

T2SFKTT12S (Kit)

Access & Power Integration Solution for Swiftlane



Altronix T2SFKTT12S kit consists of Trove2 enclosure, TSF2 Swiftlane/Altronix backplane with two (2) Tango1B PoE Driven Power Supplies, one (1) 5-port hardened switch and two (2) 8-dual output fused access power controllers.

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.



T2SFKTT12S

Swiftlane boards are not included

Key Features

- Utilizes Hi-PoE (802.3bt) to simultaneously deliver 12VDC & 24VDC for powering access control and security devices
- 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 Lithium Iron Phosphate (LiFePO₄) batteries
- Supervision
 - Loss of PoE
 - Battery Supervision
- 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
- Lifetime Warranty*

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

Specifications

Two (2) PoE Driven Power Supply/Chargers (Tango1B):

Ethernet Input

802.3bt PoE up to 90W (or 802.3at up to 30W or 802.3af up to 15W)

Power Output (when using 802.3bt 90W)

12VDC up to 5.4A (65W) and/or 24VDC up to 2.7A (65W)

Combined output not to exceed 65W

When charging batteries:

12VDC up to 4.6A (55W) and/or 24VDC up to 2.3A (55W)

Combined output not to exceed 55W

Ethernet Output

Pass-through Ethernet Port (data only)

Battery Charging

Capacity One (1) LiFePO₄ battery within enclosure

Type LiFePO₄ (lithium iron phosphate)

Failover Upon AC loss, instantaneous

Unique technology allows for single battery to backup

12VDC and/or 24VDC systems

Batteries are sold separately

Supervision

Loss of PoE Input

Battery Supervision

Indicators (LED)

Input Indicates input voltage is present

Output Indicates normal operating condition

PoE Type PoE Class Indicator

Supervision PoE Fail or BAT Fail

5-Port Hardened Switch (NetWay5A):

Input Power 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

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

Input

Voltage 12VDC and 24VDC from Tango1B

Input Fuses 15A/32V

Outputs

Voltage 12 or 24VDC individually selectable

Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) independently 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

T2SFKTT12S 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)

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. (28.4 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.): 116 BTU/Hr.



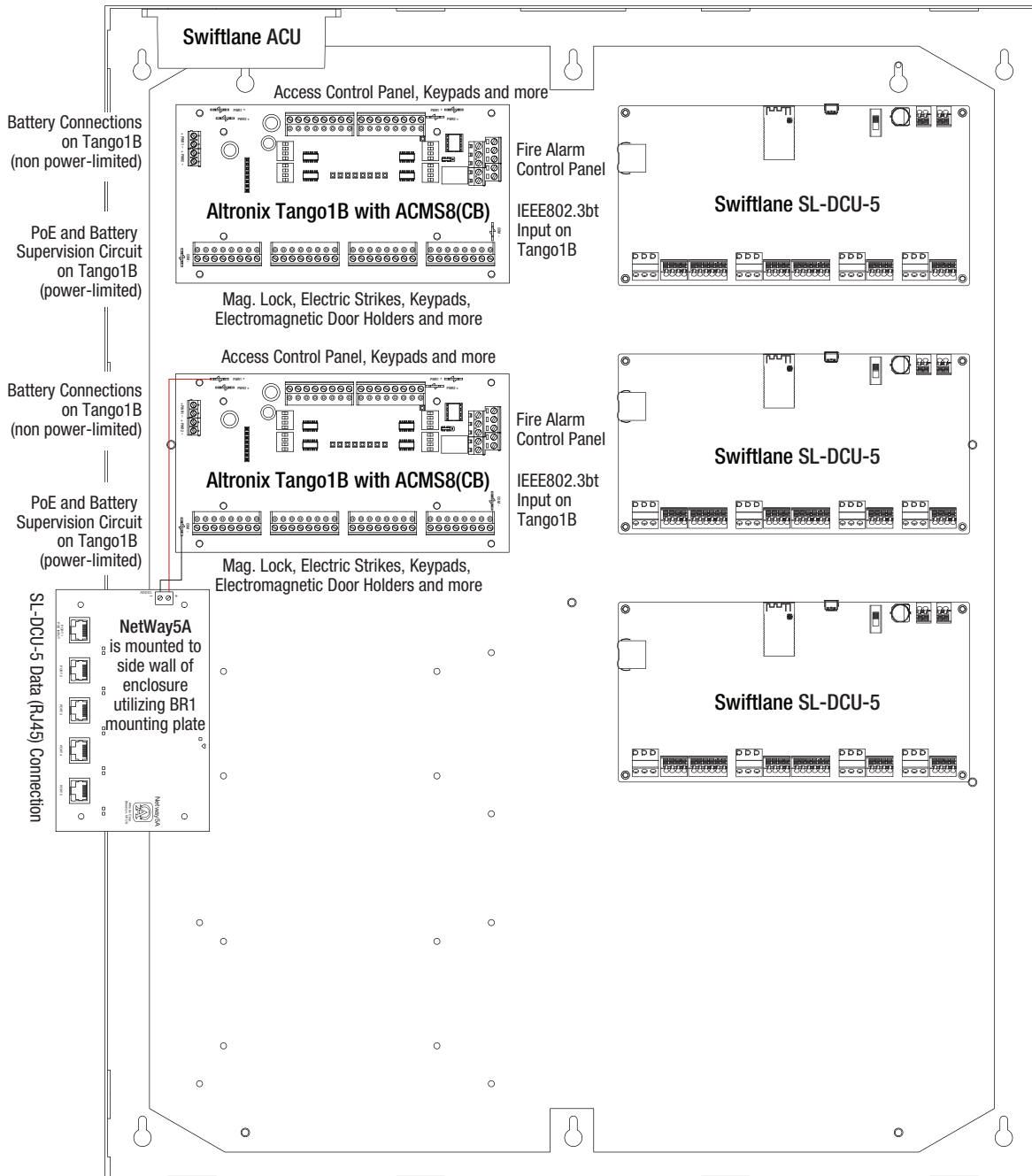
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Access Controller Position Chart for Swiftlane Controls Door Controller 5 (SL-DCU-5):





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Accessories (order separately)



NetWay8BT



NetWay1BT – 802.3bt (4PPoE) Midspan/Injector

- Single port midspan/injector delivers up to 90W max

NetWay4BT – 802.3bt Midspan/Injector

- 4-Port midspan/injector delivers up to 90W per port (480W max)

NetWay8BT – 802.3bt Midspan/Injector

- 8-Port midspan/injector delivers up to 90W per port (480W max)



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)

