

T3SK75F16SPQV (Kit)

Access & Power Integration Solution for Software House



Altronix T3SK75F16SPQV 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) fuse 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



T3SK75F16SPQV

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 (PDS16)

Input
 Voltage 24VDC from eFlow104NBV and 12VDC from eFlow102NBV
 Input Fuses 15A/32V

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 Fuses 3A/32V

Indicators (LED)
 DC Output Eight (8) individual output LEDs
 Green: 12VDC
 Red: 24VDC

T3SK75F16SPQV 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)

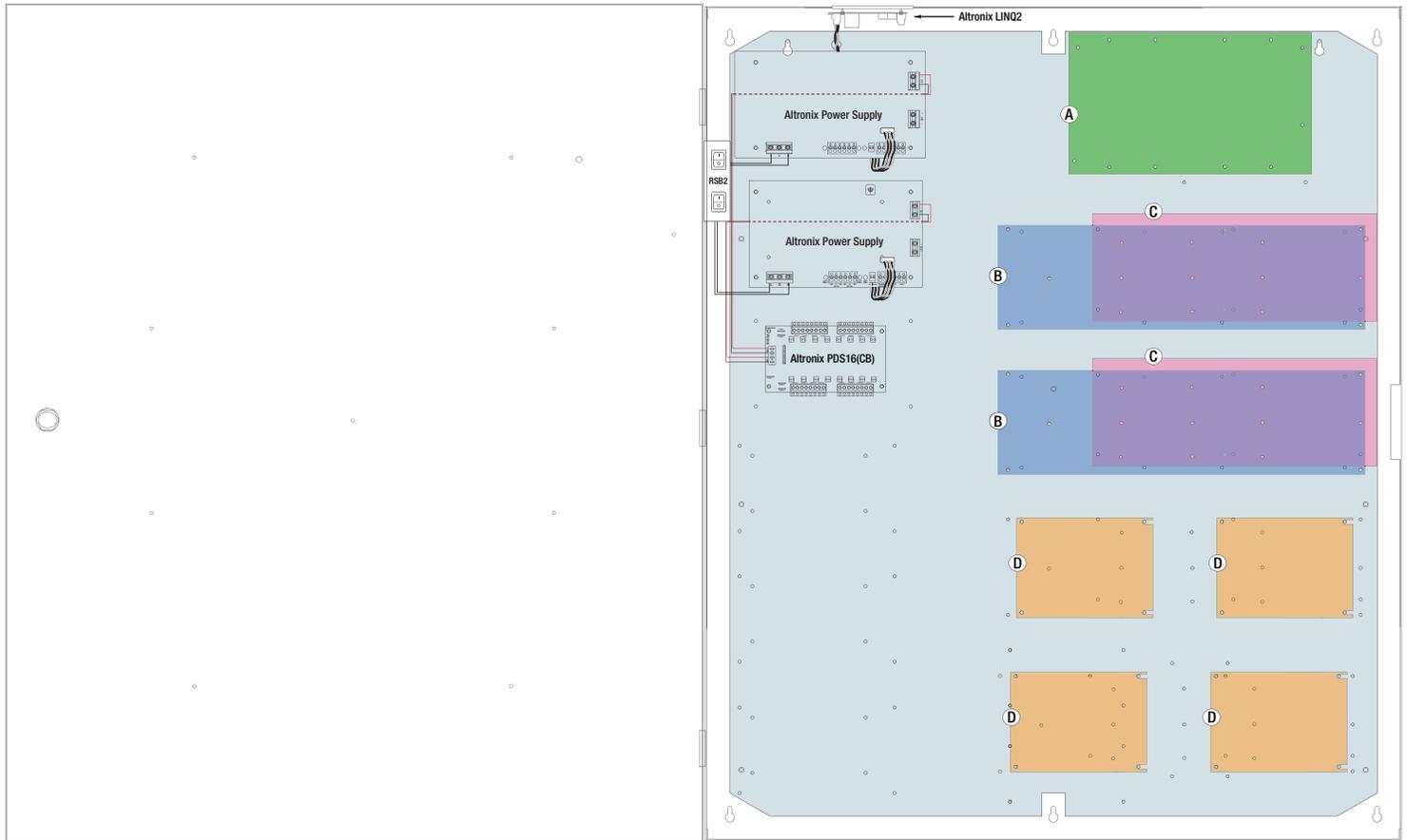
Weight (approx.)
 Product 84.2 lb. (38.2 kg)
 Shipping 97.5 lb. (44.22 kg)

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

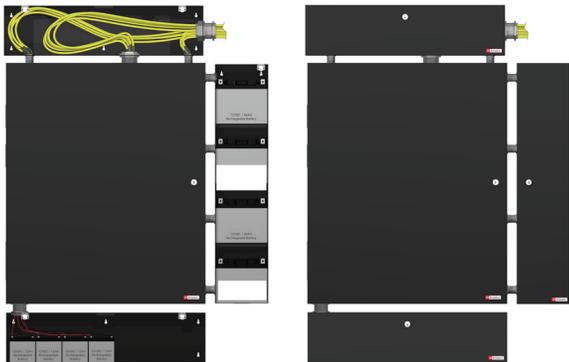
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

