

## T1RAL13F8P8

### Rack Access and Power Integration Solution

**TROVE™**

Altronix T1RAL13F8P8 Trove™ Rack kit is pre-assembled and consists Trove1R enclosure and TAL1R Altronix backplane with two (2) 12VDC or 24VDC (factory set at 24VDC) power supply/chargers, eight (8) output fused power distribution module and eight (8) output fused ccess control module. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1RAL13F8P8

### Key Features

- Output Power:
  - Eight (8) Fail Safe/Fail Secure outputs
  - Fire Alarm Disconnect is individually selectable by output
  - Eight (8) 12VDC fused power outputs rated at 4A 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
- 6' IEC320 3-wire power cord
- 2U drawer on extendable rails
- Black powder coated steel enclosure
- Convenient knockout configuration:
  - Four (4) double knockouts - 3/4" Conduit and 1" Conduit
  - Two (2) double knockouts - 1/2" Conduit and 3/4" Conduit
- Included Z Bracket facilitates ease of wiring
- CE European Conformity
- Lifetime Warranty\*

*\*Altronix Power Supply/Charger and Sub-Assemblies only*

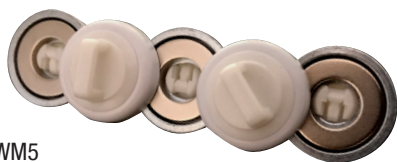
### Accessories (order separately)



RE2

#### RE2 - Rack Mount Battery Enclosure

accommodates up to four (4) 12VDC/7AH batteries



WM5

#### WM5, WM25, WM100 - Magnetic Cable Tie Mounts

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.

**Specifications****Power Supply/Charger (eFlow6NB):****Input**

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

**Outputs**

Voltage	Set for 24VDC
Current	6A continuous
Maximum Supply Current for Main and Aux. Outputs on eFlow6NB Power Supply board, ACM8 Access Power Controller outputs is 5.6A	
Auxiliary	Class 2 power-limited @ 1A (unswitched)

**Power Supply/Charger (eFlow4NB):****Input**

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

**Outputs**

Voltage	Set for 12VDC
Current	4A continuous
Maximum Supply Current for Main and Aux. Outputs on eFlow4NB Power Supply board, ACM8 Access Power Controller outputs is 3.7A	
Auxiliary	Class 2 power-limited @ 1A (unswitched)

**Both Power Supplies:**

Overvoltage protection. Filtered and regulated outputs.

**Battery Charging**

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

**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

**Access Power Controller (ACM8):****Input**

Voltage	24VDC from eFlow6NB
Input Fuse	10A/250V

**Outputs**

Voltage	24VDC
Eight (8) independently controlled 2.5A outputs:	
a) Eight (8) Fail-Safe and/or Fail-Secure power outputs	
b) Eight (8) dry form "C" 5A rated relay outputs	
c) Any combination of the above	
Eight (8) auxiliary power outputs (unswitched)	
Output Fuses	3.5A/250V

**Indicators (LED)**

Red LEDs	Outputs are triggered (relays energized).
Green LED	FACP disconnect is triggered.

**Power Distribution Module (PD8UL):****Input**

Voltage	12VDC from eFlow4NB
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**Outputs**

Class 2 power-limited auto-resettable outputs.	
Voltage	12VDC
Fuses	3.5A/250V

**Indicators (LED)**

Green LED	DC Output
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**T1RAL13F8P8 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  
Enclosure: 3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm)  
Shipping: 31" x 23" x 8.25" (787.4mm x 584.2mm x 209.6mm)

**Weights (approx.):**

Product:	20 lb. (9.07 kg)
Shipping:	25 lb. (11.34 kg)

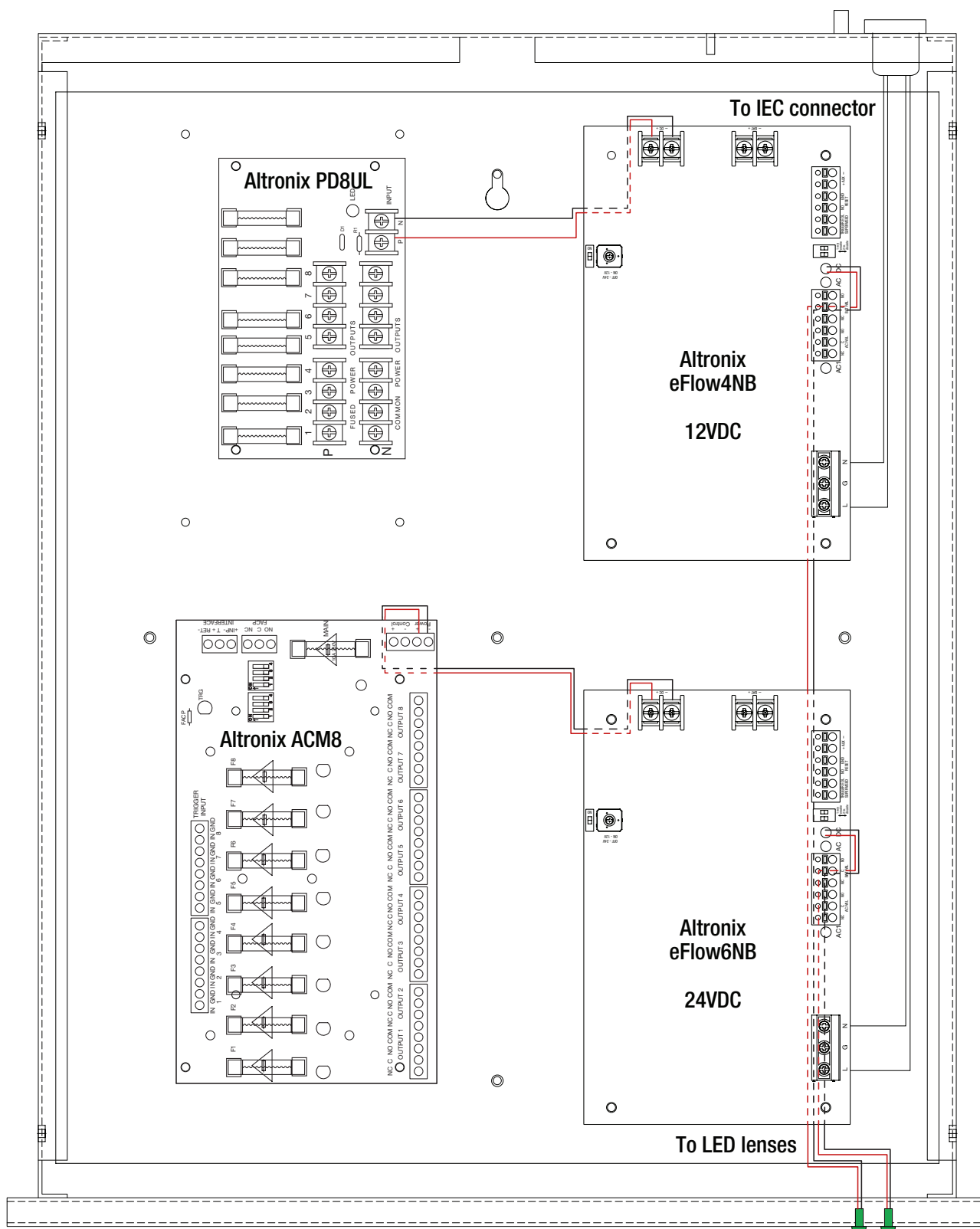
**Temperature**

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

**Relative Humidity**

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



### Dimensions and Drawing

Dimensions (H x W x D approximate)

13.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm)

