

# T1MKX3F4 (Kit)

## Access & Power Integration Solution for Mercury



Altronix T1MKX3F4 kit consists of Trove1XX enclosure and TM1 Altronix & Mercury backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, sixteen (16) fuse protected output dual input 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. The enclosure has no knockouts or venting holes for use in applications such as federal and military installations. 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



T1MKX3F4

*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
- No knockouts or venting holes
- 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 two (2) 12VDC/7AH batteries
- CE European Conformity
- Lifetime Warranty\*

*\*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/Charger (eFlow6NB):**

**Input**

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

**Output**

Voltage 24VDC  
 Current 6A continuous  
 Auxiliary 1A (unswitched)  
 Other Overvoltage protection. Filtered and regulated

**Battery Charging**

Capacity 12VDC/7AH (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

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

**Dual Input Power Distribution Module (PDS16)**

**Input**

Voltage 24VDC from eFlow6NB  
 Input Fuses 15A/32V

**Outputs**

Voltage 12VDC and/or 24VDC  
 Any of the sixteen (16) 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 Sixteen (16) individual output LEDs  
 Green: 12VDC  
 Red: 24VDC

**Access Power Controller (ACM4):**

**Input**

Voltage 24VDC from eFlow6NB  
 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

**T1MKX3F4 Kit:**

**Agency Listings**

CE European Conformity

**Physical and Environmental**

**Dimensions (H x W x D)**

Enclosure:  
 18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)  
 Shipping:  
 21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

**Weight (approx.)**

Product 16.23 lb. (7.36 kg)  
 Shipping 20.23 lb. (9.07 kg)

**Temperature**

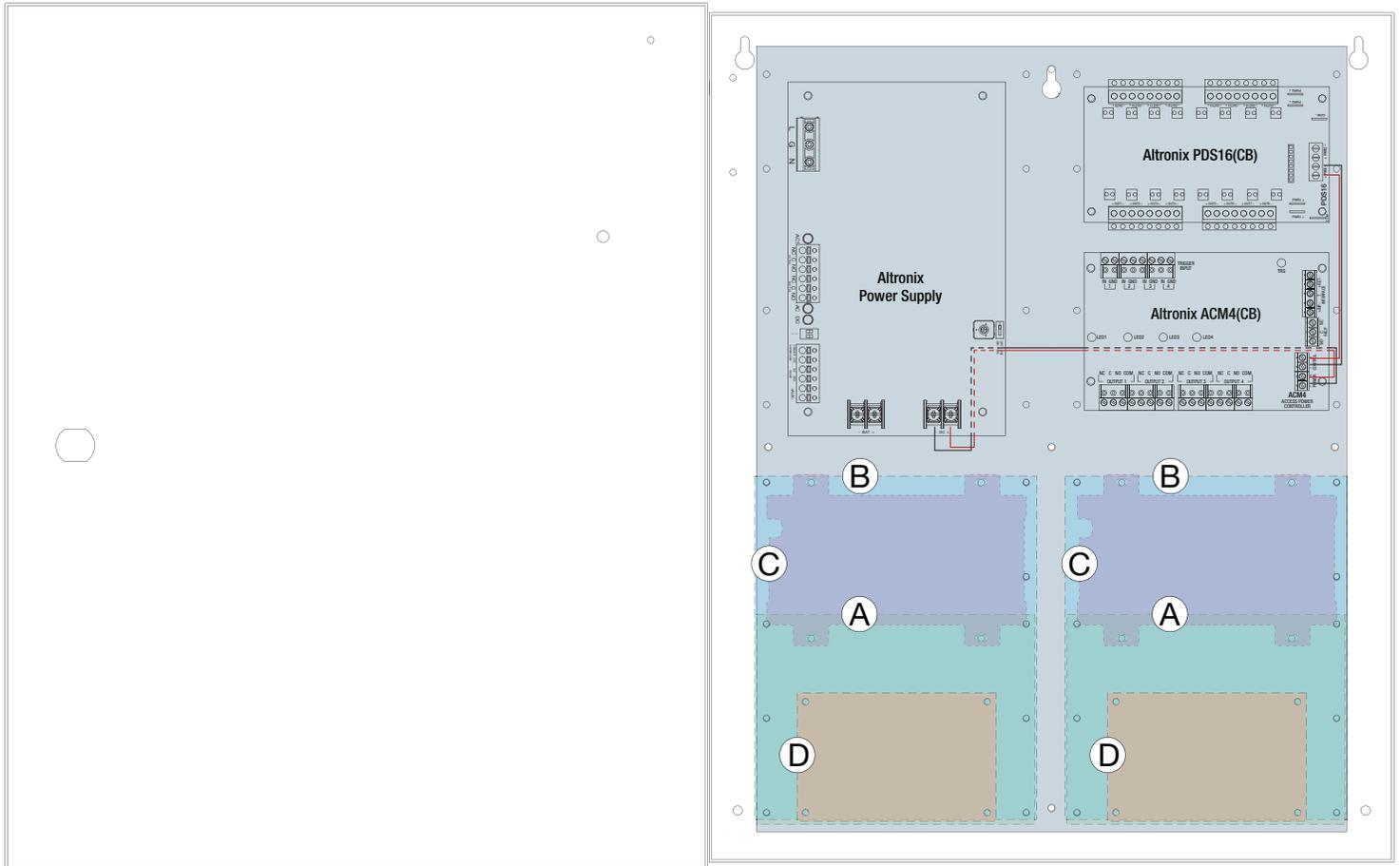
Operating 0°C to 49°C (32°F to 120°F)  
 Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.): 90 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)



**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

