

## T3AXK77F16SDV (Kit)

Access & Power Integration Solution for Axis Communications



Altronix T3AXK77F16SDV kit consists of Trove2 enclosure, TV3 Axis Communications/ Altronix backplane with two (2) 24VDC @ 10A power supply/charger, two (2) eight (8) PTC protected dual input/output access control modules, two (2) 12VDC voltage regulators and two (2) sixteen (16) PTC protected dual input/output power distribution modules. This kit also accommodates up to eight (8) A1601 or A1610 or sixteen (16) A1210 modules for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T3AXK77F16SDV with eight (8) A1601  
DIN Rail is not included

*Axis Communications boards are not included*

### Key Features

- Two (2) 24VDC power supply/chargers
- Accommodates AXIS A1601, A1610 or A1210 modules
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Two (2) double knockouts 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
  - Thirteen (13) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Agency Listings:
  - CE European Conformity
- Lifetime Warranty\*

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

**Specifications****Two (2) Power Supply/Chargers (eFlow104NBV):****Input**

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A
Input Fuse	6.5A/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

**Two (2) Dual Input Access Power Controllers (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:	
a) Fail-Safe and/or Fail-Secure power outputs	
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated	
c) Auxiliary power outputs (unswitched)	
d) 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
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**Indicators (LED)**

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Individual voltage LEDs:	
Green:	12VDC
Red:	24VDC

**Two (2) Voltage Regulators (VR6):****Input**

Voltage	24VDC from eFlow104NBV
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**Output**

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

**Indicators (LED)**

Input	24VDC is present
Output	Powered

**Two (2) Dual Input Power Distribution Modules (PDS16CB):****Input**

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

**Outputs**

Voltage	12VDC and/or 24VDC
Any of the sixteen) 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	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

**T3AXK77F16SDV Kit:****Agency Listings**

CE	European Conformity
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**Physical and Environmental****Dimensions (H x W x D)**

Enclosure: 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)  
Shipping: 40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)

**Weight (approx.)**

Product	84.2 lb. (38.2 kg)
Shipping	97.5 lb. (44.22 kg)

**Temperature**

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

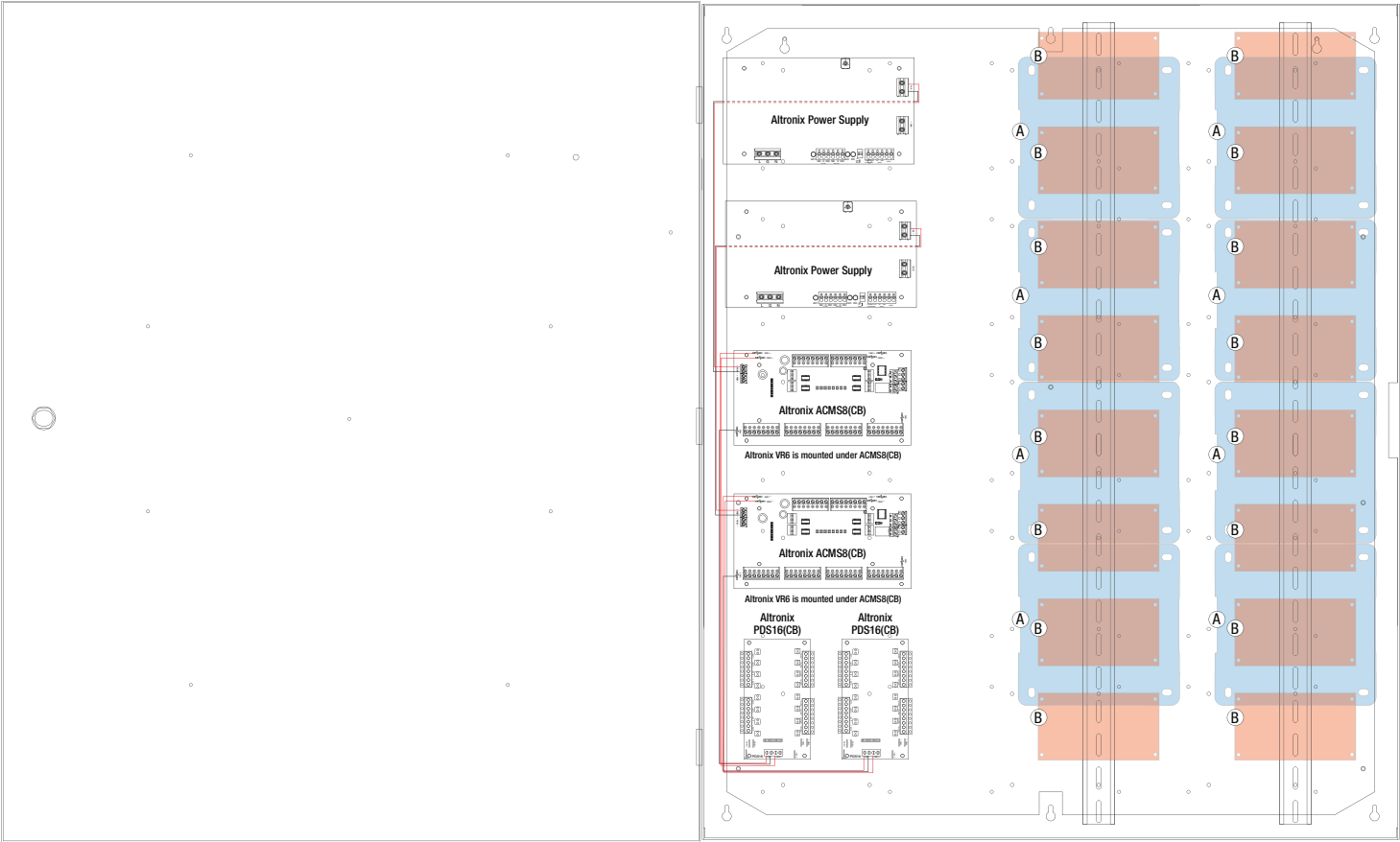
**Relative Humidity**

85% +/- 5%.

BTU/Hr (approx.): 246 BTU/Hr.

**Access Controller Position Chart for the Following Models:**

Altronix/Axis Communications	Pem Mounting
Axis 1601, Axis 1610 (mounted onto DIN Rail)	(A)
Axis 1210 (mounted onto DIN Rail)	(B)



**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.



**TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure**

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets. Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

*Typical battery/wiring setup with Trove3 Enclosure (not included)*

## Dimensions and Drawing

### Dimensions (H x W x D approximate)

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

