

T3M77LCK1D

16-Door Altronix/Mercury Access and Power Integration Kit - Trove3M3 with (2) AL1024ULXB2, (2) ACMS8CB, (2) PDS8CB, (2) VR6, RSB2

Altronix T3M77LCK1D is a 16-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 T3M77LCK1D accommodates one (1) Intelligent Dual Reader Controller and seven (7) 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



Specifications

Two (2) AL1024ULXB2 Power Supply/Chargers

Input

- Voltage: 115VAC, 60Hz, 4.2A max.
- Main Fuse: 5A / 250V.

Output

CE Compliant

Agency Listings

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

Battery Backup

- Capacity: 12AH /12VDC (2 within enclosure), 40 AH / 65 AH (requires separate enclosure).
- Type: Sealed lead acid or gel type.
- Failover: Upon AC loss, instantaneous.

Supervision

- AC Failure: Form "C" contacts.
- Battery: Form "C" contacts.

Indicators LED

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

Two (2) VR6 Voltage Regulators

Input

- Voltage: 24VDC from AL1024ULXB2.

Output

- Voltage: 12VDC.
- Current: 6A continuous.
- Other: Surge suppression.

Indicators LED

- Input: 24VDC is present.
- Output: Powered.

Two (2) ACMS8CB Dual Input Access Power Controllers

Input

- Voltage: 24VDC from AL1024ULXB2.
- Input PTC: 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.

Accessories

Name	Description
MM12	Mounting Magnets, Twelve (12) Quantity per Pack
MM24	Mounting Magnets, Twenty Four (24) Quantity per Pack
MM4	Mounting Magnets, Four (4) Quantity per Pack
MM8	Mounting Magnets, Eight (8) Quantity per Pack
WM100	Magnetic Cable Tie Mounts
WM25	Magnetic Cable Tie Mounts
WM5	Magnetic Cable Tie Mounts

Dimensions & Weight

Enclosure:

Wall mount enclosure for indoor use.

Accommodates up to four (4) 12VDC/12AH Batteries.

Dimensions **30.12"W x 36.12"H x 7.06"D** (768.1 mm W x 917.5 mm H x 179.3 mm D).

3/4" and 1" combination knockouts.

Weights (approximate):

Product Weight: **85.6 Lbs.** (38.83 kg).

Shipping Weight: **98.8 Lbs.** (44.82 kg).

Outputs Ratings

- PTCs: 2.5A.

Indicators (LED)

- Red LEDs: Outputs are triggered (relays energized).
- Green LED: FACP disconnect is triggered.

Two (2) PDS8CB Dual Input Power Distribution Modules**Input**

- Voltage: 12VDC from VR6 and 24VDC from AL1024ULXB2.
- Input PTC: 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.

Outputs Ratings

- PTCs: 2.5A.

Indicators (LED)

- DC Output: Eight (8) individual output LEDs.
- Green: 12VDC
- Red: 24VDC.

Environmental**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

- Relative Humidity 85% +/- 5%.

BTU/Hr (approx.):

- 289 BTU/Hr.