Altronix®

Rev. 08012022

T1RAL3L8D

Rack Access and Power Integration Solution

TROVE™

Altronix T1RAL3L8D Trove™ Rack kit is pre-assembled and consists Trove1R enclosure and TAL1R Altronix backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator, eight (8) output PTC dual output power distribution module and eight (8) output PTC dual output access control module. Trove simplifies board layout and wire management, reduces installation time and labor costs.



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Key Features

- Output Power:
  - Eight (8) individually selectable 12VDC or 24VDC PTC lock power outputs rated at 6A total max.
    - Fire Alarm Disconnect is individually selectable by output
  - Eight (8) individually selectable 12VDC or 24VDC PTC 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
- 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*

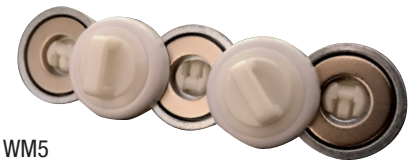
Accessories (order separately)



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.

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Specifications

Power Supply (AL600RLB):

Input

Voltage	115VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Overvoltage protection Filtered and regulated

Battery Charging

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Supervision

AC Failure	Form “C” contacts
Battery	Form “C” contacts

Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage	12VDC from VR6 and 24VDC from AL600RLB
Input PTCs	9A

Outputs

Voltage	12VDC and/or 24VDC

Any of the eight (8) 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)

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

Voltage Regulator (VR6):

Input

Voltage	24VDC from AL600RLB

Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage	24VDC from AL600RLB and 12VDC from VR6
Input PTCs	9A

Outputs

Voltage	12 or 24VDC individually selectable.

Eight (8) selectable 12VDC - 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:	24VDC

T1RAL3L8D 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:	20 lb. (9.07 kg)
Shipping:	25 lb. (11.34 kg)

Temperature

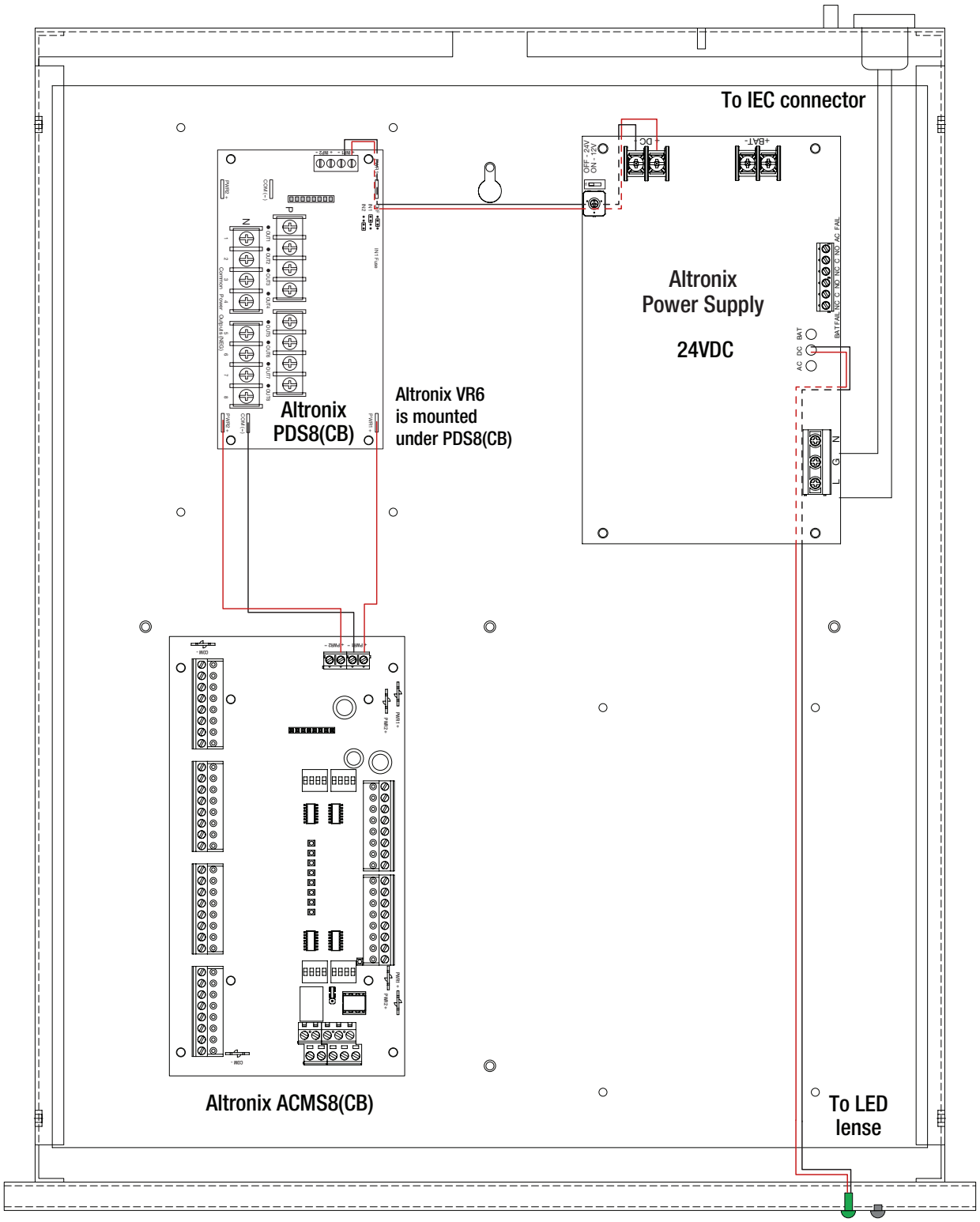
Operating:	0ºC to 49ºC (32ºF to 120ºF).
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)

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

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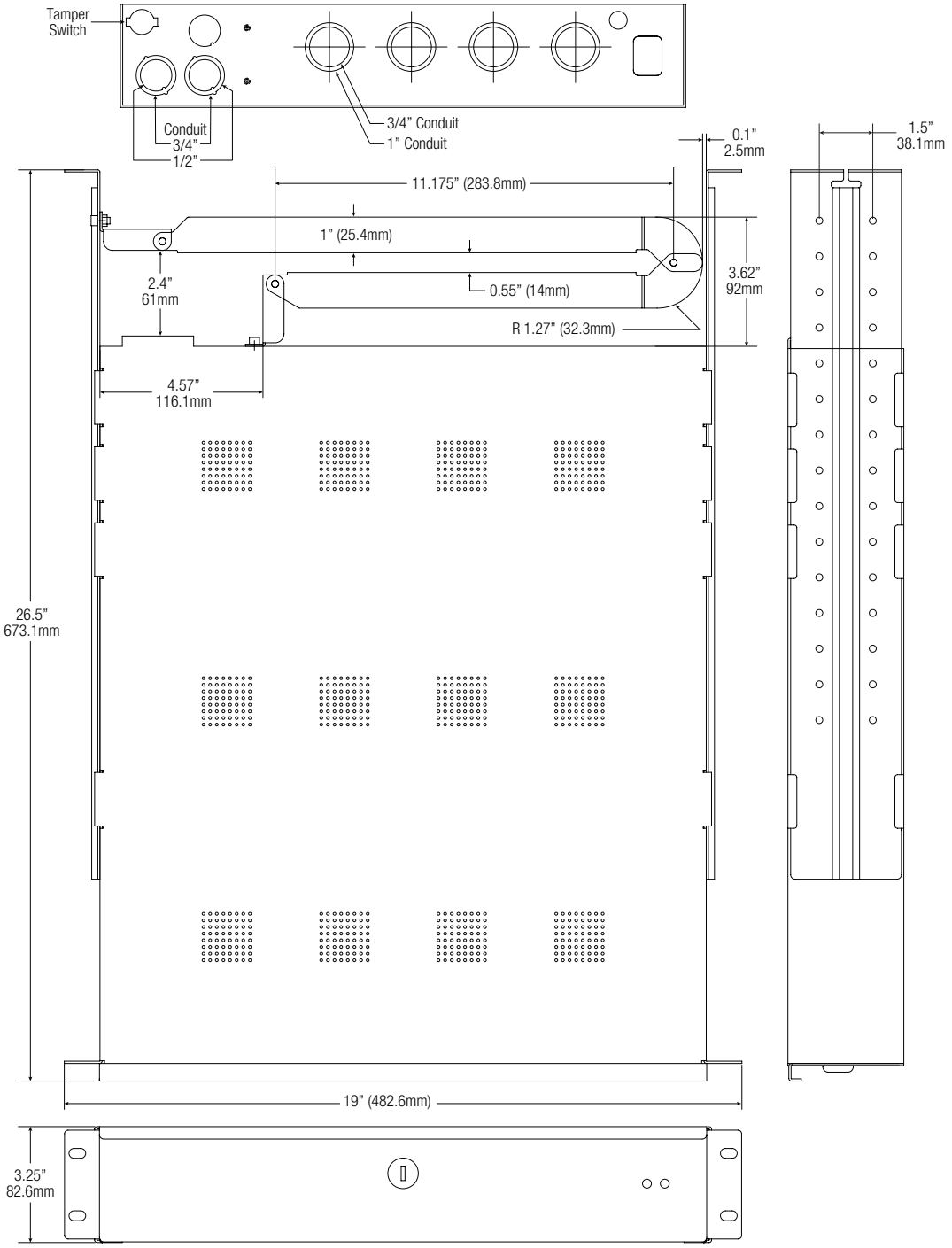
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Dimensions and Drawing

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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