

T2AXK7F8S (Kit)

Access & Power Integration Solution for Axis Communications



Altronix T2AXK7F8S kit consists of Trove2 enclosure, TAX2 Axis Communications/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) eight (8) fuse protected dual input/output access control module, one (1) 12VDC voltage regulator and one (1) eight (8) fuse protected dual input/output power distribution module. This kit also accommodates up to four (4) A1601 or A1610 modules or eight (8) A1210-B for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2AXK7F8S with four (4) A1601
DIN Rail is not included



T2AXK7F8S with eight (8) A1210

Axis Communications boards are not included

Key Features

- 24VDC power supply/charger
- Accommodates AXIS A1601, A1610 or A1210-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)
- Enclosure accommodates up to four (4) 12VDC/7AH batteries
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 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 (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 4.5A max.
 Main Fuse 6.5A/250V

Outputs

Voltage 24VDC
 Current 10A continuous
 Auxiliary Class 2 power-limited @ 1A (unswitched)
 Other Overvoltage protection
 Filtered and regulated

Battery Charging

Capacity 12AH/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 70-75% for 24V units. Prevents deep battery discharge

Indicators (LED)

Input 120VAC is present
 DC Output Powered.

Dual Input Access Power Controller (ACMS8):

Input

Voltage 24VDC from eFlow104NB and
 12VDC from VR6
 Input Fuses 15A/32V

Outputs

Voltage 12VDC and/or 24VDC
 Eight (8) independently controlled fused 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 Fuses 3A/32V

Indicators (LED)

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

Voltage Regulator (VR6):

Input

Voltage 24VDC from eFlow104NB

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 eFlow104NB 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

T2AXK7F8S 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

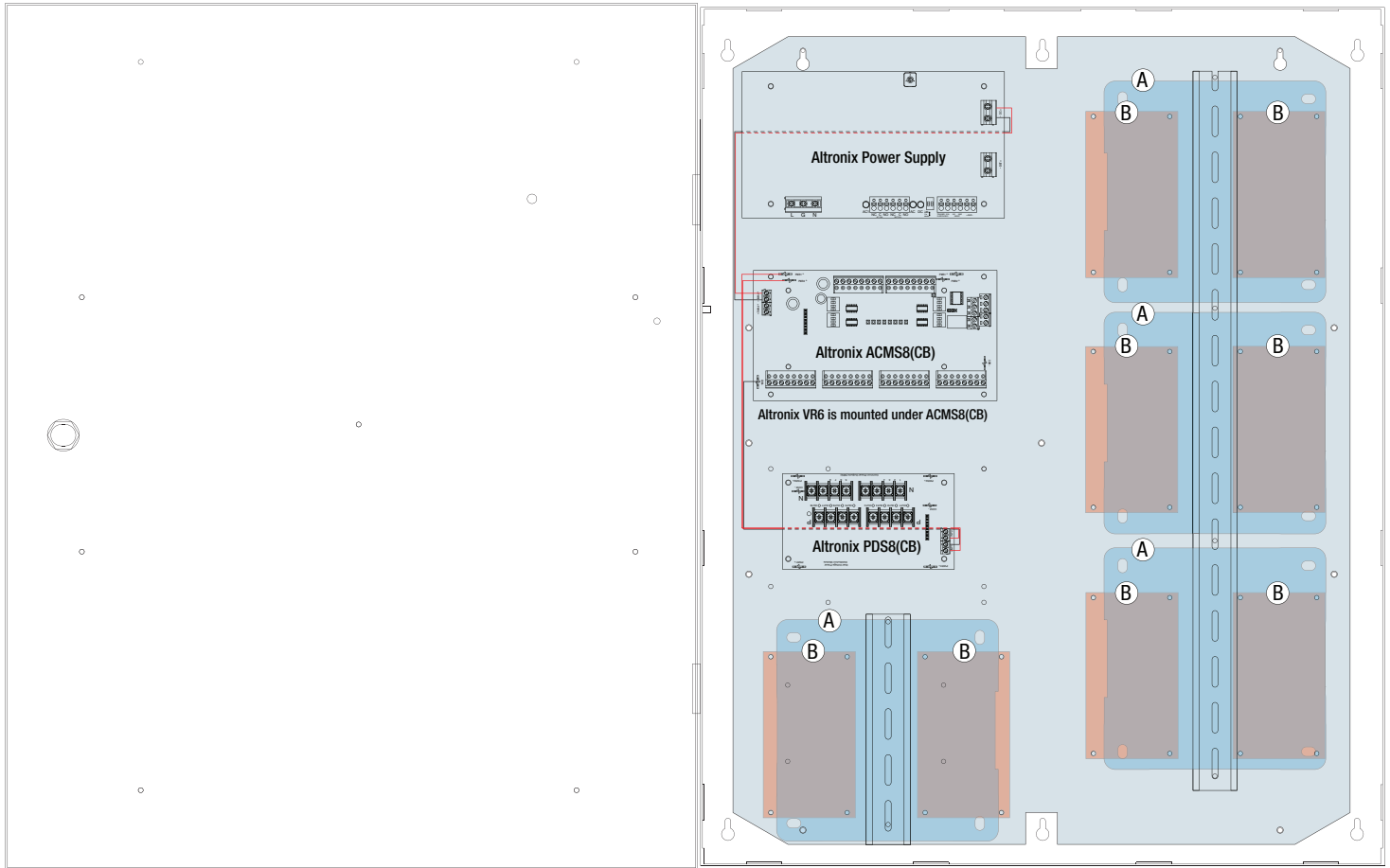
85% +/- 5%.

BTU/Hr (approx.):

77 BTU/Hr.

Access Controller Position Chart for the Following Models:

Altronix/Axis Communications	Pem Mounting
Axis 1601, Axis 1610 (mounted onto DIN Rail)	(A)
Axis 1210	(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)

