

T2MK34 (Kit)

Access & Power Integration Solution for Mercury



Altronix T2MK34 kit consists of Trove2 enclosure and TM2 Altronix & Mercury backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator, eight (8) fuse protected output dual voltage power distribution module and four (4) fuse protected output access control module. This kit also accommodates various combinations of Mercury* boards for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

***Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, Lene/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt



T2MK34



Mercury boards are not included

Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates the following Mercury controllers:
Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR16OUT, MR50, MR52, MR62e, MUX8
- Convenient knockout configuration:
 - One (1) single knockout 2.415" (2" Conduit)
 - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 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
- Lifetime Warranty*

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

Specifications

Power Supply/Charger (AL600ULXB):

Input

Voltage 115VAC, 60Hz, 3.5A
Input Fuse 5A/250V

Output

Voltage 12VDC or 24VDC selectable
Current 6A @ 12VDC or 24VDC continuous max.
Other Overvoltage protection. Filtered and regulated

Battery Charging

Capacity 12VDC/12AH (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 Power Distribution Module (PDS8):

Input

Voltage 24VDC from AL600ULXB 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

Voltage Regulator (VR6):

Input

Voltage 24VDC from AL600ULXB

Output

Voltage 12VDC
Current 6A continuous
Other Surge suppression

Indicators (LED)

Input 24VDC is present
Output Powered

Access Power Controller (ACM4):

Input

Voltage 24VDC from AL600ULXB
Input Fuse 10A/32V

Outputs

Voltage 24VDC
Four (4) 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

T2MK34 Kit:

Agency Listings

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

CE European Conformity

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 39.2 lb. (17.78 kg)
Shipping 43 lb. (19.5 kg)

Temperature

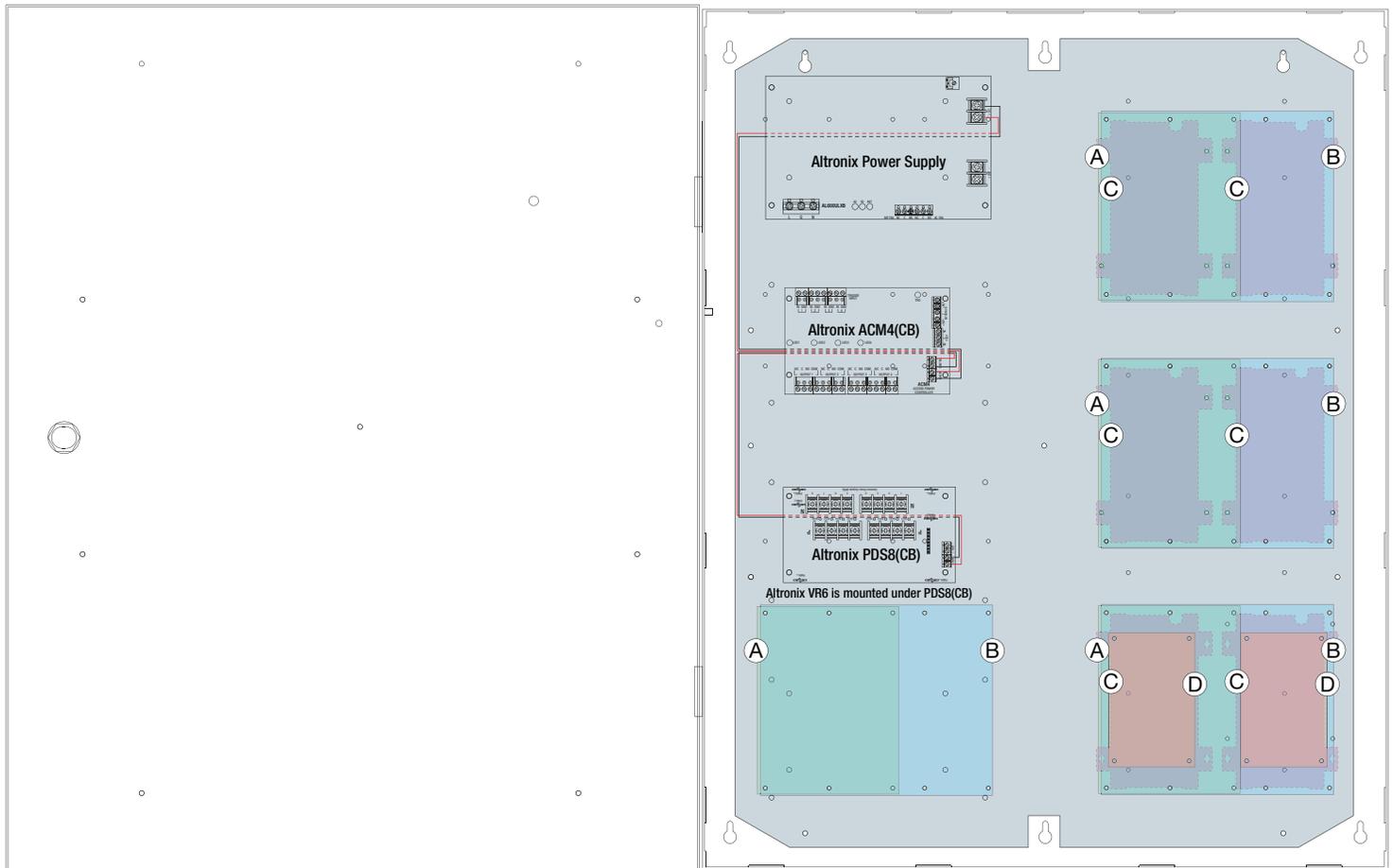
Operating 0°C to 49°C (32°F to 120°F)
Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.): 87 BTU/Hr.

Access Controller Position Chart for the Following Models:

| Altronix/Mercury | Pem Mounting |
|---------------------------------------|--------------|
| LP2500, MUX8 | (A) |
| LP1502, LP4502, MR52, MR16IN, MR16OUT | (B) |
| LP1501, MR62e | (C) |
| MR50 | (D) |



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 - 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.



Trove2BWC
with
wires

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)

