

T2AGK7F8SDV (Kit)

Access & Power Integration Solution for AMAG M4000

TROVE™

Altronix T2AGK7F8SDV kit consists of Trove2 enclosure, TAM2 AMAG/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) dual input PTC access power controller, one (1) voltage regulator and one (1) dual input PTC 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.

**T2AGK7F8SDV***AMAG boards are not included***Key Features**

- 24VDC power supply/charger
- Accommodates up to two (2) 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 (eFlow104NBV):

Input

Voltage 220VAC (working range 198VAC - 256VAC),
50/60Hz, 2.7A

Input Fuse 6.3A/250V

Output

Voltage 24VDC @ 10A

Auxiliary 1A (unswitched)

Protection Overvoltage protection. Filtered and regulated

Battery Charging

Capacity 12VDC/12AH (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 (depending on the power supply).

Prevents deep battery discharge

Indicators (LED)

AC Input 220VAC is present

DC Output 24VDC is present

Battery Discharged or not connected

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage 24VDC from eFlow104NBV and 12VDC from VR6

Input PTCs 9A

Outputs

Voltage 12 or 24VDC individually selectable

Eight (8) selectable 12VDC - 24VDC independently controlled
outputs or eight (8) independently controlled Form "C" relay outputs:

- Fail-Safe and/or Fail-Secure power outputs
- Form "C" Relays. 28VAC or VDC @ 2.5A Rated
- Auxiliary power outputs (unswitched)
- Any combination of the above

Any of the eight (8) PTC protected power outputs are selectable
to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs 2.5A

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Blue LED FACP disconnect is triggered

Individual voltage 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

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 2.5A

Indicators (LED)

DC Output Eight (8) individual output LEDs

Green: 12VDC

Red: 24VDC

T2AGK7F8SV 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: 41.6 lb. (18.87 kg)

Shipping: 45.6 lb. (20.68 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

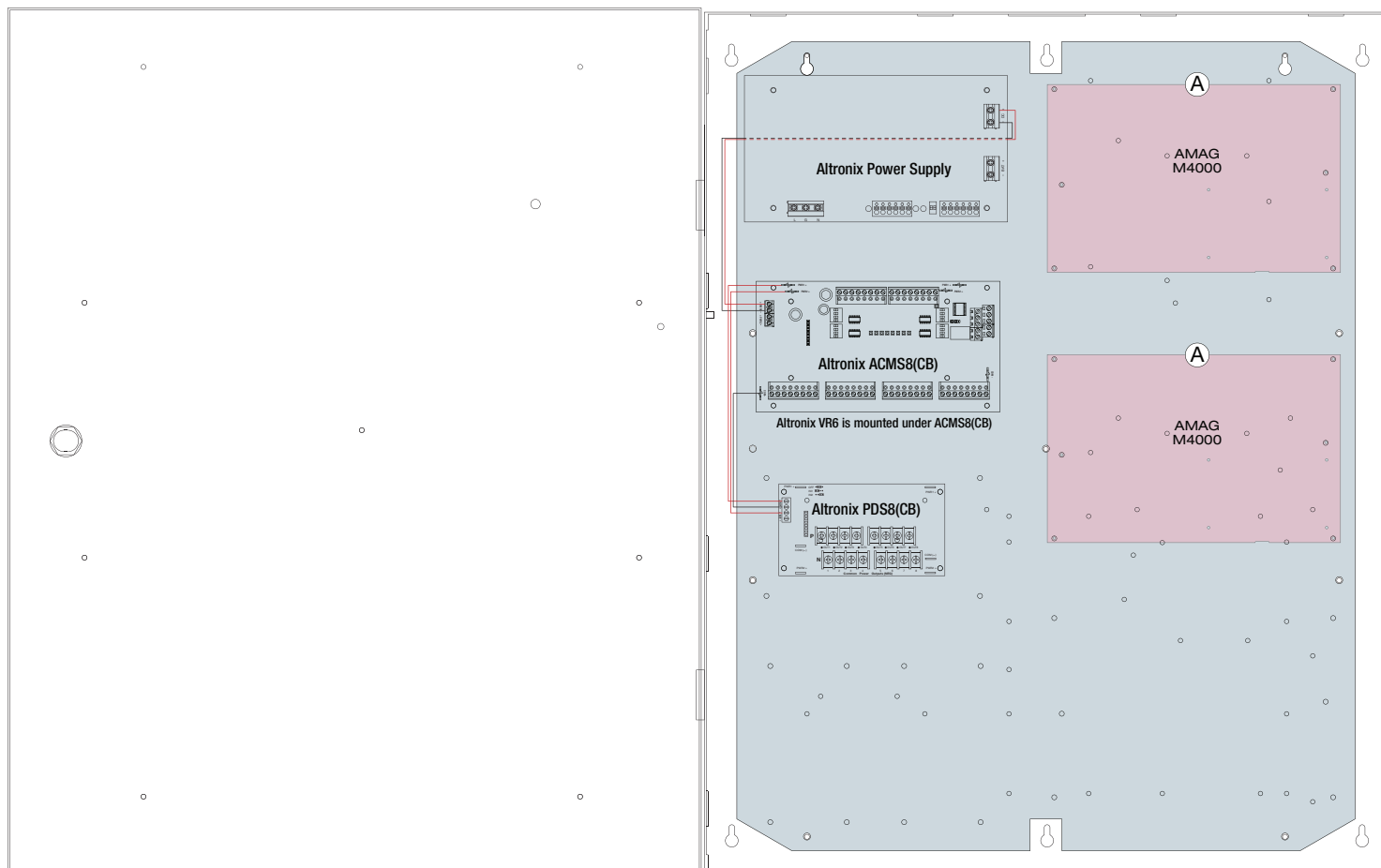
85% +/- 5%

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)


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)

