

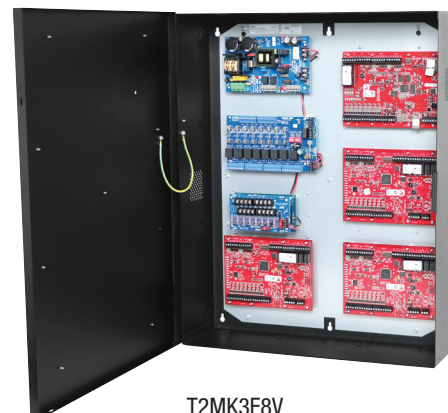
T2MK3F8V (Kit)

Access & Power Integration Solution for Mercury

Altronix T2MK3F8V 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 eight (8) fuse protected output access control module. This kit also accommodates various combinations of Mercury* boards for up to eight (8) 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



T2MK3F8V

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/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 eFlow6NBV

Output

Voltage 12VDC

Current 6A continuous

Other Surge suppression

Indicators (LED)

Input 24VDC is present

Output Powered

Access Power Controller (ACM8):**Input**

Voltage 24VDC from eFlow6NBV

Input Fuse 10A/250V

Outputs

Voltage 24VDC

Eight (8) 24VDC independently controlled fused outputs:

- Fail-Safe and/or Fail-Secure power outputs
Form "C" Relays rated 28VAC or VDC @ 2.5A
- Auxiliary power outputs (unswitched)
- 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

T2MK3F8V 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 39.6 lb. (18 kg)

Shipping 43.35 lb. (19.66 kg)

Temperature

Operating 0°C to 49°C (32°F to 120°F)

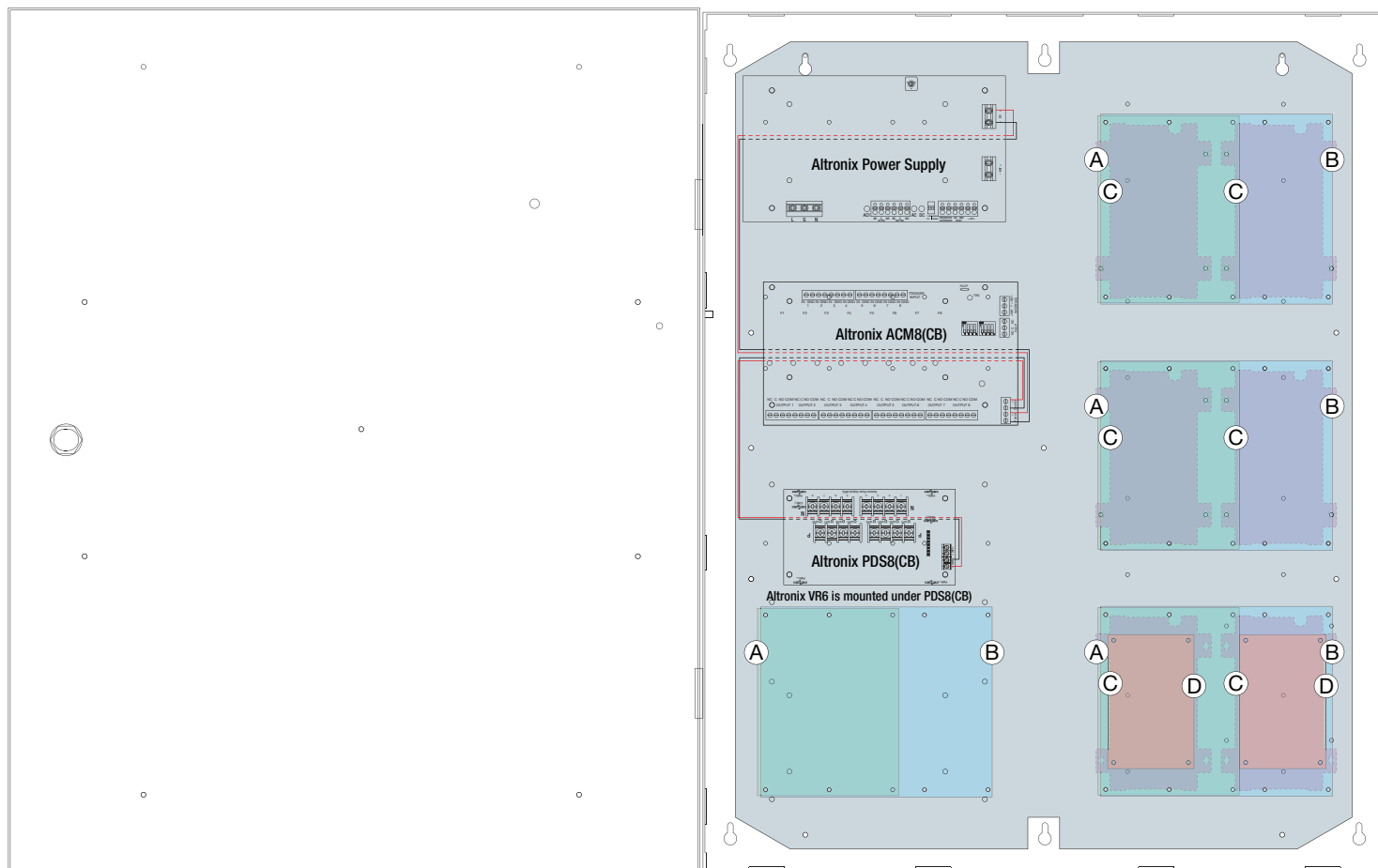
Storage - 20°C to 70°C (- 4°F to 158°F)

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
batteriesTrove2BWC
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)

