

T2RM78SD (Kit)

Access & Power Integration Solution for Mercury



Altronix T2RM78SD rack kit consists of Trove2M2R enclosure/backplane with one (1) 24VDC @ 10A power supply/charger, one (1) dual input eight (8) PTC protected output access control module, one (1) voltage regulator and one (1) dual input eight (8) PTC 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.



T2RM78SD

Mercury boards are not included

***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



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*

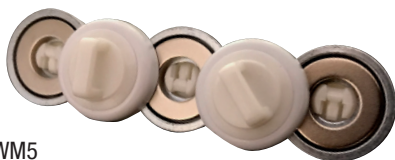
**Altronix Power Supply/Chargers and Sub-Assemblies only*

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 (ACMS8CB):

Input

Voltage 24VDC from AL1024ULXB2 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) 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) 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

Voltage Regulator (VR6):

Input

Voltage 24VDC from AL1024ULXB2

Output

Voltage 12VDC
 Current 6A continuous
 Other Surge suppression

Indicators (LED)

Input 24VDC is present
 Output Powered

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage 24VDC from AL1024ULXB2 and 12VDC from VR6
 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

T2RM78SD 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 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:

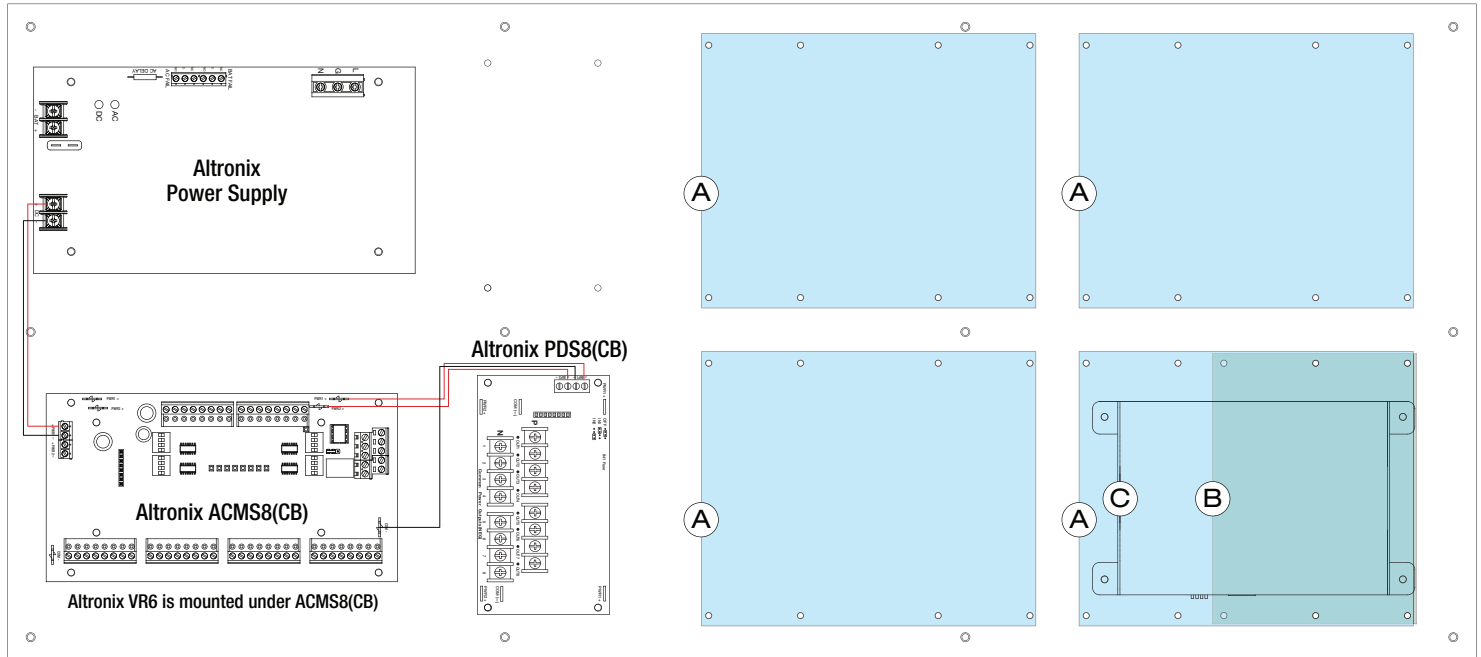
Operating 0°C to 49°C (32°F to 120°F)
 Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr.: 123 BTU/Hr.

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)

