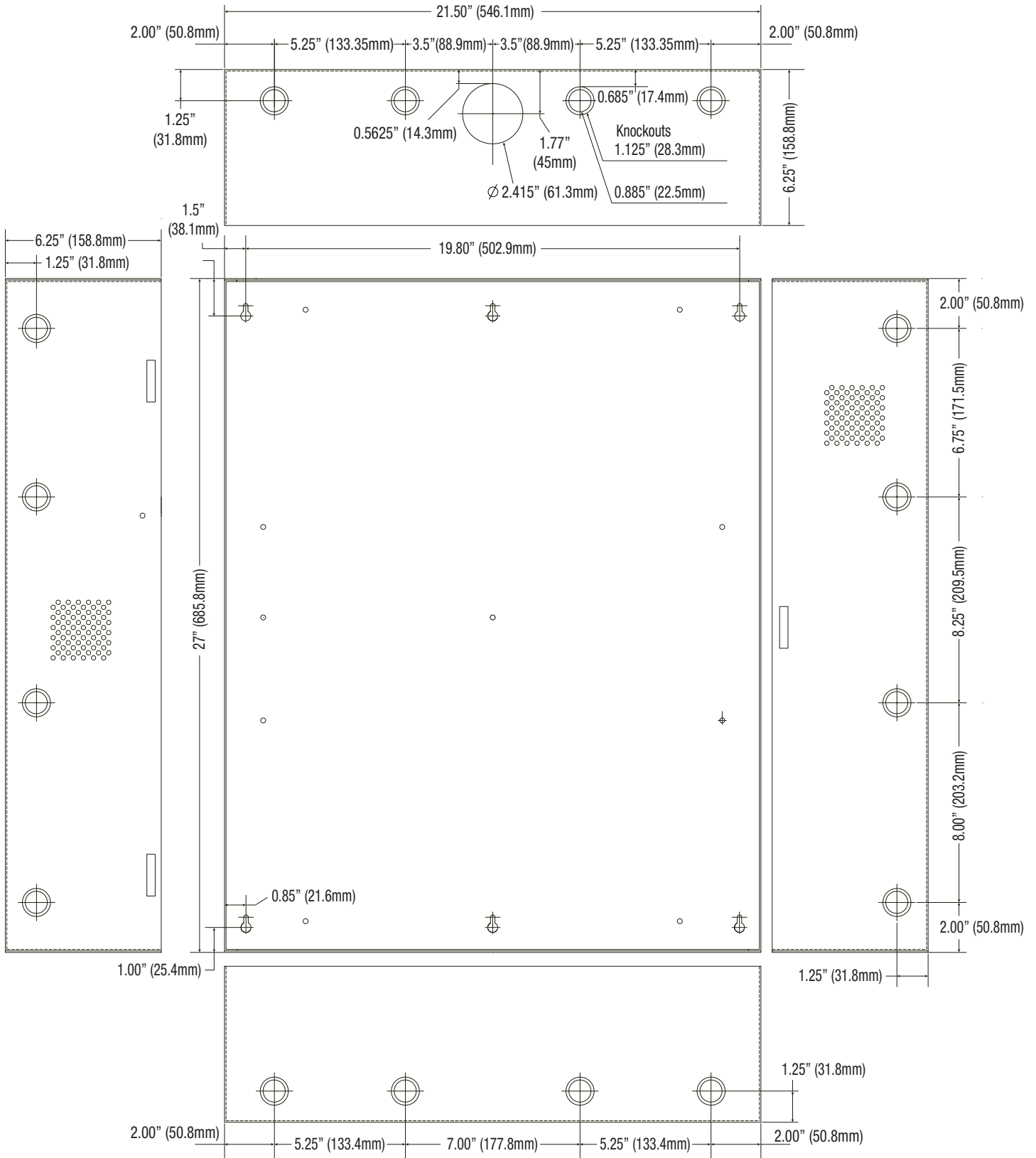
Features:

- 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 approximate):
 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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