SWIFTLANE

T2SFK7F16S

Access & Power Integration Solution

Altronix TROVE

Description

Altronix T2SFK7F16S kit consists of Trove2 enclosure, TSF2 Swiftlane/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) network communication module and two (1) 8-dual output access power controllers and one (1) voltage regulator and one (1) 4-output fused 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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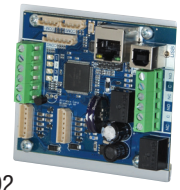
Swiftlane boards sold separately.

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 (ACMS8):

Input
- Voltage: 24VDC from eFlow104NB.
- Input Fuse: 10A/250V.

Outputs
- Voltage: 24VDC.

Eight (8) 24VDC independently controlled fused 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 Fuses: 3.5A/250V.

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

Voltage Regulator (VR6):

Input
- Voltage: 24VDC from eFlow104NB.

Output
- Voltage: 12VDC.
- Current: 6A continuous.
- Other: Surge suppression.

Indicators (LED)
- Input: 24VDC is present.
- Output: Powered.

Power Distribution Module (PD4UL):

Input
- Voltage: 24VDC from eFlow104NB.

Outputs
- Voltage: 24VDC.

Eight (8) fuse protected outputs.
3.5A per output max.

- Output Fuses: 3.5A/250V.

Indicators (LED)
- Green LED: DC Output.

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.

T2SFK7F16S 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: 0ºC to 50ºC (32ºF to 122ºF).
  - Storage: -20ºC to 70ºC (-4ºF to 158ºF).
- Relative Humidity: 85% +/-5%.
- BTU/Hr (approx.): 131 BTU/Hr.

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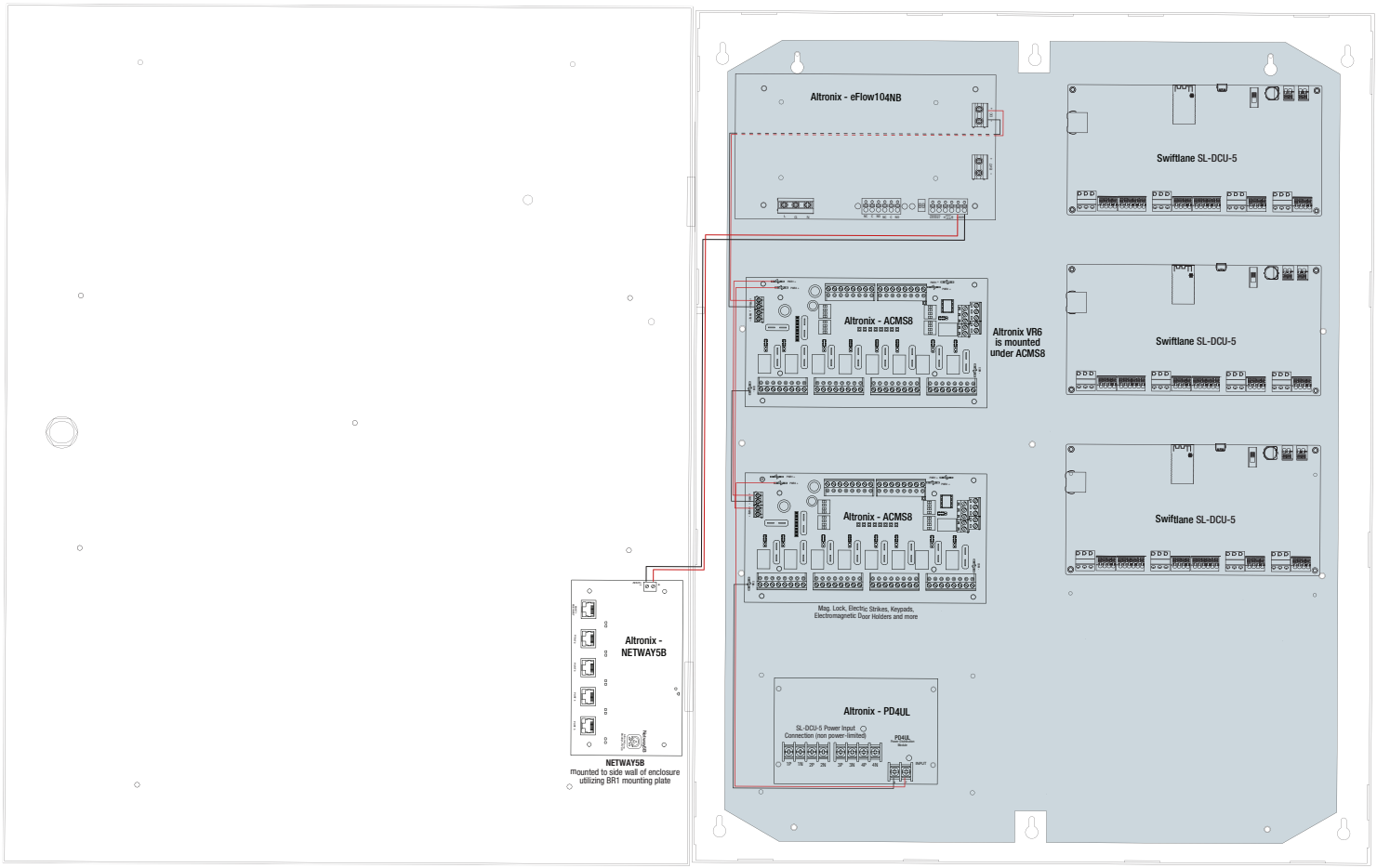
Access Controller Position Chart for Swiftlane Controls Door Controller 5 (SL-DCU-5):



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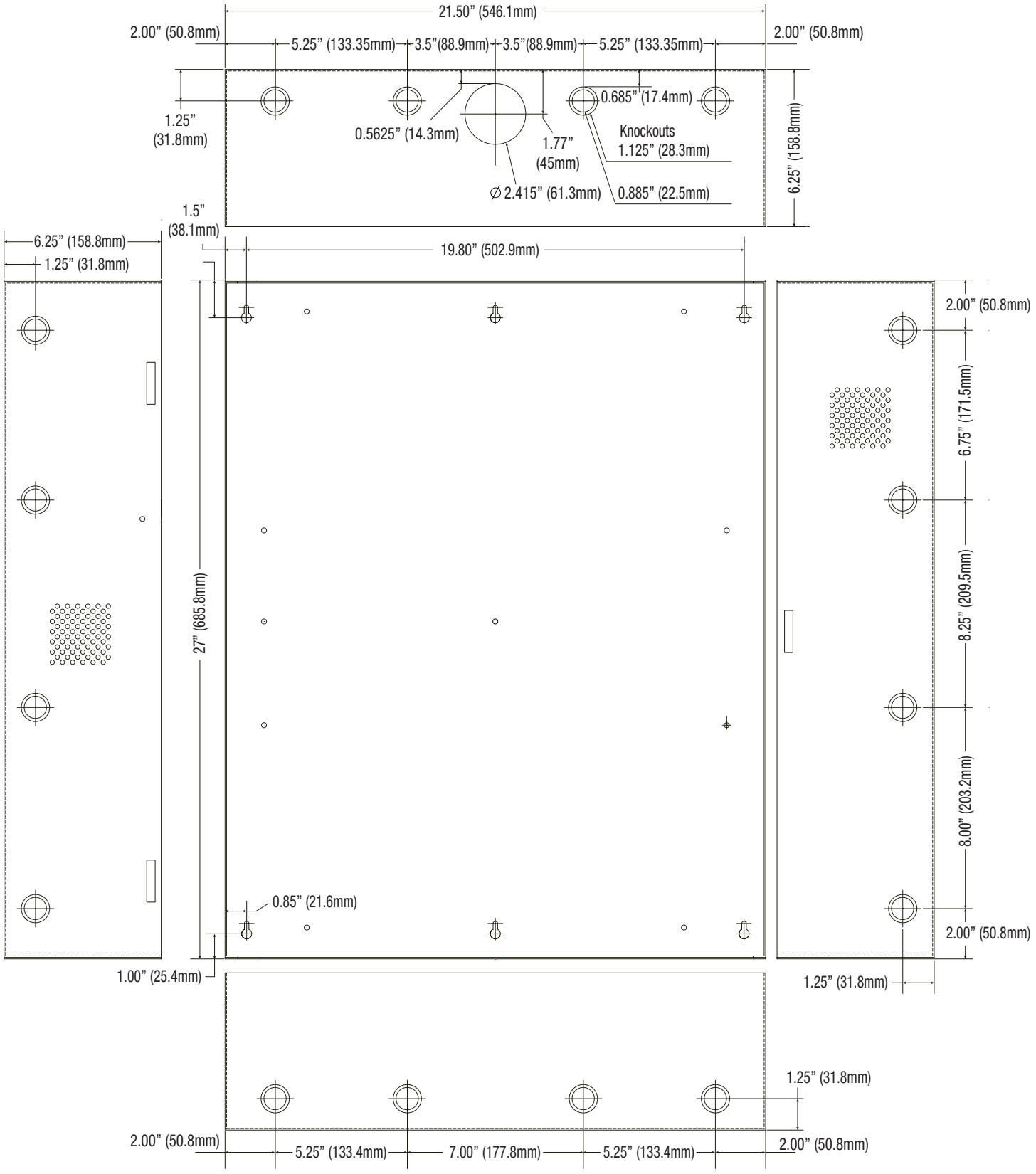
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