

#### Description

Altronix T1KE3F8 kit consists of Trove1 enclosure and TLU1 Altronix & Kisi backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger and two (2) four (4) fuse protected output access control module. This kit also accommodates various combinations of Kisi boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1KE3F8



#### Key Features

- Accommodates up to two (2) Kisi Pro Controllers.
- Includes ten (10) mounting magnets for Kisi Pro Controller.
- Convenient knockout configuration:
  - One (1) double knockout  
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit).
  - Nine (9) 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
- Supervision (*cont'd*)
  - Low Battery and Battery Presence
  - Low power shutdown.
- 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.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Lifetime Warranty\*.

*\*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.



**T1KE3F8**

## Access & Power Integration Solution



### Specifications

#### Power Supply (eFlow6NB):

##### Input

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

##### Output

Voltage	24VDC.
Current	6A continuous.
Other	Overvoltage protection. Filtered and regulated.

#### Battery Backup

Capacity	7AH / 12VDC (Up to 2 within enclosure). 40 AH / 65 AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	10A/32V.
Falover	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 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.

#### Two (2) Access Power Controller (ACM4):

##### Input

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

##### Outputs

Voltage	24VDC.
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#### Two (2) Access Power Controller (ACM4) (cont'd):

Four (4) independently controlled 2.5A outputs:  
a) Four (4) Fail-Safe and/or Fail-Secure power outputs.  
b) Four (4) dry form "C" 5A rated relay outputs.  
c) Any combination of the above.  
Four (4) auxiliary power outputs (unswitched).

#### Outputs Ratings

Fuses	3A/32VDC.
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#### Indicators (LED)

Red LEDs	Outputs are triggered (relays energized).
Green LED	FACP disconnect is triggered.

#### T1KE3F8 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)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm).

##### Weight (approx.)

Product	17.23 lbs. (7.82 kg)
Shipping	21.23 lbs. (9.53 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.):	87 BTU/Hr.
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Kisi	Pem Mounting
Pro Controller	(A)



