

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

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.



T2SK7F8

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					
T2SK7F8	8	eFlow104NB	---	ACM8	VR6	PDS8	---	1
T3SK75F8		eFlow104NB	eFlow102NB		---	---	---	PD8UL
T3SK75F16	16			Two (2) ACM8				

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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 ACM8 Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	120VAC, 60Hz Input Current (A)	Current Per ACM8 Output (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse 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)										
T2SK7F8	—	20.17-26.4	—	20.17-26.4	—				24VDC @ 9.2A	8	4.5	2.5	6.3A/250V	15A/32V	10A/250V	2.5A/250V	10A/250V	3A/250V
T3SK75F8	—	20.19-26.4	—	20.19-26.4	10.0-13.2	—	10.03-13.2	—										
T3SK75F16	—	20.19-26.4	—	20.19-26.4	10.0-13.2	—	10.03-13.2	—										

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)
T2SK7F8:
27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).
T3SK75F8 and T3SK75F16:
36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).

Weight (approx.)

Model	Product Weight	Shipping Weight
T2SK7F8	40.1 lbs. (18.19 kg)	43.85 lbs. (19.9 kg)
T3SK75F8	74.8 lb. (33.93 kg)	79.3 lb. (36.0 kg)
T3SK75F16	75.5 lb. (34.25 kg)	80 lb. (36.29 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.):

Model	BTU
T2SK7F8	113
T3SK75F8, T3SK75F16	177