

T1SFK3F4D

Access & Power Integration Solution

Description

Altronix T1SFK3F4D kit consists of Trove1 enclosure, TSF1 Altronix/Swiftlane Controls backplane with one (1) 12VDC or 24VDC @ 6A power supply/charger and one (1) PTC access power controller. 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.



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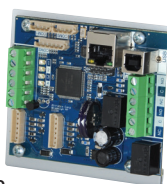
Swiftlane boards sold separately.

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. |

Access Power Controller (ACM4CB):

Input

| | |
|------------|-------------------------------|
| Voltage | 12VDC or 24VDC from eFlow6NB. |
| Input Fuse | 10A/32V. |

Outputs

| | |
|---|--------|
| Voltage | 24VDC. |
| Four (4) independently controlled 2.0A outputs: | |
| a) Four (4) Fail-Safe and/or Fail-Secure power outputs. | |
| c) Any combination of the above. | |
| Four (4) auxiliary power outputs (unswitched). | |

| | |
|-------------|-------|
| Output PTCs | 2.5V. |
|-------------|-------|

Indicators (LED)

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

T1SFK3F4D 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. |
|----|----------------------|

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). |

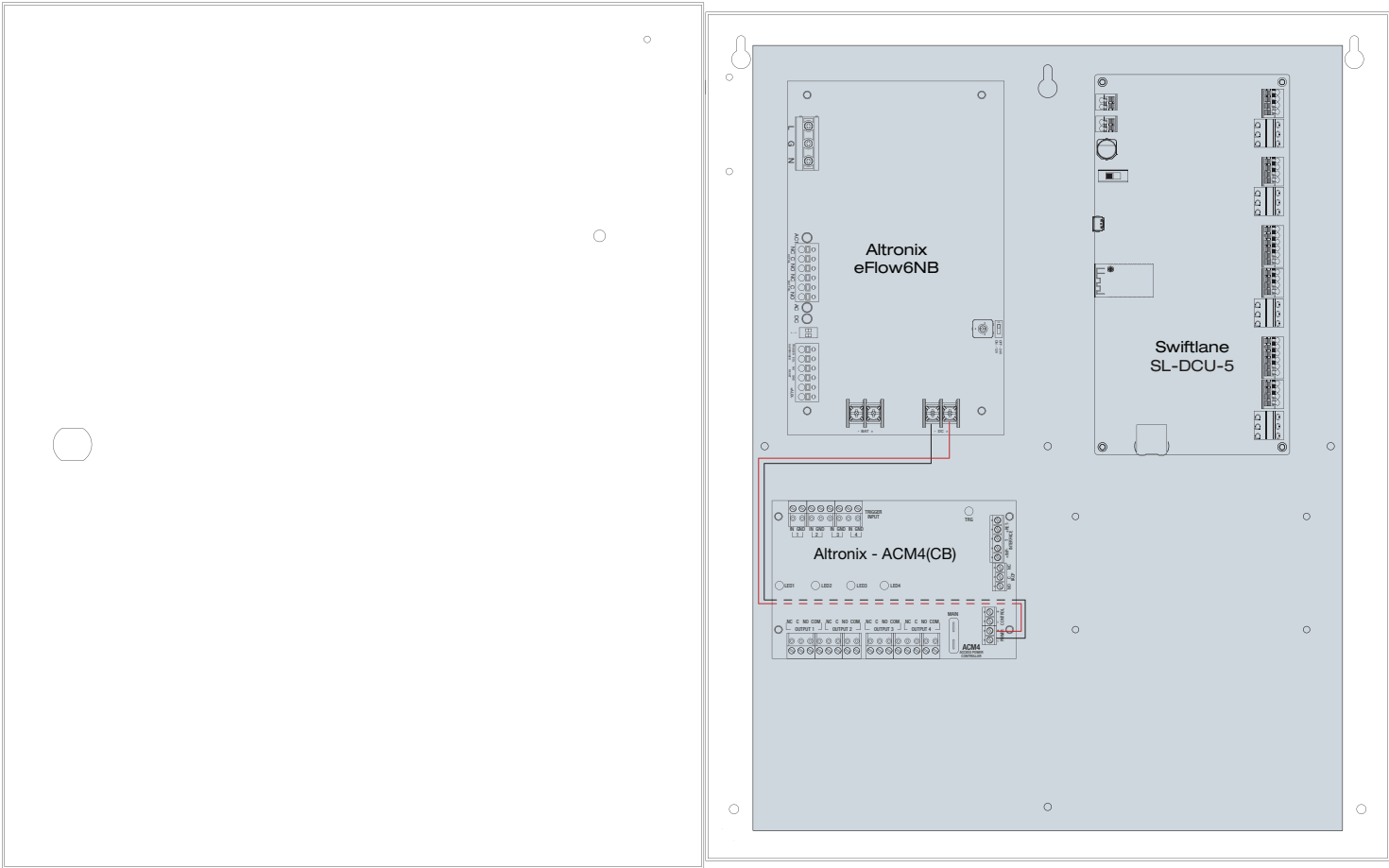
| | |
|-------------------|------------|
| Relative Humidity | 85% +/-5%. |
|-------------------|------------|

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):





SWIFTLANE

T1SFK3F4D

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Altronix

TRQVE™

