SWIFTLANE

Rev. 09082022

T2SFK716S (Kit)

Access & Power Integration Solution for Swiftlane

Altronix TROVE

Altronix T2SFK716S kit consists of Trove2 enclosure, TSF2 Swiftlane/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 5-port hardened switch, two (2) 8-dual output fused access power controllers, 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) boards. Trove simplifies board layout and wire management, reduces installation time and labor costs.

T2SFK716S

Swiftlane boards are not included

Key Features

- 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 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
- CE European Conformity
- Lifetime Warranty*

**Altronix Power Supply/Chargers and Sub-Assemblies only*

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Specifications

Power Supply/Charger (AL1024ULXB2):

Input
- Voltage: 115VAC 60Hz, 4.2A max
- Input Fuse: 5A/250V

Outputs
- Voltage: 24VDC
- Current: 10A @ 24VDC continuous max
- Other: Overvoltage protection. Filtered and regulated

Battery Charging
- Capacity: 12VDC/12AH (4 within enclosure)
  40AH/65AH (requires separate enclosure)
- Type: Sealed lead acid or gel type
- Failover: Upon AC loss, instantaneous

Batteries are sold separately

Supervision
- AC Failure: Form "C" contacts
- Battery: Form "C" contacts

Indicators (LED)
- Input: 115VAC is present
- DC Output: Powered
- Battery: Discharged or not connected

Two (2) Dual Input Access Power Controllers (ACMS8):

Input
- Voltage: 24VDC from AL1024ULXB2 and 12VDC from VR6
- Input Fuses: 15A/32V

Outputs
- Voltage: 12 or 24VDC individually selectable

Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) indepently controlled Form "C" relay outputs:

a) Fail-Safe and/or Fail-Secure power outputs
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated
c) Auxiliary power outputs (unswitched)
d) Any combination of the above

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

- Output Fuses: 3A/32V

Indicators (LED)
- Red LEDs: Outputs are triggered (relays energized)
- Blue LED: FACP disconnect is triggered
- Out1 - Out8: Bi-colored LEDs indicate 12 or 24VDC

Voltage Regulator (VR6):

Input
- Voltage: 24VDC from AL1024ULXB2

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 AL1024ULXB2

Outputs
- Voltage: 24VDC

Four (4) fuse protected outputs
3.5A per output max.

- Output Fuses: 3.5A/250V

Indicators (LED)
- Green LED: DC Output

5-Port Hardened Switch (NetWay5A):

- **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 Mbps ports
  Connectivity: RJ45, auto-crossover
  Wire type: 4-pair CAT5 or better structured cable
  Distance: up to 100m
  Speed: 10/100 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

T2SFK716S Kit:

Agency Listings
- CE: European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

Weight (approx.)
- Product: 56.7 lb. (25.7 kg)
- Shipping: 61.7 lb. (28.01 kg)

Temperature
- Operating: 0ºC to 49ºC (32ºF to 120ºF)
- Storage: – 20ºC to 70ºC (– 4ºF to 158ºF)

- Relative Humidity: 85% +/– 5%
- BTU/Hr (approx.): 142 BTU/Hr.

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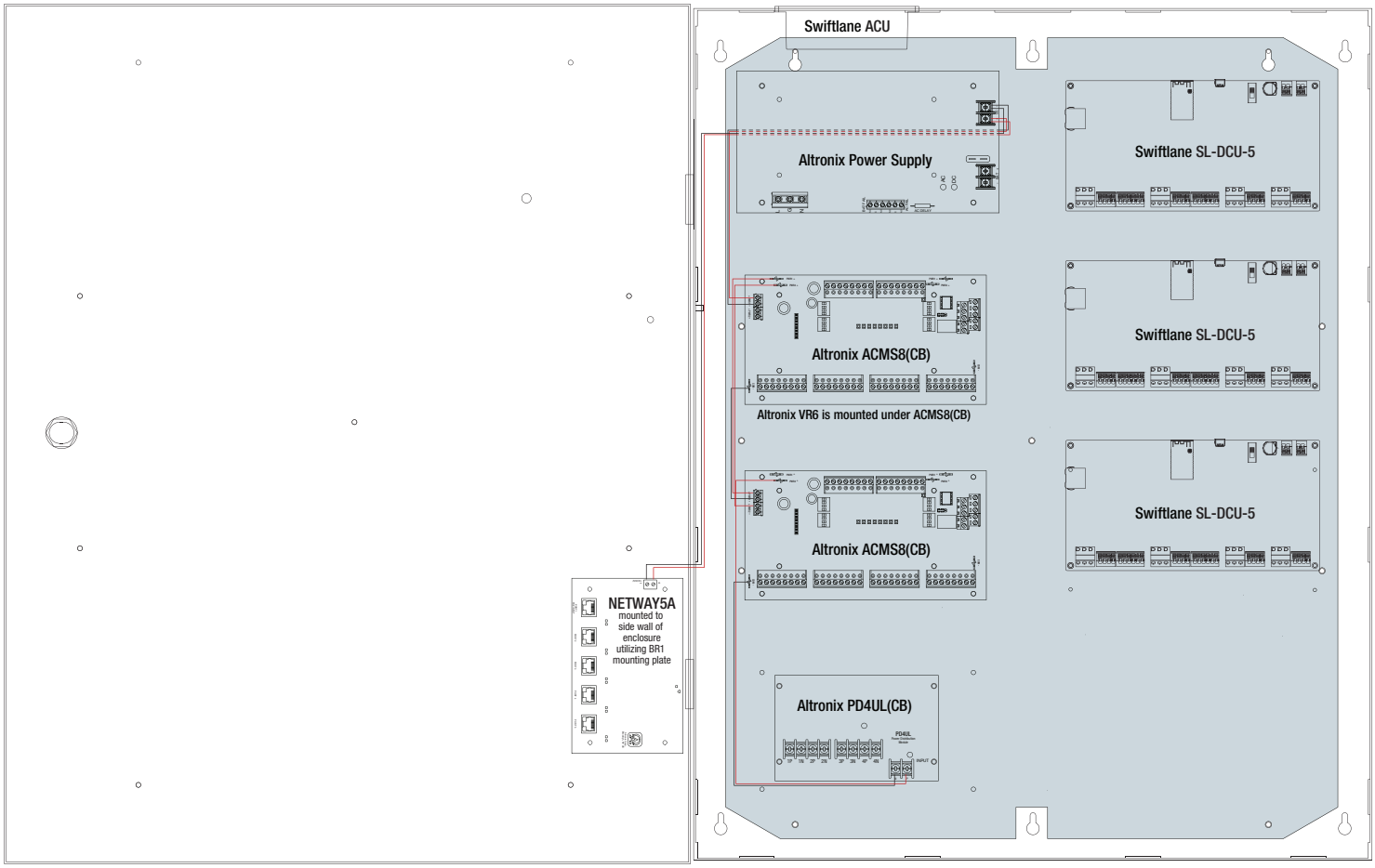
Access Controller Position Chart for Swiftlane Controls Door Controller 5 (SL-DCU-5):



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Accessories (order separately)

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.

BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC with batteries

Trove2BWC with wires

TROVE2BWC - Battery/Wire Trough Enclosure

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution.The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets.Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

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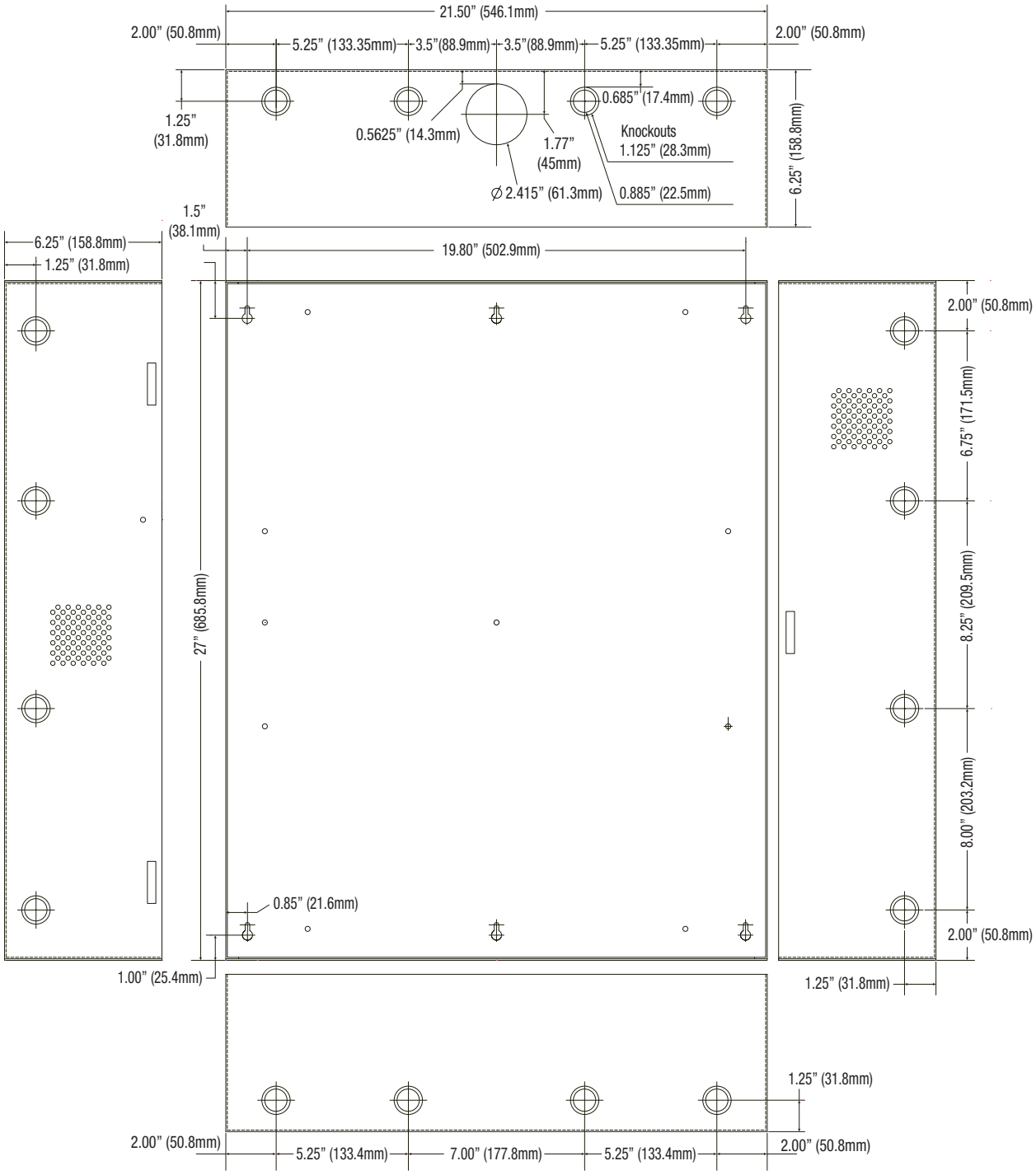
Dimensions and Drawing

Dimensions (H x W x D approximate)

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