

## T3SK77724SV (Kit)

Access & Power Integration Solution for Software House



Altronix T3SK77724SV kit consists of Trove3 enclosure and TSH3 Software House/Altronix backplane with three (3) 24VDC @ 10A power supply/chargers, two (2) twelve (12) fuse protected dual output access control modules, two (2) 12VDC 6A voltage regulators and two (2) sixteen (16) fuse protected dual output power distribution modules. This kit also accommodates various combinations of Software House boards for up to twenty-four (24) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T3SK77724SV

*Software House boards are not included*

### Key Features

- 24VDC power supply/chargers
- Accommodates the following Software House controllers:  
iStar Ultra GCM and iStar Ultra ACM boards or  
iSTAR Pro GCM and iSTAR ACM SE/PRO ACM boards,  
as well as I8, R8, and I8-CSI boards
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Two (2) double knockouts  
1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
  - Thirteen (13) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty\*

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

**Specifications**

**Three (3) Power Supplies (AL1024XB2V):**

<b>Input</b>	
Voltage	220VAC (working range 198VAC-256VAC), 50/60Hz, 2.5A
Input Fuse	5A/250V
<b>Output</b>	
Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

**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	

**Supervision**

AC Failure	Form "C" contacts
Battery	Form "C" contacts

**Indicators (LED)**

Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

**Two (2) Dual Input Access Power Controllers (ACMS12):**

<b>Input</b>	
Voltage	24VDC from AL1024XB2V and 12VDC from VR6
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
<b>Individual voltage LEDs:</b>	
Green:	12VDC
Red:	24VDC

**Two (2) Voltage Regulators (VR6):**

<b>Input</b>	
Voltage	24VDC from AL1024XB2V
<b>Output</b>	
Voltage	12VDC
Current	6A continuous
Other	Surge suppression
<b>Indicators (LED)</b>	
Input	24VDC is present
Output	Powered

**Two (2) Dual Input Power Distribution Modules (PDS16):**

<b>Input</b>	
Voltage	24VDC from AL1024XB2V and 12VDC from VR6
Input Fuses	15A/32V
<b>Outputs</b>	
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
<b>Indicators (LED)</b>	
DC Output	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

**T3SK77724SV Kit:**

**Agency Listings**

CE	European Conformity
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**Physical and Environmental**

<b>Dimensions (H x W x D)</b>	
Enclosure:	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
Shipping:	40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)
<b>Weight (approx.)</b>	
Product	87.2 lb. (39.6 kg)
Shipping	100.5 lb. (45.6 kg)
<b>Temperature</b>	
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.):	327 BTU/Hr.

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

Software House	Pem Mounting
iStar Ultra GCM	(A)
iStar Pro ACM, iSTAR ACM SE	(B)
iStar Ultra ACM	(C)
I8, R8 or I8-CSI	(D)



**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**

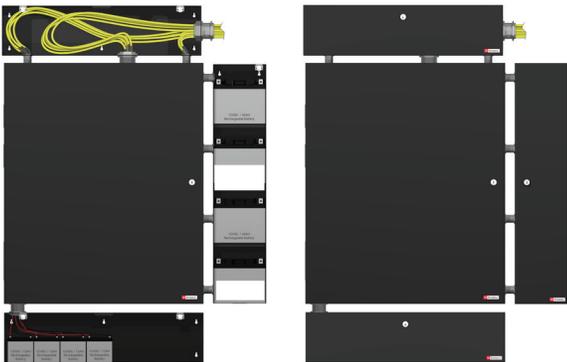
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.



*Typical battery/wiring setup with Trove3 Enclosure (not included)*

**TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure**

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets. Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

