TROVE™

A1 SECURITY CAMERAS
The First Name in Security

Altronix®

Trove / Keyscan Kits
Access & Power Integration Solution

T2KK3F8

Description

Altronix Trove Keyscan kits are pre-assembled and consist of Trove2KA2 enclosure/ backplane with factory installed Altronix power supply/charger, transformer, and sub-assemblies. These kits also accommodate various combinations of Keyscan boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

Key Features

- Accommodates the following Keyscan controllers: either CA250B, CA4500B or CA8500B, up to two (2) OCB8, and one (1) of each DPS15 and CIM.
- Convenient knockout configuration:
  - Single 2" diameter knockout located top center of enclosure
  - Sixteen (16) double knockouts (1" and 0.75").
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Filtered and electronically regulated outputs.
- Thermal and short circuit protection with auto reset.
- AC input and DC output LED indicators.
- 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.
- 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*

Trove Keyscan Kit Components Reference Chart

Altronix Model Number	Maximum Number of Doors Accommodated	Power Supply	Network Communications Module	Access Power Controllers	Transformer
T2KK3F8	8	eFlow6NB	–	ACM8	T16100
T2KK3F8Q			LINQ2		
T2KK3F8D			–	ACM8CB	
T2KK3F8DQ			LINQ2		

Available from A1 Security Cameras
www.a1securitycameras.com email: sales@a1securitycameras.com

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Trove Keyscan Kit Configuration Reference Chart

Altronix Model Number	Nominal DC Output Voltage [DC] 24VDC Output Range (V)	Nominal DC Output Voltage [Aux] 24VDC Output Range (V)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8/ACM8CB Access Power Controller's outputs (A)	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Fail-Safe/ Fail-Secure Outputs (auto-resettable)	Current Per ACM8 Output (A)	Current Per ACM8CB Output (A)	ACM8/ACM8CB Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACM8CB Board Output PTC Rating
T2KK3F8	20.19-26.4	20.19-26.4	24VDC @ 5.8A	8	–	2.5	–	10A/ 250V	2.5A	–
T2KK3F8Q										
T2KK3F8D	20.17-26.4	20.28-26.4		–	8	–	2.0		–	2A
T2KK3F8DQ										

Specifications

Input

Voltage	120VAC, 3.5A, 60Hz.
Fusing	5A/250V.

Outputs

Voltage	24VDC, see Configuration Reference Chart.
Current	5.8A max.
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	10A/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.

Agency Listings

CE	European Conformity.

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.)

Model	Product Weight	Shipping Weight
T2KK3F8	40.9 lb. (18.55 kg)	46.9 lb. (21.27 kg)
T2KK3F8Q	41.3 lb. (18.73 kg)	47.3 lb. (21.45 kg)
T2KK3F8D	40.9 lb. (18.55 kg)	46.9 lb. (21.27 kg)
T2KK3F8DQ	41.3 lb. (18.73 kg)	47.3 lb. (21.45 kg)

Temperature

Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
Relative Humidity	85% +/-5%.
BTU/Hr (approx.):	111 BTU/Hr.

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