

**T3SK75F8V (Kit)**

## Access &amp; Power Integration Solution for Software House

Altronix T3SK75F8V kit consists of Trove3 enclosure and TSH3 Software House/Altronix backplane with 24VDC @ 10A and 12VDC @ 10A power supply/chargers, eight (8) fuse protected output access control module and eight (8) fuse protected output power distribution module. This kit also accommodates various combinations of Software House boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

**SOFTWARE HOUSE****TROVE™**

T3SK75F8V

*Software House boards are not included***Key Features**

- 12VDC and 24VDC 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

### Power Distribution Module (PD8UL):

#### Input

Voltage 12VDC from eFlow102NBV

#### Outputs

Voltage 12VDC

Fuses 3.5A/250V

#### Indicators (LED)

Green LED DC Output

### Access Power Controller (ACM8):

#### Input

Voltage 24VDC from eFlow104NBV

Input Fuse 10A/250V

#### Outputs

Voltage 24VDC

Eight (8) 24VDC independently controlled fused 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 Fuses 3.5A/250V

#### Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

### T3SK75F8V 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

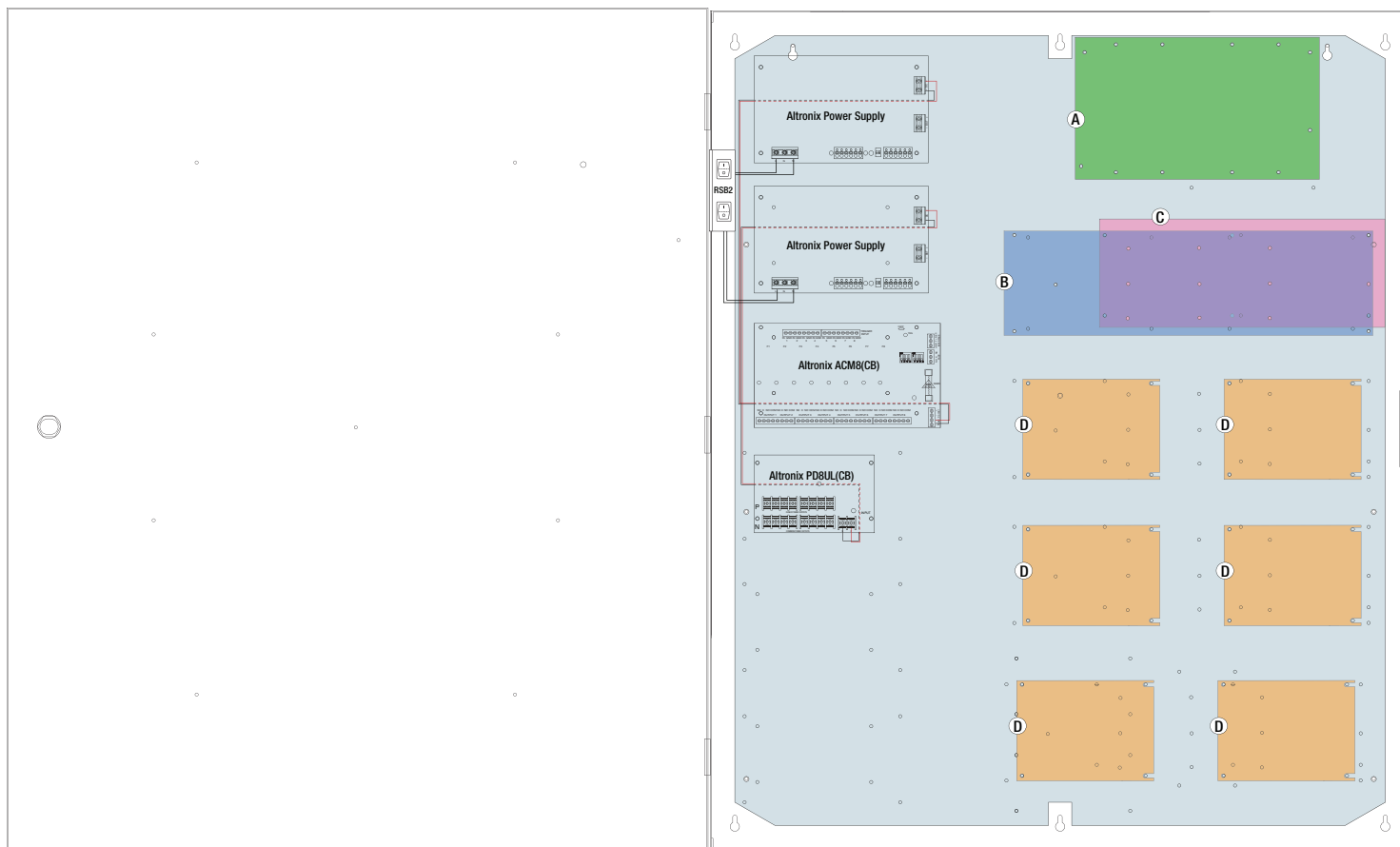
85% +/- 5%

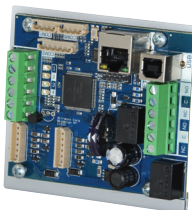
##### BTU/Hr (approx.):

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)

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**

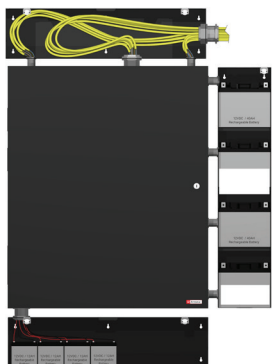
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

