

T1RAL33F16 Trove / Altronix Kit Access & Power Integration Solution

Description

Altronix T1RAL33F16 Trove™ Rack kit is pre-assembled and consists of Trove1AL1R enclosure/backplane with the following factory installed Altronix components:

- Two (2) eFlow6NB - power supply/chargers;
- Two (2) ACMS8 - Fused Dual Output Access Power Controllers.



T1RAL33F16

Key Features

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| <ul style="list-style-type: none"> - Output Power: <ul style="list-style-type: none"> - Sixteen (16) individually selectable 12VDC or 24VDC fused lock power outputs rated at 12A total max. - Fire Alarm Disconnect is individually selectable by output. - Power status LEDs on front panel. - Simplified board layout and wire management. - Convenient knockout configuration: <ul style="list-style-type: none"> - Six (6) 1.25" diameter knockouts located on the back of enclosure. | <ul style="list-style-type: none"> - 6' IEC320 3-wire power cord. - 2U drawer on extendable rails. - Black powder coated steel enclosure. - Included Z Bracket facilitates ease of wiring. - Includes cam lock, tamper switch and mounting hardware. - CE European Conformity. - Lifetime Warranty* / Made in the U.S.A. |
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**Altronix Power Supply/Chargers and Sub-Assemblies only*

Optional Accessories

- **RE2:**
Rack Mount Battery Enclosure accommodates up to four (4) 12VDC/7AH batteries.
- **WM5, WM25, WM100:**
Magnetic Cable Tie Mounts (5, 25, 100 counts).



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Specifications

Power Supply/Chargers (two (2) eFlow6NB):

Input

Voltage	120VAC, 60Hz, 7A max.
Input Fuses	5A / 250V.

Outputs

Voltage	Factory set: one (1) eFlow6NB at 12VDC and one (1) at 24VDC.
Current	6A continuous. Maximum Supply Current for Main and Aux. Outputs on eFlow6NB Power Supply boards and ACMS8 Access Power Controllers' outputs is 5.3A @ 12VDC and 5.6A @ 24VDC.
Auxiliary	Class 2 power-limited @ 1A (unswitched).
Other	Overvoltage protection. Filtered and regulated.

Battery Backup

Type	Sealed lead acid or gel type.
Fuse Rating	10A @ 32VDC.
Failover	Upon AC loss, instantaneous.

Fire Alarm Disconnect

Supervised	Latching or non-latching.
EOL	10K Resistor.

Supervision

AC Failure	Form "C" contacts.
Battery	Form "C" contacts.

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge.

Indicators (LED)

Input	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

Access Power Controllers (two (2) ACMS8):

Input

Voltage	24VDC from one eFlow6NB and 12VDC from another.
Input Fuses	15A / 32V.

Outputs

Voltage	12 or 24VDC individually selectable. Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs: a) Fail-Safe and/or Fail-Secure power outputs. b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated. c) Auxiliary power outputs (unswitched). d) Any combination of the above. Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2. Individual outputs may be set to OFF position for servicing.
Output Fuses	3A / 32VDC.

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized).
Blue LED	FACP disconnect is triggered.
Individual voltage LEDs:	
Green:	12VDC
Red/Green:	24VDC

T1RAL33F16 Kit:

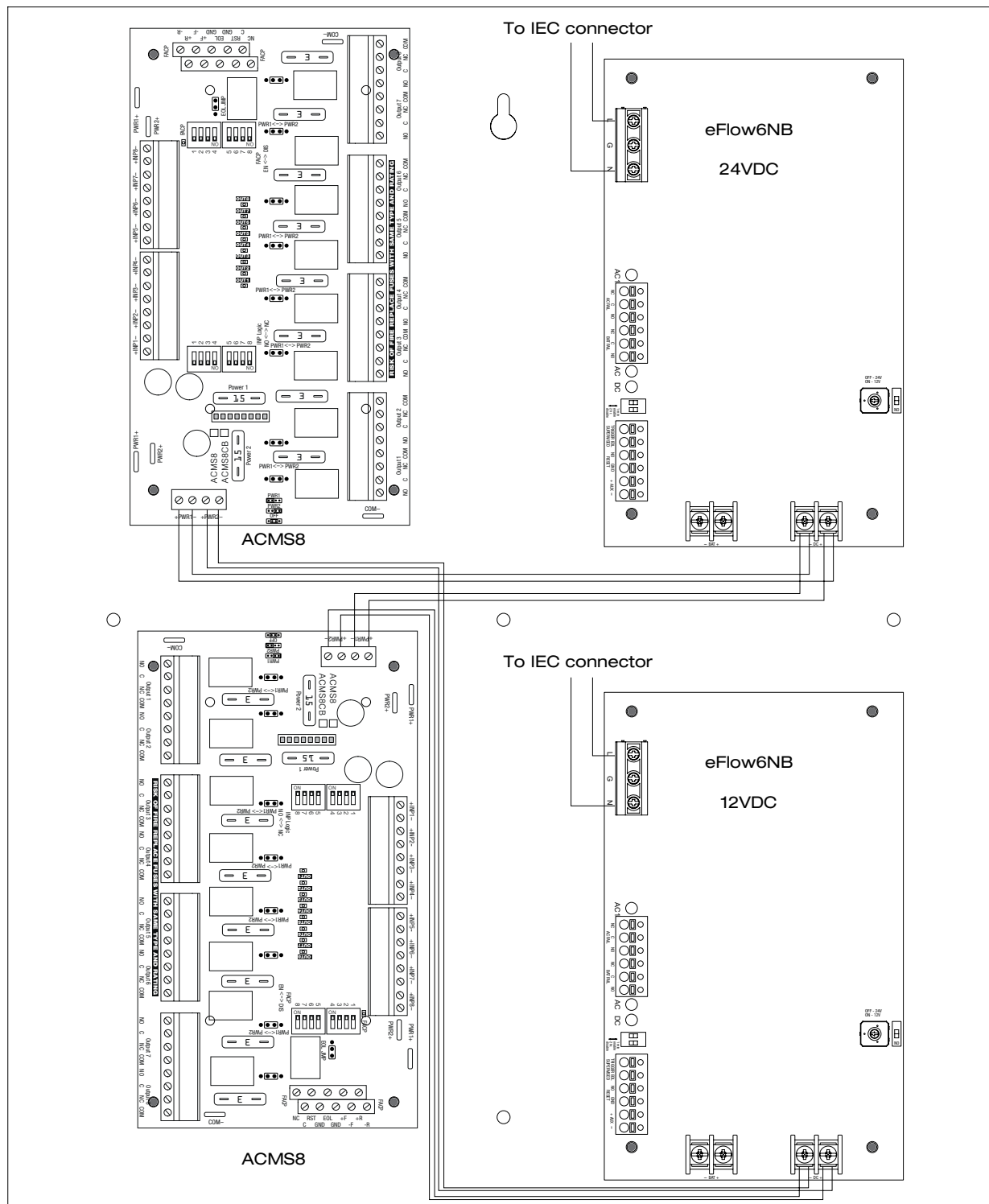
Agency Listings

CE	European Conformity.
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Physical and Environmental:

Dimensions (H x W x D): Modular 2U standard EIA 19" rack mount chassis. 3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm).	
Weights:	
Product	22 lbs. (9.98 kg).
Shipping	27 lbs. (12.25 kg).
Temperature	
Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F).
Relative Humidity	85% +/-5%.
BTU/Hr.:	156 BTU/Hr.

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