

#### Description

Altronix T3MK75F16D kit consists of Trove3 enclosure and TM3 Mercury/Altronix 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/Lenel\* 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, Identicon, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T3MK75F16D

#### Key Features

- Accommodates the following Mercury controllers: EP1502, MR52, MR16IN, MR16OUT, EP2500, MUX8.
- Convenient knockout configuration:
  - Single 2.415" diameter knockout located top of enclosure.
  - Two (2) double knockouts (1.948" and 1.5").
  - Thirteen (13) double knockouts (1.115" and 1.362")
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Filtered and electronically regulated outputs.
- Thermal and short circuit protection with auto reset.
- AC input and DC output LED indicators.
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- CE European Conformity.
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Lifetime Warranty\*/Made in the U.S.A.

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

#### 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.

## Specifications

**Power Supply 1 (eFlow104NB):****Input**

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V.

**Output**

Voltage	24VDC @ 10A.
Auxiliary	1A (unswitched).
Protection	Overvoltage protection. Filtered and regulated.

**Power Supply 2 (eFlow102NB):****Input**

Voltage	120VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V.

**Output**

Voltage	12VDC @ 10A.
Auxiliary	1A (unswitched).
Protection	Overvoltage protection. Filtered and regulated.

**Both Power Supplies:****Battery Backup**

Type	Sealed lead acid or gel type.
Fuse Rating	15A/32VDC.
Failover	Upon AC loss, instantaneous.

**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	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

**Two (2) Access Power Controllers (ACM8CB):****Input**

Voltage	24VDC from eFlow104NB.
Input Fuse	10A/250V.

**Outputs**

Class 2 power-limited auto-resettable outputs.

**Voltage** 24VDC.

Eight (8) 24VDC independently controlled PTC outputs:

- Fail-Safe and/or Fail-Secure power outputs.  
Form "C" Relays rated 28VAC or VDC @ 2.5A.
- Any combination of the above.

**Output PTCs** 2.5A.

**Indicators (LED)**

Red LEDs	Outputs are triggered (relays energized).
Green LED	FACP disconnect is triggered.

**Power Distribution Module (PD8ULCB):****Input**

Voltage	12VDC from eFlow102NB.
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**Outputs**

Class 2 power-limited auto-resettable outputs.

**Voltage** 12VDC.

**PTCs** 2.5A.

**Indicators (LED)**

Green LED	DC Output.
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**T3MK75F16D 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)**

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).

**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.