

T3MK75F16DV (Kit)

Access & Power Integration Solution for Mercury

TROVE™

Altronix T3MK75F16DV kit consists of Trove3 enclosure and TM3 Altronix & Mercury backplane with 24VDC @ 10A and 12VDC @ 10A power supply/chargers, eight (8) PTC protected output power distribution module and two eight (8) PTC protected output access control modules. This kit also accommodates various combinations of Mercury* boards for up to sixteen (16) 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

**T3MK75F16DV***Mercury boards are not included***Key Features**

- 24VDC and 12VDC power supply/chargers
- 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)
 - Two (2) double knockouts
1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
 - Thirteen (13) 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 1 (eFlow104NBV):

Input

Voltage 220VAC (working range 198VAC - 256VAC),
50/60Hz, 2.7A

Input Fuse 6.3A/250V

Output

Voltage 24VDC @ 10A.

Auxiliary 1A (unswitched)

Protection Overvoltage protection. Filtered and regulated

Power Supply/Charger 2 (eFlow102NBV):

Input

Voltage 220VAC (working range 198VAC - 256VAC),
50/60Hz, 2.1A

Input Fuse 5A/250V

Output

Voltage 12VDC @ 10A

Auxiliary 1A (unswitched).

Protection 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

Fire Alarm Disconnect

Supervised Latching or non-latching

EOL 10K Resistor

Supervision

AC Failure Form "C" contacts

Battery Form "C" contacts

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below
71-73% for 12V units and 70-75% for 24V units (depending on the
power supply). Prevents deep battery discharge

Indicators (LED)

AC Input 220VAC is present

DC Output Powered

Battery Discharged or not connected

Power Distribution Module (PD8ULCB):

Input

Voltage 12VDC from eFlow102NBV

Outputs

Voltage 12VDC

PTCs 2.5A

Indicators (LED)

Green LED DC Output

Two (2) Access Power Controllers (ACM8CB):

Input

Voltage 24VDC from eFlow104NBV

Input Fuse 10A/250V

Outputs

Voltage 24VDC

Eight (8) 24VDC independently controlled PTC 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 PTCs 2.5A

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

T3MK75F16DV Kit:

Agency Listings

CE European Conformity

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 84.2 lb. (38.2 kg)

Shipping 97.5 lb. (44.22 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

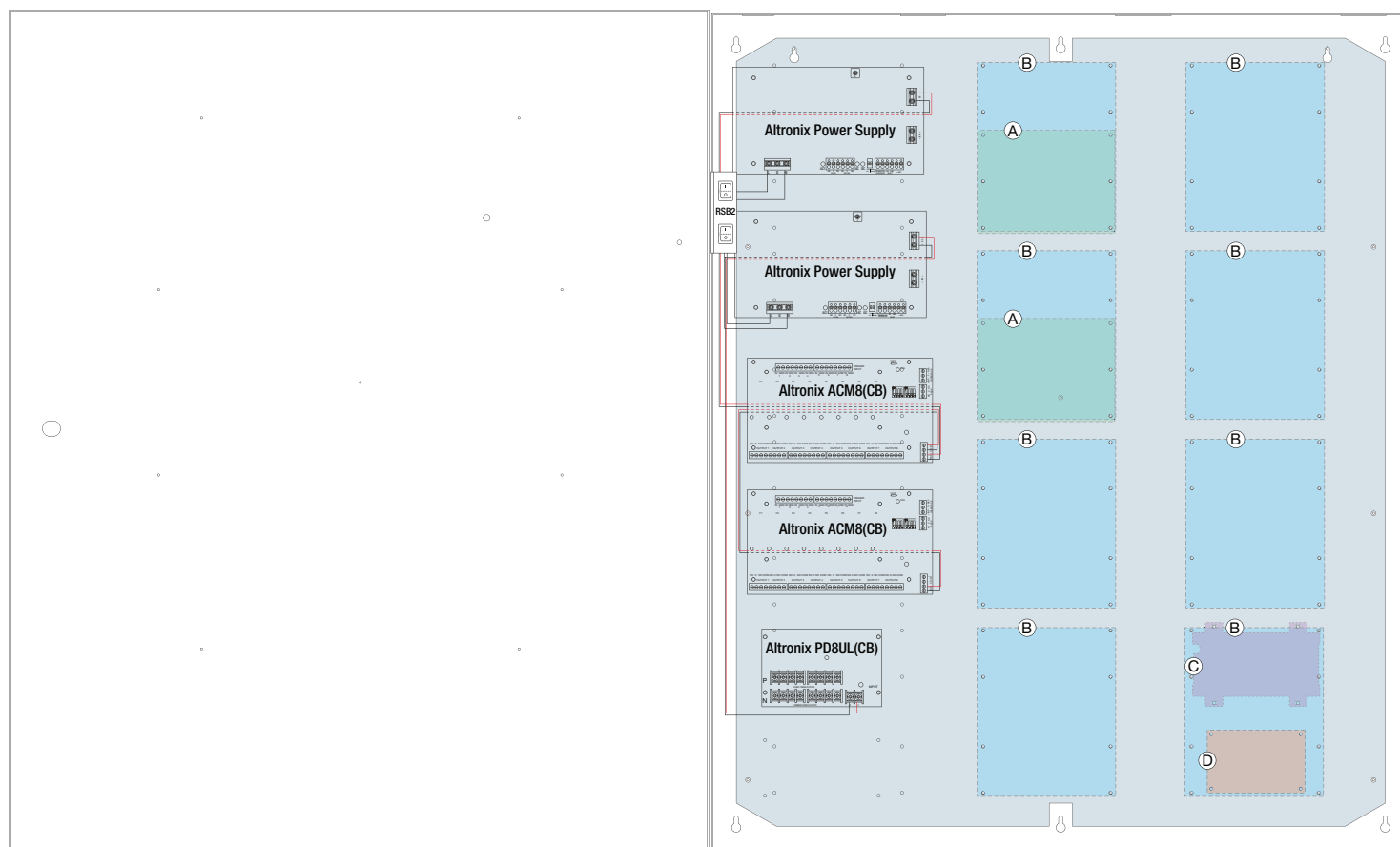
85% +/- 5%

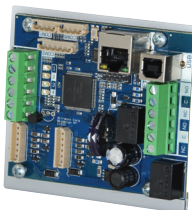
BTU/Hr (approx.):

217 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

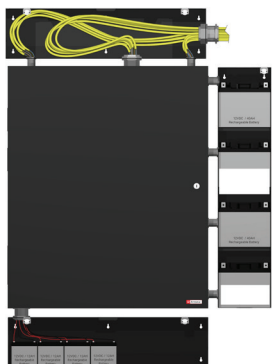
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.

**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.

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

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)

