

# T1M1LCK1DQ (Pre-wired Kit)

## Access and Power Integration Solution for Mercury



Altronix T1M1LCK1DQ 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 T1M1LCK1DQ 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.



T1M1LCK1DQ - includes AL400ULXB2, VR6, LINQ8PDCB, wire harnesses and wire magnets

**\*Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



*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
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- CE European Conformity
- Lifetime Warranty\*

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

### Accessories (order separately)



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.

**Specifications**

**Power Supply (AL400ULXB2):**

**Input**

Voltage 115VAC, 60Hz, 3.5A max  
 Input Fuse 5A/250V

**Output**

Voltage 12VDC or 24VDC selectable  
 Current 4A @ 12VDC or 3A @ 24VDC continuous max.  
 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

**Indicators (LED)**

Input 115VAC is present  
 DC Output Powered  
 Battery Discharged or not connected

**Voltage Regulator (VR6):**

**Input**

Voltage 24VDC from AL400ULXB2

**Output**

Voltage 12VDC  
 Current 6A continuous  
 Other Surge suppression

**Indicators (LED)**

Input 24VDC is present  
 Output Powered

**Network Power Distribution Module (LINQ8PDCB):**

**Input**

Voltage 12VDC from VR6 and  
 24VDC from AL400ULXB2

Input PTCs 9A

**Outputs**

Any of the eight (8) PTC protected 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

**Status Monitoring**

Power Supply output voltage and load, Voltage and load of each output  
 FACP trigger and reset status, Unit temperature (Celsius)  
 Power Supply AC and Battery status, Battery health

**Reporting:**

Windows Dashboard Alert messages  
 E-mail notifications, Event Log tracks history

**Indicators (LED)**

Bat Local Charging current status  
 FACP Triggered / Released  
 Input Input signal  
 Out1 - Out8 Output status

**T1M1LCK1DQ Kit:**

**Agency Listings**

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.)**

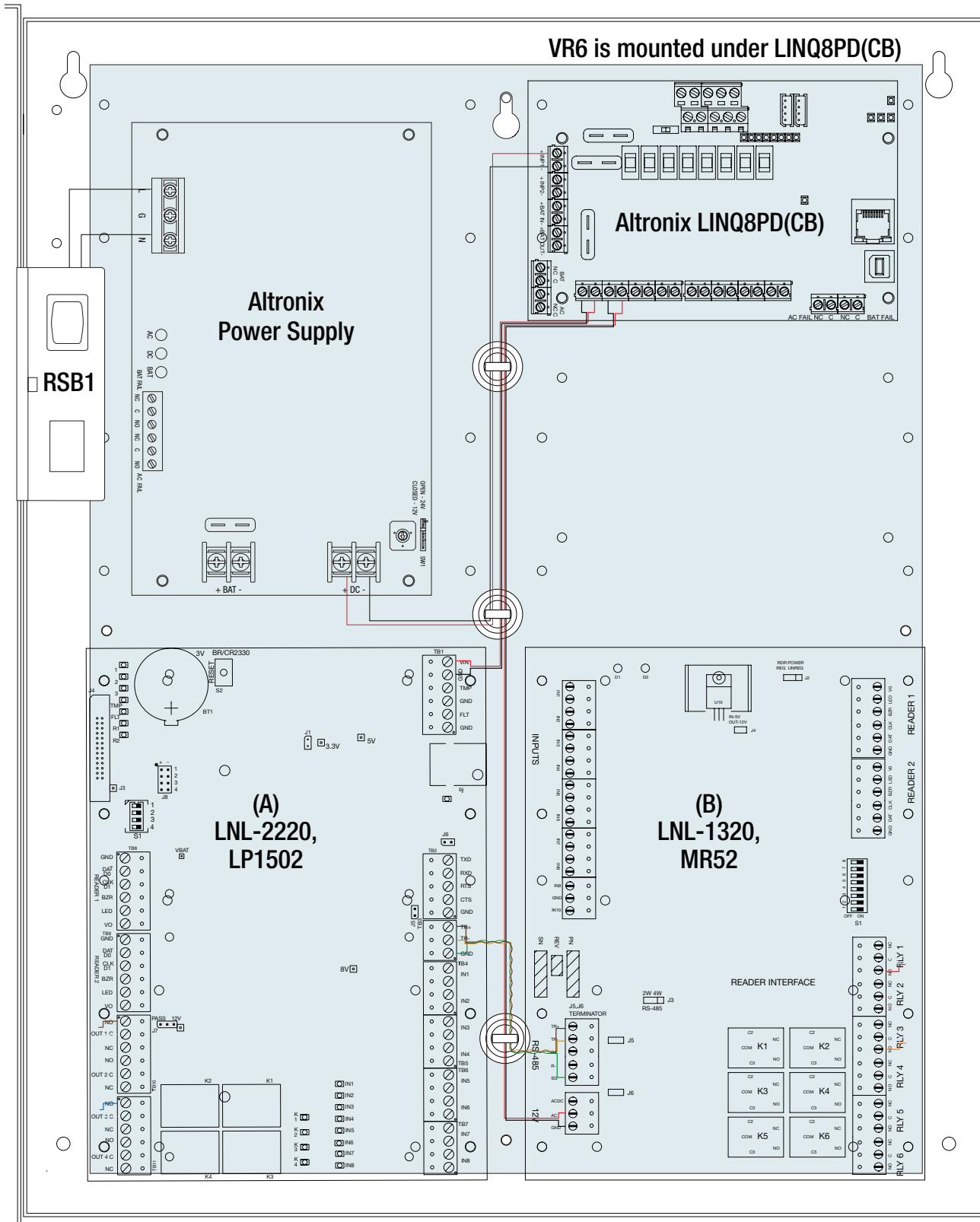
Product 18.0 lb. (8.17 kg)  
 Shipping 22.0 lb. (9.98 kg)

**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.



**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)

