

T1RAL33F16DV

Rack Access and Power Integration Solution

TROVE™

Altronix T1RAL33F16DV 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 PTC dual output access control modules. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1RAL33F16DV

Key Features

- Output Power:
 - Sixteen (16) individually selectable 12VDC or 24VDC PTC 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 (eFlow6RLBV):****Input**

| | |
|------------|--|
| Voltage | 220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.5A |
| Input Fuse | 5A/250V |

Outputs

| | |
|---------|---|
| Voltage | Factory set: one (1) eFlow6RLBV at 12VDC and one (1) at 24VDC |
| Current | 6A continuous Maximum Supply Current for Main and Aux. Outputs on eFlow6RLBV 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 | 220VAC is present |
| DC Output | Powered |
| Battery | Discharged or not connected |

Two (2) Dual Input Access Power Controllers (ACMS8CB):**Input**

| | |
|------------|---|
| Voltage | 24VDC from one eFlow6RLBV and 12VDC from another |
| Input PTCs | 9A |

Outputs

| | |
|-------------|---|
| Voltage | 12 or 24VDC individually selectable. Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) indepently 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) PTC protected power outputs are selectable to follow power Input 1 or Input 2 Individual outputs may be set to OFF position for servicing |
| Output PTCs | 2.5A |

Indicators (LED)

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

T1RAL33F16DV 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) |

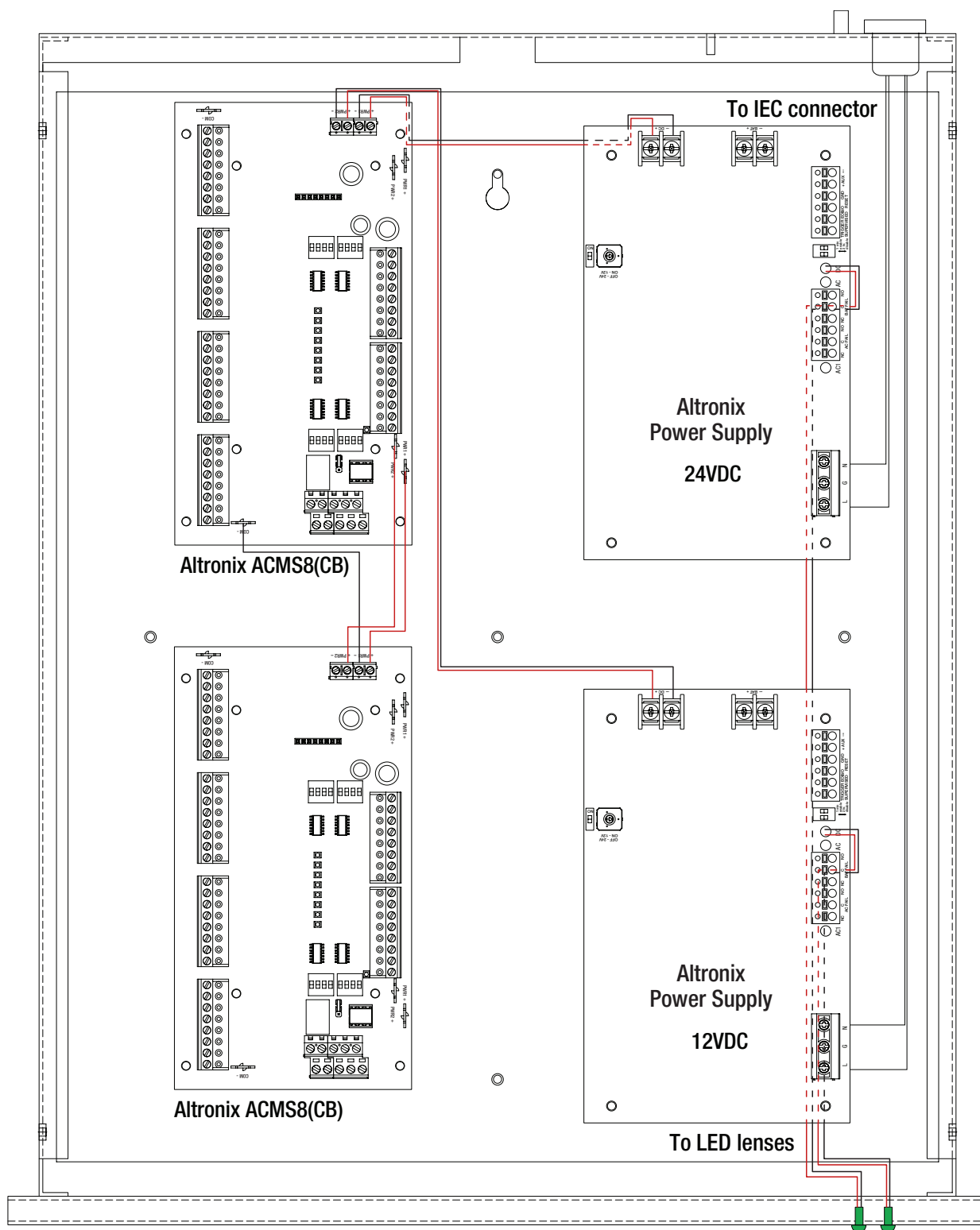
Weights (approx.):

| | |
|-----------|--------------------|
| 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. |



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)

