

T1VK34V (Kit)

Access & Power Integration Solution for HID Aero/VertX

Altronix T1VK34V kit consists of Trove1 enclosure, TV1 HID Aero/VertX/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger, one (1) fused access power controller, one (1) voltage regulator and one (1) dual input fused power distribution module. This kit also accommodates up to two (2) HID Aero/VertX modules for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



TROVE™



T1VK34V

HID Aero/VertX modules are not included

Key Features

- 12 or 24VDC power supply/charger
- Accommodates up to two (2) VertX® V100, V200, V300, V1000, V2000 or Aero X100, X200, X300, X1100 modules
- Convenient knockout configuration:
 - One (1) double knockout
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
 - Nine (9) 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 two (2) 12VDC/7AH batteries
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- 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/Charger (AL600XB220):

Input

Voltage	220VAC (working range 198VAC-256VAC), 50/60Hz, 1.5A
Input Fuse	5A/250V

Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	7AH/12VDC (2 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

Access Power Controller (ACM4):

Input

Voltage	24VDC from AL600XB220
Input Fuse	10A/32V

Outputs

Voltage	24VDC
Four (4) 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	3A/32V
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Indicators (LED)

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

Voltage Regulator (VR6):

Input

Voltage	24VDC from AL600XB220
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Power Distribution Module (PDS8):

Input

Voltage	24VDC from AL600XB220 and 12VDC from VR6
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Input Fuses	10A/250V
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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
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Indicators (LED)

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

T1VK34V Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental:

Dimensions (H x W x D)

Enclosure:	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping:	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Product:	15.5 lb. (7.0 kg)
Shipping:	19.5 lb. (8.9 kg)

Temperature

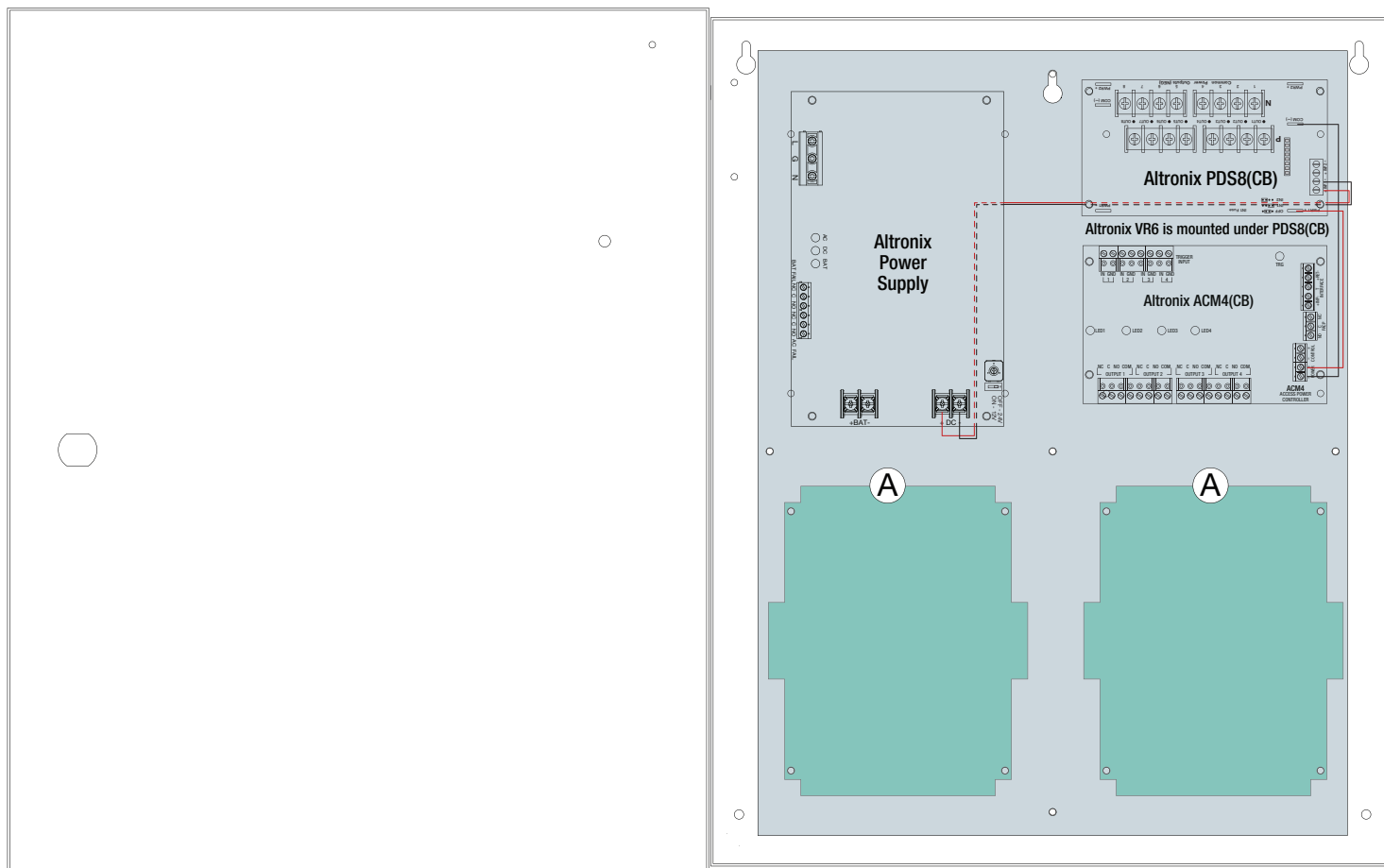
Operating	0°C to 49°C (32°F to 120°F)
Storage	- 20°C to 70°C (- 4°F to 158°F)

Relative Humidity	85% +/- 5%
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BTU/Hr. (approx.):	87 BTU/Hr.
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Access Controller Position Chart for the Following Models:

HID Aero/VertX	Pem Mounting
V100, V200, V300, V1000, V2000, X100, X200, X300, X1100	(A)



Dimensions and Drawing

Dimensions (H x W x D approximate)

18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 118mm)

