SWIFTLANE

Rev. 09072022

T1SFK34 (Kit)

Access & Power Integration Solution for Swiftlane

Altronix TROVE

Altronix T1SFK34 kit consists of Trove1 enclosure, TSF1 Altronix/Swiftlane Controls backplane with one (1) 12VDC or 24VDC @ 6A power supply/charger and one (1) fused access power controller. This kit also accommodates one (1) Swiftlane Controls Door Controller 5 (SL-DCU-5) board. Trove simplifies board layout and wire management, reduces installation time and labor costs.

T1SFK34

Swiftlane boards are not included

Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates two (2) Swiftlane Controls Door Controller 5 (SL-DCU-5) boards
- Convenient knockout configuration:
  - One (1) double knockout 1.948" (1-1/2" Conduit)
  - Nine (9) 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 two (2) 12VDC/7AH batteries
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
- 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 - ElectronicAccess Control Systems
  - CE European Conformity
- Lifetime Warranty*

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

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.

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Specifications

Power Supply (AL600ULXB):

Input

Voltage	115VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	12VDC/7AH (2 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

Access Power Controller (ACM4):

Input

Voltage	12VDC or 24VDC from AL600ULXB
Input Fuse	10A/32V

Outputs

Voltage 24VDC

Four (4) independently controlled fused outputs:

a) Four (4) Fail-Safe and/or Fail-Secure power outputs

b) Four (4) dry form “C” 5A rated relay outputs.

c) Any combination of the above

Four (4) auxiliary power outputs (unswitched)

Output Fuses 3A/32V

Indicators (LED)

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

T1SFK34 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:
18” x 14.5” x 4.62” (457.2mm x 368.3mm x 118.0mm)
Shipping:
21.75” x 18.25” x 5.75” (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Product	15.5 lb. (7.0 kg)
Shipping	19.5 lb. (8.9 kg)

Temperature

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

Relative Humidity 85% +/– 5%

BTU/Hr (approx.): 12VDC: 40 BTU/Hr
24VDC: 77 BTU/Hr

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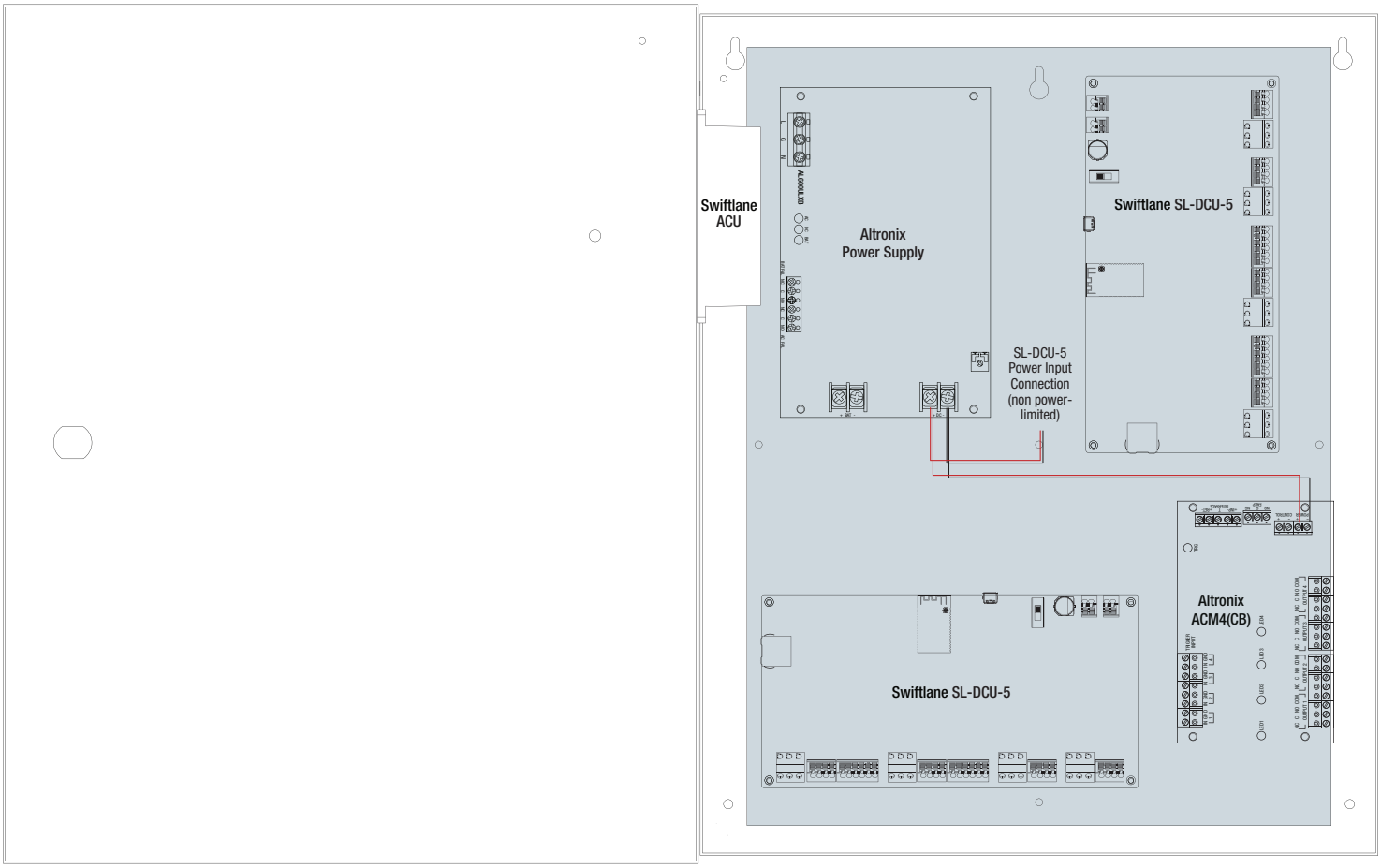
Access Controller Position Chart for Swiftlane Controls Door Controller 5 (SL-DCU-5):



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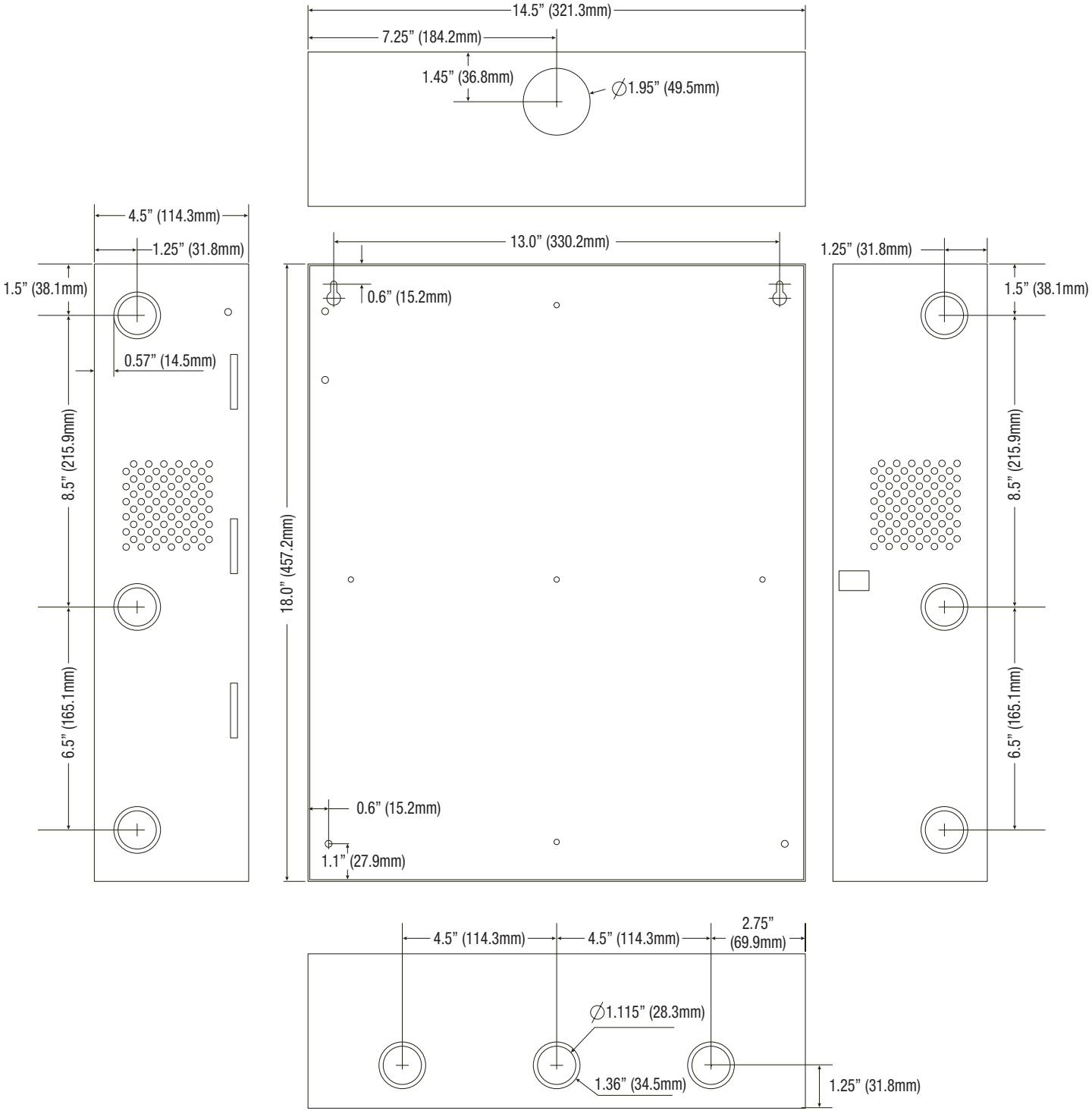
Dimensions and Drawing

Dimensions (H x W x D approximate)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)