

T1RAL3F8 Trove / Altronix Kit Access & Power Integration Solution

Description

Altronix T1RAL3F8 Trove™ Rack kit is pre-assembled and consists of Trove1AL1R enclosure/backplane with the following factory installed Altronix components:

- One (1) eFlow6NB - power supply/charger set at 24VDC;
- One (1) VR6 - Voltage Regulator;
- One (1) PDS8 - Fused Dual Output Power Distribution Module;
- One (1) ACMS8 - Fused Dual Output Access Power Controller.



T1RAL3F8

Key Features

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| <ul style="list-style-type: none"> - Output Power: <ul style="list-style-type: none"> - Eight (8) individually selectable 12VDC or 24VDC fused lock power outputs rated at 6A total max. <ul style="list-style-type: none"> - Fire Alarm Disconnect is individually selectable by output. - Eight (8) individually selectable 12VDC or 24VDC fused power outputs rated at 6A max. for readers, REXs, controllers, etc. - Power status LED on front panel. - Includes cam lock, tamper switch and mounting hardware. - Simplified board layout and wire management. | <ul style="list-style-type: none"> - 6' IEC320 3-wire power cord. - 2U drawer on extendable rails. - Black powder coated steel enclosure. - Convenient knockout configuration: <ul style="list-style-type: none"> - Six (6) 1.25" diameter knockouts located on the back of enclosure. - Included Z Bracket facilitates ease of wiring. - CE European Conformity. - Lifetime Warranty* / Made in the U.S.A. |
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**Altronix Power Supply/Charger 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/Charger (eFlow6NB):

Input

Voltage	120VAC, 60Hz, 3.5A max.
Main Fuse	5A / 250V.

Outputs

Voltage	Factory set at 24VDC.
Current	6A continuous.

Maximum Supply Current for Main and Aux. Outputs on eFlow6NB Power Supply board, ACMS8 Access Power Controller's and PDS8 Power Distribution Module's outputs is 5.6A.

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 70-75% for 24V units. Prevents deep battery discharge.

Indicators (LED)

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

Power Distribution Module (PDS8):

Input

Voltage	24VDC from eFlow6NB and 12VDC from VR6.
Main Fuse	10A / 250V.

Outputs

Voltage	12 or 24VDC individually selectable.
Output Fuses	3A / 32VDC.

Indicators (LED)

DC Output	Eight (8) individual output LEDs.
Green:	12VDC
Red:	24VDC.

Voltage Regulator (VR6):

Input

Voltage	24VDC from eFlow6NB.
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Output

Voltage	12VDC.
Current	6A continuous.
Other	Surge suppression.

Indicators (LED)

Input	24VDC is present.
Output	Powered.

Access Power Controller (ACMS8):

Input

Voltage	24VDC from eFlow6NB and 12VDC from VR6.
Main Fuse	15A / 32V.

Outputs

Voltage	12 or 24VDC individually selectable.
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Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:

- Fail-Safe and/or Fail-Secure power outputs.
- Form "C" Relays. 28VAC or VDC @ 2.5A Rated.
- Auxiliary power outputs (unswitched).
- 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	2.5A / 32VDC.
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Indicators (LED)

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

T1RAL3F8 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	20 lbs. (9.07 kg).
Shipping	25 lbs. (11.34 kg).

Temperature

Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F).

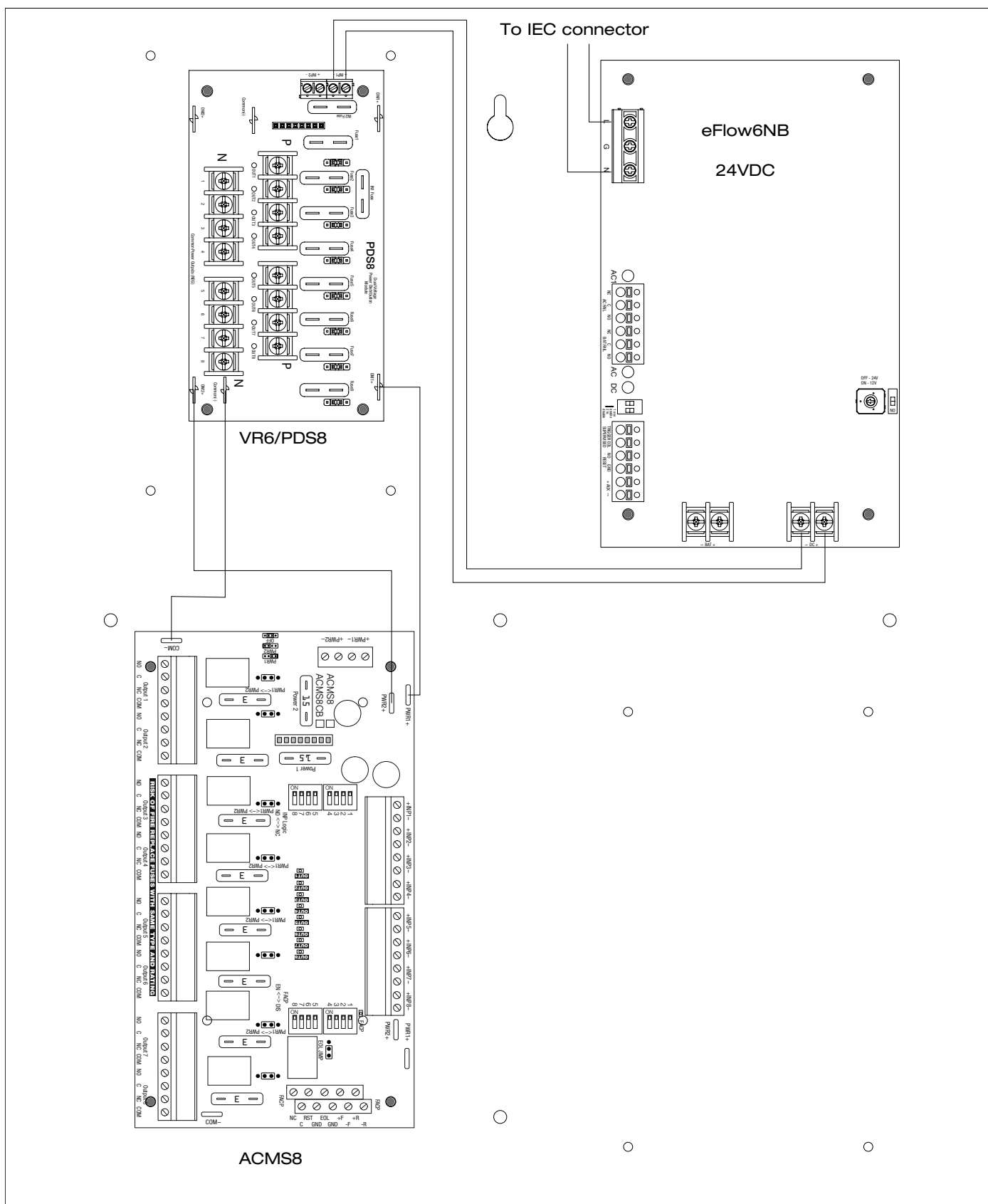
Relative Humidity	85% +/-5%.
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BTU/Hr.:	115 BTU/Hr.
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