Trove / Software House Kits (PTC)
Access & Power Integration Solution

T2SK7F8D

Description

Altronix Trove Software House kits are pre-assembled and consist of Trove enclosure and backplane with factory installed Altronix power supply/charger(s) and sub-assemblies. These kits also accommodate various combinations of Software House boards for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

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.
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Filtered and electronically regulated outputs.
- Thermal and short circuit protection with auto reset.
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Built-in charger(s) for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- AC input and DC output LED indicators.
- 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*

Trove Software House Kit Components Reference Chart

Altronix Model Number	Maximum Number of Doors Accommodated	Power Supplies		Access Power Controllers	Voltage Regulator	Dual Input Power Distribution Module	Power Distribution Module	Rocker Switch
		Power Supply 1	Power Supply 2					
T2SK7F8D	8	eFlow104NB	----	ACM8CB	VR6	PDS8CB	----	1
T3SK75F8D		eFlow104NB	eFlow102NB		----	----	PD8ULCB	2
T3SK75F16D	16			Two (2) ACM8CB				

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Trove Software House Kit Configuration Reference Chart

Altronix Model Number	Nominal DC Output Voltage Options								Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8CB Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure Auto-Resettable Outputs	120VAC, 60Hz Input Current (A)	Current Per ACM8CB Output (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	ACM8CB Board Input Fuse Rating	ACM8CB Board Output PTC Rating	PDS8CB Board Input Fuse Rating	PDS8CB Board Output PTC Rating
	Power Supply 1				Power Supply 2													
	[DC]		[AUX]		[DC]		[AUX]											
	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)										
T2SK7F8D	—	20.17-26.4	—	20.17-26.4	—				24VDC @ 9.2A	8	4.5	2.0	6.3A/250V	15A/32V	10A/250V	2.0A	10A/250V	2A
T3SK75F8D		20.19-26.4		20.19-26.4	10.0-13.2	—	10.03-13.2	—		8.0			6.3A/250V (eFlow104NB)				—	—
T3SK75F16D										16			5A/250V (eFlow102NB)					

Specifications

Input

- **Voltage:** 120VAC, 60Hz.
- **Fusing:** Varies, see Configuration Reference Chart.

Outputs

- **Voltage:** 24VDC, or 24VDC and 12VDC, see Configuration Reference Chart.
- **Current:** Varies, see Configuration Reference Chart.
- **Other:** Overvoltage protection. Filtered and regulated.

Back-up Battery *(not included)*

- **Capacity:** 12AH / 12VDC (Up to 4 within enclosure). 40 AH / 65 AH (requires separate enclosure).
- **Type:** Sealed lead acid or gel type.
- **Fuse Rating:** 15A/32V.
- **Failover:** Upon AC loss, instantaneous.

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)

- **Input:** 120VAC is present.
- **DC Output:** Powered.
- **Battery:** Discharged or not connected.

Physical and Environmental

- **Dimensions (H x W x D)**
  - T2SK7F8D: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).
  - T3SK75F8D and T3SK75F16D: 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).
- **Weight (approx.)**

Model	Product Weight	Shipping Weight
T2SK7F8D	40.1 lbs. (18.19 kg)	43.85 lbs. (19.9 kg)
T3SK75F8D	74.8 lb. (33.93 kg)	79.3 lb. (36.0 kg)
T3SK75F16D	75.5 lb. (34.25 kg)	80 lb. (36.29 kg)

- **Temperature**
  - Operating: 0ºC to 49ºC (32ºF to 120ºF).
  - Storage: -20ºC to 70ºC (-4ºF to 158ºF).
- **Relative Humidity:** 85% +/-5%.
- **BTU/Hr (approx.):**

Model	BTU
T2SK7F8D	113
T3SK75F8D, T3SK75F16D	177

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