

T1RAG3F8

Rack Access and Power Integration Solution for AMAG M4000



Altronix T1RAG3F8 Trove™ Rack kit is pre-assembled and consists of Trove1R enclosure and TAG1R Altronix/ AMAG M4000 backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator and eight (8) output fused dual output access control module. This kit also accommodates various combinations of AMAG Symmetry M4000 boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



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AMAG boards are not included



Key Features

- Output Power:
 - Eight (8) 24VDC fused lock power outputs rated at 6A total max.
 - Fire Alarm Disconnect is individually selectable by output
- Accommodates the following AMAG Symmetry M4000 boards: M4000-DEC4, M4000-IOC20/16
- Power status LED 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**Power Supply/Charger (eFlow6NB):****Input**

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

Output

Voltage	24VDC
Current	6A continuous
Auxiliary	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	

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 (depending on the power supply)
Prevents deep battery discharge

Indicators (LED)

Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

Voltage Regulator (VR6):**Input**

Voltage	24VDC from eFlow6NB
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Access Power Controller (ACMS8):**Input**

Voltage	24VDC from eFlow6NB and 12VDC from VR6
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Input Fuses	15A/32V
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Outputs

Voltage	12 or 24VDC individually selectable
Eight (8) selectable 12VDC - 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
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Indicators (LED)

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

T1RAG3F8 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)

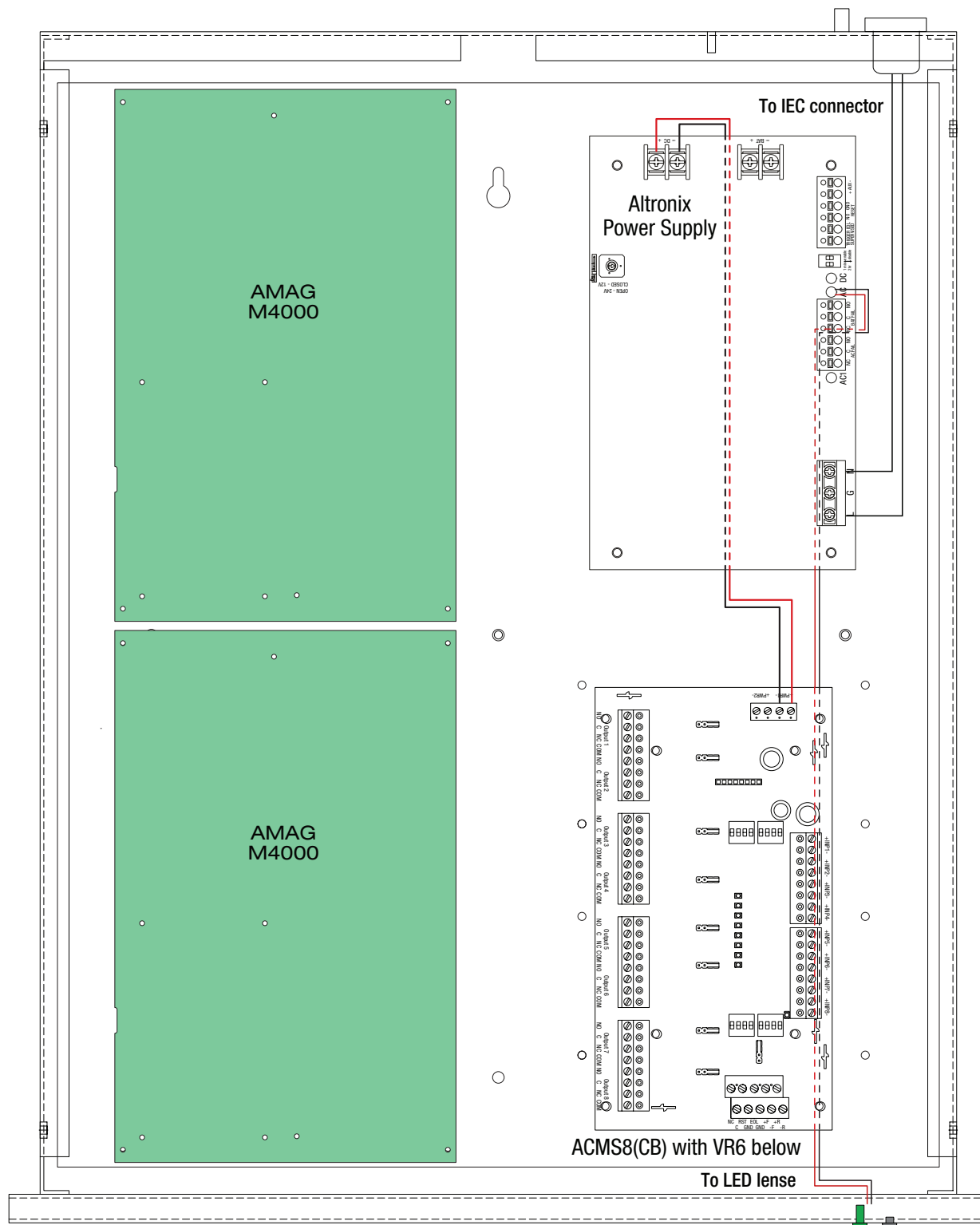
Temperature

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

Relative Humidity	85% +/- 5%
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BTU/Hr.:	87 BTU/Hr.
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Access Controller Position Chart for AMAG Symmetry M4000 Boards:





TroveTM

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)

