

T3SK75F16PDQ (Kit)

Access & Power Integration Solution for Software House



Altronix T3SK75F16PDQ kit consists of Trove3 enclosure and TSH3 Software House/Altronix backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/chargers, two (2) eight (8) PTC protected access control modules and one (1) eight (8) PTC protected output managed 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



T3SK75F16PDQ

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
- 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

Power Supply/Charger 1 (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 4.5A
 Input Fuse 6.3A/250V

Output

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

Power Supply/Charger 2 (eFlow102NB):

Input

Voltage 120VAC, 60Hz, 3.5A
 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 120VAC is present
 DC Output Powered
 Battery Discharged or not connected

Two (2) Access Power Controllers (ACM8CB):

Input

Voltage 24VDC from eFlow104NB
 Input Fuse 10A/250V

Outputs

Voltage 24VDC
 Eight (8) 24VDC independently controlled PTC 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 PTCs 2.5A

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)
 Green LED FACP disconnect is triggered

Network Power Distribution Module (LINQ8PDCB):

Input

Voltage 12VDC from eFlow102NB
 Input Fuses 15A/32V

Outputs

PTC protected outputs
 Any of the eight (8) 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 PTCs: 2.5A

Status Monitoring

Power Supply output voltage and load, Voltage and load of each output
 FACP trigger and reset status, Unit temperature (Celsius)
 Power Supply AC and Battery status, Battery health

Reporting:

Windows Dashboard Alert messages
 E-mail notifications, Event Log tracks history

Indicators (LED)

Bat Local Charging current status
 FACP Triggered / Released
 Input Input signal
 Out1 - Out8 Output status

Programming Features:

Power Supply(ies) voltage and load limits (High/Low)
 FACP trigger type (wet or dry-NO/NC)
 Input Function (FACP reset/tamper)
 Output Reset Trigger (NO/NC)
 Battery Monitor Configuration:
 - Battery condition (Low/Normal/Missing)
 - Service Date
 Configurable Output Relay(s).
 Individual Output Configuration:
 - Device ID
 - Voltage and Current Limits (High/Low)
 - FACP Trigger Setting (latching/non-latching/inactive)
 - Battery Backup

Fire Alarm Interface:

Supervised FACP disconnect (Latching or Non-Latching)
 FACP reset (NC or NO)

T3SK75F16PDQ 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

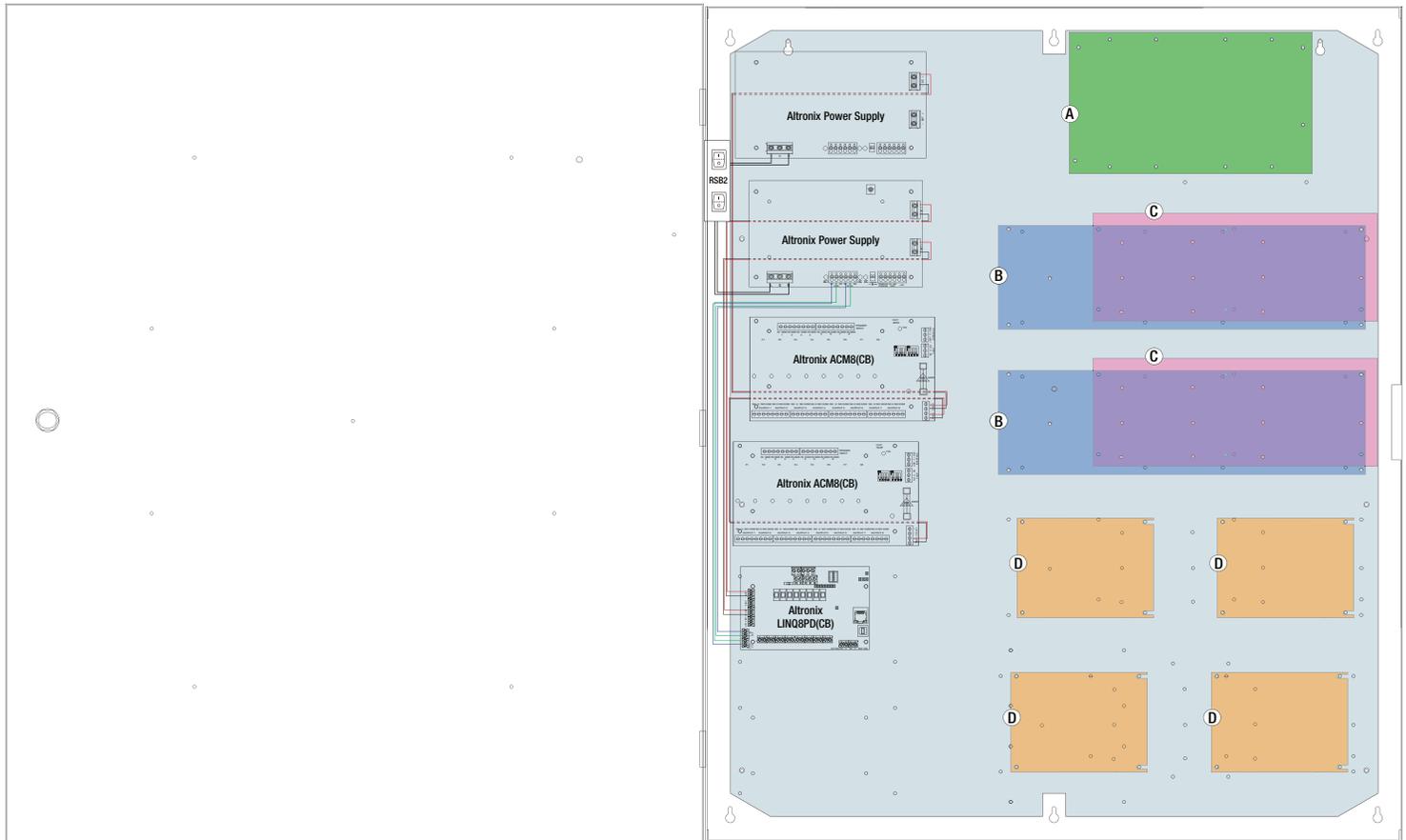
85% +/- 5%

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

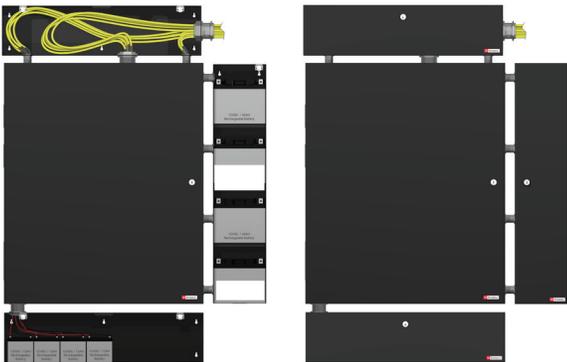
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

