

T2RM78S (Kit)

Access & Power Integration Solution for Mercury

TROVE™

Altronix T2RM78S rack kit consists of Trove2M2R enclosure/backplane with one (1) 24VDC @ 10A power supply/charger, one (1) dual input eight (8) fuse protected output access control module, one (1) voltage regulator and one (1) dual input eight (8) fuse protected output power distribution module. This kit also accommodates various combinations of Mercury* boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

***Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt



T2RM78S



Mercury boards are not included

Key Features

- 24VDC power supply/charger
- Accommodates the following Mercury controllers: EP1502, MR52, MR16IN, MR16OUT, EP2500, MUX8, MR51e, EP1501, MR50
- Black powder coated steel enclosure
- Convenient knockout configuration:
 - Six (6) 1.25" diameter knockouts located on the back of enclosure
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- 6' IEC320 3-wire power cord
- 2U drawer on extendable rails
- Included Z Bracket facilitates ease of wiring
- Includes cam lock, tamper switch and mounting hardware
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- Agency Listings:
 - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
 - CE European Conformity
- Lifetime Warranty*

**Altronix Power Supply/Chargers 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**Power Supply/Charger (AL1024ULXB2):****Input**

Voltage	115VAC 60Hz, 4.2A max.
Input Fuse	5A/250V

Outputs

Voltage	24VDC
Current	10A @ 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 Access Power Controller (ACMS8):**Input**

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input Fuses	15A/32V

Outputs

- Voltage 12 or 24VDC individually selectable.
Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:
- Fail-Safe and/or Fail-Secure power outputs
 - Form "C" Relays. 28VAC or VDC @ 2.5A Rated
 - Auxiliary power outputs (unswitched)
 - 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

Voltage Regulator (VR6):**Input**

Voltage	24VDC from AL1024ULXB2
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Power Distribution Module (PDS8):**Input**

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input Fuses	10A/32V

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 Fuses	3A/32V

Indicators (LED)

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

T2RM78S 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 33.1" (82.6mm x 482.6mm x 840.8mm)
Shipping: 7.75" x 22.5" x 42.0" (196.9mm x 571.5mm x 1,066.8mm)

Weights (approx.):

Product:	40.5 lb. (18.37 kg)
Shipping:	45.5 lb. (20.64 kg)

Temperature:

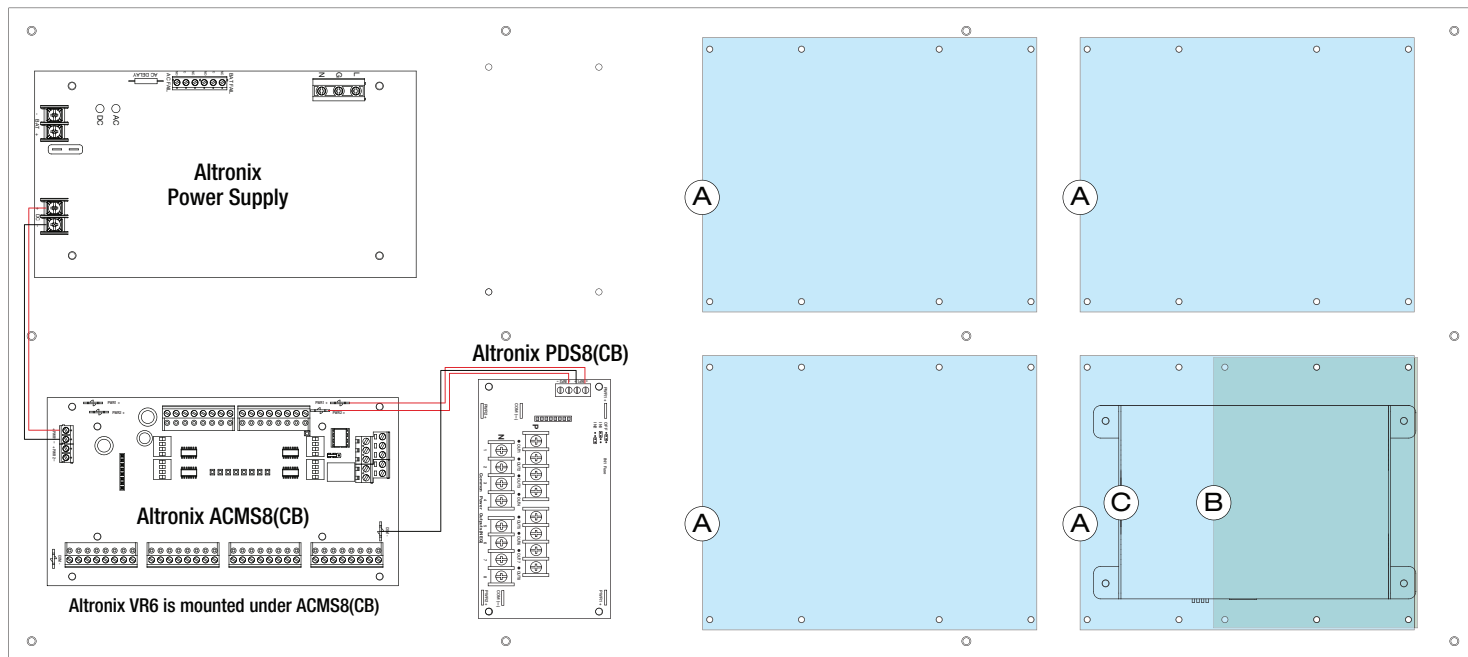
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

Relative Humidity	85% +/- 5%
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BTU/Hr.:	123 BTU/Hr.
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Access Controller Position Chart for the Following Models:

Altronix/Mercury	Pem Mounting
LP1502, LP4502, MR52, MR16IN, MR16OUT	(A)
LP2500, MUX8	(B)
Genetec Cloudlink	(C)



Dimensions and Drawing

Dimensions (H x W x D approximate)

3.375" x 19.0" x 33.25" (85.8mm x 482.6mm x 844.6mm)

