

**Trove1SA1 (Enclosure & Backplane) / TSA1 (Backplane)**  
 Access & Power Integration Solution for SALTO



Altronix Trove1SA1 consists of a high-capacity enclosure with removable backplane. This unit easily combines Altronix power/accessories with various combinations of SALTO CU42E0 controllers in a streamlined package. Trove simplifies board layout and wire management, reducing installation time and labor costs.



Trove1SA1

*Boards are not included*

**Trove1SA1 (Trove1 Enclosure + TSA1 Backplane) TSA1 (Backplane) Features**

- Accommodates SALTO boards with or without Altronix power supplies/sub-assemblies.
- SALTO: CU42E0, CU4EB8, CU4200
- Altronix power supplies/sub-assemblies
- Includes Altronix Trove1 enclosure and one (1) removable TSA1 backplane

**Agency Listings**

- UL: UL294 - Access Control System.
- cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
- CE European Conformity

**Features**

- Simplifies board layout and wire management
- Convenient knockout configuration:
  - One (1) single knockout  
1.948" (1-1/2" Conduit)
  - Nine (9) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Accommodates up to two (2) 12VDC/7AH batteries
- 16 AWG powder coated steel
- Includes cam lock, tamper switch and mounting hardware

**Physical and Environmental**

**Trove1SA1 - Dimensions (H x W x D):**

- Enclosure:  
18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)
- Shipping:  
21.75" x 18.25" x 5.75" (553mm x 464mm x 146mm)

**Trove1SA1 - Weights (approx.):**

- Product: 15.15 lb. (6.87 kg)
- Shipping: 19.05 lb. (8.64 kg)

**TSA1 - Dimensions (H x W x D):**

- Backplane:  
16.625" x 12.5" x 0.06" (422.3mm x 317.5mm x 1.5mm)
- Shipping:  
18.0" x 13.75" x 1" (457mm x 350mm x 26mm)

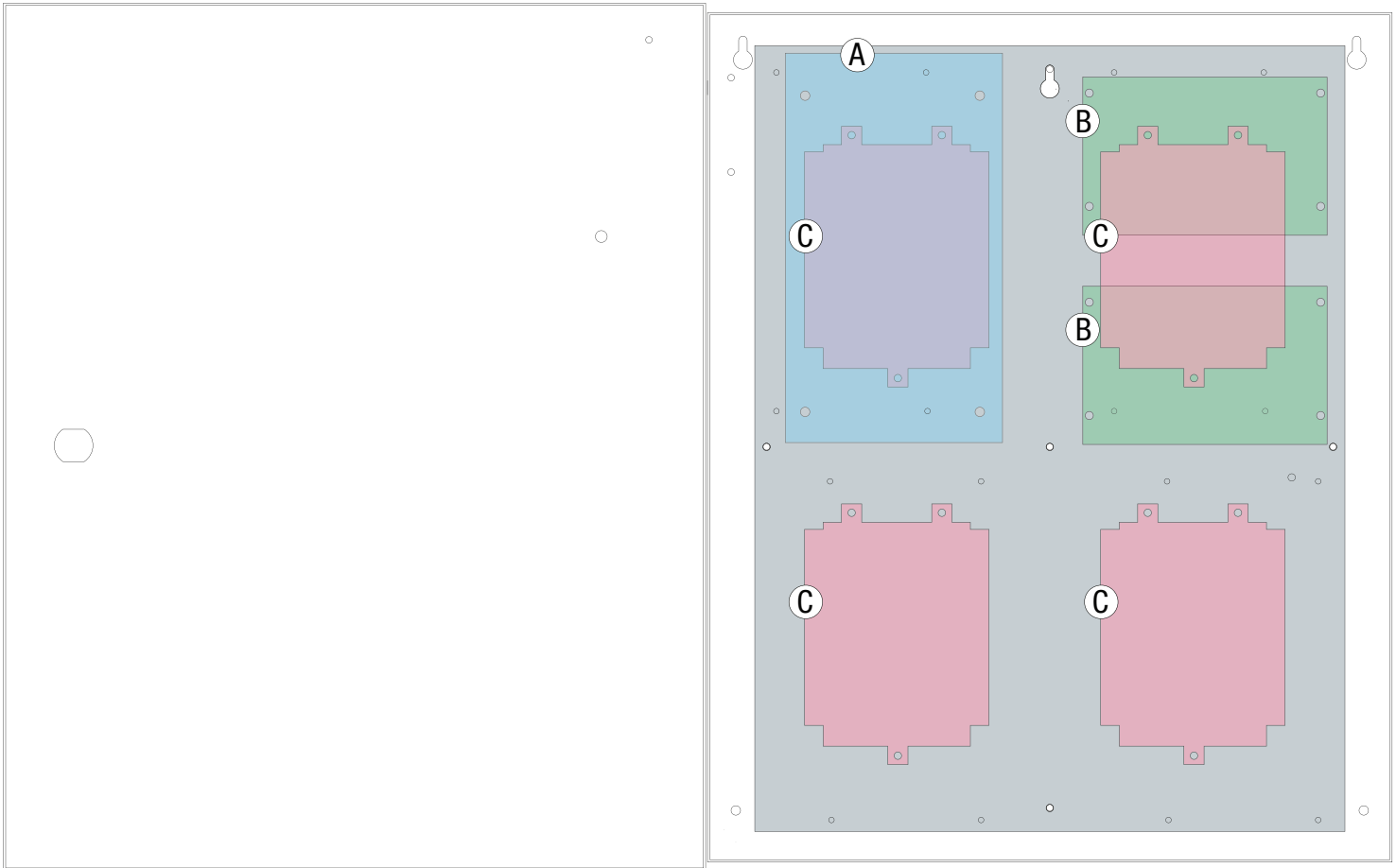
**TSA1 - Weights (approx.):**

- Product: 3.35 lb. (1.52 kg)
- Shipping: 4.0 lb. (1.81 kg)

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**Access Controller Position Chart for the Following Models:**

Altronix / Salto	Pem Mounting
AL400ULXB2, AL400ULXB2V, AL600ULXB, AL600XB220, AL1012ULXB, AL1012XB220, AL1024ULXB2, AL1024XB2V, eFlow4NB, eFlow4NBV, eFlow6NB, eFlow6NBV, eFlow102NB, eFlow102NBV, eFlow104NB, eFlow104NBV, Tango1B	(A)
ACM4, ACM4CB, LINQ8PD, LINQ8PDCB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PDS8, PDS8CB, PDS16, PDS16CB, VR6	(B)
CU42E0, CU4EB8, CU4200	(C)



**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.

**Dimensions and Drawing**

Dimensions (H x W x D approximate)

18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

