

## T3SK777F24SD (Kit)

Access & Power Integration Solution for Software House



Altronix T3SK777F24SD kit consists of Trove3 enclosure and TSH3 Software House/ Altronix backplane with three (3) 24VDC @ 10A power supply/chargers, two (2) twelve (12) PTC protected dual output access control modules, two (2) 12VDC 6A voltage regulators and two (2) sixteen (16) PTC 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.

SOFTWARE HOUSE



T3SK777F24SD

*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
  - Low Battery and Battery Presence
  - Low power shutdown
- 16 AWG 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 (eFlow104NB):

#### Input

Voltage	120VAC, 60Hz, 4.5A max.
Input 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	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	

#### 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

### Two (2) Dual Input Access Power Controllers (ACMS12CB):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input PTCs	9A

#### Outputs

Voltage	12 or 24VDC individually selectable
Twelve (12) selectable 12VDC - 24VDC independently controlled outputs or twelve (12) indepently 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) PTC protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs 2.5A

#### Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Individual voltage LEDs:	
Green:	12VDC
Red:	24VDC

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

#### Input

Voltage	24VDC from eFlow104NB
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

#### Indicators (LED)

Input	24VDC is present
Output	Powered

### Two (2) Dual Input Power Distribution Modules (PDS16CB):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input PTCs	9A

#### Outputs

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 PTCs	2.5A

#### Indicators (LED)

DC Output	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

### T3SK777F24S DKit:

#### Agency Listings

CE	European Conformity
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#### Physical and Environmental

##### Dimensions (H x W x D)

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)

##### Weight (approx.)

Product	87.2 lb. (39.6 kg)
Shipping	100.5 lb. (45.6 kg)

##### Temperature

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

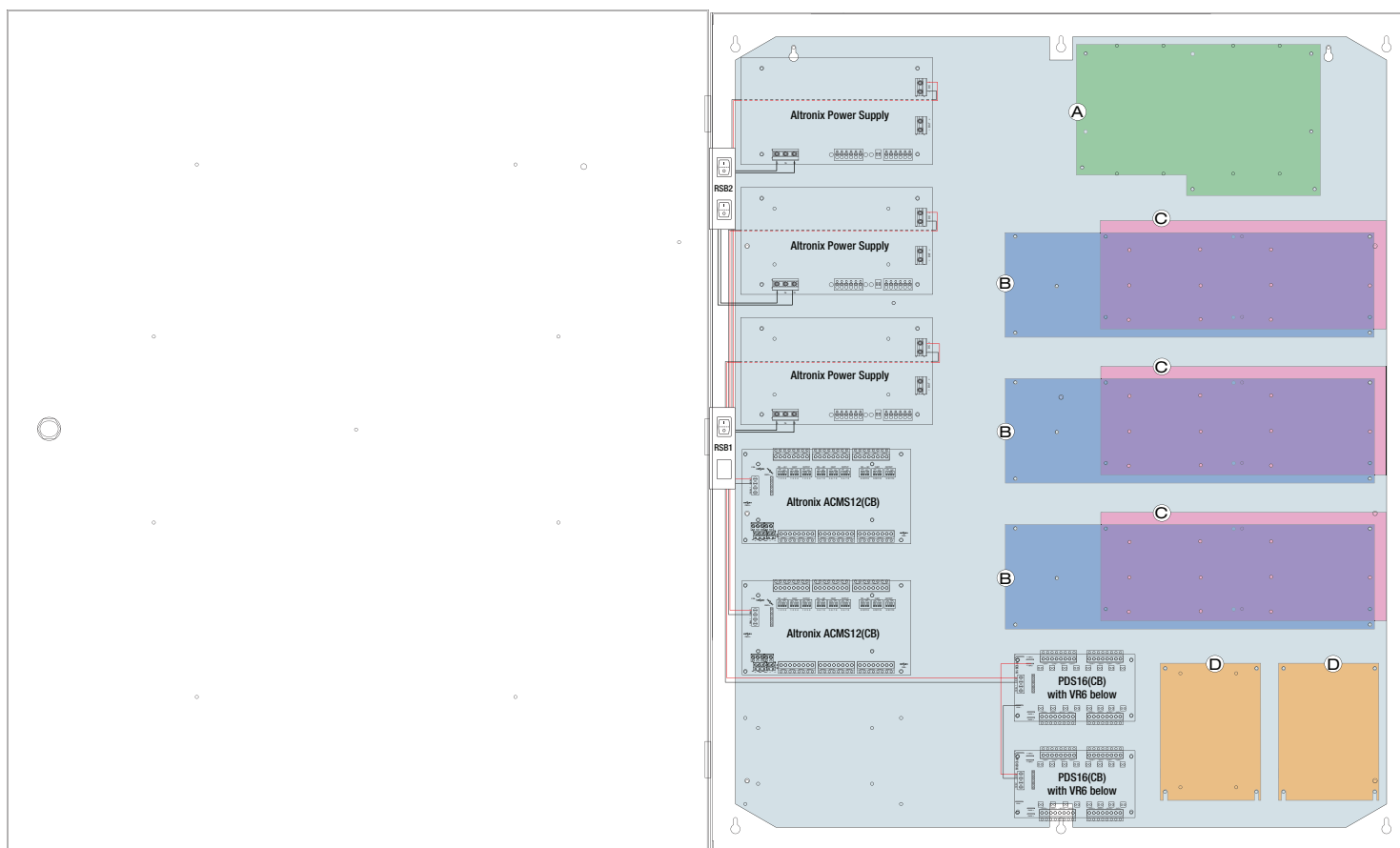
##### Relative Humidity

85% +/- 5%

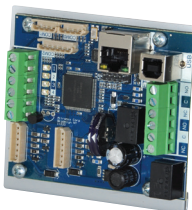
BTU/Hr (approx.): 327 BTU/Hr.

## Access Controller Position Chart for the Following Models:

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



**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**

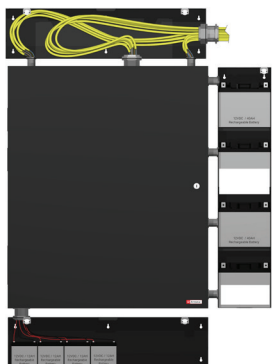
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.



**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.

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

## 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)

