

## T2AXK75F12 (Kit)

Access & Power Integration Solution for Axis Communications



Altronix T2AXK75F12 kit consists of Trove2 enclosure, TAX2 Axis Communications/Altronix backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/charger, one (1) twelve (12) fuse protected dual input/output access control module, and one (1) sixteen (16) fuse protected dual input/output power distribution module. This kit also accommodates one (1) A1810-B and one (1) A1710-B for up to twelve (12) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2AXK75F12

*Axis Communications boards are not included*

### Key Features

- 24VDC & 12VDC power supply/chargers
- Accommodates AXIS A1810-B and A1710-B modules
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- CE European Conformity
- Lifetime Warranty\*

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

**Specifications**

**Power Supply/Charger 1 (eFlow104NB):**

**Input**

Voltage 120VAC, 60Hz, 4.5A  
 Input Fuse 6.3A/250V

**Output**

Voltage 24VDC @ 10A  
 Auxiliary 1A (unswitched)  
 Protection Overvoltage protection. Filtered and regulated

**Power Supply/Charger 2 (eFlow102NB):**

**Input**

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

**Output**

Voltage 12VDC @ 10A  
 Auxiliary 1A (unswitched).  
 Protection Overvoltage protection. Filtered and regulated

**Both Power Supplies:**

**Battery Charging**

Capacity 12VDC/12AH (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 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

**Indicators (LED)**

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

**Dual Input Power Distribution Module (PDS16):**

**Input**

Voltage 24VDC from eFlow104NB and  
 12VDC from eFlow102NB  
 Input Fuses 15A/32V

**Outputs**

Voltage 12VDC and/or 24VDC  
 Any of the sixteen (16) 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

**Indicators (LED)**

DC Output Sixteen (16) individual output LEDs  
 Green: 12VDC  
 Red: 24VDC

**Dual Input Access Power Controller (ACMS12):**

**Input**

Voltage 24VDC from eFlow104NB and  
 12VDC from eFlow102NB

**Input Fuses**

15A/32V

**Outputs**

Voltage 12 or 24VDC individually selectable  
 Twelve (12) selectable 12VDC - 24VDC independently controlled outputs or twelve (12) 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 twelve (12) fuse protected 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

**Indicators (LED)**

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

**Individual voltage LEDs:**

Green: 12VDC  
 Red: 24VDC

**T2AXK75F12 Kit:**

**Agency Listings**

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**

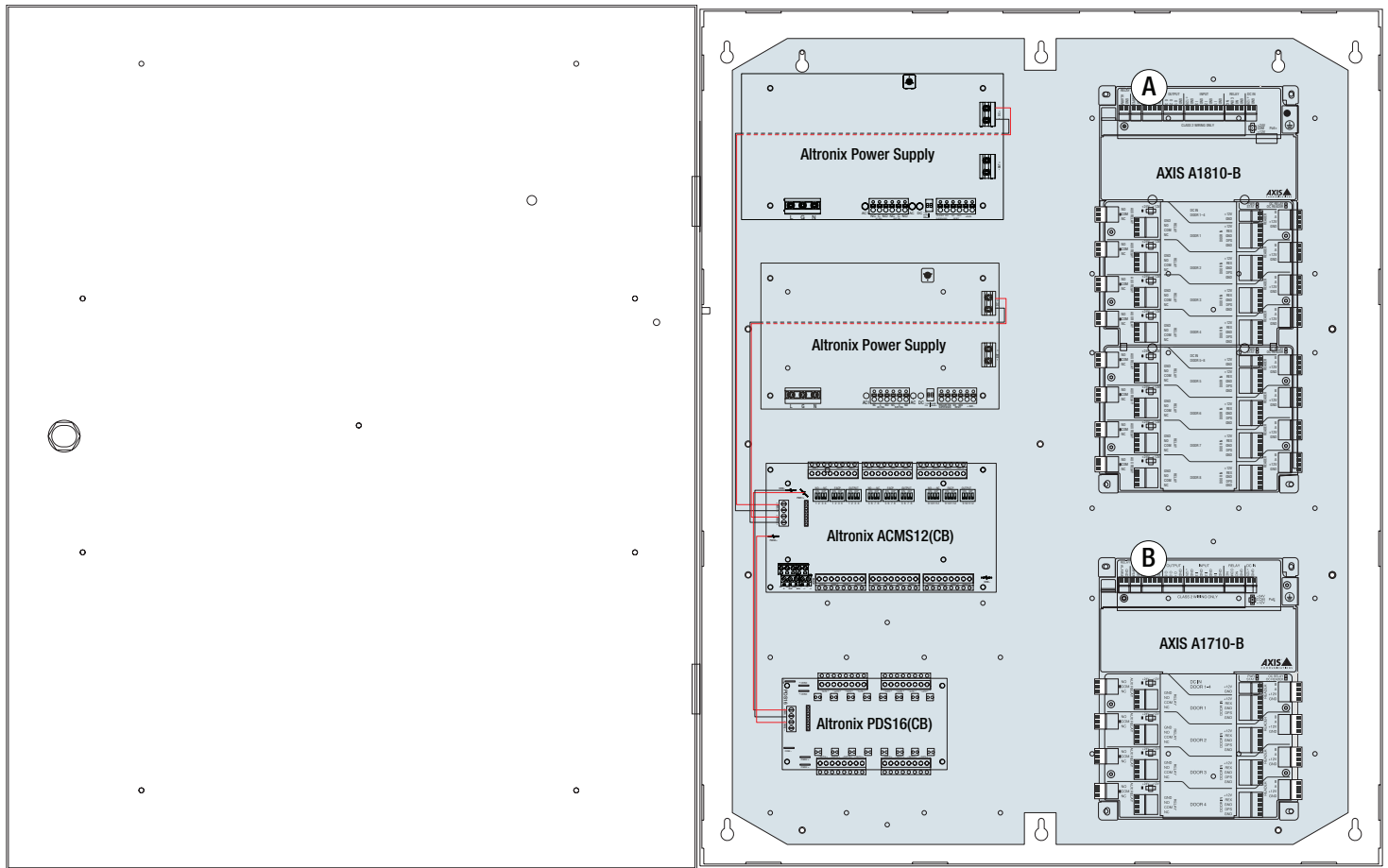
85% +/- 5%.

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

184 BTU/Hr.

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

| Altronix/Axis Communications | Pem Mounting |
|------------------------------|--------------|
| Axis 1810-B                  | (A)          |
| Axis 1710-B                  | (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.

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)

