

T2MK3F4V (Kit)

Access & Power Integration Solution for Mercury



Altronix T2MK3F4V 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, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt



T2MK3F4V

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)
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 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 (eFlow6NBV):

Input	
Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.5A
Input Fuse	5A/250V
Output	
Voltage	24VDC
Current	6A continuous
Auxiliary	1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

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
Low DC Power Shutdown	
Shuts down DC output terminals if battery voltage drops below 70-75% for 24V units (depending on the power supply)	
Prevents deep battery discharge	

Indicators (LED)

Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

Dual Input Power Distribution Module (PDS8):

Input	
Voltage	24VDC from eFlow6NBV and 12VDC from VR6
Input Fuses	10A/250V

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 eFlow6NBV
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 eFlow6NBV
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.

T2MK3F4V Kit:

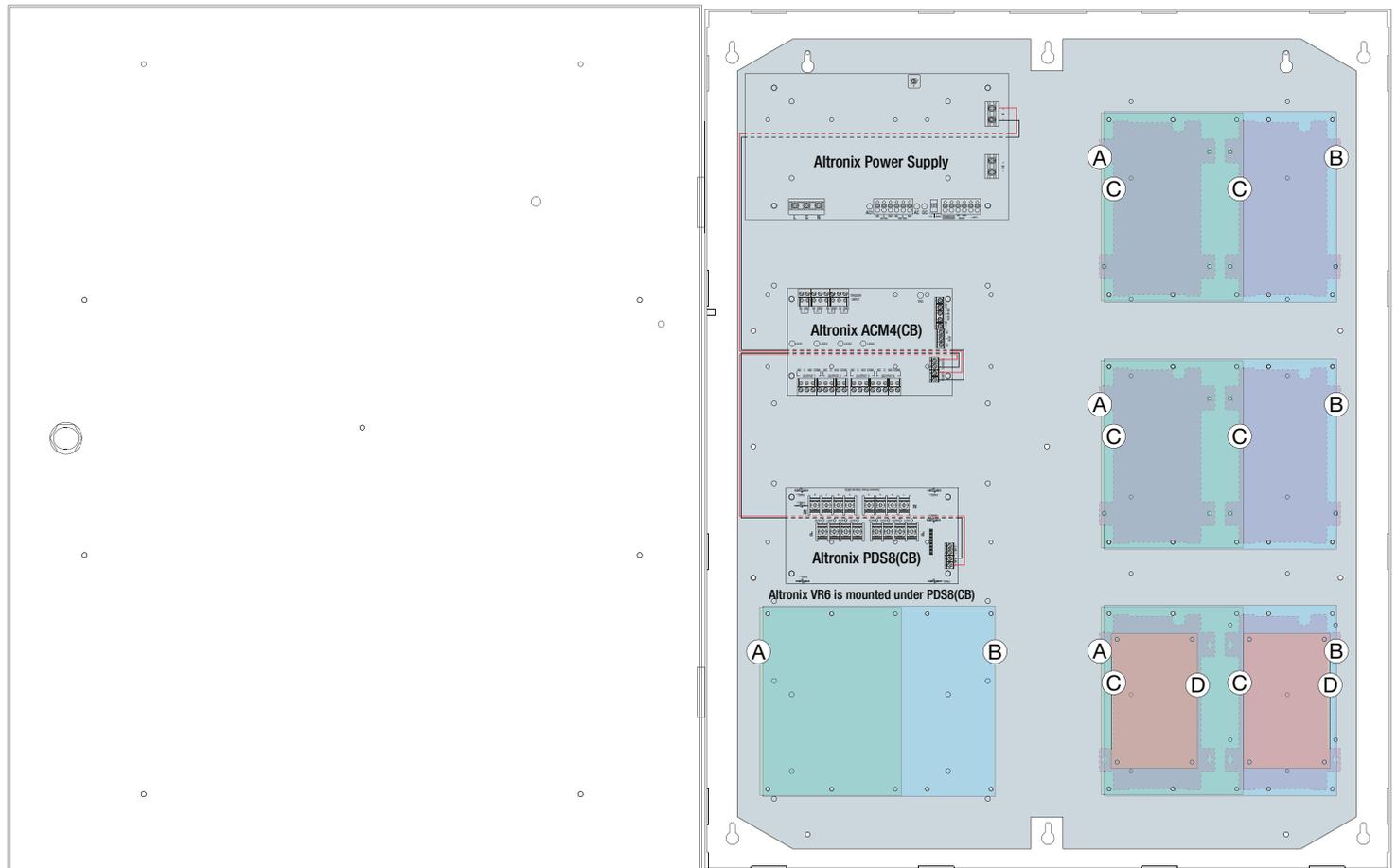
Agency Listings	
CE	European Conformity

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)



LINQ2

LINQ2 - Network Supervision

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email



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.

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)

