

Description

Altronix T2MK7F8 kit consists of Trove2 enclosure and TM2 Altronix & Mercury/LenelS2 backplane with 24VDC @ 10A 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/LenelS2* 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, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T2MK7F8

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).
 - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown.
- 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.

T2MK7F8

Access & Power Integration Solution

Specifications

Power Supply (eFlow104NB):

Input

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

Outputs

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

Battery Backup

| | |
|-------------|-------------------------------|
| Type | Sealed lead acid or gel type. |
| Fuse Rating | 10A @ 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 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. |

Dual Input Power Distribution Module (PDS8):

Input

| | |
|------------|---|
| Voltage | 12VDC from VR6 and 24VDC from eFlow104NB. |
| Input Fuse | 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.

Outputs Ratings

| | |
|-------|---------|
| Fuses | 3A/32V. |
|-------|---------|

Indicators (LED)

| | |
|-----------|-----------------------------------|
| DC Output | Eight (8) individual output LEDs. |
| Green: | 12VDC |
| Red: | 24VDC. |

Voltage Regulator (VR6):

Input

| | |
|---------|------------------------|
| Voltage | 24VDC from eFlow104NB. |
|---------|------------------------|

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 eFlow104NBV. |
| 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. |

T2MK7F8 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) | 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm). |
|------------------------|--|

Weight (approx.)

| | |
|----------|----------------------|
| Product | 40.1 lb. (18.2 kg). |
| Shipping | 43.85 lb. (19.9 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.): | 145 BTU/Hr. |

T2MK7F8

Access & Power Integration Solution

Access Controller Position Chart for the Following Models:

| Mercury | LevelS2 | Pem Mounting |
|---------------------------------------|--|--------------|
| LP2500, MUX8 | LNL-(X)3300, LNL-8000 | (A) |
| LP1502, LP4502, MR52, MR16IN, MR16OUT | LNL-(X)2220, LNL-(X)4420, LNL-1100, LNL-1200, LNL-1320 | (B) |
| LP1501, MR62e | LNL-(X)2210, LNL-1324e | (C) |
| MR50 | LNL-1300 | (D) |



