

# T2SFK7F12D

## Access & Power Integration Solution

### Description

Altronix T2SFK7F12D kit consists of Trove2 enclosure, TSF2 Swiftlane/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 5-port switch and two (1) 8-dual output PTC power distribution modules and one (1) voltage regulator. This kit also accommodates up to three (3) Swiftlane Controls Door Controller 5 (SL-DCU-5) board. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2SFK7F12D

*Swiftlane boards sold separately.*

### Key Features

- 12VDC or 24VDC power supply/charger.
- Accommodates up to three (3) Swiftlane Controls Door Controller 5 (SL-DCU-5) boards.
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit).
  - Sixteen (16) 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/12AH 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.

**Specifications**
**Power Supply (eFlow104NB):**
**Input**

Voltage	120VAC, 60Hz 4.5A.
Input Fuse	6.3A/250V.

**Output**

Voltage	24VDC @ 10A.
Auxiliary	1A (unswitched).
Protection	Overvoltage protection. Filtered and regulated.

**Battery Backup (not included)**

Type	Sealed lead acid or gel type.
Fuse Rating	10A/32VDC.
Failover	Upon AC loss, instantaneous.

**Fire Alarm Disconnect**

Supervised	Latching or non-latching.
EOL	10K Resistor.

**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. Prevents deep battery discharge.

**Indicators (LED)**

AC Input	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

**Dual Input Power Distribution Module (PDS8CB):**
**Input**

Voltage	12VDC from VR6 and 24VDC from eFlow104NB.
Input PTC	9A.

**Outputs**

Voltage	12VDC and/or 24VDC.
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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**

PTCs	2.5A.
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**Indicators (LED)**

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

**Voltage Regulator (VR6):**
**Input**

Voltage	24VDC from eFlow104NB.
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**Output**

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

**Indicators (LED)**

Input	24VDC is present.
Output	Powered.

**NetWay5B 5-Port Hardened Switch:**
**Input Power**

PoE (53.5V), current draw: 1.8W  
12VDC, current draw: 150mA  
24VDC, current draw: 75mA

**Output**

Five (5) data ports.

**Ethernet Ports:**

Five (5) 10/100/1000 Mbps ports.  
Connectivity: RJ45, auto-crossover.

Wire type: 4-pair CAT5  
or better structured cable.

Distance: up to 100m.

Speed: 10/100/1000 Mbps,  
half/full duplex, auto negotiation.

**Indicators (LED)**

Individual PoE On LEDs for each port.

Individual IP Link status, 10/100Base-T/active LEDs for each port.

**T2SFK7F12D 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)**

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).

**Weight (approx.)**

Product	54.7 lb. (24.8 kg).
Shipping	59.7 lb. (27.1 kg).

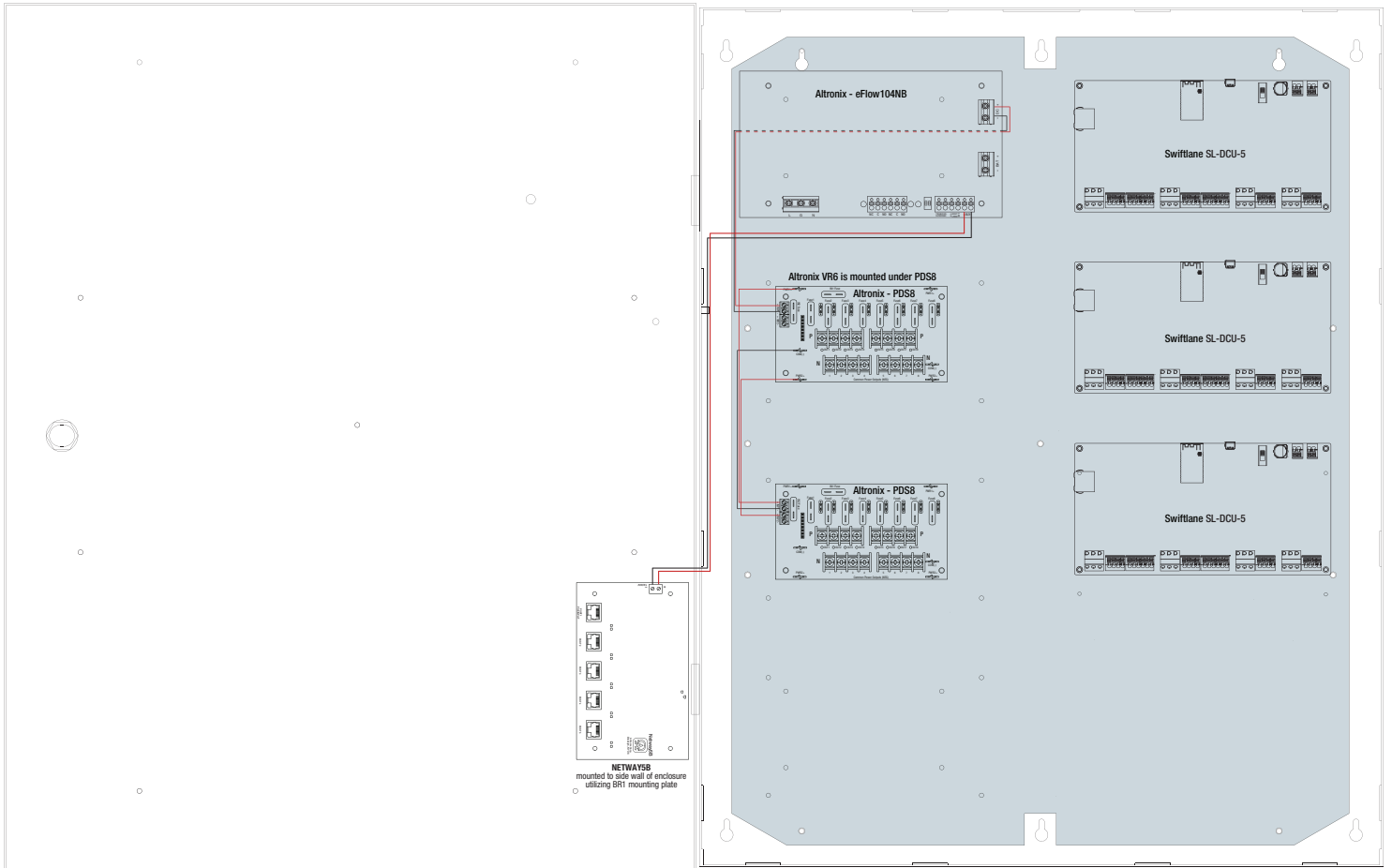
**Temperature**

Operating	0°C to 50°C (32°F to 122°F).
Storage	-20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/-5%.

BTU/Hr (approx.): 131 BTU/Hr.

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



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