

# T1SFK3F8S

## Access & Power Integration Solution

### Description

Altronix T1SFK3F8S kit consists of Trove1 enclosure, TSF1 Altronix/Swiftlane Controls backplane with one (1) 12VDC or 24VDC @ 6A power supply/charger 12VDC voltage regulator, eight (8) fuse protected output dual voltage power distribution module. This kit also accommodates one (1) Swiftlane Controls Door Controller 5 (SL-DCU-5) board. Trove simplifies board layout and wire management, reduces installation time and labor costs.



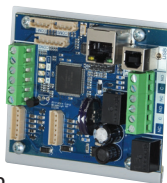
*Swiftlane boards sold separately.*

### Key Features

- 12VDC or 24VDC power supply/charger.
- Accommodates one (1) Swiftlane Controls Door Controller 5 (SL-DCU-5) board.
- 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
  - 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\* / 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.

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### 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.
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 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.

#### Dual Input Power Distribution Module (PDS8)

##### Input

Voltage	12VDC from VR6 and 24VDC from eFlow4NB.
Input Fuse	10A/32V.

##### Outputs

Voltage 12VDC and/or 24VDC.  
Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2.  
Individual outputs may be set to OFF position for servicing.

#### Outputs Ratings

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

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

#### Voltage Regulator (VR6):

##### Input

Voltage	24VDC from eFlow4NB.
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##### Output

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

#### Indicators (LED)

Input	24VDC is present.
Output	Powered.

#### T1SFK3F8S 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	15.5 lb. (7.0 kg).
Shipping	19.5 lb. (8.9 kg).

##### Temperature

Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F).

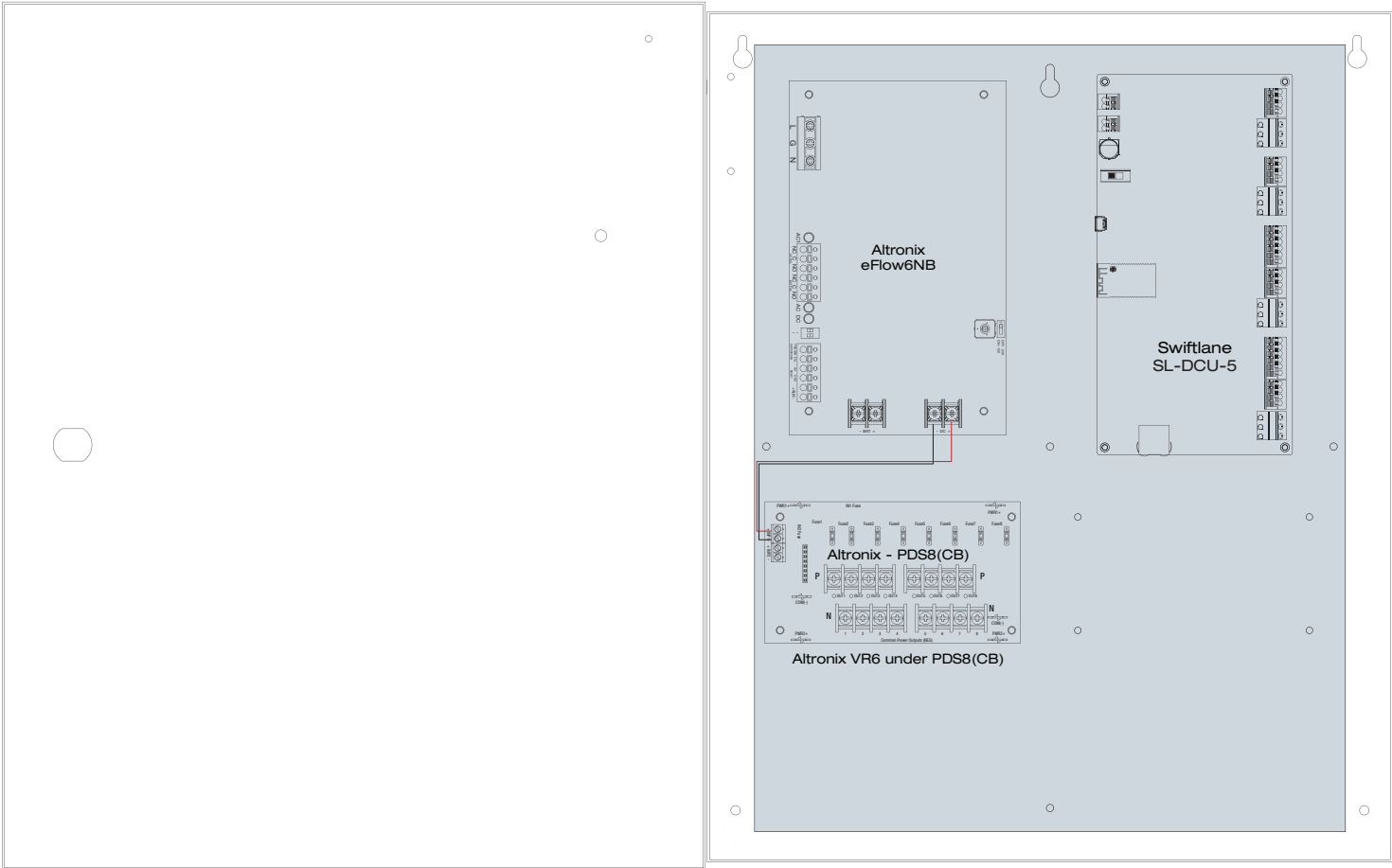
Relative Humidity	85% +/-5%.
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##### BTU/Hr (approx.):

12VDC:	40 BTU/Hr.
24VDC:	77 BTU/Hr.

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**Access Controller Position Chart for Swiftlane Controls Door Controller 5 (SL-DCU-5):**





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T1SFK3F8S

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