Altronix®

T1RM3F4D

Rack Access and Power Integration Solution for Mercury

TR□VE™

Altronix T1RM3F4D kit consists of Trove1R enclosure and TM1R Altronix & Mercury 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 four (4) PTC protected output access control module. This kit also accommodates various combinations of Mercury* boards for up to four (4) 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

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MERCURY SECURITY™

Key Features

- Output Power:

  - Four (4) 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 total max. for readers, REXs, controllers, etc.

- Accommodates the following Mercury controllers: LP1502, MR52, MR16IN, MR16OUT, LP2500, MUX8, MR62e, LP1501, MR50.

- Power status LED on front panel.

- Simplified board layout and wire management.

- Convenient knockout configuration:
  - Six (6) 1.25" diameter knockouts located on the back of enclosure.

- 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*

*AltronixPowerSupply/ChargerandSub-Assembliesonly

Accessories *(order separately)*

RE2

RE2 - Rack Mount Battery Enclosure
Altronix RE2 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 (eFlow6NB):

Input

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

Outputs

Voltage	Factory set at 24VDC.
Current	6A continuous.

Maximum Supply Current for Main and Aux. Outputs on eFlow6NB Power Supply board, PDS8CB Power Distribution Module's and ACM4CB Access Power Controller's outputs is 5.6A.

Auxiliary	Class 2 power-limited @ 1A (unswitched).
Other	Overvoltage protection. Filtered and regulated.

Battery Backup

Type	Sealed lead acid or gel type.
Fuse Rating	10A @ 32VDC.
Failover	Upon AC loss, instantaneous.

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

Power Distribution Module (PDS8CB):

Input

Voltage	24VDC from eFlow6NB and 12VDC from VR6.
Input PTC	9A.

Outputs

Voltage	12 or 24VDC individually selectable.
Output PTCs	2.5A.

Indicators (LED)

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

Voltage Regulator (VR6):

Input

Voltage	24VDC from eFlow6NB.

Output

Voltage	12VDC.
Current	6A continuous.
Other	Surge suppression.

Indicators (LED)

Input	24VDC is present.
Output	Powered.

Access Power Controller (ACM4CB):

Input

Voltage	24VDC from eFlow6NB.
Main Fuse	10A / 250V.

Outputs

Voltage	24VDC.

Four (4) independently controlled 2.5A outputs:
  a) Four (4) Fail-Safe and/or Fail-Secure power outputs.
Four (4) auxiliary power outputs (unswitched).

Output PTCs	2.5A.

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized).
Green LED	FACP disconnect is triggered.

Agency Listings

CE	European Conformity.

Physical and Environmental:

Dimensions (H x W x D):

Modular 2U standard EIA 19" rack mount chassis.
3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm).

Weights:

Product	20 lbs. (9.07 kg).
Shipping	25 lbs. (11.34 kg).

Temperature

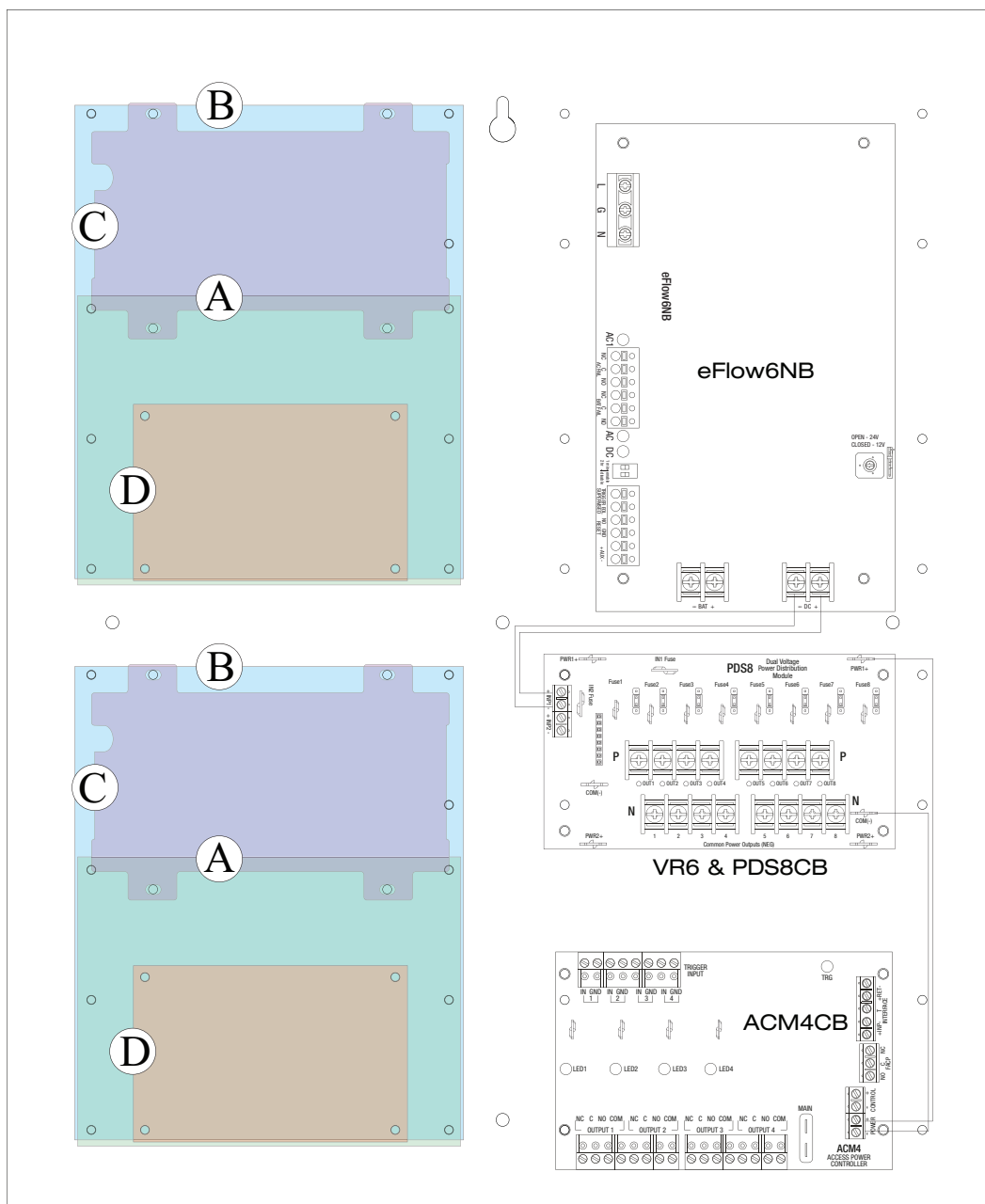|	
Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
Relative Humidity	85% +/-5%.
BTU/Hr.:	115 BTU/Hr.

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Access Controller Position Chart for the Following Models:

Altronix/Mercury	Pem Mounting
LP2500, MUX8	Ⓐ
LP1502, LP4502, MR52, MR16IN, MR16OUT	Ⓑ
LP1501, MR62e	Ⓒ
MR50	Ⓓ

eFlow6NB

VR6 & PDS8CB

ACM4CB