

T2SFK7F16SD

Access & Power Integration Solution

Description

Altronix T2SFK7F16SD 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 access power controllers and one (1) voltage regulator and one (1) 4-output PTC power distribution module.

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.



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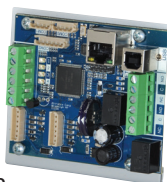
Swiftlane boards sold separately.

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.

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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 Access Power Controller (ACMS8CB):

Input

Voltage	24VDC from eFlow104NB.
Input PTC	9A.

Outputs

Voltage	24VDC.
Eight (8) 24VDC independently controlled PTC outputs:	
a) Fail-Safe and/or Fail-Secure power outputs.	
Form "C" Relays rated 28VAC or VDC @ 2.5A.	
b) Auxiliary power outputs (unswitched).	
c) Any combination of the above.	
Output PTCs	2.5A.

Indicators (LED)

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

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.

Power Distribution Module (PD4ULCB):

Input

Voltage	24VDC from eFlow104NB.
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Outputs

Voltage	24VDC.
Eight (8) PTC protected outputs.	
2A per output max.	

Output PTCs	2.5A.
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Indicators (LED)

Green LED	DC Output.
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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.

T2SFK7F16SD 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	56.7 lb. (25.7 kg).
Shipping	61.7 lb. (28.01 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

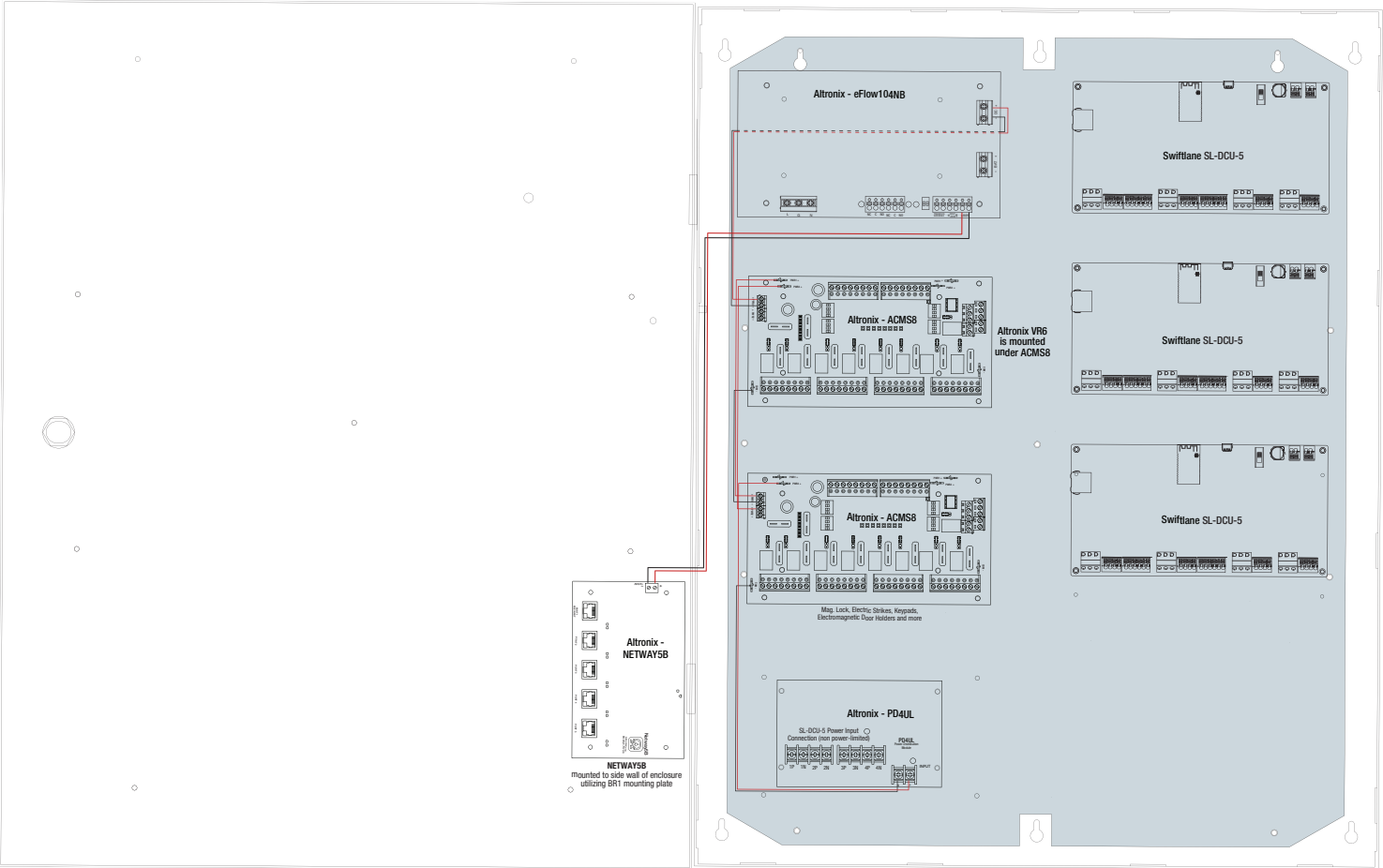
85% +/-5%.

BTU/Hr (approx.):

131 BTU/Hr.

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



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