

T2SAK75F12 (Kit)

Access & Power Integration Solution for Salto

Altronix T2SAK75F12 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 controllers, 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.

salto 
INSPIRED ACCESS

TROVE™



T2SAK75F12

Salto boards are not included

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
 - 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
- 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 (eFlow104NB):

Input

| | |
|------------|-------------------------|
| Voltage | 120VAC, 60Hz, 4.5A max. |
| Input Fuse | 6.5A/250V |

Output

| | |
|---------|----------------|
| Voltage | 24VDC |
| Current | 10A continuous |

Power Supply/Charger 2 (eFlow102NB):

Input

| | |
|------------|-------------------------|
| Voltage | 120VAC, 60Hz, 3.5A max. |
| Input Fuse | 5A/250V |

Output

| | |
|---------|----------------|
| Voltage | 12VDC |
| Current | 10A continuous |

Both Power Supplies:

Outputs

| | |
|-----------|--|
| Auxiliary | Class 2 power-limited @ 1A (unswitched) |
| Other | Overvoltage protection. Filtered and regulated |

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 | |

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 or 71-73% for 12V units. Prevents deep battery discharge

Indicators (LED)

| | |
|-----------|-------------------|
| AC Input | 120VAC is present |
| DC Output | Powered |

Dual Input Power Distribution Module (PDS8):

Input

| | |
|-------------|--|
| Voltage | 24VDC from eFlow104NB and 12VDC from eFlow102NB |
| 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 eFlow104NB |
| 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 eFlow104NB |
| 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 |

T2SAK75F12 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

85% +/- 5%

BTU/Hr. (approx.):

177 BTU/Hr.

Access Controller Position Chart for the Following Models:

| Salto | Pem Mounting |
|------------------------|--------------|
| CU4200, CU42E0, CU4EB8 | (A) |



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
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)

