Altronix®

Rev. 08232022

T1RAL33F16D

Rack Access and Power Integration Solution

TROVE™

Altronix T1RAL33F16D 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.



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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.

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Specifications

Two (2) Power Supply/Chargers (eFlow6RLB):

Input

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

Outputs

Voltage	Factory set: one (1) eFlow6RLB at 12VDC and one (1) at 24VDC
Current	6A continuous

Maximum Supply Current for Main and Aux. Outputs on eFlow6RLB 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) Dul Input Access Power Controllers (ACMS8CB):

Input

Voltage	24VDC from one eFlow6RLB 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

T1RAL33F16D 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)

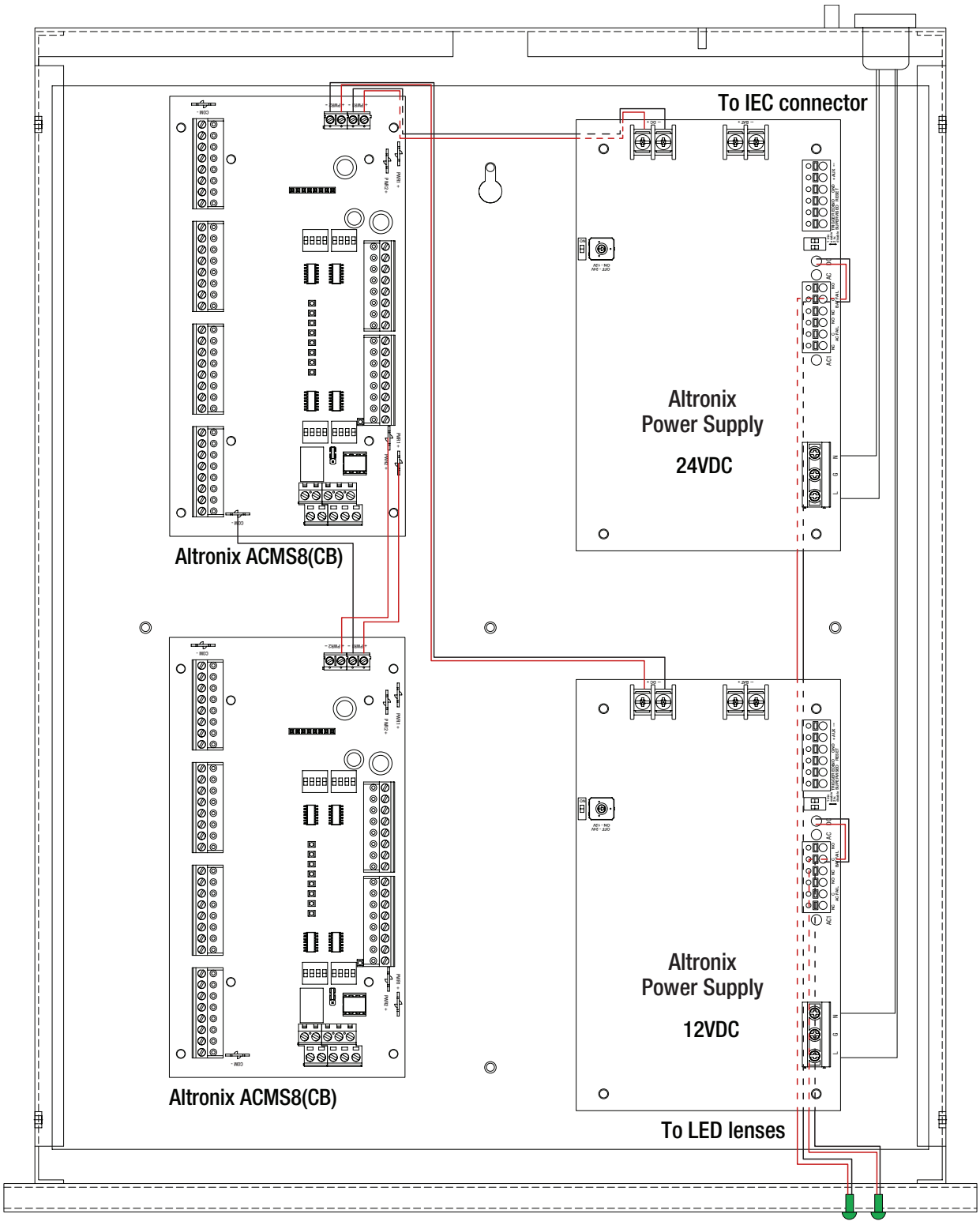
Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr.:	115 BTU/Hr.

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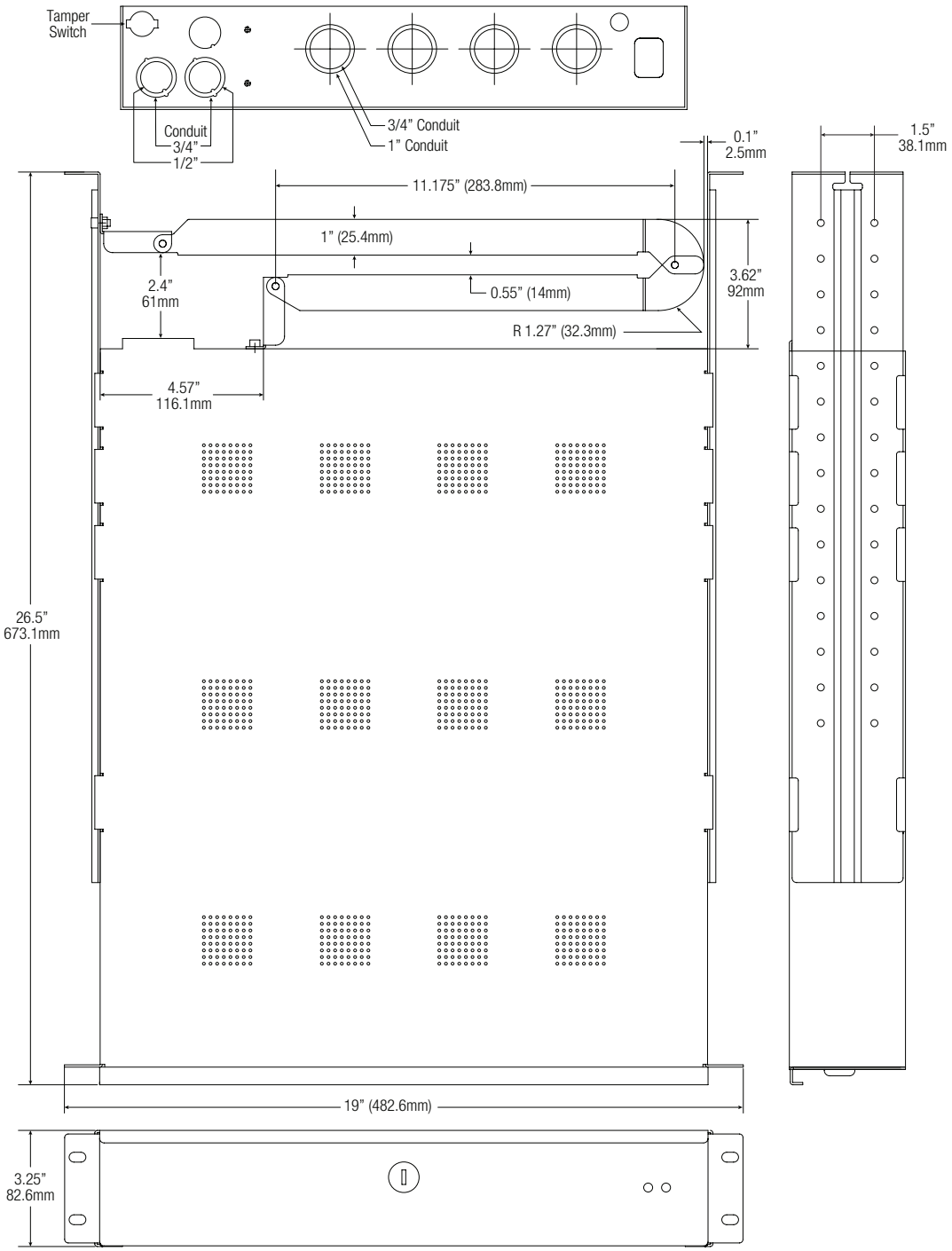
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Dimensions and Drawing

Dimensions (H x W x D approximate)

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



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