

T2AGK7F12DV (Kit)

Access & Power Integration Solution for AMAG M4000



Altronix T2AGK7F12DV kit consists of Trove2 enclosure, TAM2 AMAG/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 8-output PTC access power controller, one (1) 4-output PTC access power controller, one (1) voltage regulator and one (1) dual input PTC power distribution module.

This kit also accommodate up to three (3) 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.



AMAG boards are not included

Key Features

- 24VDC power supply/charger
- Accommodates up to three (3) AMAG M4000 modules
- 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
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- CE European Conformity
- Lifetime Warranty*

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

Specifications

Power Supply/Charger (eFlow104NBV):

| | |
|----------------|--|
| Input | |
| Voltage | 220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A |
| Input Fuse | 6.3A/250V |
| Outputs | |
| Voltage | 24VDC |
| Current | 10A continuous |
| Auxiliary | Class 2 power-limited @ 1A (unswitched) |
| Other | Overvoltage protection. Filtered and regulated |

Battery Charging

| | |
|-------------------------------|--|
| Capacity | 12AH/12VDC (4 within enclosure) 40AH/65AH (requires separate enclosure) |
| Type | Sealed lead acid or gel type |
| Failover | Upon AC loss, instantaneous |
| Batteries are sold separately | |

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. Prevents deep battery discharge

Indicators (LED)

| | |
|-----------|-------------------|
| Input | 220VAC is present |
| DC Output | Powered |

Dual Input Power Distribution Module (PDS8CB):

| | |
|--------------|---|
| Input | |
| Voltage | 24VDC from eFlow104NBV and 12VDC from VR6 |
| Input PTCs | 9A |

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 | |
| Output PTCs | 3A/32V |

Indicators (LED)

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

Voltage Regulator (VR6):

| | |
|--------------|------------------------|
| Input | |
| Voltage | 24VDC from eFlow104NBV |

Output

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

Indicators (LED)

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

Access Power Controller (ACM8CB):

| | |
|--------------|------------------------|
| Input | |
| Voltage | 24VDC from eFlow104NBV |
| Input Fuse | 10A/250V |

Outputs

| | |
|--|-------|
| Voltage | 24VDC |
| Eight (8) independently controlled PTC 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 PTCs | 2.5A |

Indicators (LED)

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

Access Power Controller (ACM4CB):

| | |
|--------------|------------------------|
| Input | |
| Voltage | 24VDC from eFlow104NBV |
| Input PTC | 9A |

Outputs

| | |
|--|--------|
| Voltage | 24VDC |
| Four (4) independently controlled PTC 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 PTCs | 3A/32V |

Indicators (LED)

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

T2AGK7F12DV Kit:

Agency Listings

| | |
|----|---------------------|
| 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: | 54.6 lb. (24.8 kg) |
| Shipping: | 59.6 lb. (27 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

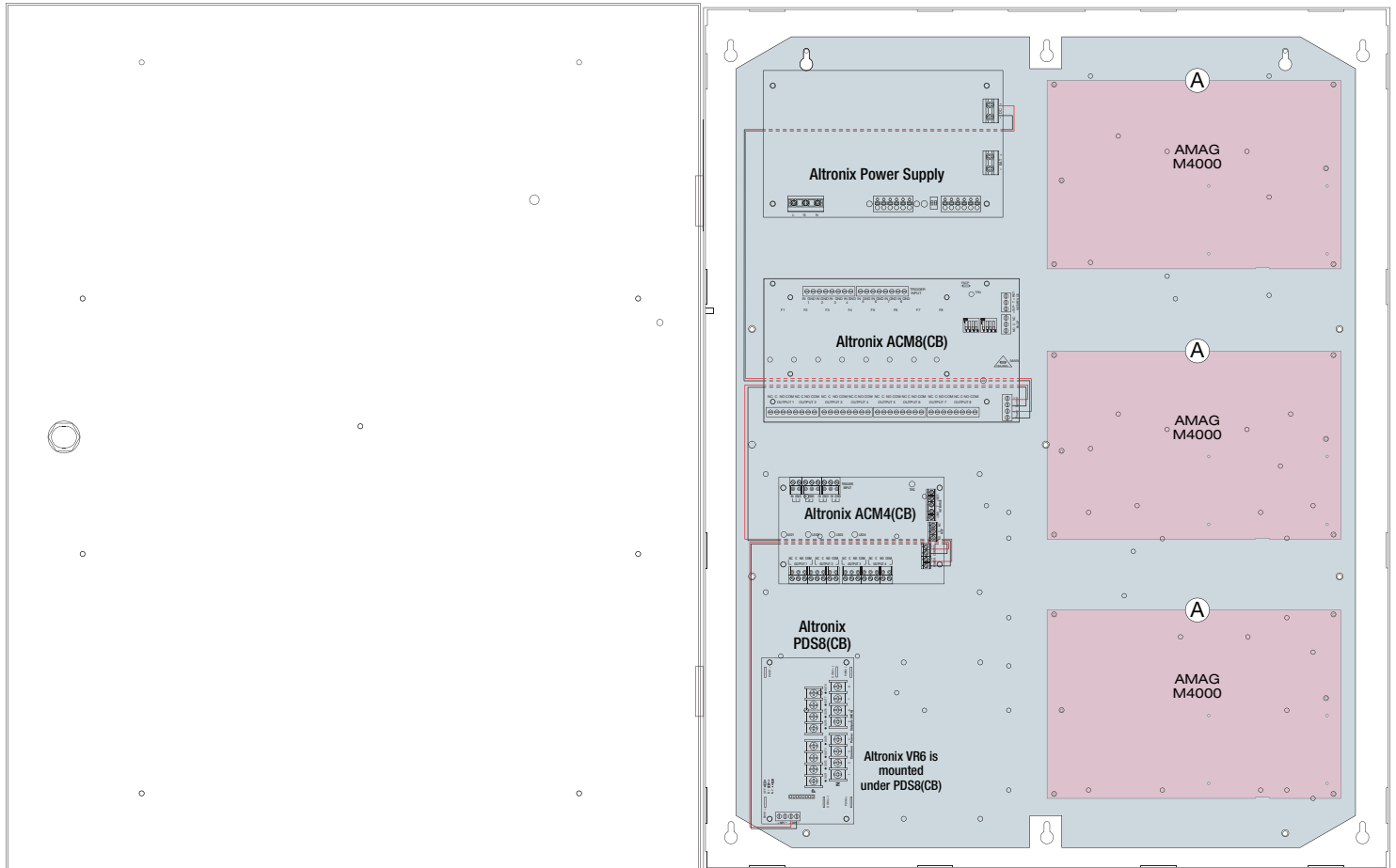
| | |
|-------------------|------------|
| Relative Humidity | 85% +/- 5% |
|-------------------|------------|

BTU/Hr. (approx.):

| | |
|--------------------|-------------|
| BTU/Hr. (approx.): | 131 BTU/Hr. |
|--------------------|-------------|

Access Controller Position Chart for the Following Models:

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



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.



BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC
with
batteries



Trove2BWC
with
wires



TROVE2BWC - Battery/Wire Trough Enclosure

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

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)

