

T2SAK7512 (Kit)

Access & Power Integration Solution for Salto



Altronix T2SAK7512 kit consists of Trove2 enclosure, TSA2 Salto/Altronix backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/chargers, one (1) 8-output fused access power controller, one (1) 4-output fused access power controller and one (1) 8-output dual output fused power distribution module.

This kit also accommodates up to six (6) Salto CU42E0, CU4200 or CU4EB8 modules for up to twelve (12) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2SAK7512

Salto boards are not included



INSPIRED ACCESS

Key Features

- One (1) 24VDC and one (1) 12VDC power supply/chargers
- Accommodates up to six (6) Salto CU42E0, CU4200 or CU4EB8 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)
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- 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
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty*

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

Specifications

Power Supply/Charger 1 (AL1024ULXB2):

Input	
Voltage	115VAC 60Hz, 4.2A max.
Input Fuse	5A/250V
Output	
Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Ovoltage protection. Filtered and regulated

Power Supply/Charger 2 (AL1012ULXB):

Input	
Voltage	115VAC, 60Hz, 2.6A max
Fusing	5A/250V
Output	
Voltage	12VDC
Current	10A @ 12VDC continuous max.
Other	Ovoltage protection. Filtered and regulated

Both Power Supplies:

Battery Charging	
Capacity	12VDC/12AH (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

Indicators (LED)	
Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

Dual Input Power Distribution Module (PDS8):

Input	
Voltage	24VDC from AL1024ULXB2 and 12VDC from AL1012ULXB
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

Access Power Controller (ACM8):

Input	
Voltage	24VDC from AL1024ULXB2
Input Fuse	10A/250V
Outputs	
Voltage	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	3.5A/250V
Indicators (LED)	
Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

Access Power Controller (ACM4):

Input	
Voltage	24VDC from AL1024ULXB2
Input Fuse	10A/32V
Outputs	
Voltage	24VDC
Four (4) 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

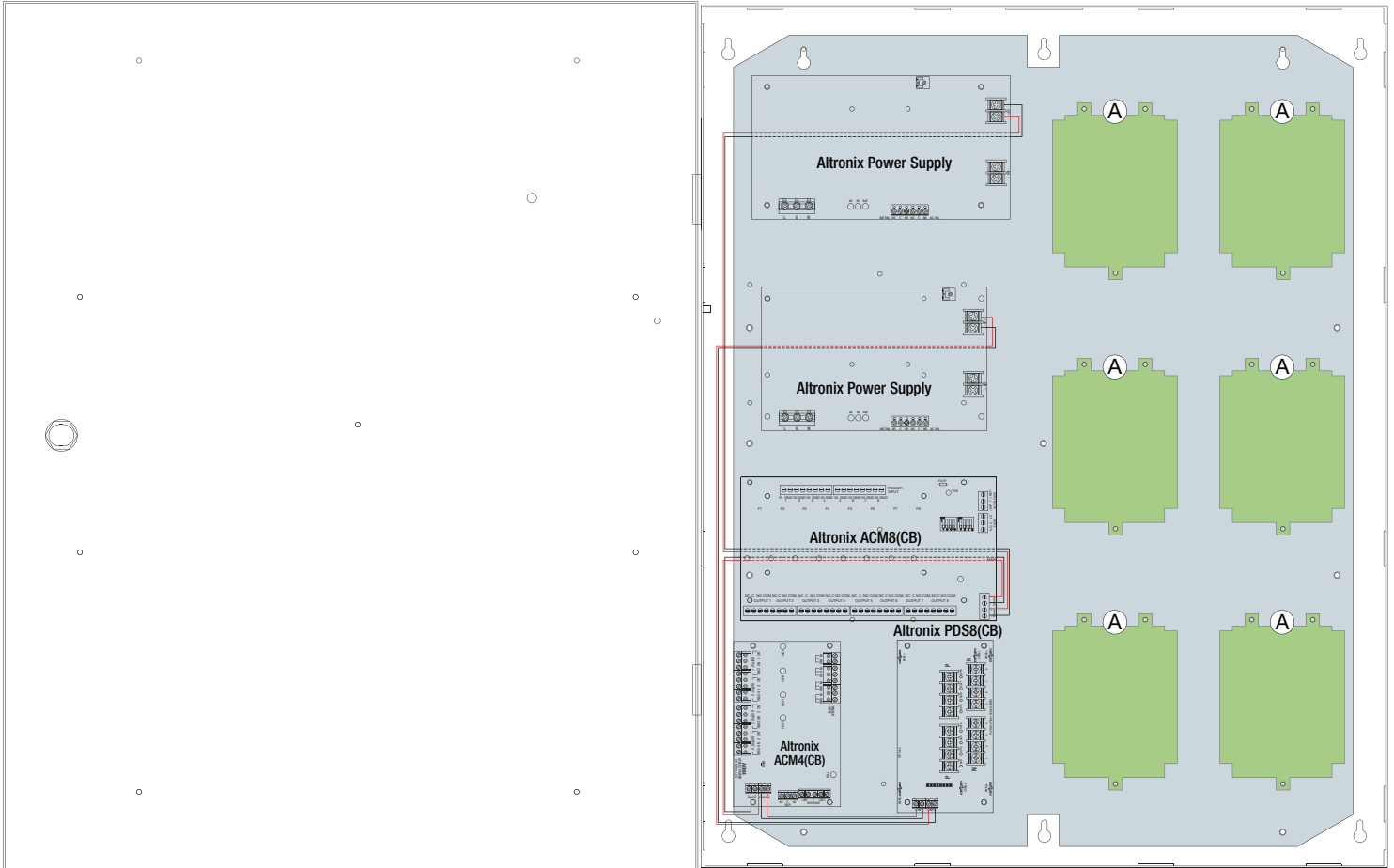
T2SAK7512 Kit:

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" (825.5mm x 673.1mm x 282.6mm)
Weight (approx.)
 Product: 55.4 lb. (25.1 kg)
 Shipping: 60.4 lb. (27.4 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
 BTU/Hr. (approx.): 177 BTU/Hr.

Access Controller Position Chart for the Following Models:

Salto	Pem Mounting
CU4200, CU42E0, CU4EB8	(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)

