Altronix®

T2RM7CK1D (Pre-wired Kit)

Rack Mount Access and Power Integration Solution for Mercury

TR□VE™ PLUS

Altronix T2RM7CK1D is a 8-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Mercury* hardware. This unit provides ample power and dual voltage outputs to support Mercury platform controllers and locking devices. The T2RM7CK1D accommodates one (1) Intelligent Dual Reader Controller and three (3) Dual Reader Interface Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

*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 i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt

MERCURY SECURITY

T2RM7CK1D - includes eFlow104NB, ACMS8CB, VR6, PDS8CB, wire harnesses and management

Mercury boards are not included

Key Features

- Accommodates the following Mercury controllers:
  1 - LP1502 / LP4502 and 3 - MR52
- 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
  - Low Battery and Battery Presence
  - Low power shutdown
- 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

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Specifications

Power Supply (eFlow104NB):

Input
Voltage	120VAC, 60Hz, 4.5A max
Input Fuse	6.3A/250V

Output
Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	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 (depending on the power supply)
Prevents deep battery discharge

Indicators (LED)
AC Input	120VAC is present
DC Output	24VDC is present
Battery	Discharged or not connected

Dual Input Access Power Controller (ACMS8CB):

Input
Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input PTCs	9A

Outputs
Voltage	24VDC

Eight (8) 24VDC independently controlled PTC outputs
  a) Fail-Safe and/or Fail-Secure power outputs
    Form "C" Relays rated 28VAC or VDC @ 2.5A
  b) Auxiliary power outputs (unswitched)
  c) Any combination of the above
Output PTCs	2.5A

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

Voltage Regulator (VR6):

Input
Voltage	24VDC from eFlow104NB

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 eFlow104NB 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

T2RM7CK1D 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"
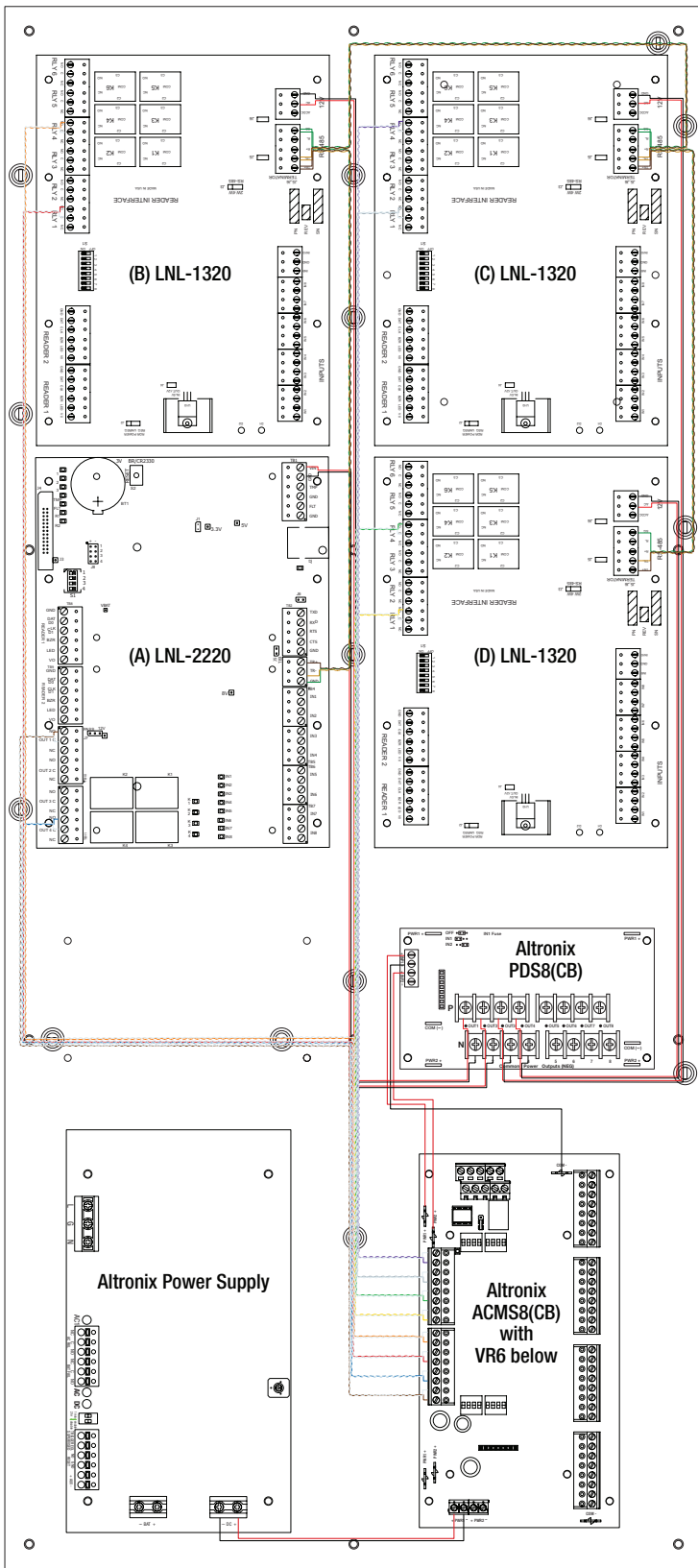   (196.9mm x 571.5mm x 1,066.8mm)

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

Temperature:
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr.:	123 BTU/Hr.

(B) LNL-1320

(C) LNL-1320

(A) LNL-2220

(D) LNL-1320

Altronix PDS8(CB)

Altronix Power Supply

Altronix ACMS8(CB) with VR6 below

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.

Mounting Magnet

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/accessories in any metal enclosure or backplane.

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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)

1.5"
(38.1mm)

0.7180
(18.24mm)

15.1329" (384.4mm)

15.053" (382.35mm)

0.6293" (15.98mm)

5.342"
(135.69mm)

4.1882"
(106.38mm)

0.5168" (13.13mm)

4.5048"
(114.42mm)

11.2021"
(284.53mm)

39.7617"
(1,009.95mm)