

# T1M1CK1D (Pre-wired Kit)

## Access and Power Integration Solution for Mercury



Altronix T1M1CK1D is a 4-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 T1M1CK1D accommodates one (1) Intelligent Dual Reader Controller and one (1) 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, Identicon, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T1M1CK1D - includes  
eFlow4NB, PDS8CB, VR6, ACM4CB,  
wire harnesses and wire magnets

*Mercury modules are not included*

## Key Features

- Accommodates the following Mercury controllers:
  - 1 - LP1502 / LP4502 and 1 - MR52
- Convenient knockout configuration:
  - One (1) knockout - 1-1/2" Conduit
  - Nine (9) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
  - Removable backplane
  - Wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- 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
  - UL: UL294 - Access Control System
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty\*

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

**Specifications**

**Power Supply (eFlow4NB):**

**Input**

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

**Output**

Voltage 24VDC  
 Current 4A continuous  
 Other Overvoltage protection. Filtered and regulated

**Battery Charging**

Capacity 7AH/12VDC (2 within enclosure)  
 40AH/65AH (requires separate enclosure)  
 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

**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)**

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

**Dual Input Power Distribution Module (PDS8CB)**

**Input**

Voltage 24VDC from eFlow4NB 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

**Voltage Regulator (VR6):**

**Input**

Voltage 24VDC from eFlow4NB

**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 eFlow4NB  
 Input Fuse 10A/32V

**Outputs**

Voltage 24VDC  
 Four (4) 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

**T1M1CK1D Kit:**

**Agency Listings**

All components of this Trove kit are UL Listed sub-assemblies  
 Please refer to the corresponding Sub-Assembly Installation Guides for further information

CE European Conformity

**Physical and Environmental**

**Dimensions (H x W x D)**

Enclosure:  
 18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)  
 Shipping:  
 21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

**Weight (approx.)**

Product 18.0 lb. (8.17 kg)  
 Shipping 22.0 lb. (9.98 kg)

**Temperature**

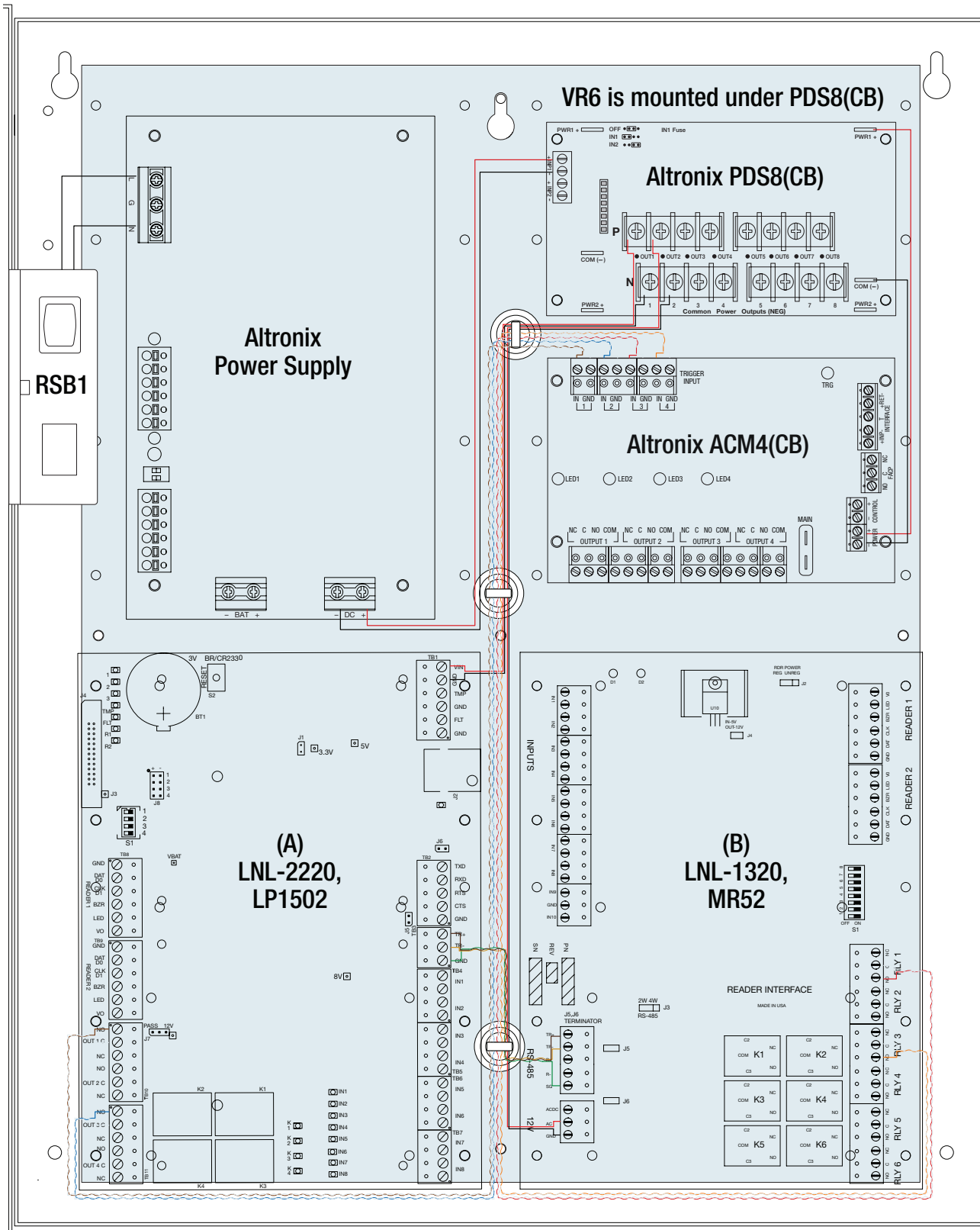
Operating 0°C to 49°C (32°F to 120°F)  
 Storage - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity**

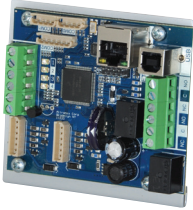
85% +/- 5%

**BTU/Hr (approx.):**

90 BTU/Hr.



**Accessories** (order separately)



LINQ2

**LINQ2 - Network Supervision**

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email



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)  
 18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

