Altronix®

T2RM7F8SV (Kit)

Access & Power Integration Solution for Mercury

TROVE™

Altronix T2RM7F8SV 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, Identicard, IMRON, Johnson Controls, Kastle, Keri Systems, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt

Mercury™

T2RM7F8SV

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 (minimum 40", maximum 48")
- Included Z Bracket facilitates ease of wiring
- Includes cam lock, tamper switch and mounting hardware
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- 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 (eFlow104RLBV):

Input
Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A
Input Fuse	6.3A/250V

Outputs
Voltage	24VDC
Current	10A continuous
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 70-75% for 24V units. Prevents deep battery discharge

Indicators (LED)
Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

Dual Input Access Power Controller (ACMS8):

Input
Voltage	24VDC from eFlow104RLBV 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) 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) 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

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 eFlow104RLBV

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 eFlow104RLBV 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

T2RM7F8SV Kit:

Agency Listings
CE	European Conformity

Physical and Environmental:

Dimensions (H x W x D):
Modular 2U standard EIA 19" rack mount chassis
Rack Tower minimum 42" and maximum 48".
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:
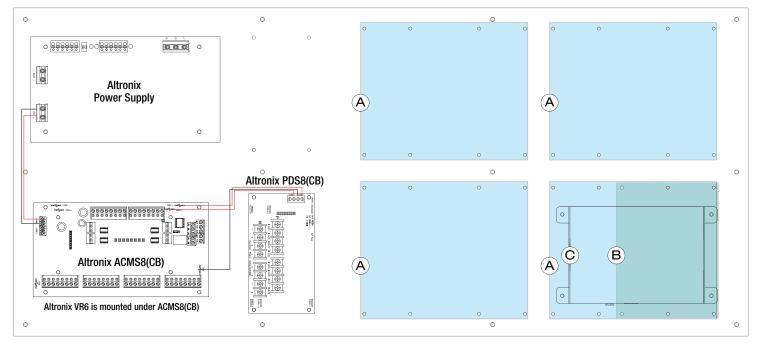|	
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	− 20ºC to 70ºC (− 4ºF to 158ºF)
Relative Humidity	85% +/− 5%
BTU/Hr.:	123 BTU/Hr.

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Access Controller Position Chart for the Following Models:

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

Altronix
Power Supply

Altronix PDS8(CB)

Altronix ACMS8(CB)

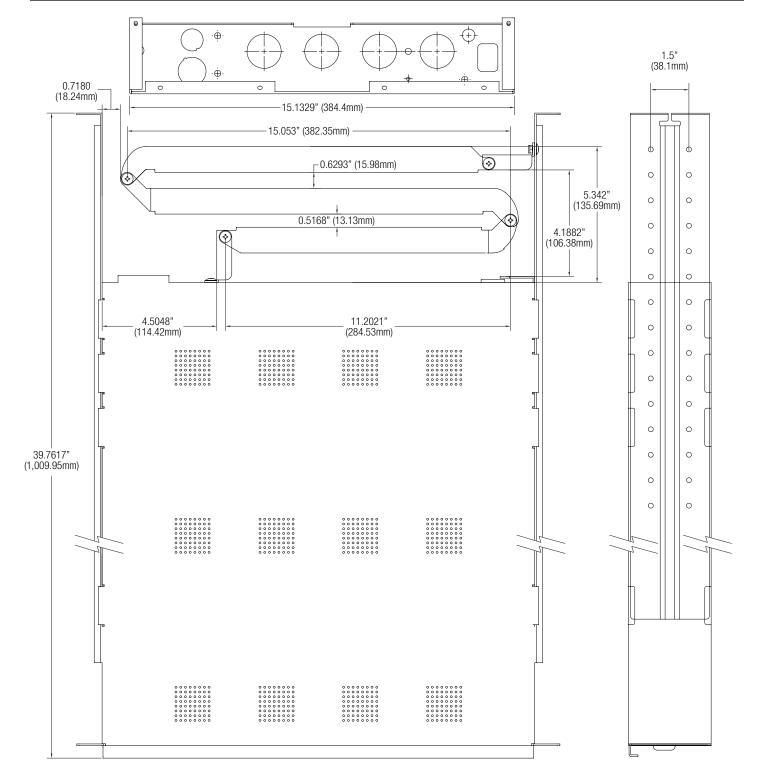Altronix VR6 is mounted under ACMS8(CB)

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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)

0.7180
(18.24mm)

1.5"
(38.1mm)

15.1329" (384.4mm)

15.053" (382.35mm)

0.6293" (15.98mm)

5.342"
(135.69mm)

0.5168" (13.13mm)

4.1882"
(106.38mm)

4.5048"
(114.42mm)

11.2021"
(284.53mm)

39.7617"
(1,009.95mm)