

T3MUC75LXK3 (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T3MUC75LXK3 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 T3MUC75LXK3 accommodates up to eight (8) 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.



T3MUC75LXK3 - includes AL1024ULXB2, AL1012ULXB, (2) ACM8, (2) PD8UL, PD16W, LPD, wire harnesses and finger duct

Mercury boards are not included

Key Features

- Accommodates the following Mercury controllers:
 - 8 - 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
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty*

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

Specifications

Power Supply/Charger 1 (AL1012ULXB):

Input

Voltage	115VAC, 60Hz, 2.6A
Input Fuse	5A/250V

Output

Voltage	12VDC
Current	10A @ 12VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

Power Supply/Charger 2 (AL1024ULXB2):

Input

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

Output

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

Both Power Supplies:

Battery Charging

Capacity	12VDC/12AH (4 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

Two (2) Access Power Controllers (ACM8):

Input

Voltage	24VDC from AL1024ULXB2
Input Fuse	10A/250V

Outputs

Voltage	24VDC
Eight (8) 24VDC 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	3.5A/250V

Indicators (LED)

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

Two (2) Power Distribution Modules (PD8UL):

Input

Voltage	12VDC from AL1012ULXB
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Outputs

Voltage	12VDC
Fuses	3.5A/250V

Indicators (LED)

Green	LED DC Output
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Power Distribution Module (PD16W):

Input

Voltage	12VDC from AL1012ULXB
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Outputs

Voltage	12VDC
Fuses	3.5A/250V

Indicators (LED)

Green	LED DC Output
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Low Power Disconnect Module (LPD):

Input

Voltage	12VDC or 24VDC max., 8A.
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Operating Voltages

Low Voltage Cutoff

12VDC:	10.5V (+/- 0.3V)
24VDC:	20V (+/- 0.3V)

Restore Voltage Threshold

12VDC:	11.5V (+/- 0.3V)
24VDC:	23V (+/- 0.3V)

Relay Contact Rating

	8A max.
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T3MUC75LXK3 Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental:

Dimensions (H x W x D)

Enclosure:	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
Shipping:	40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)

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

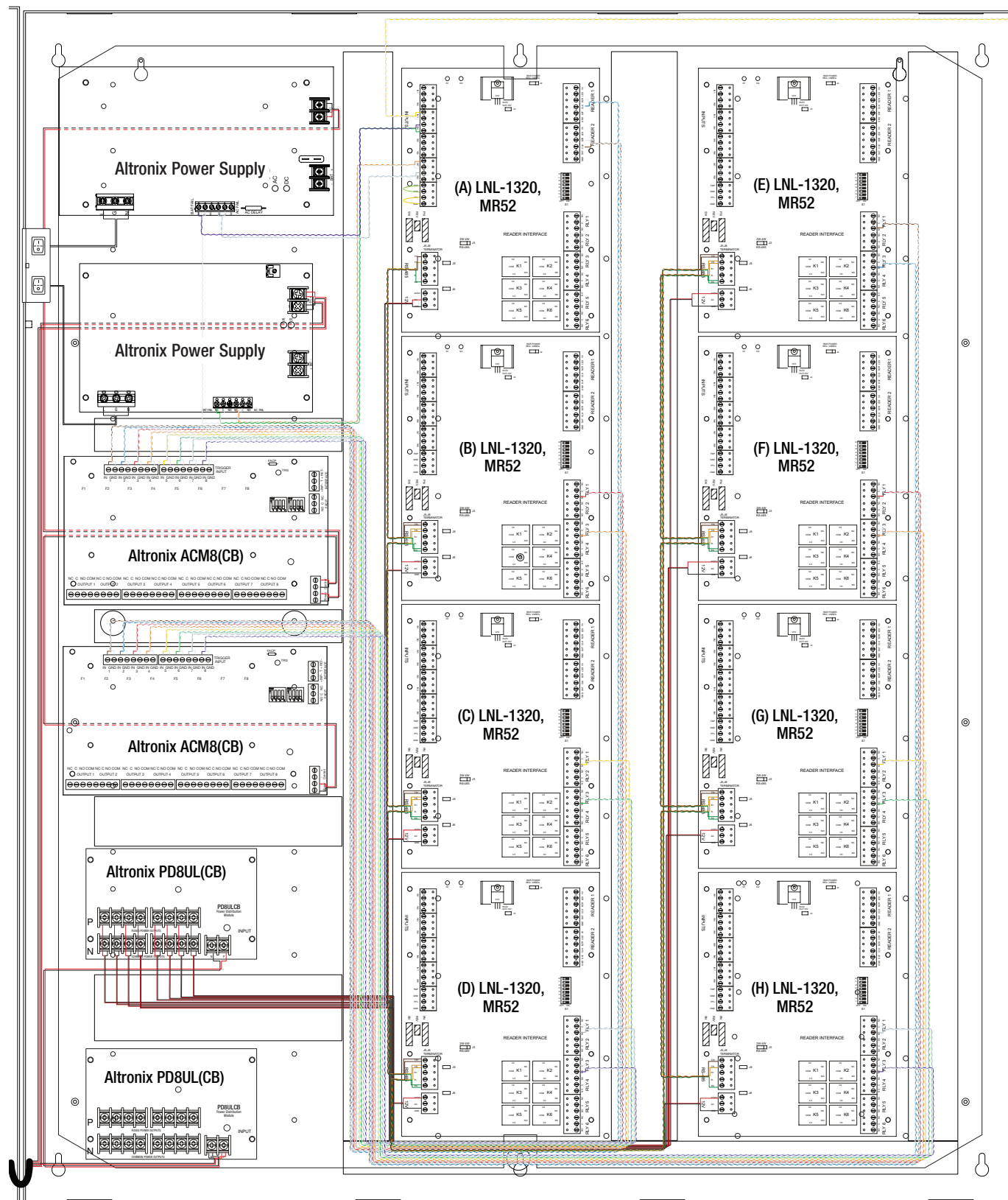
	85% +/- 5%
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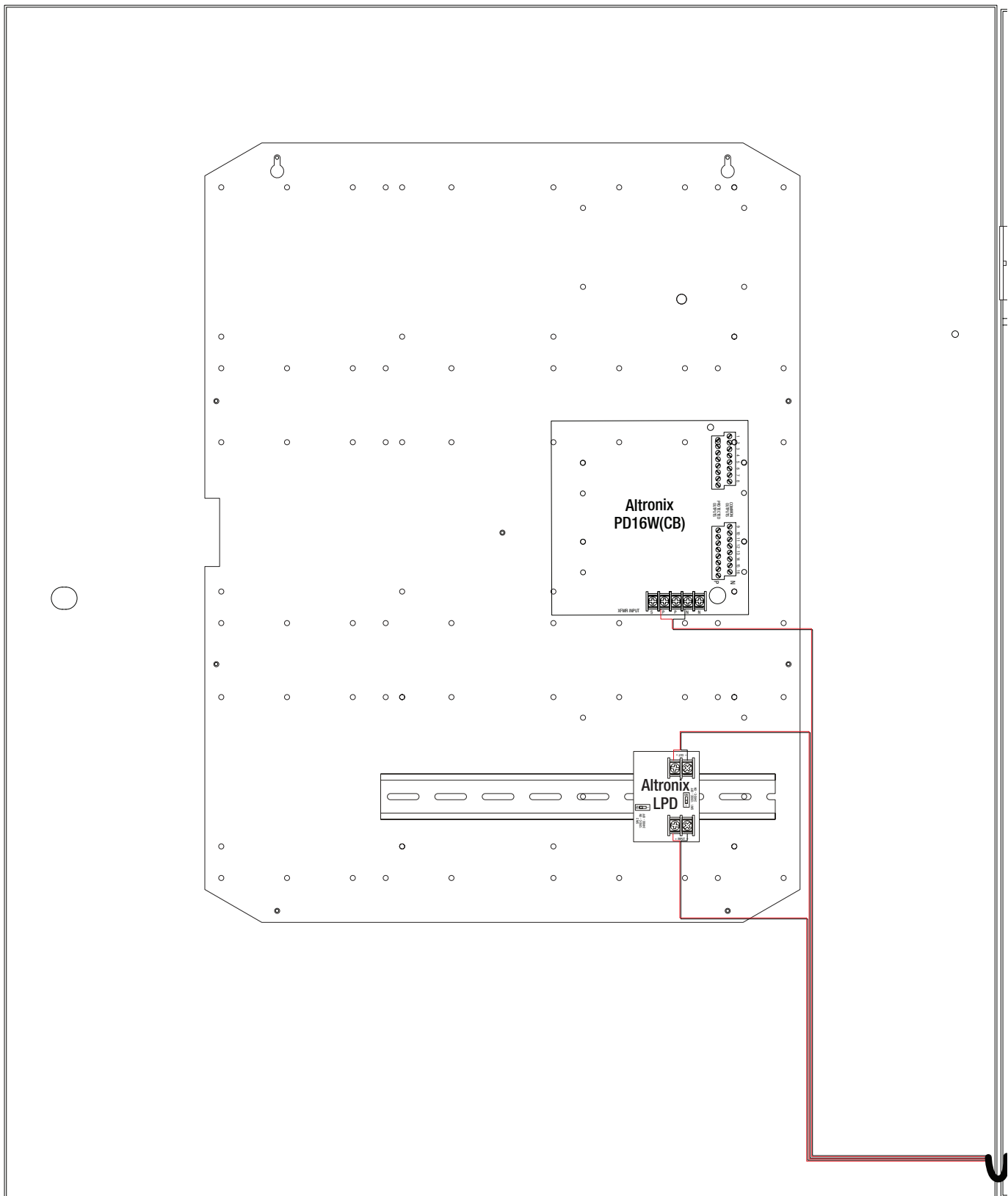
BTU/Hr. (approx.):

	289 BTU/Hr.
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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

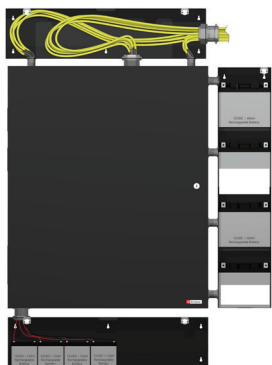
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.



Typical battery/wiring setup with Trove3 Enclosure (not included)

TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets. Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

