

## T2RM7CK1V (Pre-wired Kit)

### Rack Mount Access and Power Integration Solution for Mercury



Altronix T2RM7CK1V 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 T2RM7CK1V 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, Identocard, 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



T2RM7CK1V - includes eFlow104NBV, ACMS8, VR6, PDS8, 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:
  - CE European Conformity
- Lifetime Warranty\*

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

**Specifications****Power Supply (eFlow104NBV):****Input**

Voltage 220VAC (working range 198VAC - 256VAC),  
50/60Hz, 2.7A

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 220VAC is present

DC Output 24VDC is present

Battery Discharged or not connected

**Dual Input Access Power Controller (ACMS8):****Input**

Voltage 24VDC from eFlow104NBV and  
12VDC from VR6

Input Fuses 15A/32V

**Outputs**

Voltage 24VDC

Eight (8) 24VDC independently controlled fused 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 Fuses 3A/32V

**Indicators (LED)**

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

**Voltage Regulator (VR6):****Input**

Voltage 24VDC from eFlow104NBV

**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 eFlow104NBV 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

**T2RM7CK1V 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)

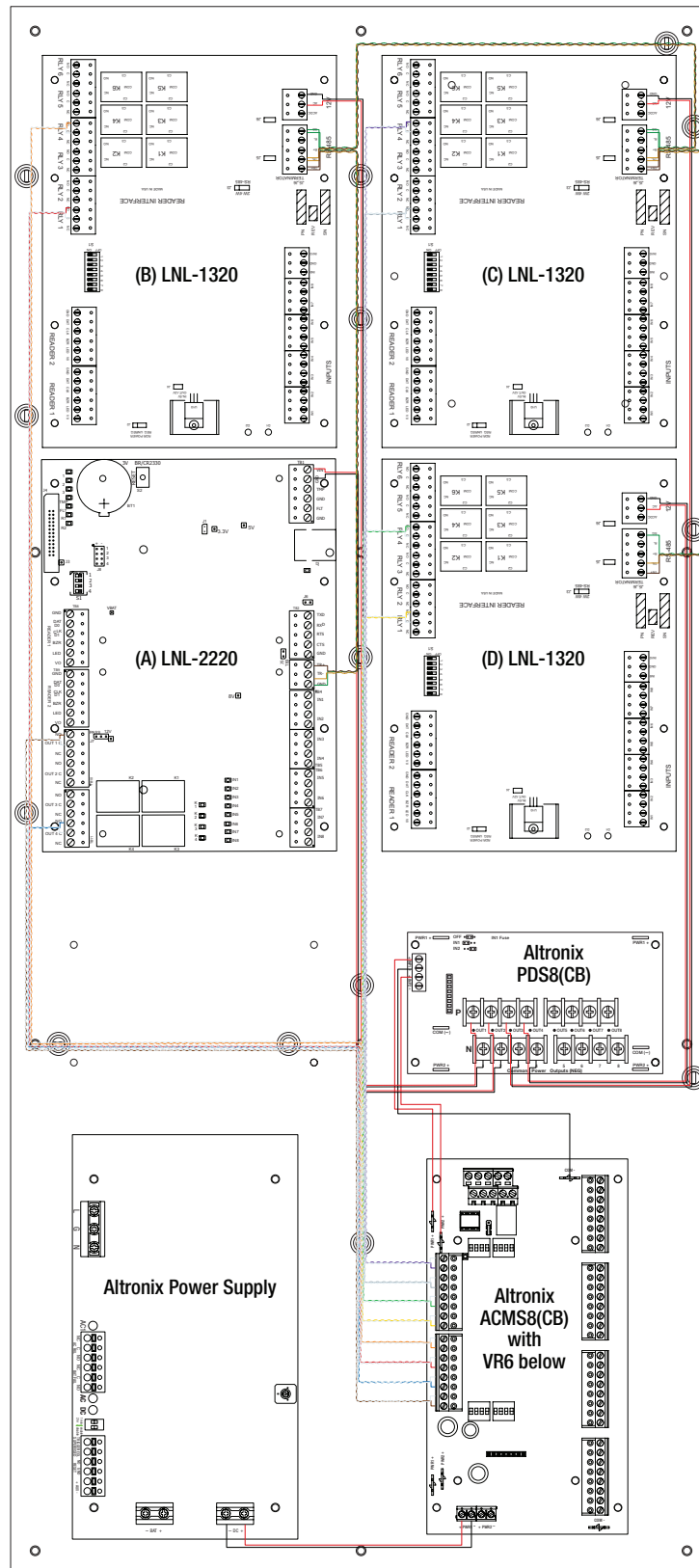
Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr.: 123 BTU/Hr.

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### 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.

## 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)

