

## T3SK758V (Kit)

### Access & Power Integration Solution for Software House



Altronix T3SK758V 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



T3SK758V

*Software House boards are not included*

### Key Features

- 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)
  - One (1) double knockout  
1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
  - Sixteen (16) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- CE European Conformity
- Lifetime Warranty\*

*\*Altronix Power Supply/Chargers and Sub-Assemblies only*

**Specifications**

**Power Supply 1 (AL1024XB2V):**

|               |  |
|---------------|--|
| <b>Input</b>  |  |
| Voltage       | 220VAC (working range 198VAC-256VAC),<br>50/60Hz, 2.5A |
| Input Fuse    | 5A/250V  |
| <b>Output</b> |  |
| Voltage       | 24VDC  |
| Current       | 10A @ 24VDC continuous max.                            |
| Other         | Overvoltage protection. Filtered and regulated         |

**Power Supply 2 (AL1012XB220):**

|               |  |
|---------------|--|
| <b>Input</b>  |  |
| Voltage       | 220VAC (working range 198VAC-256VAC),<br>50/60Hz, 1.3A |
| Fusing        | 5A/250V  |
| <b>Output</b> |  |
| Voltage       | 12VDC  |
| Current       | 10A @ 12VDC continuous max.                            |
| Other         | Overvoltage protection. Filtered and regulated         |

**Both Power Supplies:**

**Battery Charging**

|                               |  |
|-------------------------------|--|
| Capacity                      | 12VDC/12AH (2 within enclosure)<br>40AH/65AH (requires separate enclosure) |
| Type                          | Sealed lead acid or gel type   |
| Failover                      | Upon AC loss, instantaneous  |
| Batteries are sold separately |  |

**Supervision**

|            |                   |
|------------|-------------------|
| AC Failure | Form "C" contacts |
| Battery    | Form "C" contacts |

**Indicators (LED)**

|           |                             |
|-----------|-----------------------------|
| Input     | 220VAC is present           |
| DC Output | Powered                     |
| Battery   | Discharged or not connected |

**Power Distribution Module (PD8UL):**

|                         |                        |
|-------------------------|------------------------|
| <b>Input</b>            |                        |
| Voltage                 | 12VDC from AL1012XB220 |
| <b>Outputs</b>          |                        |
| Voltage                 | 12VDC                  |
| Fuses                   | 3.5A/250V              |
| <b>Indicators (LED)</b> |                        |
| Green LED               | DC Output              |

**Access Power Controller (ACM8):**

|   |  |
|---|--|
| <b>Input</b>  |  |
| Voltage   | 24VDC from AL1024XB2V                    |
| Input Fuse  | 10A/250V                                 |
| <b>Outputs</b>  |  |
| 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                                |
| <b>Indicators (LED)</b>                                 |  |
| Red LEDs  | Outputs are triggered (relays energized) |
| Green LED   | FACP disconnect is triggered             |

**T3SK758V 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**

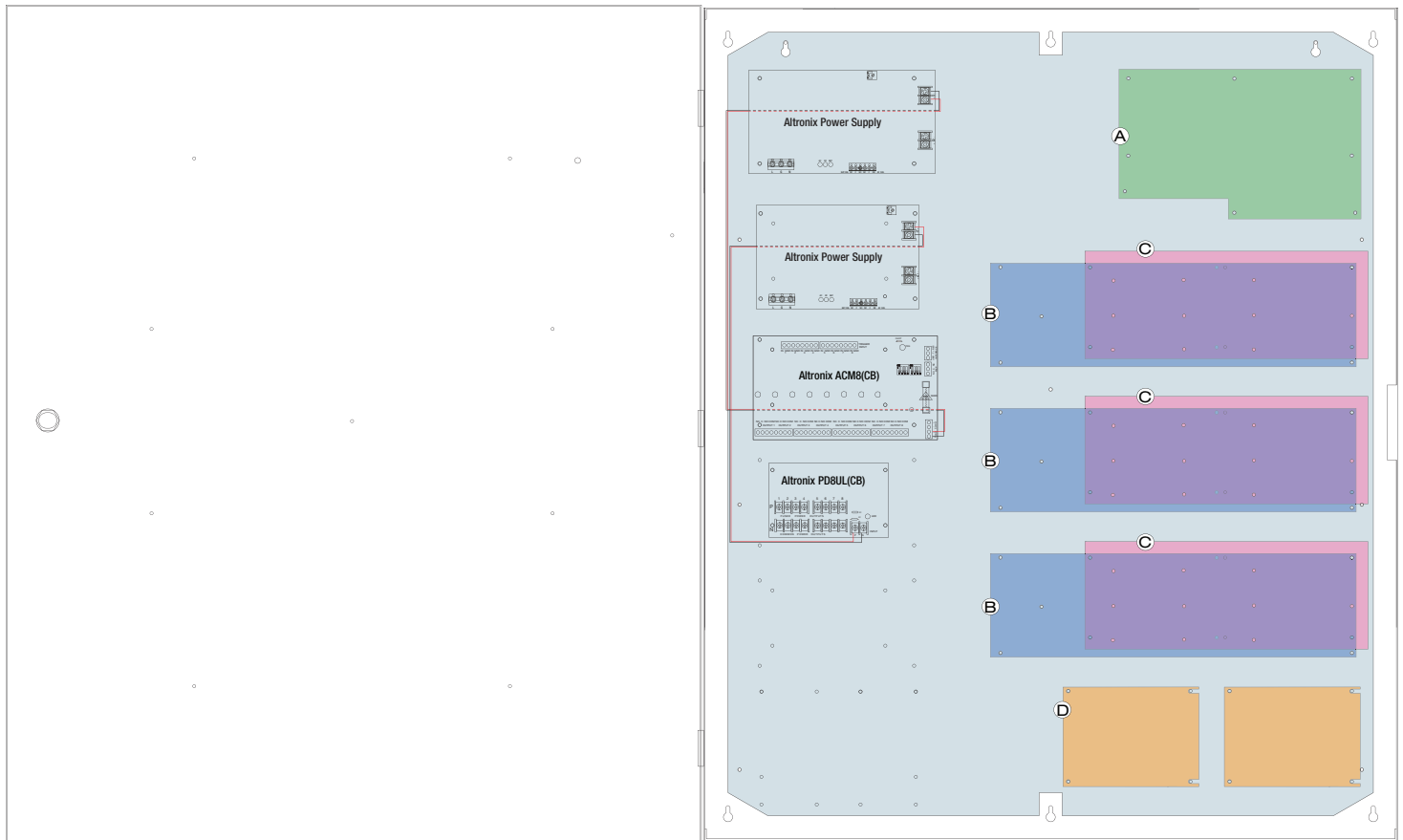
85% +/- 5%

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

217 BTU/Hr.

**Access Controller Position Chart for the Following Models:**

| Software House              | Pem Mounting |
|-----------------------------|--------------|
| iStar 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)



WM5

**WM5, WM25, WM100 - Magnetic Cable Tie Mounts**

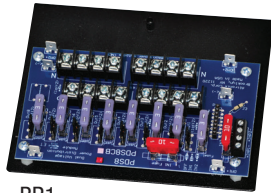
Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.



Mounting Magnet

**MM4, MM8, MM12, MM24 - Magnetic Mounting Solution**

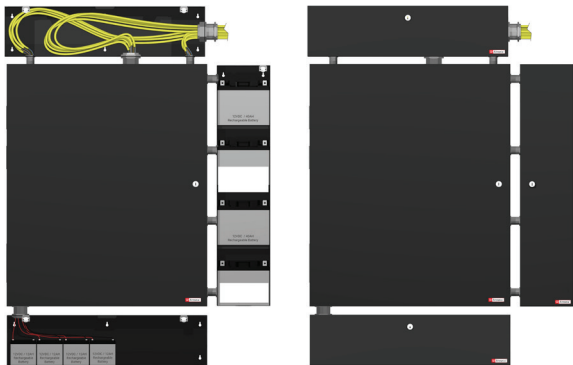
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

