

T3M77LXK1D

Access and Power Integration Solution for Mercury

TROVE
PLUS

Altronix T3M77LXK1D 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 T3M77LXK1D accommodates up to one (1) Intelligent Dual Reader Controller and (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, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt.



T3M77LXK1D - includes
(2) eFlow104NB, (2) ACMS8CB, VR6, (2) PDS8CB,
wire harnesses and finger duct

Mercury boards are not included

Key Features

- Accommodates the following Mercury controllers:
1 - LP1502 / LP4502 and 7 - MR52
- Convenient knockout configuration:
 - One (1) single knockout - 2" Conduit
 - Two (2) double knockout - 1.25" Conduit and 1.5" Conduit
 - Thirteen (13) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
 - Removable backplane
 - 3" high finger duct for wire management
 - Custom Wire Harnesses for power distribution and controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- AC input and DC output LED indicators
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- CE European Conformity
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 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.

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Specifications

Two (2) Power Supplies (AL1024ULXB2):

Input

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

Outputs

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

Back-up Battery

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) Voltage Regulator (VR6):

Input

Voltage	24VDC from AL1024ULXB2
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Two (2) Access Power Controllers (ACMS8CB):

Input

Voltage	24VDC from AL1024ULXB2
Input PTC	9A

Outputs

Voltage	24VDC
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Two (2) Access Power Controllers (ACMS8CB) (cont'd):

- 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

Output PTCs	2.5A
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Indicators (LED)

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

Two (2) Dual Input Power Distribution Module (PDS8CB):

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
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Indicators (LED)

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

T3M77LXK1D 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)	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
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Weight (approx.)

Product	85.6 lb. (38.83 kg)
Shipping	98.8 lb. (44.82 kg)

Temperature

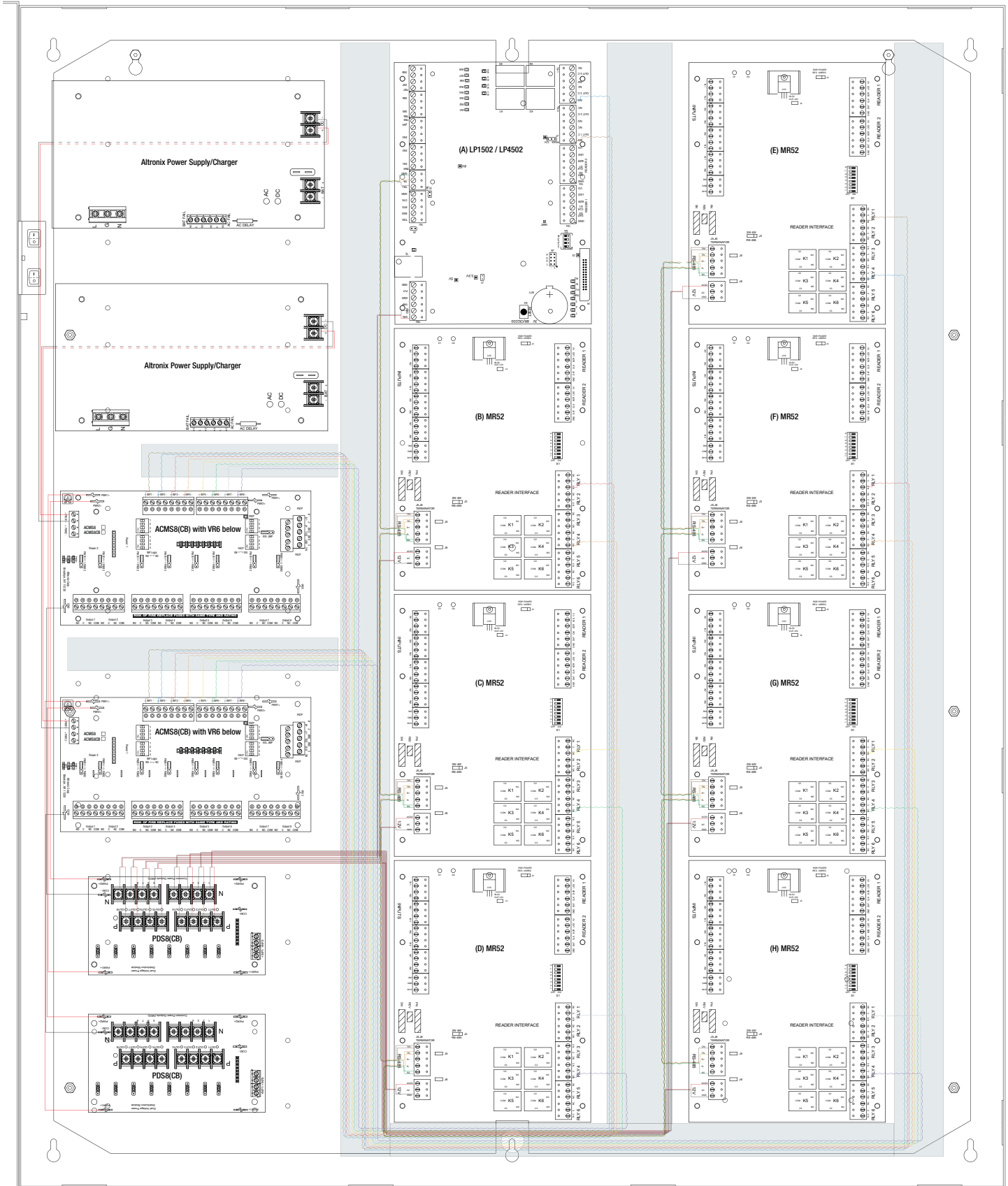
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

Relative Humidity	85% +/-5%
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BTU/Hr. (approx.):	289 BTU/Hr
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