

# T1AXK3F2SDV (Kit)

## Access & Power Integration Solution for Axis Communications

Altronix T1AXK3F2SDV kit consists of Trove1 enclosure, TDR1 DIN Rail/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger, one (1) PTC access power controller, one (1) voltage regulator and one (1) dual input PTC power distribution module. This kit also accommodates one (1) A1610 or two (2) A1210 for up to two (2) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



# TROVE™



T1AXK3F2SDV with two (2) A1201  
DIN Rail is included



T1AXK3F2SDV with one (1) A1610  
DIN Rail is included

*Axis Communications boards are not included*

### Key Features

- 12 or 24VDC power supply/charger
- Accommodates one (1) A1610 or two (2) A1210 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
  - Low Battery and Battery Presence
  - Low power shutdown
- Agency Listings:
  - CE European Conformity
- Lifetime Warranty\*

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

## Specifications

### Power Supply/Charger (eFlow6NBV):

#### Input

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

Input Fuse 5A/250V

#### Outputs

Voltage 12VDC or 24VDC selectable

Current 6A continuous max.

Auxiliary Power-limited @ 1A (unswitched)

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

### 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

71-73% for 12V units and 70-75% for 24V units

(depending on the power supply). Prevents deep battery discharge

### Indicators (LED)

Input 220VAC is present

DC Output Powered

### Access Power Controller (ACM4CB):

#### Input

Voltage 24VDC from eFlow6NBV

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 2.5A

### Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

### Voltage Regulator (VR6):

#### Input

Voltage 24VDC from eFlow6NBV

#### 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 eFlow6NBV 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

### T1AXK3F2SDV Kit:

### Agency Listings

CE European Conformity

### 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)

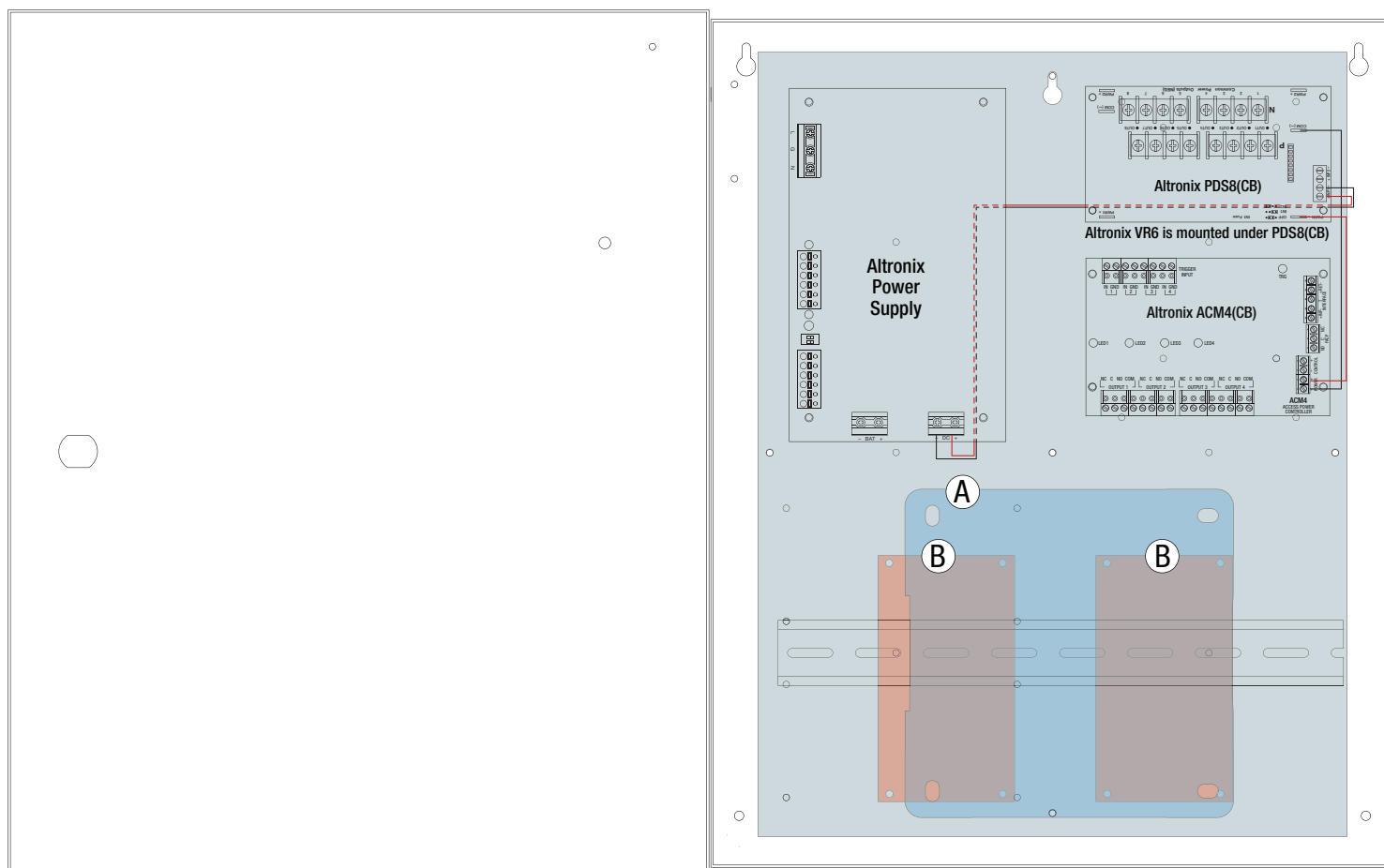
Storage - 20°C to 70°C (- 4°F to 158°F)

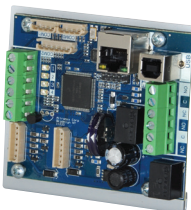
Relative Humidity 85% +/- 5%

BTU/Hr. (approx.): 87 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.

## 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)

