

## T1RAL33F16

### Rack Access and Power Integration Solution

**TROVE™**

Altronix T1RAL33F16 Trove™ Rack kit is pre-assembled and consists Trove1R enclosure and TAL1R Altronix backplane with two (2) 12VDC or 24VDC @ 6A power supply/chargers and two (2) eight (8) output fused dual output access control modules. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1RAL33F16

#### Key Features

- Output Power:
  - 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:
  - Four (4) double knockouts - 3/4" Conduit and 1" Conduit
  - Two (2) double knockouts - 1/2" Conduit and 3/4" Conduit
- 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\*

*\*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

### Two (2) Power Supply/Chargers (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 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 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

### Two (2) Dual Input Access Power Controllers (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/32V
--------------	--------

### 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
----	---------------------

### 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)

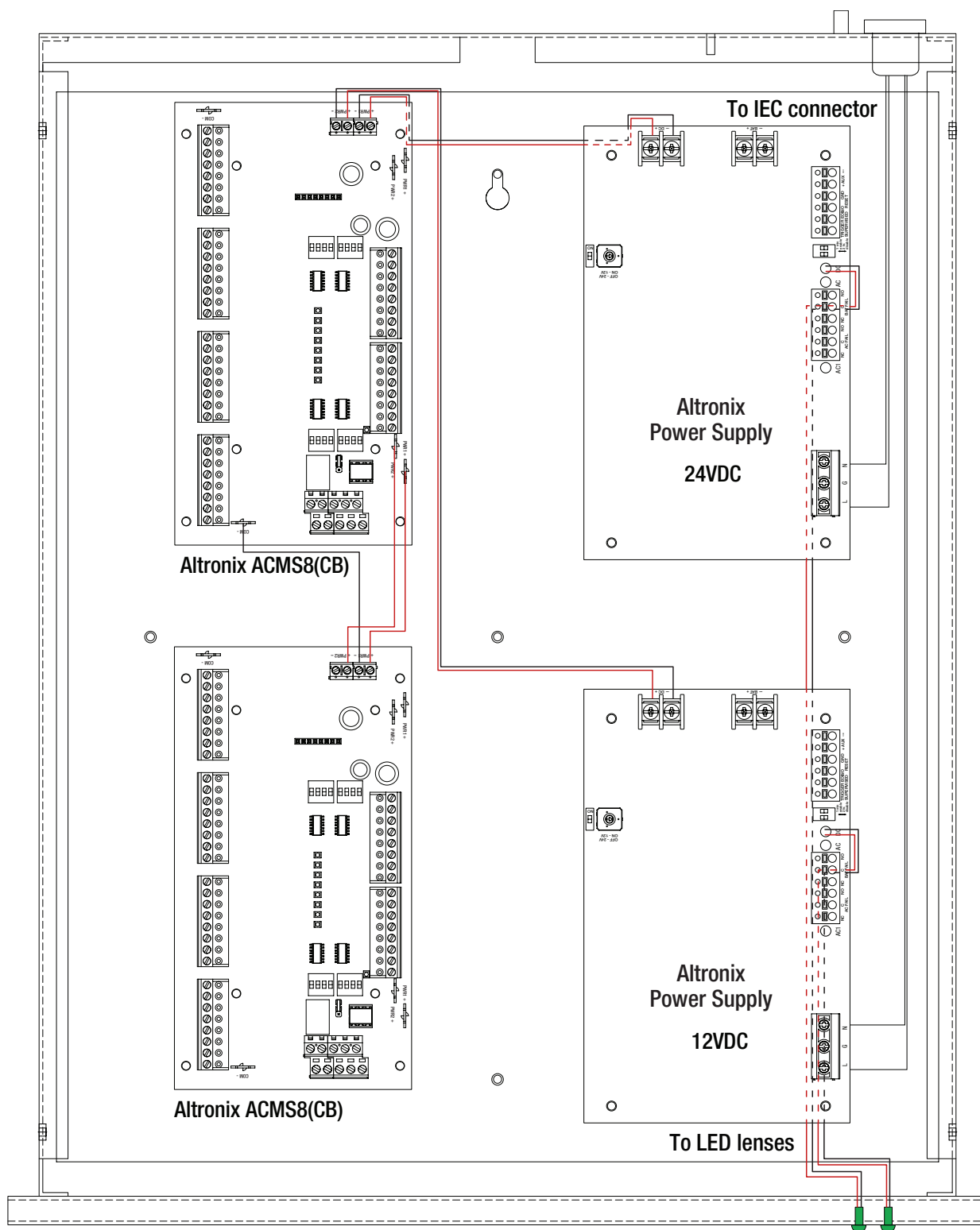
#### Weights (approx.):

Product:	22 lb. (9.98 kg)
Shipping:	27 lb. (12.254 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.:	115 BTU/Hr.



# T1RAL33F16

## Rack Access and Power Integration Solution



## Dimensions and Drawing

Dimensions (H x W x D approximate)

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

