TROVE™

Altronix®

T3MK75F16

Access & Power Integration Solution

T3MK75F16

Description

Altronix T3MK75F16 kit consists of Trove3 enclosure and TM3 Altronix & Mercury/LenelS2 backplane with 24VDC @ 10A and 12VDC @ 10A power supply/chargers, eight (8) fuse protected output power distribution module and two eight (8) fuse protected output access control modules. This kit also accommodates various combinations of Mercury/LenelS2* 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, Identicard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt

Key Features

- Accommodates the following Mercury/LenelS2 controllers:
  Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR16OUT, MR50, MR52, MR62e, MUX8.
  LenelS2: LNL-(X)2210, LNL-(X)2220, LNL-(X)3300, LNL-(X)4420, LNL-1100, LNL-1200, LNL-1320, LNL-1300, LNL-1324e, LNL-8000
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit).
  - One (1) double knockout 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit).
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- 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.
- Agency Listings:
  - UL: UL294 - Access Control System.
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems.
  - 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.

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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 (ACM8):

Input

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

Outputs

Voltage	24VDC.

Eight (8) 24VDC 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	3.5A/250V.

Indicators (LED)

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

Power Distribution Module (PD8UL):

Input

Voltage	12VDC from eFlow102NB.

Outputs

Voltage	12VDC.
Fuses	3.5A/250V.

Indicators (LED)

Green LED	DC Output.

T3MK75F16 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	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).

Relative Humidity	85% +/-5%.
BTU/Hr. (approx.):	217 BTU/Hr.

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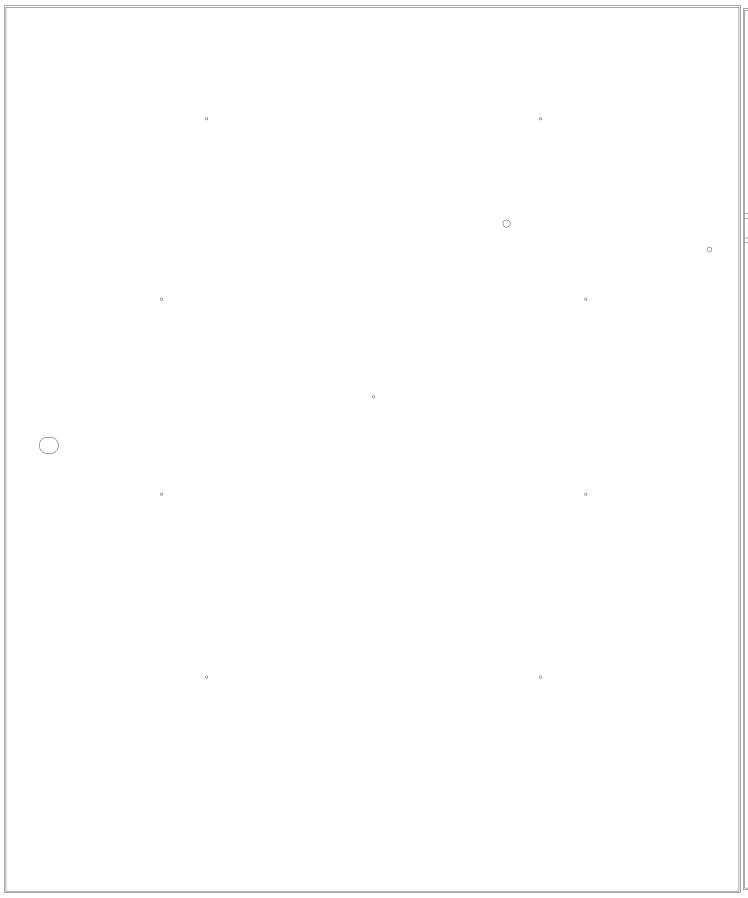
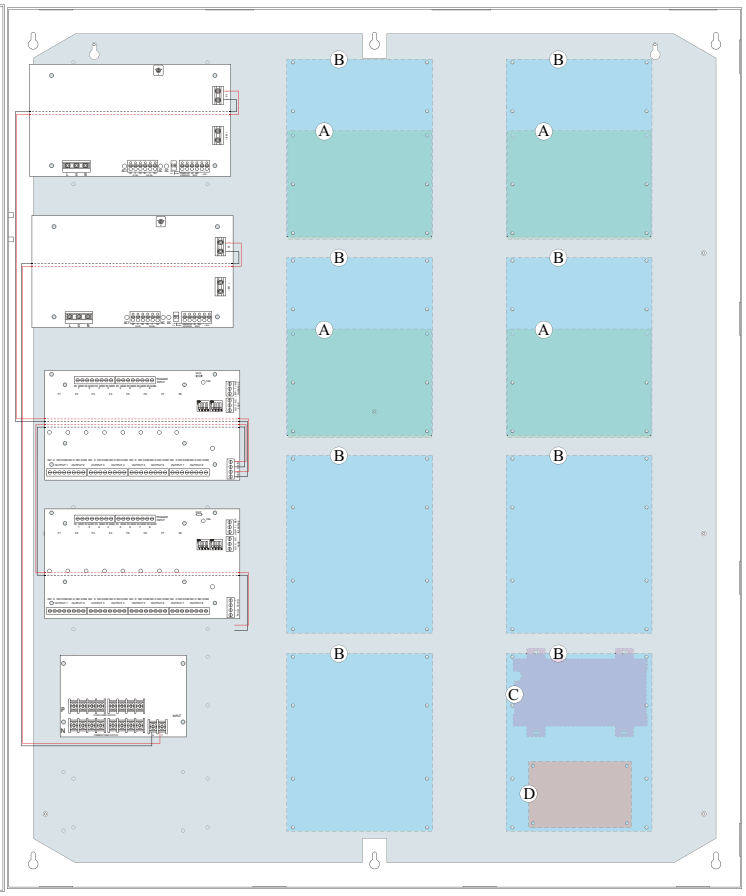
Access Controller Position Chart for the Following Models:

Mercury	LenelS2	Pem Mounting
LP2500, MUX8	LNL-(X)3300, LNL-8000	Ⓐ
LP1502, LP4502, MR52, MR16IN, MR16OUT	LNL-(X)2220, LNL-(X)4420, LNL-1100, LNL-1200, LNL-1320	Ⓑ
LP1501, MR62e	LNL-(X)2210, LNL-1324e	Ⓒ
MR50	LNL-1300	Ⓓ





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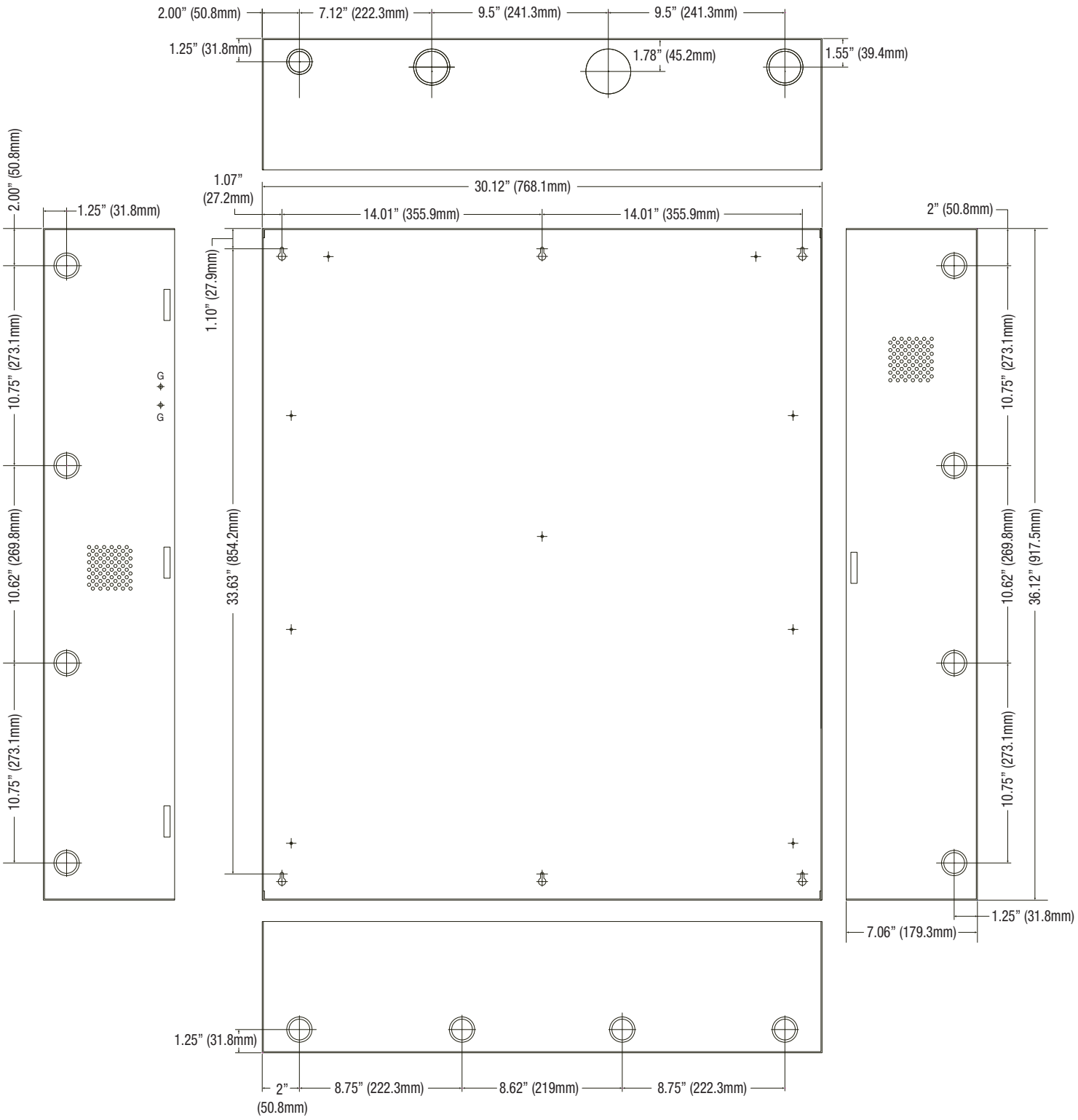

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