

## T3G XK77F16S (Kit)

Access & Power Integration Solution for Galaxy

# TROVE™

Altronix T3G XK77F16S kit consists of Trove3 enclosure, TCV3 CDVI/Altronix backplane with two (2) 24VDC @ 10A power supply/charger, two (2) eight (8) fuse protected dual input/output access control modules, two (2) 12VDC voltage regulators and two (2) eight (8) fuse protected dual input/output power distribution modules. This kit also accommodates one (1) 635 CPU, one (1) 635 DSI and eight (8) 635 DRM for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T3G XK77F16S

*Galaxy boards are not included*

### Key Features

- Two (2) 24VDC power supply/charger
- Accommodates one (1) 635 CPU and four (4) 635 DRM
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 16-gauge galvanized steel backplane simplifies board layout and wire management
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
  - UL: UL294 - Access Control System
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Lifetime Warranty\*

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

## Specifications

### Two (2) Power Supply/Chargers (eFlow104NB):

#### Input

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.5A/250V

#### Outputs

Voltage	24VDC
Current	10A continuous
Auxiliary	Class 2 power-limited @ 1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

#### Battery Charging

Capacity	12AH/12VDC (4 within enclosure) 40AH/65AH (requires separate enclosure)
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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 70-75% for 24V units. Prevents deep battery discharge

#### Indicators (LED)

Input	120VAC is present
DC Output	Powered

### Two (2) Dual Input Access Power Controllers (ACMS8):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input Fuses	15A/32V

#### 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) 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 Fuses	3A/32V
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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) 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

### Two (2) Dual Input Power Distribution Modules (PDS8):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input Fuses	10A/32V

#### Outputs

Voltage	12VDC and/or 24VDC
Any of the eight (8) 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

### T3G XK77F16S Kit:

#### Agency Listings

All components of this Trove kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information

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	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

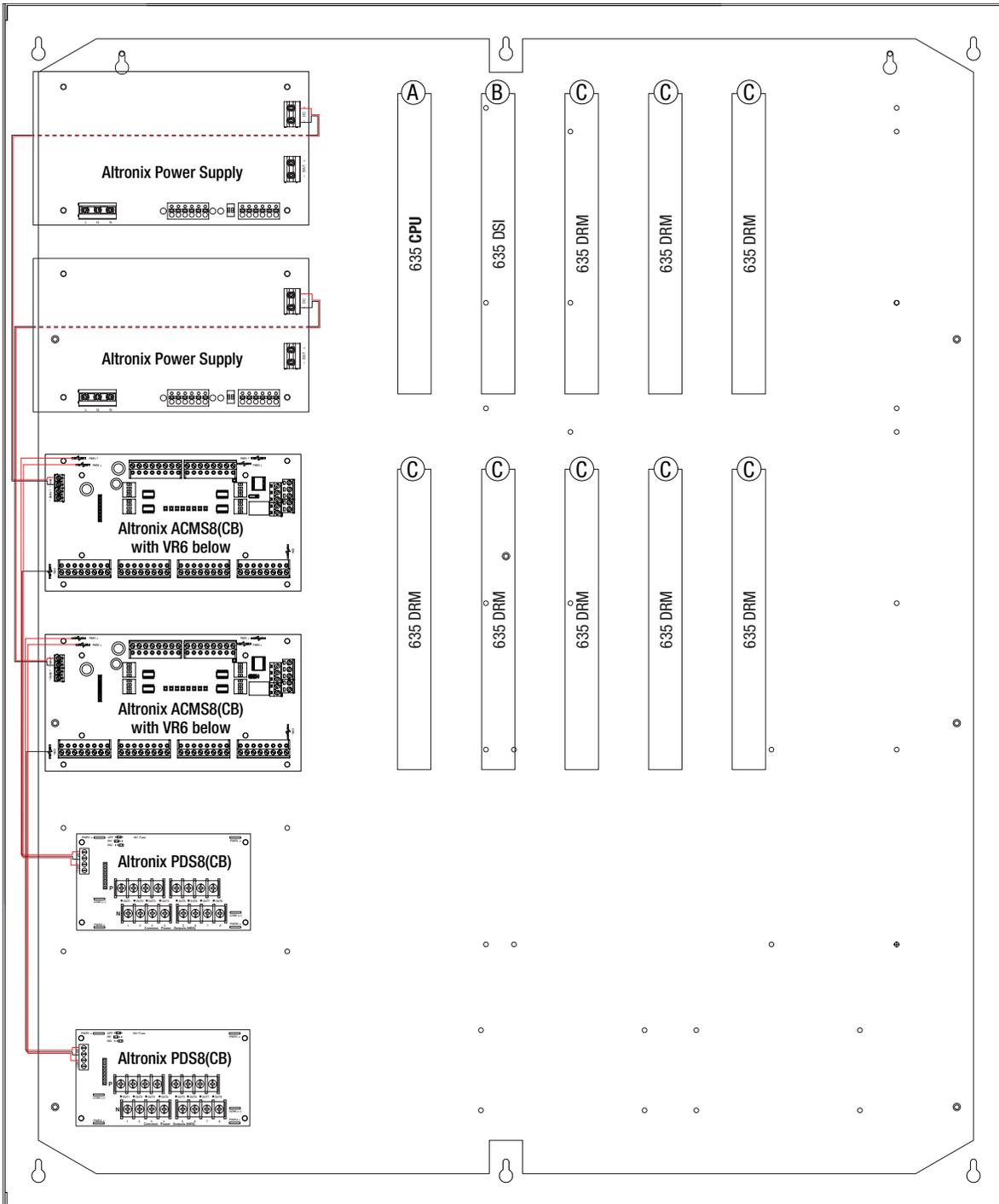
	85% +/- 5%.
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##### BTU/Hr (approx.):

	246 BTU/Hr.
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**Access Controller Position Chart for the Following Models:**

Altronix/Galaxy	Mounting
635 CPU	(A)
635 DSI	(B)
635 DRM	(C)



**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**

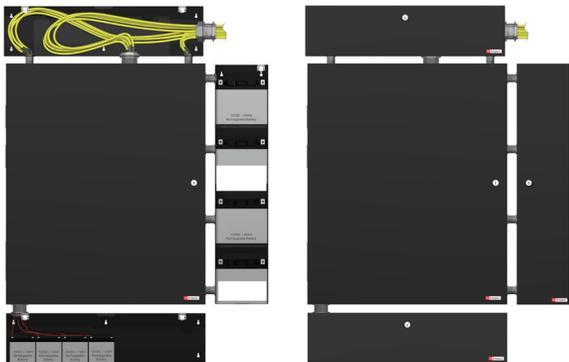
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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)

