

# T1AXK1F4PDQ (Kit)

Access & Power Integration Solution for Axis Communications



Altronix T1AXK1F4PDQ kit consists of Trove1 enclosure, TDR1 DIN Rail/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) voltage regulator and one (1) dual input networked PTC power distribution module. This kit also accommodates one (1) A1710B for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1AXK1F4PDQ

*Axis Communications boards are not included*

## Key Features

- 24VDC power supply/charger
- Accommodates one (1) A1710B module
- 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)
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- 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 (eFlow4NB):**

**Input**

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

**Output**

Voltage 24VDC  
 Current 4A continuous  
 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

**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 eFlow4NB

**Output**

Voltage 12VDC  
 Current 6A continuous  
 Other Surge suppression

**Indicators (LED)**

Input 24VDC is present  
 Output Powered

**Network Power Distribution Module (LINQ8PDCB):**

**Input**

Voltage 24VDC from eFlow4NB and 12VDC from VR6

Input Fuses 15A/32V

**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

**Status Monitoring**

Power Supply output voltage and load, Voltage and load of each output  
 FACP trigger and reset status, Unit temperature (Celsius)  
 Power Supply AC and Battery status, Battery health

**Reporting:**

Windows Dashboard Alert messages  
 E-mail notifications, Event Log tracks history

**Indicators (LED)**

Bat Local Charging current status  
 FACP Triggered / Released  
 Input Input signal  
 Out1 - Out8 Output status

**T1AXK1F4PDQ 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 18.0 lb. (8.17 kg)  
 Shipping 22.0 lb. (9.98 kg)

**Temperature**

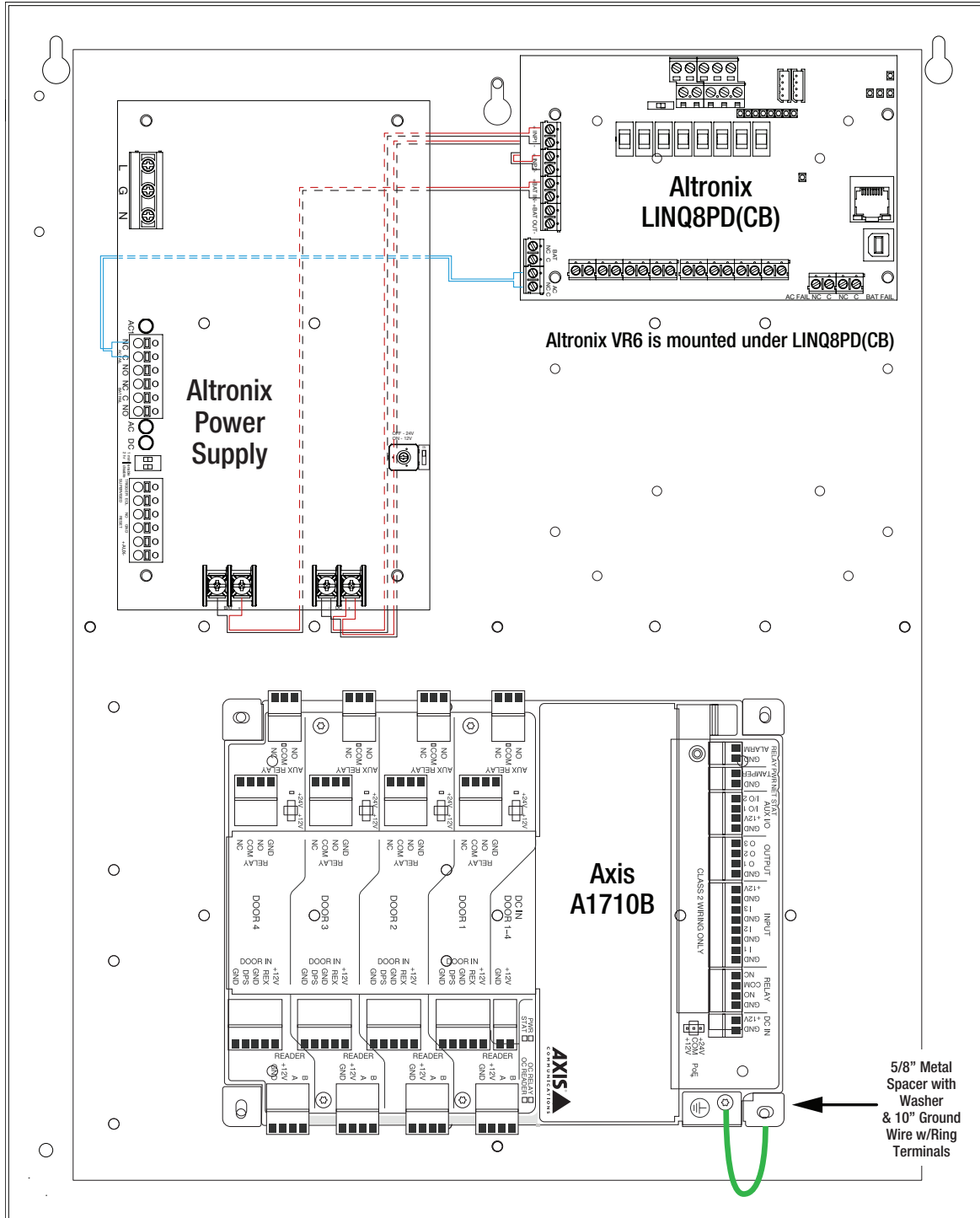
Operating 0°C to 49°C (32°F to 120°F)  
 Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.): 90 BTU/Hr.

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

Altronix/Axis Communications	Pem Mounting
Axis 1710B	(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)

