

T2AGK78V

Access & Power Integration Solution for AMAG M4000

Altronix T2AGK78V kit consists of Trove2 enclosure, TAM2 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™



T2AGK78V

AMAG boards are not included

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
- CE European Conformity
- Lifetime Warranty*

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

Specifications**Power Supply (AL1024XB2V):****Input**

Voltage 220VAC (working range 198VAC-256VAC),
50/60Hz, 2.5A

Input Fuse 5A/250V

Outputs

Voltage 24VDC

Current 10A @ 24VDC continuous max

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

Supervision

AC Failure Form "C" contacts

Battery Form "C" contacts

Indicators (LED)

Input 220VAC is present

DC Output Powered

Battery Discharged or not connected

Dual Input Power Distribution Module (PDS8):**Input**

Voltage 12VDC from VR6 and
24VDC from AL1024XB2V

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

Output Fuses 3A/32V

Indicators (LED)

DC Output Eight (8) individual output LEDs

Green: 12VDC

Red: 24VDC

Voltage Regulator (VR6):**Input**

Voltage 24VDC from AL1024XB2V

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 AL1024XB2V

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

T2AGK78V 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: 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)

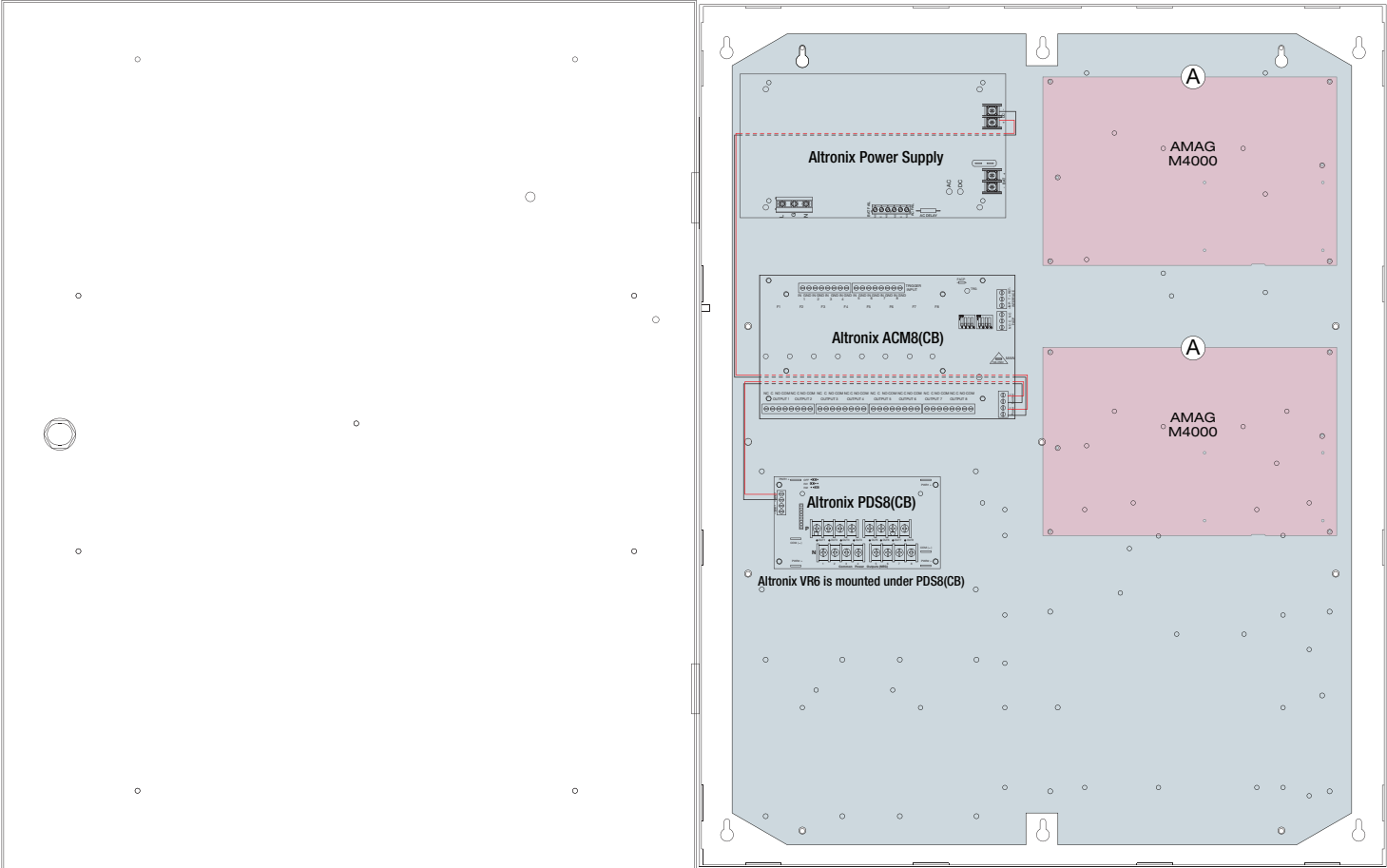
Storage -20°C to 70°C (-4°F to 158°F)

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)



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.



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
batteriesTrove2BWC
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)

