

T2MK7716

Access & Power Integration Solution



Altronix T2MK34 kit consists of Trove2 enclosure and TM2 Altronix & Mercury backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator, eight (8) fuse protected output dual voltage 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. 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



T2MK7716

Key Features

- 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)
 - 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
- Supervision (cont'd)
 - Battery Fail and Battery Presence
- Agency Listings:
 - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
 - 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*

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

Accessories (order separately)



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

Two (2) Power Supplies (AL1024ULXB2):

Input

| | |
|---------|-----------------------|
| Voltage | 115VAC 60Hz, 4.2A max |
| Fusing | 5A / 250V |

Outputs

| | |
|---------|--|
| Voltage | 24VDC |
| Current | 10A @ 24VDC continuous max |
| Other | Overvoltage protection Filtered and regulated |

Back-up Battery

| | |
|----------|---|
| Capacity | 12AH /12VDC (2 within enclosure) 40 AH / 65 AH (requires separate enclosure) |
| Type | Sealed lead acid or gel type |
| Fallover | Upon AC loss, instantaneous |

Supervision

| | |
|------------|-------------------|
| AC Failure | Form "C" contacts |
| Battery | Form "C" contacts |

Indicators (LED)

| | |
|-----------|-----------------------------|
| Input | 115VAC is present |
| DC Output | Powered |
| Battery | Discharged or not connected |

Dual Input Power Distribution Module (PDS8)

Input

| | |
|------------|--|
| Voltage | 12VDC from VR6 and 24VDC from AL1024ULXB2 |
| Input Fuse | 0A/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 AL1024ULXB2 |
|---------|------------------------|

Output

| | |
|---------|--------------------|
| Voltage | 12VDC. |
| Current | 6A continuous. |
| Other | Surge suppression. |

Indicators (LED)

| | |
|--------|-------------------|
| Input | 24VDC is present. |
| Output | Powered. |

Two (2) Access Power Controllers (ACM8):

Input

| | |
|------------|------------------------|
| Voltage | 24VDC from AL1024ULXB2 |
| 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 |

T2MK7716 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 | 49.8 lb. (22.59 kg) |
| Shipping | 53.55 lb. (24.29 kg) |

Temperature

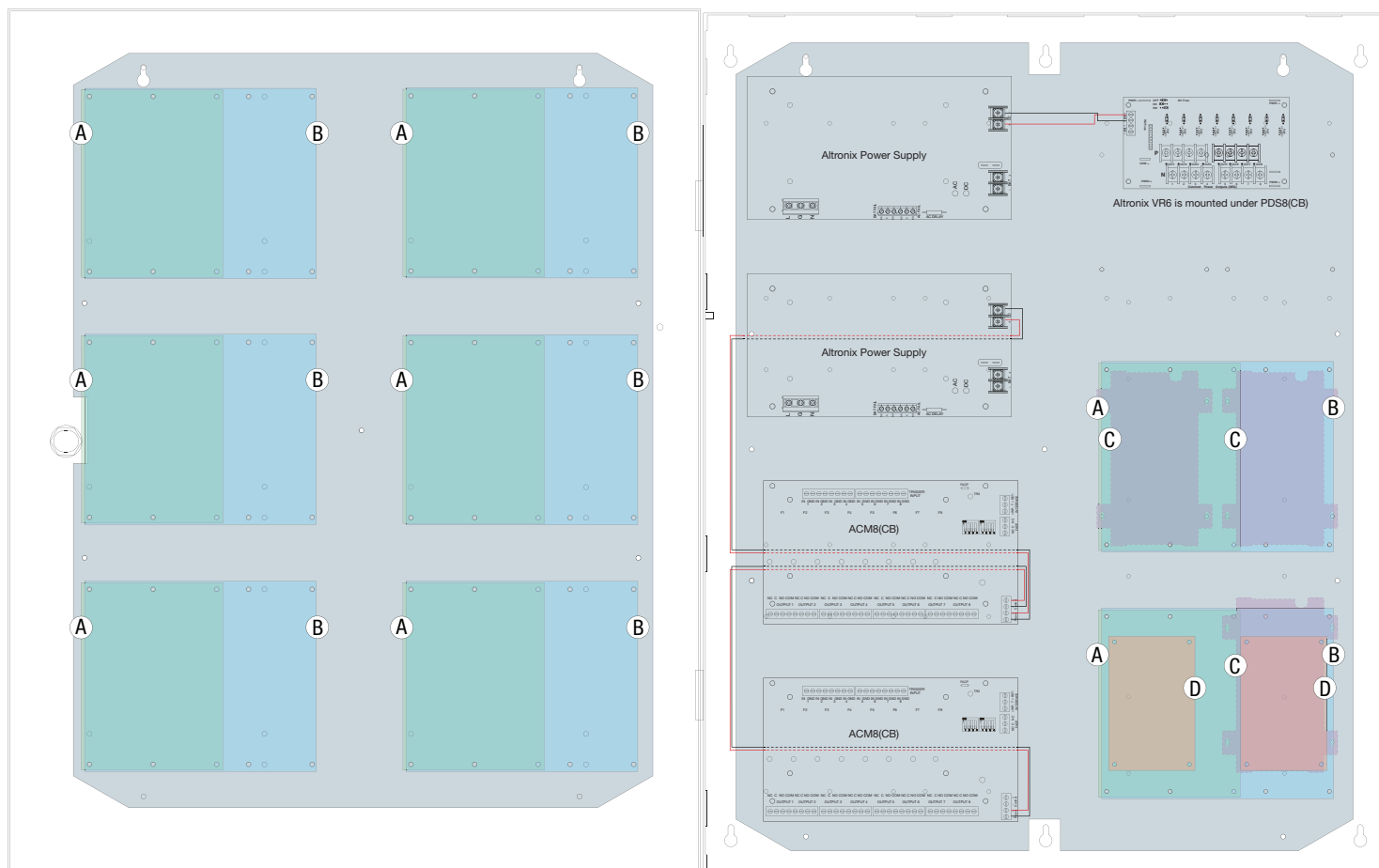
| | |
|-----------|-------------------------------|
| Operating | 0°C to 49°C (32°F to 120°F) |
| Storage | -20°C to 70°C (-4°F to 158°F) |

| | |
|-------------------|-----------|
| Relative Humidity | 85% +/-5% |
|-------------------|-----------|

| | |
|--------------------|------------|
| BTU/Hr. (approx.): | 289 BTU/Hr |
|--------------------|------------|

Access Controller Position Chart for the Following Models:

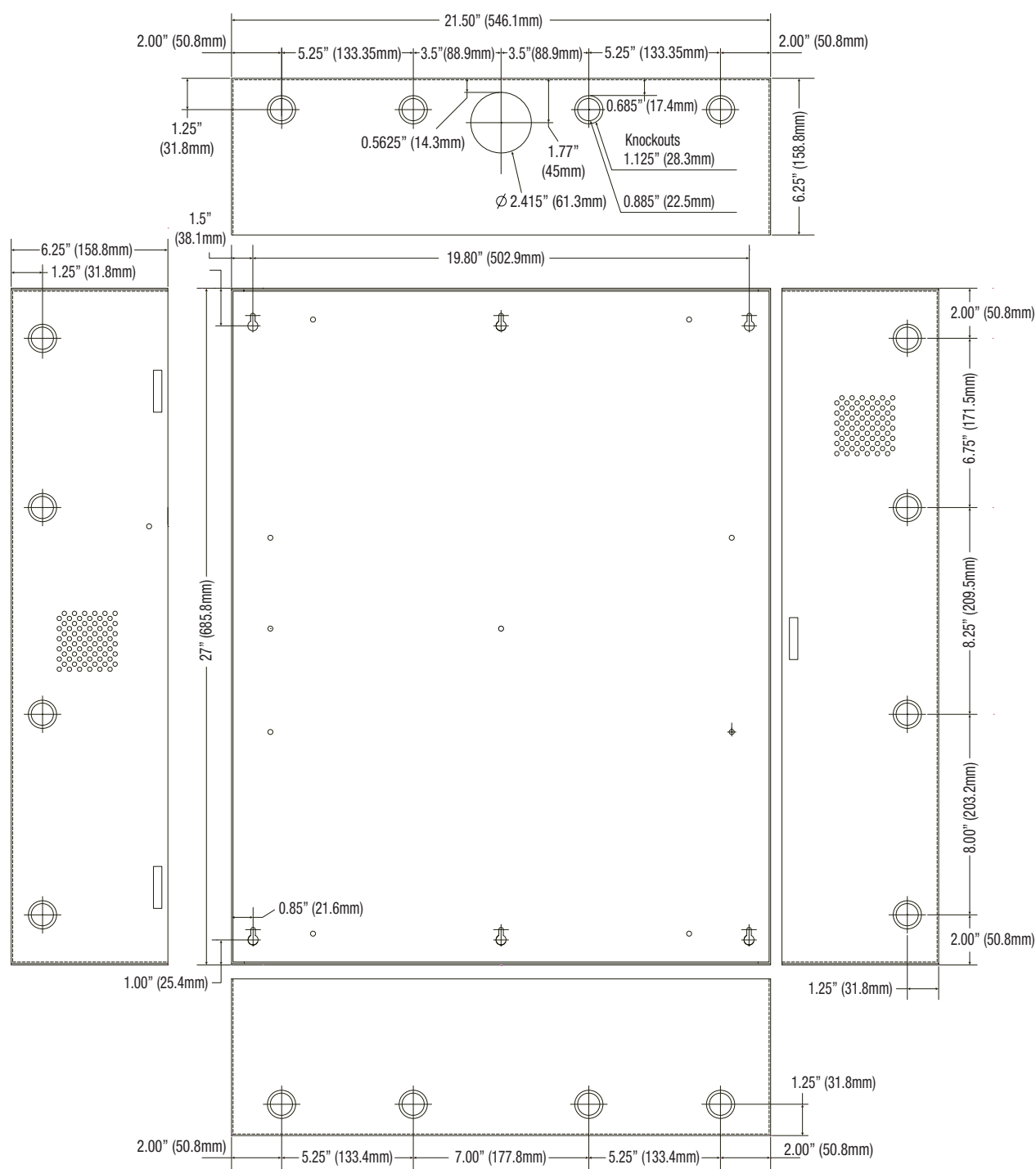
| Mercury | Pem Mounting |
|---------------------------------------|--------------|
| LP2500, MUX8 | (A) |
| LP1502, LP4502, MR52, MR16IN, MR16OUT | (B) |
| LP1501, MR62e | (C) |
| MR50 | (D) |



Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)



Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com