

T2AXK3F8AQ (Kit)

Access & Power Integration Solution for Axis Communications

TROVE™

Altronix T2AXK3F8AQ 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 fused networked access power controller and one (1) eight (8) output fused 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.



T2AXK3F8AQ

*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)

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

Output

Voltage 12VDC
 Current 6A continuous
 Other Surge suppression

Indicators (LED)

Input 24VDC is present
 Output Powered

Dual Input Power Distribution Module (PDS8)

Input

Voltage 24VDC from eFlow6NB and 12VDC from VR6
 Input Fuses 10A/32V

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 Fuses 3A/32V

Indicators (LED)

DC Output Eight (8) individual output LEDs
 Green: 12VDC
 Red: 24VDC

Network Access Power Controller (LINQ8ACM):

Input

Voltage 24VDC from eFlow6NB and 12VDC from VR6
 Input Fuses 15A/32V

Outputs

Fuse protected outputs
 Any of the eight (8) 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

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)

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

T2AXK3F8AQ 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

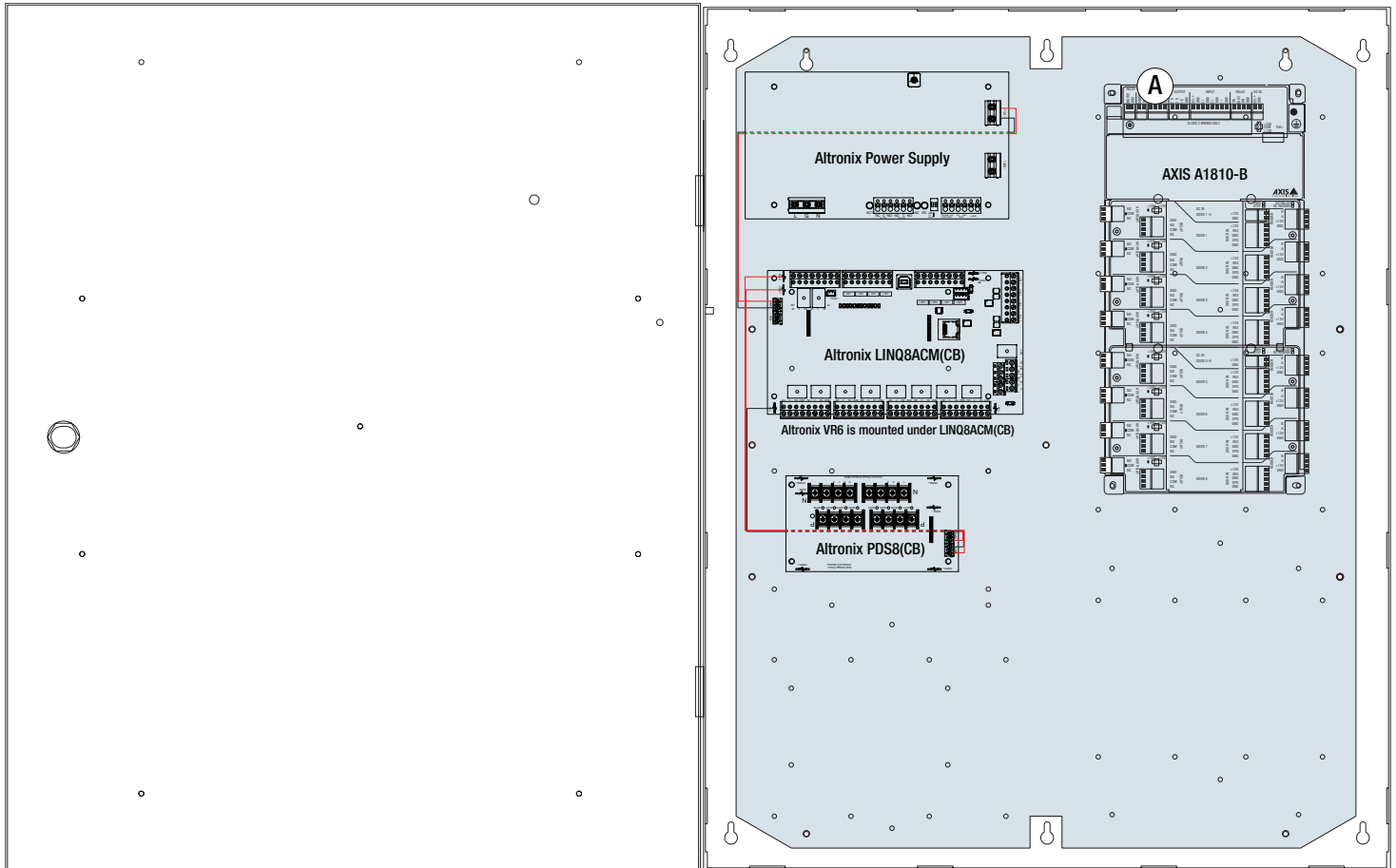
Operating 0°C to 49°C (32°F to 120°F).
 Storage -20°C to 70°C (-4°F to 158°F).

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
batteriesTrove2BWC
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)

