

## T3SK75F16SPDQV (Kit)

Access & Power Integration Solution for Software House



Altronix T3SK75F16SPDQV kit consists of Trove3 enclosure and TSH3 Software House/ Altronix backplane with 24VDC @ 10A and 12VDC @ 10A power supply/chargers, network communication module and sixteen (16) PTC protected dual input/output power distribution module. This kit also accommodates various combinations of Software House boards for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

### SOFTWARE HOUSE



T3SK75F16SPDQV

*Software House boards are not included*

#### Key Features

- 24VDC and 12VDC power supply/chargers
- Accommodates the following Software House controllers: iStar Ultra GCM, iStar Ultra GCM G2, iStar Ultra ACM and iStar Ultra ACM G2 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
- CE European Conformity
- 16 gauge 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 1 (eFlow104NBV):**

**Input**  
 Voltage 220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A  
 Input Fuse 6.3A/250V

**Output**  
 Voltage 24VDC @ 10A  
 Auxiliary 1A (unswitched)  
 Protection Overvoltage protection. Filtered and regulated

**Power Supply 2 (eFlow102NBV):**

**Input**  
 Voltage 220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.1A  
 Input Fuse 5A/250V

**Output**  
 Voltage 12VDC @ 10A  
 Auxiliary 1A (unswitched)  
 Protection Overvoltage protection. Filtered and regulated

**Both Power Supplies:**

**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 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

**Indicators (LED)**  
 AC Input 220VAC is present  
 DC Output Powered  
 Battery Discharged or not connected

**Network Communication Module (LINQ2):**

**Status Monitoring**  
 AC status; Output current draw; Unit's temperature;  
 DC output voltage; Low Battery/Battery presence detection.  
 Input trigger state change; Output (relay and power supply) state change

**Programming**  
 Battery service date indication  
 Programmable via USB or web browser  
 Automated timed events:  
 - Control output relays and power supply via flexible timing parameter

**Reporting**  
 Programmable dashboard notifications  
 E-mail notification selectable by event  
 Event log tracks history (100+ events)

**Indicators (LED)**  
 Blue LED: Power ON

**Dual Input Power Distribution Module (PDS16CB)**

**Input**  
 Voltage 24VDC from eFlow104NBV and 12VDC from eFlow102NBV  
 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 Eight (8) individual output LEDs  
 Green: 12VDC  
 Red: 24VDC

**T3SK75F16SPDQV Kit:**

**Agency Listings**  
 CE European Conformity

**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)

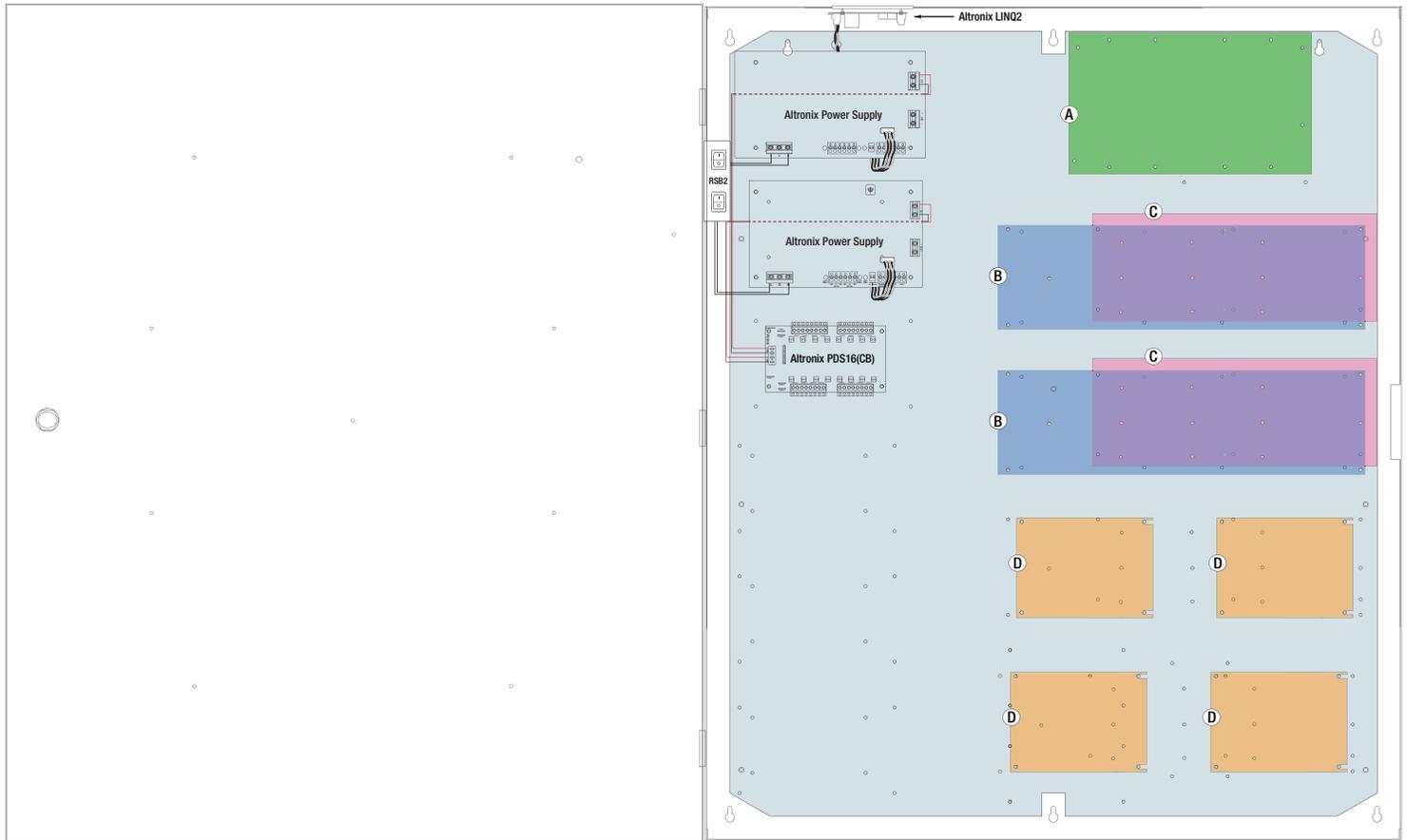
**Weight (approx.)**  
 Product 84.2 lb. (38.2 kg)  
 Shipping 97.5 lb. (44.22 kg)

**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.):** 217 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**

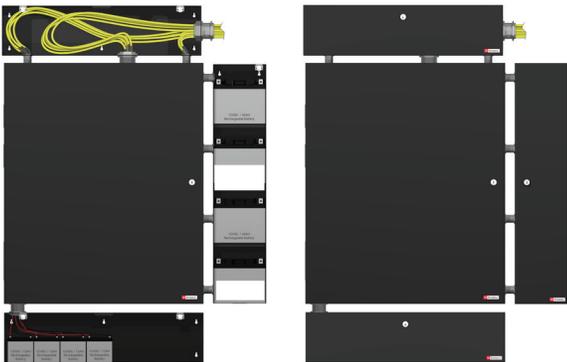
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

