

## T2M7LCK2 (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T2M7LCK2 is a 6-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 T2M7LCK2 accommodates one (1) Intelligent 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, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T2M7LCK2 - includes AL1024ULXB2, ACMS8, VR6, PDS8, wire harnesses and wire magnets

*Mercury modules are not included*

### Key Features

- Accommodates the following Mercury controllers:
  - 1 - LP2500 and 3 - MR52
- Convenient knockout configuration:
  - One (1) single knockout - 2" Conduit
  - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" 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 four (4) 12VDC/7AH batteries
- Lifetime Warranty\*

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

**Specifications**

**Power Supply (AL1024ULXB2):**

**Input**

Voltage 115VAC 60Hz, 4.2A max  
Input Fuse 5A/250V

**Outputs**

Voltage 24VDC  
Current 10A @ 24VDC continuous max  
Other Overvoltage protection. Filtered and regulated

**Battery Charging**

Capacity 12VDC/7AH (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

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

**Input**

Voltage 24VDC from AL1024ULXB2 and  
12VDC from VR6  
Input Fuses 15A/32V

**Outputs**

Voltage 12VDC and/or 24VDC  
Eight (8) 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 AL1024ULXB2

**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 AL1024ULXB2 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

**T2M7LCK2 Kit:**

**Agency Listings**

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

**Physical and Environmental:**

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

Enclosure:  
27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)  
Shipping:  
32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

**Weight (approx.)**

Product: 41.6 lb. (18.87 kg)  
Shipping: 45.6 lb. (20.68 kg)

**Temperature**

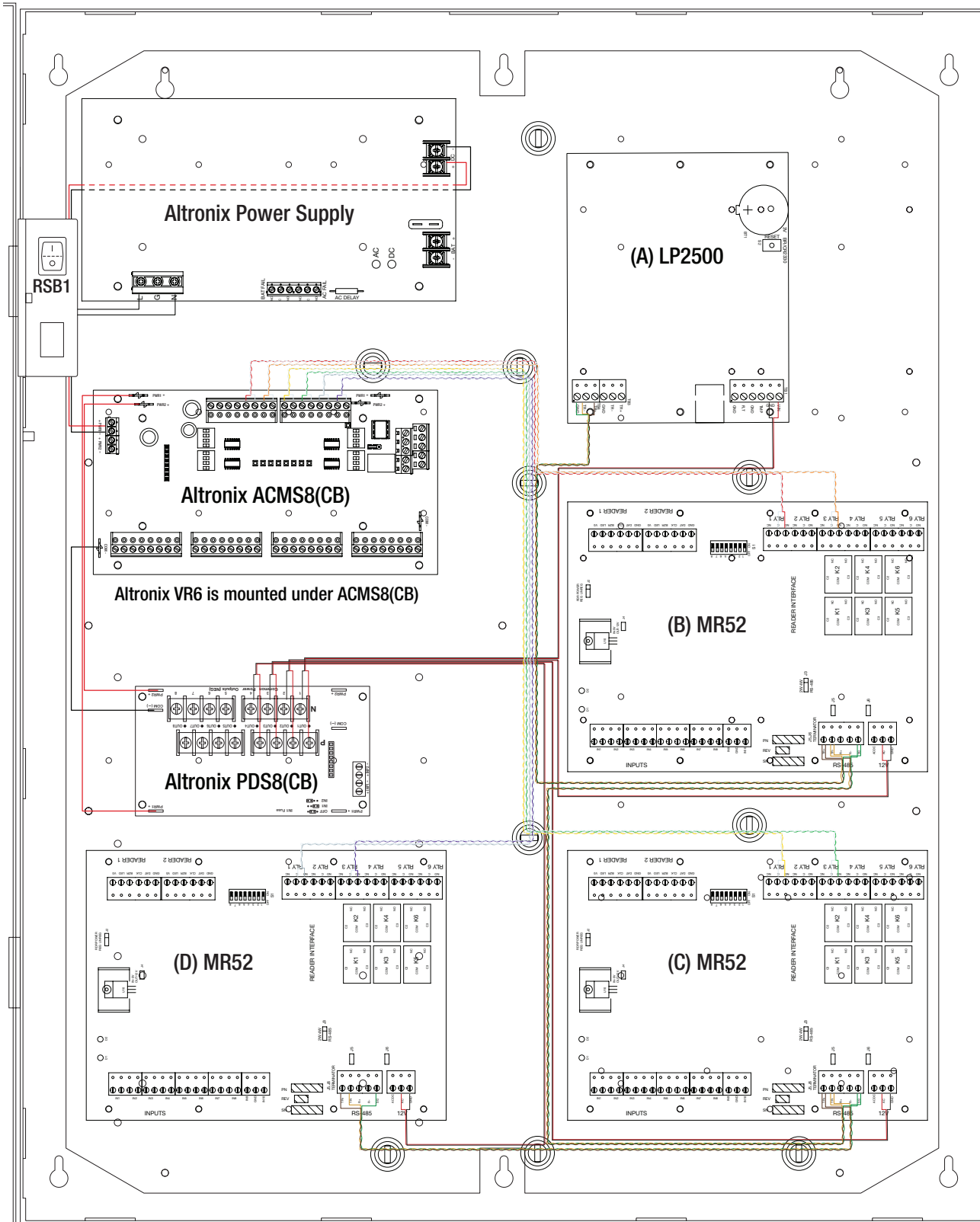
Operating 0°C to 49°C (32°F to 120°F)  
Storage - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity**

85% +/- 5%

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

145 BTU/Hr



**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.



BR1

**BR1 - Sub-Assembly Mounting Bracket**

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC  
with  
batteries



Trove2BWC  
with  
wires



**TROVE2BWC - Battery/Wire Trough Enclosure**

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

