

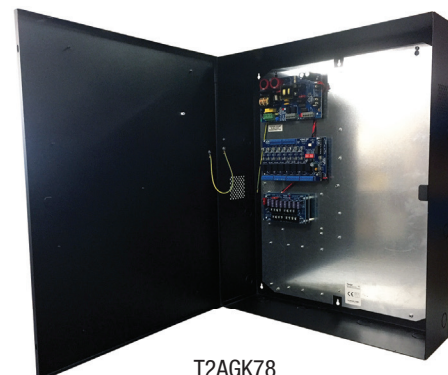
T2AGK78

Access & Power Integration Solution for AMAG M4000

Altronix T2AGK78 kit consists of Trove2 enclosure, TAG2 AMAG/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) 8-output fused access power controller, one (1) voltage regulator and one (1) 8-output fused dual input power distribution module. This kit also accommodate up to two (2) AMAG M4000 modules for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



TROVE™



T2AGK78

AMAG M4000 modules are sold separately

Key Features

- 24VDC power supply/charger
- Accommodates up to two (2) AMAG M4000 modules
- Convenient knockout configuration:
 - Single 2" diameter knockout located top center of enclosure
 - Sixteen (16) double knockouts (1" and 0.75")
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 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
- 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**Power Supply (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) 40AH/65 AH (requires separate enclosure) |
| Type | Sealed lead acid or gel type |
| Failover | 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 Fuses | 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 AL1024ULXB2 |
|---------|------------------------|

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 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 |

T2AGK78 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)**

| | |
|------------|---|
| Enclosure: | 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm) |
| Shipping: | 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm) |

Weight (approx.)

| | |
|-----------|---------------------|
| Product: | 40.1 lb. (18.2 kg) |
| Shipping: | 43.85 lb. (19.9 kg) |

Temperature

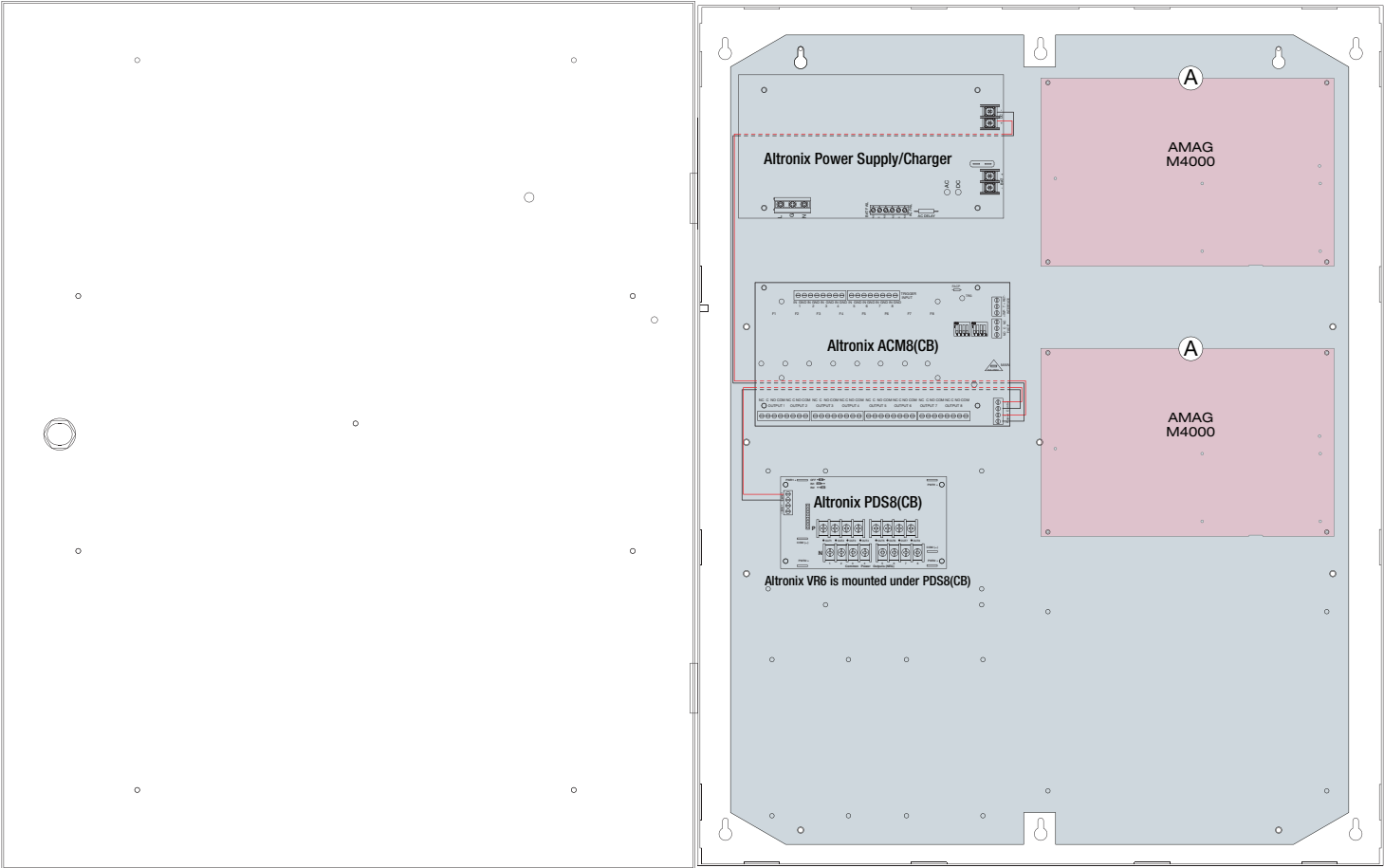
| | |
|-----------|-------------------------------|
| Operating | 0°C to 49°C (32°F to 120°F) |
| Storage | -20°C to 70°C (-4°F to 158°F) |

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

| | |
|--------------------|-------------|
| BTU/Hr. (approx.): | 145 BTU/Hr. |
|--------------------|-------------|

Access Controller Position Chart for the Following Models:

| | |
|--|--------------|
| AMAG | Pem Mounting |
| M4000-DEC4, M4000-DEC4 w/M4000-DBB, M4000-IOC20/16 | (A) |



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)

