

## T2AXK3F8ADQ (Kit)

Access & Power Integration Solution for Axis Communications

# TROVE™

Altronix T2AXK3F8ADQ kit consists of Trove2 enclosure, TAX2 Axis Communications/ Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) voltage regulator, one (1) eight (8) output PTC networked access power controller and one (1) eight (8) output PTC dual input power distribution module. This kit also accommodates up to one (1) A1810-B for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2AXK3F8ADQ

*Axis Communications boards are not included*

### Key Features

- 12 or 24VDC power supply/charger
- Accommodates AXIS A1810-B module
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
  - UL: UL294 - Access Control System
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Lifetime Warranty\*

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

## Specifications

### Power Supply/Charger (eFlow6NB):

#### Input

Voltage	120VAC, 60Hz. 3.5A
Input Fuse	5A/250V

#### Output

Voltage	24VDC
Current	6A continuous
Auxiliary	1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	12AH/12VDC (4 within enclosure) 40AH/65AH (requires separate enclosure)
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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

### 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)

Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from eFlow6NB
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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 (PDS8CB)

#### Input

Voltage	24VDC from eFlow6NB and 12VDC from VR6
Input PTCs	9A

#### Outputs

Voltage	12VDC and/or 24VDC
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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

### Network Access Power Controller (LINQ8ACMCB):

#### Input

Voltage	24VDC from eFlow6NB and 12VDC from VR6
Input PTCs	9A

#### Outputs

PTC protected outputs  
 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

### Programming Features:

#### Eight (8) Programmable Outputs:

- Fail-safe, fail-secure or auxiliary outputs
- Input controlled or manually controlled through software
- High (over) and low (under) voltage and current monitoring by output
- Multiple outputs may be programmed to be triggered by a single input
- Battery back-up by output

#### Eight (8) Programmable Trigger Inputs:

- Normally open (NO), Normally closed (NC) or Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10k resistor
- Any combination of the above

#### Other Programmable Trigger Inputs:

- Monitor power supply(ies) input for voltage and current limits (high/low)
- Input and output current calibration, Programmable timer events
- Programmable user levels, Enable or disable alerts by type
- Programmable alert reporting delay

### Indicators (LED)

<b>Green AC LED:</b>	indicates AC trouble condition
<b>Green BAT LED:</b>	indicates battery trouble condition
<b>Green FACP LED:</b>	indicates FACP disconnect is triggered
<b>Flashing Blue Heartbeat LED:</b>	indicates network connection
<b>Individual OUT1 - OUT8 Red LEDs:</b>	indicate outputs are triggered
<b>Individual Voltage LEDs:</b>	indicate 12VDC (Green) or 24VDC (Red)

### T2AXK3F8ADQ Kit:

#### Agency Listings

All components of this Trove kit are UL Listed sub-assemblies.  
 Please refer to the corresponding Sub-Assembly Installation Guides for further information

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" (826mm x 673mm x 283mm)

#### Weight (approx.)

Product	49.8 lb. (22.59 kg).
Shipping	53.55 lb. (24.29 kg).

#### Temperature

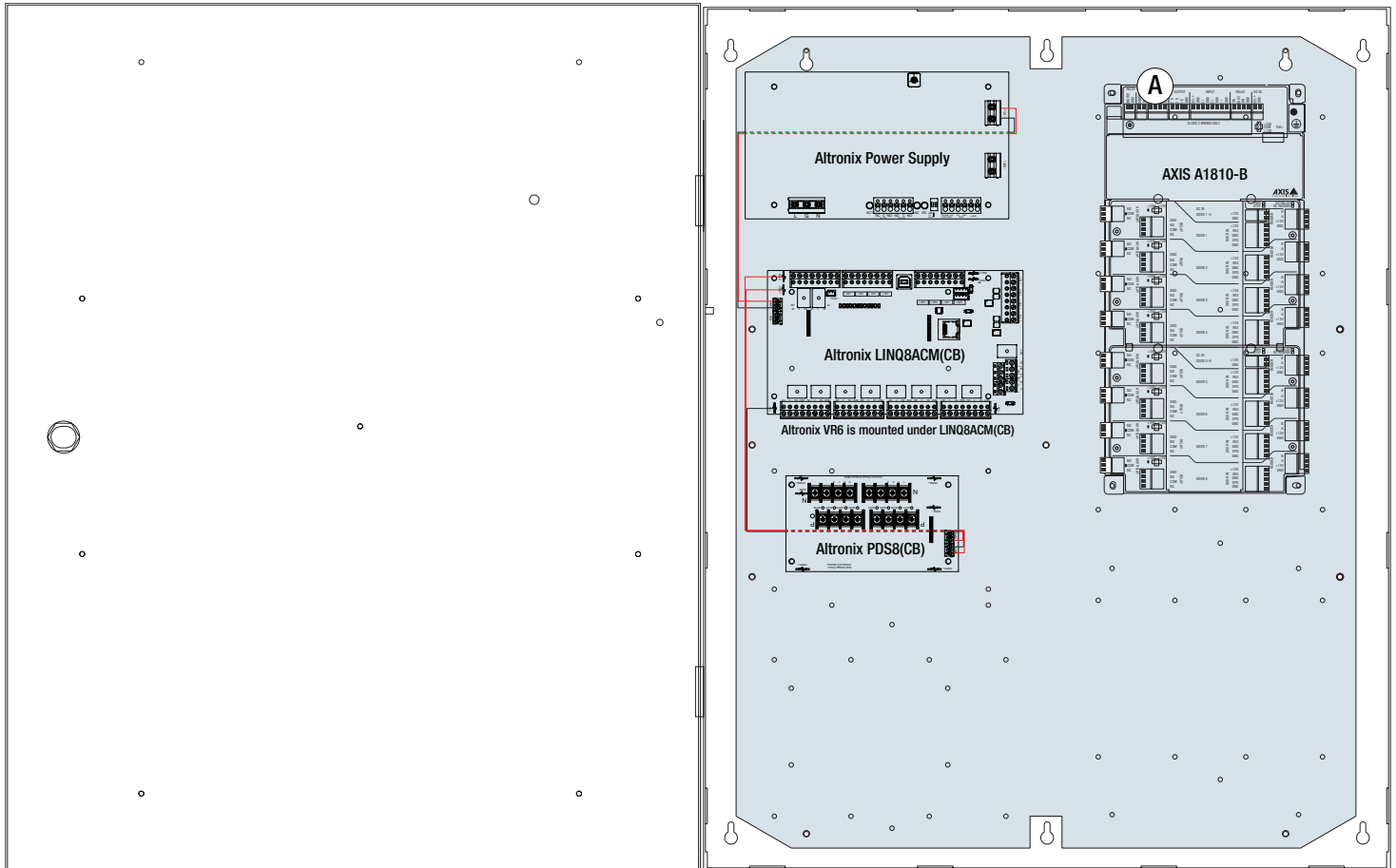
Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/- 5%.

BTU/Hr (approx.): 77 BTU/Hr.

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

Altronix/Axis Communications	Pem Mounting
Axis A1810-B	(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  
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)

