

## T3SH777XK1D (Pre-wired Kit)

### Access and Power Integration Solution for Software House



Altronix T3SH777XK1D is a 24-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Software House hardware. This unit provides ample power and dual voltage outputs to support Software House platform controllers and locking devices. The T3SH777XK1D accommodates up to one (1) iStar Ultra GCM/GCM G2 Controller and three (3) iStar Ultra ACM. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

SOFTWARE HOUSE



T3SH777XK1D - includes 3 - eFlow104NB, 3 - ACMS8CB and 2 - PDS16CB with finger duct and wire harnesses for iStar Ultra GCM/iStar Ultra GCM G2 and 3 - iStar Ultra ACM

*Software House boards are not included*

### Key Features

- Accommodates the following Software House controllers:
  - 1 - iStar Ultra GCM/ iStar Ultra GCM G2 and 3 - iStar Ultra ACM
- Unit includes:
  - Removable backplane
  - 2" high finger duct for wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 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 AWG 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

### Three (3) Power Supply/Charger (eFlow104NB):

#### Input

Voltage	120VAC, 60Hz, 13.5A
Input Fuse	6.3A/250V

#### Output

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

### Battery Charging

Capacity	12VDC/12AH (2 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

### Three (3) Dual Input Access Power Controllers (ACMS8CB):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input PTCs	9A

#### Outputs

Voltage	12 or 24VDC individually selectable
Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:	
a)	Fail-Safe and/or Fail-Secure power outputs
b)	Form "C" Relays. 28VAC or VDC @ 2.5A Rated
c)	Auxiliary power outputs (unswitched)
d)	Any combination of the above

Any of the eight (8) PTC 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
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### Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Individual voltage LEDs:	
Green:	12VDC
Red:	24VDC

### Two (2) Dual Input Power Distribution Modules (PDS16CB):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
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	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

### Three (3) Voltage Regulators (VR6):

#### Input

Voltage	24VDC from eFlow104NB
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### T3SH777XK1D Kit:

#### Agency Listings

CE	European Conformity
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### 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:	98.3 lb. (44.59 kg)
Shipping:	111.5 lb. (50.58 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

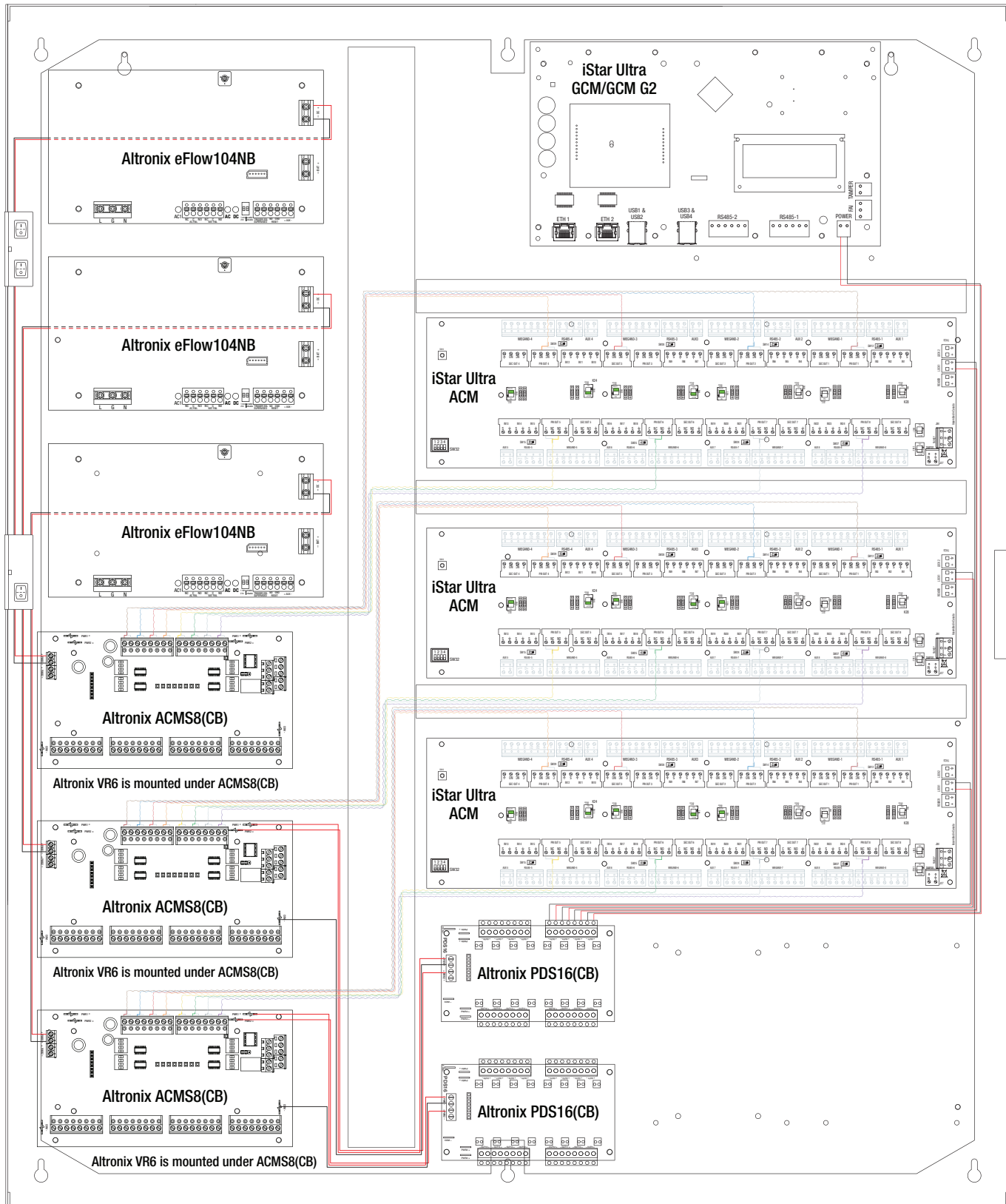
85% +/- 5%
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#### BTU/Hr. (approx.):

289 BTU/Hr.
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**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)

