

#### Description

Altronix T2KSK3F8 kit consists of Trove2 enclosure, TKS2 Keri Systems/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) dual output fused access power controller, one (1) voltage regulator and one (1) dual input fused power distribution module.

This kit also accommodate various combinations of Keri Systems boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2KSK3F8

#### Key Features

- 24VDC power supply/charger.
- Accommodates up to four (4) Keri Systems NXT-2D-MSCNE, NXT-4D-MSCNE or up to three (3) NXT-4X4NE boards.
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" 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.
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Agency Listings:
  - UL: UL294 - Access Control System.
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems.
  - CE European Conformity.
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Lifetime Warranty\*/Made in the U.S.A.

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

#### 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.

## Specifications

**Power Supply (eFlow6NB):****Input**

Voltage	120VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V.

**Outputs**

Voltage	Factory set at 24VDC.
Current	6A continuous.
Auxiliary	Class 2 power-limited @ 1A (unswitched).
Other	Overvoltage protection. Filtered and regulated.

**Battery Backup (not included)**

Type	Sealed lead acid or gel type.
Fuse Rating	10A/32VDC.
Failover	Upon AC loss, instantaneous.

**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.
Battery	Discharged or not connected.

**Dual Input Access Power Controller (ACMS8):****Input**

Voltage	24VDC from eFlow6NB and 12VDC from VR6.
Input Fuse	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/32VDC.
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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.

**Dual Input Power Distribution Module (PDS8):****Input**

Voltage	24VDC from eFlow6NB and 12VDC from VR6.
Input Fuse	10A/32V.

**Outputs**

Voltage	12 or 24VDC individually selectable.
Output Fuses	3A/32VDC.

**Indicators (LED)**

DC Output	Eight (8) individual output LEDs.
Green:	12VDC
Red:	24VDC.

**Voltage Regulator (VR6):****Input**

Voltage	24VDC from eFlow6NB.
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**Output**

Voltage	12VDC.
Current	6A continuous.
Other	Surge suppression.

**Indicators (LED)**

Input	24VDC is present.
Output	Powered.

**T2KSK3F8 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)**

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).

**Weight (approx.)**

Product	54.3 lb. (24.6 kg).
Shipping	59.3 lb. (26.9 kg).

**Temperature**

Operating	0°C to 50°C (32°F to 122°F).
Storage	-20°C to 70°C (-4°F to 158°F).

Relative Humidity	85% +/-5%.
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BTU/Hr (approx.):	115 BTU/Hr.
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T2KSK3F8

Access & Power Integration Solution



Access Controller Position Chart for the Following Models:

Keri Systems	Pem Mounting
NXT-2D-MSCNE, NXT-4D-MSCNE (with optional NXT-RM3 and/or NXT-WI)	(A)
NXT-4x4NE	(B)



