Altronix®

T2M7LXK2 (Pre-wired Kit)
Access and Power Integration Solution for Mercury

TR✺VE™ PLUS

Altronix T2M7LXK2 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 T2M7LXK2 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, Identicard, 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 SECURITY™

T2M7LXK2 - includes
AL1024ULXB2, ACMS8, VR6, PDS8,
wire harnesses and finger duct

Mercury boards 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
  - 2" high finger duct for 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

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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

T2M7LXK2 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:
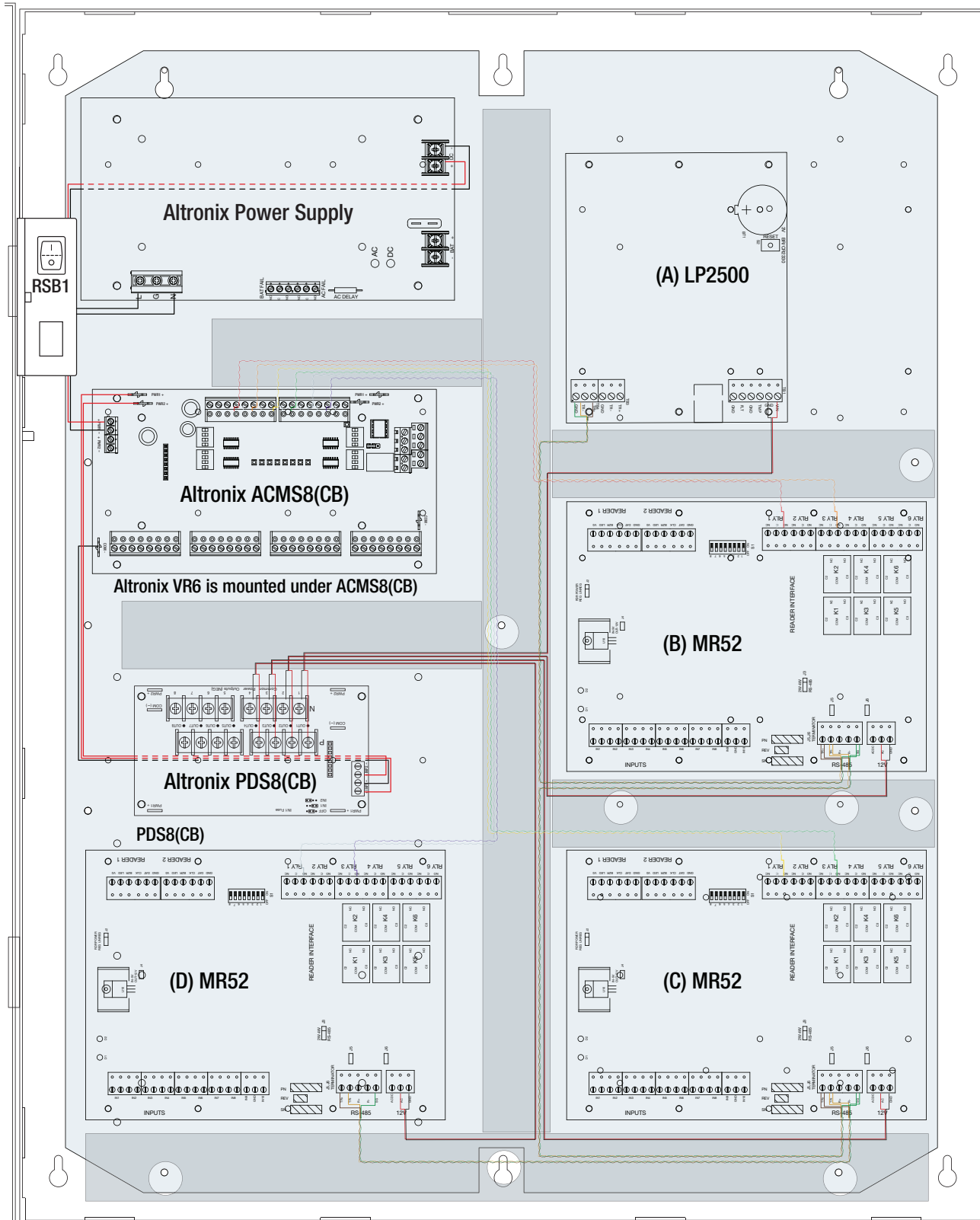 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

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

Temperature
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	− 20ºC to 70ºC (− 4ºF to 158ºF)
Relative Humidity	85% +/− 5%
BTU/Hr. (approx.):	145 BTU/Hr

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Altronix Power Supply

RSB1

(A) LP2500

Altronix ACMS8(CB)

Altronix VR6 is mounted under ACMS8(CB)

(B) MR52

Altronix PDS8(CB)

PDS8(CB)

(D) MR52

(C) MR52

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.

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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)