



## **T1SAK34D Altronix Salto Access and Power Integration Kit Instruction Manual**

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**T1SAK34D Altronix Salto Access and Power Integration Kit**



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## Models Include

### T1SAK34D

4 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove1 enclosure with TSA1 Altronix/SALTO backplane
- (1) AL600ULXB – Power Supply/Charger
- (1) ACM4CB – PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC Power Distribution Module

**T2SAK78D**

8 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove2 enclosure with TSA2 Altronix/SALTO backplane
- (1) AL1024ULXB2 – Power Supply/Charger
- (1) ACM8CB – PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC Power Distribution Module

**T2SAK7512D**

12 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove2 enclosure with TSA2 Altronix/SALTO backplane
- (1) AL1024ULXB2 – Power Supply/Charger
- (1) AL1012ULXB – Power Supply/Charger
- (1) ACM8CB – PTC Access Power Controller
- (1) ACM4CB – PTC Access Power Controller
- (1) PDS8CB – Dual Input PTC Power Distribution Module

All components of these Trove kits are UL Listed sub-assemblies.

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

**Overview**

Altronix Trove SALTO kits are pre-assembled and consist of Trove1SA1 or Trove2SA2 enclosure/backplane with factory installed Altronix power supply/charger(s) and sub-assemblies. These kits also accommodate various combinations of SALTO modules for up to twelve (12) doors in a single enclosure.

**Configuration Chart**

Altronix Model Number	115 VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4CB/ACMCB Access Power Controller's outputs	Fail-Safe/Fail-Secure Outputs	Current Per ACM4CB/ACM8CB Output (A)	ACM4CB/ACM8CB Board Input Fuse Rating	ACM4CB/ACM8CB Board Output PTC Rating	PDS 8CB Board Input PTC Rating	PDS 8CB Board Output PTC Rating
				Power Supply 1	Power Supply 2							
				Output Range (V DC)	Output Range (V DC)							
<b>T1SAK 34D</b>	3.5	5A/250V	N/A	20.19-26.4	—	24VDC @ 5.6A	4	2.5	10A/32V	2.5A	9A	2.5A
<b>T2SAK 78D</b>	4.2	5A/250V	15A/32V	20.17-26.4	—	24VDC @ 9.2A	8	2.5	10A/250V	2.5A	9A	2.5A
<b>T2SAK 7512D</b>	6.8	5A/250V	15A/32V	20.17-26.4	10.03-13.2	12VDC @ 9.3A 24VDC @ 9.2A	12	2.5	10A/250V	2.5A	9A	2.5A

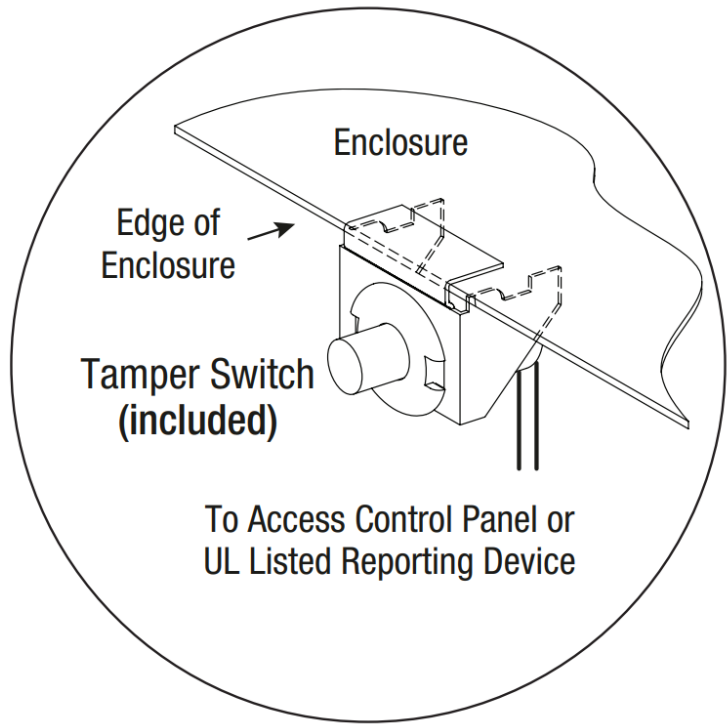
## Installation Instructions

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.


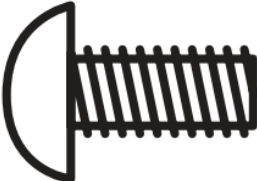

1. Remove backplane(s) from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the three upper screws. Install the three lower screws and make sure to tighten all screws.
3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (Fig. 1, pg. 2). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
4. Mount SALTO modules to TSA2 backplane, refer to pg. 3, 4, 5.

5. Refer to the ULXB Power Supply/Charger Installation Guide for AL600ULXB, AL1012ULXB, AL1024ULXB2 and corresponding Sub-Assembly Installation Guides for ACM4CB, ACM8CB, PDS8CB, VR6 for further installation instructions.

Fig. 1



Hardware

Nylon Spacer	5/16" Pan Head Screw	Lock Nut
		

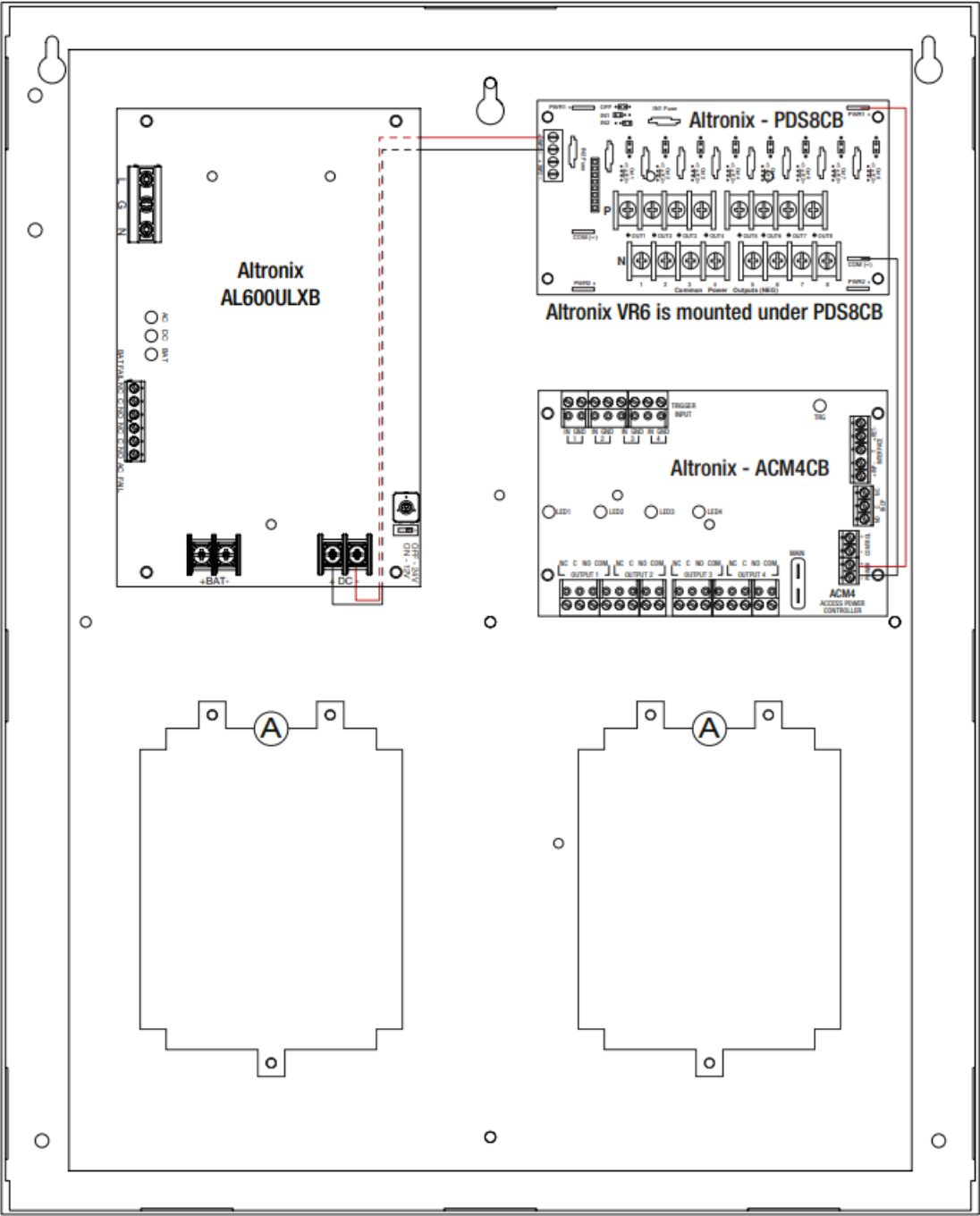
T1SAK34D: Configuration of SALTO Modules:

1. Fasten spacers onto metal pems configuration (A) of backplane (Fig. 2,).
2. Position SALTO modules over corresponding spacers and mount them utilizing pan head screws (provided) (Fig. 2a,).
3. Mount backplane to enclosure with hardware.

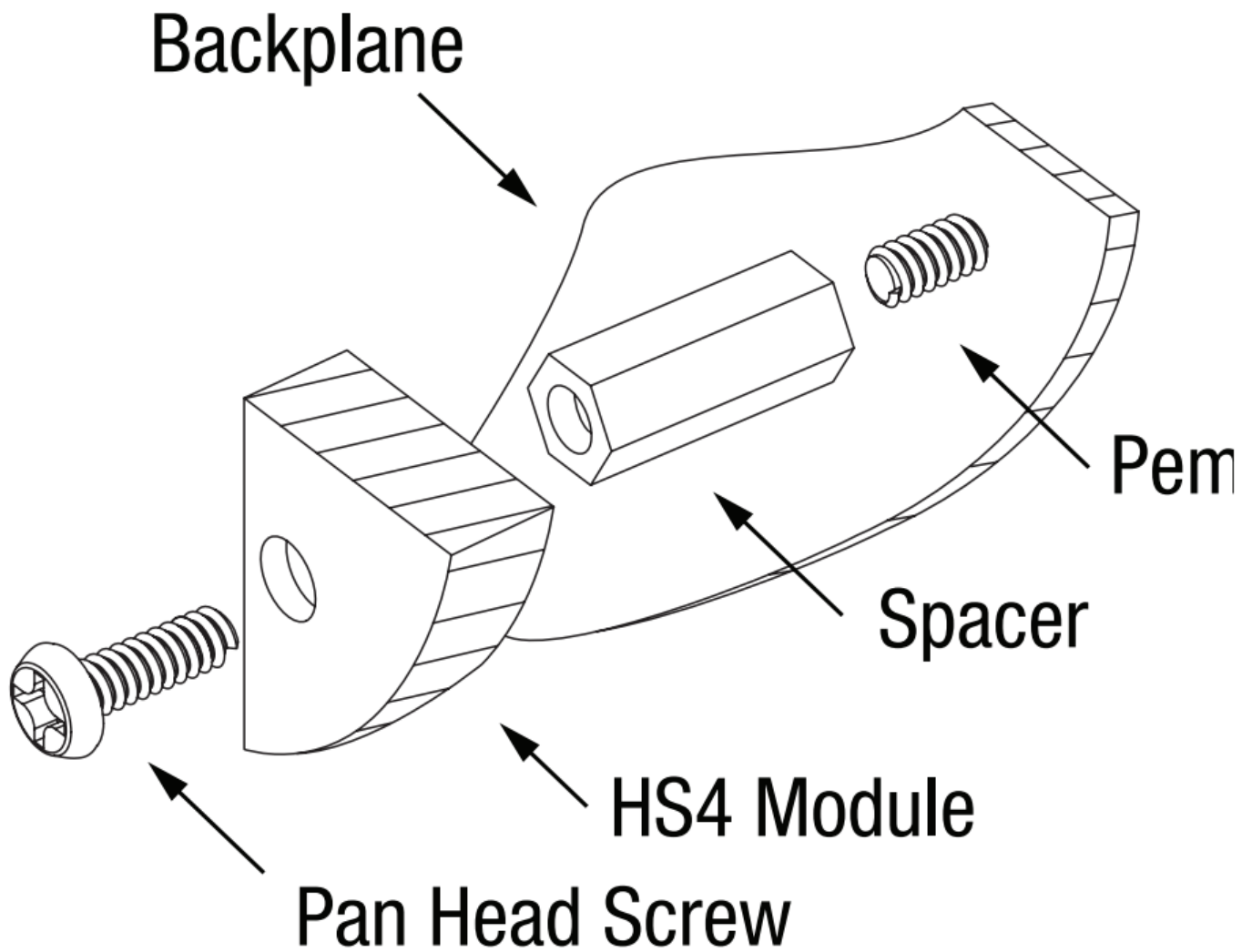
Access Controller Position Chart for the Following Models:

SALTO Access Controller	Pem Mounting
CU42E0, CU4200 or CU4EB8	A

Fig. 2



*Fig. 2a*



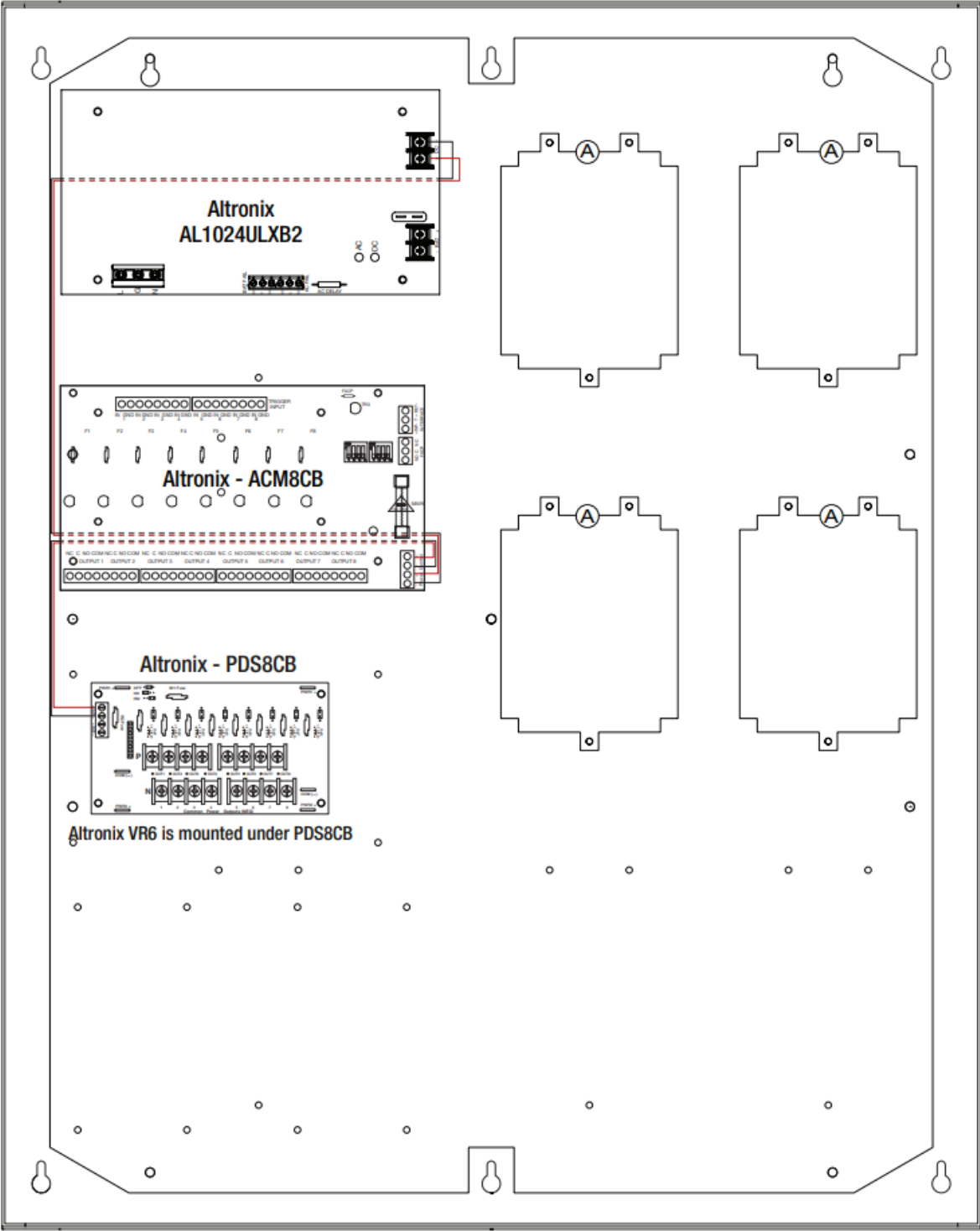
**T2SAK78: Configuration of SALTO Modules:**

1. Fasten spacers onto metal pems configuration (A) of backplane (Fig. 3,).
2. Position SALTO modules over corresponding spacers and mount them utilizing pan head screws (provided) (Fig. 3a,).
3. Mount backplane to enclosure with hardware.

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

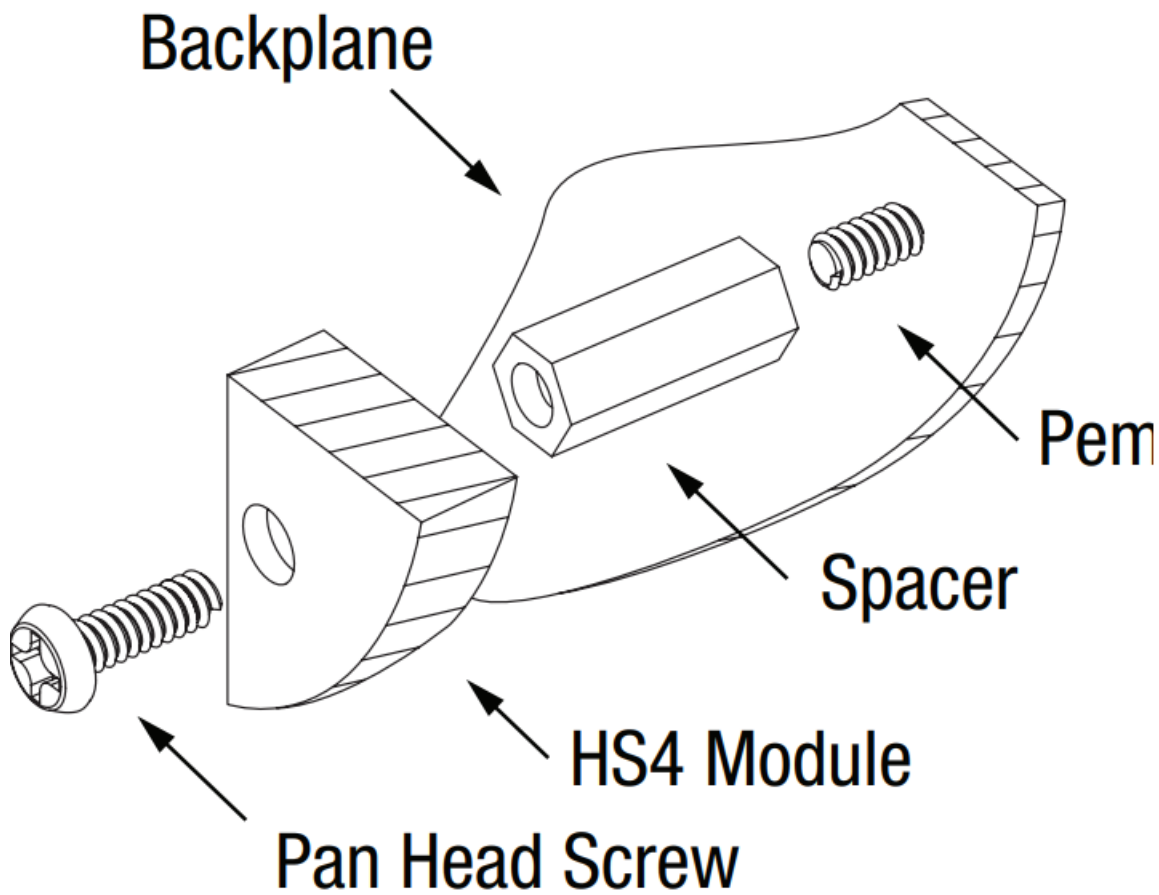
<b>SALTO Access Controller</b>	<b>Pem Mounting</b>
CU42E0, CU4200 or CU4EB8	A

Fig. 3





*Fig. 3a*



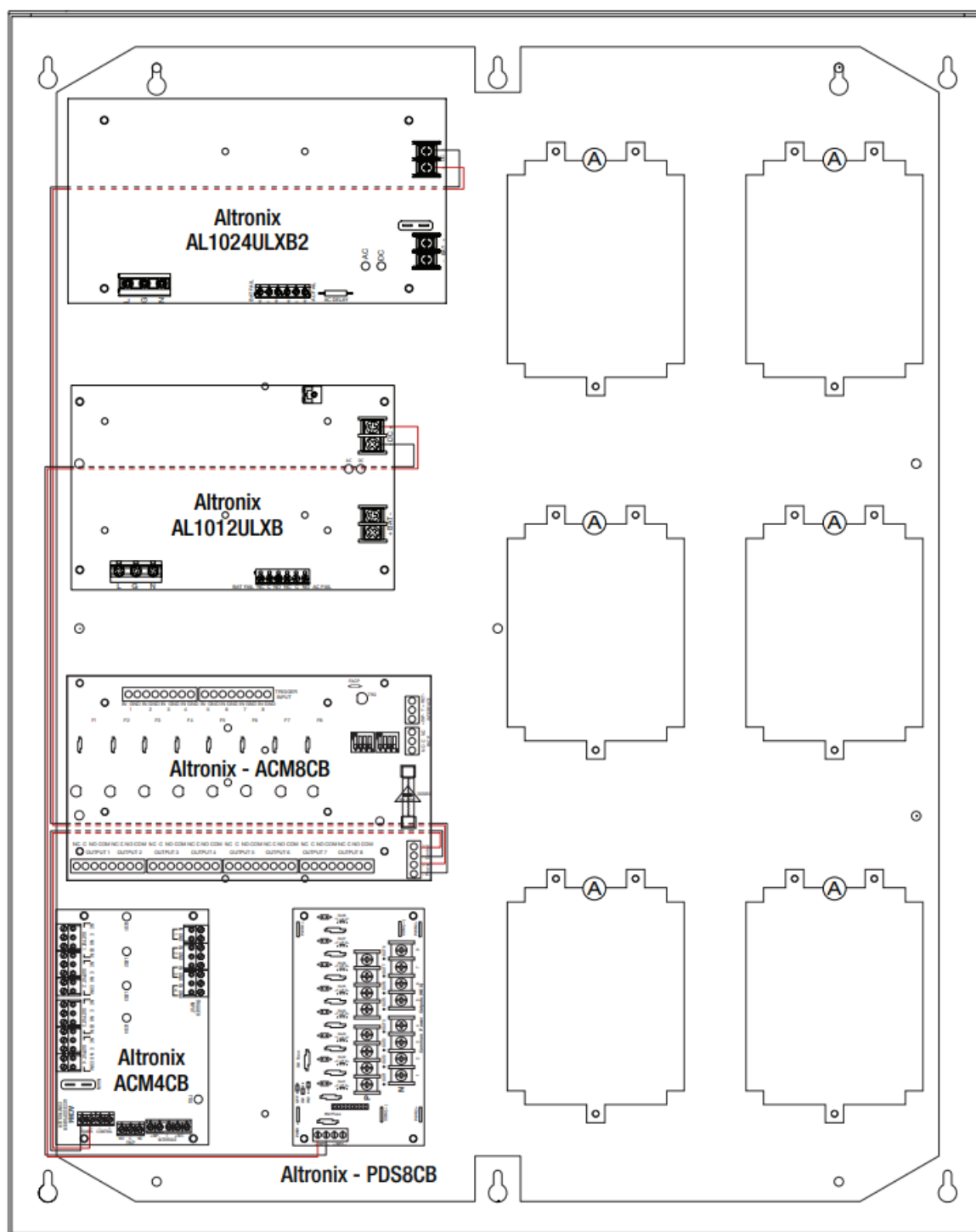
**T2SAK7512D: Configuration of SALTO Modules:**

1. Fasten spacers onto metal pems configuration (A) of backplane (Fig. 4.).
2. Position SALTO modules over corresponding spacers and mount them utilizing pan head screws (provided) (Fig. 4a.).
3. Mount backplane to enclosure with hardware.

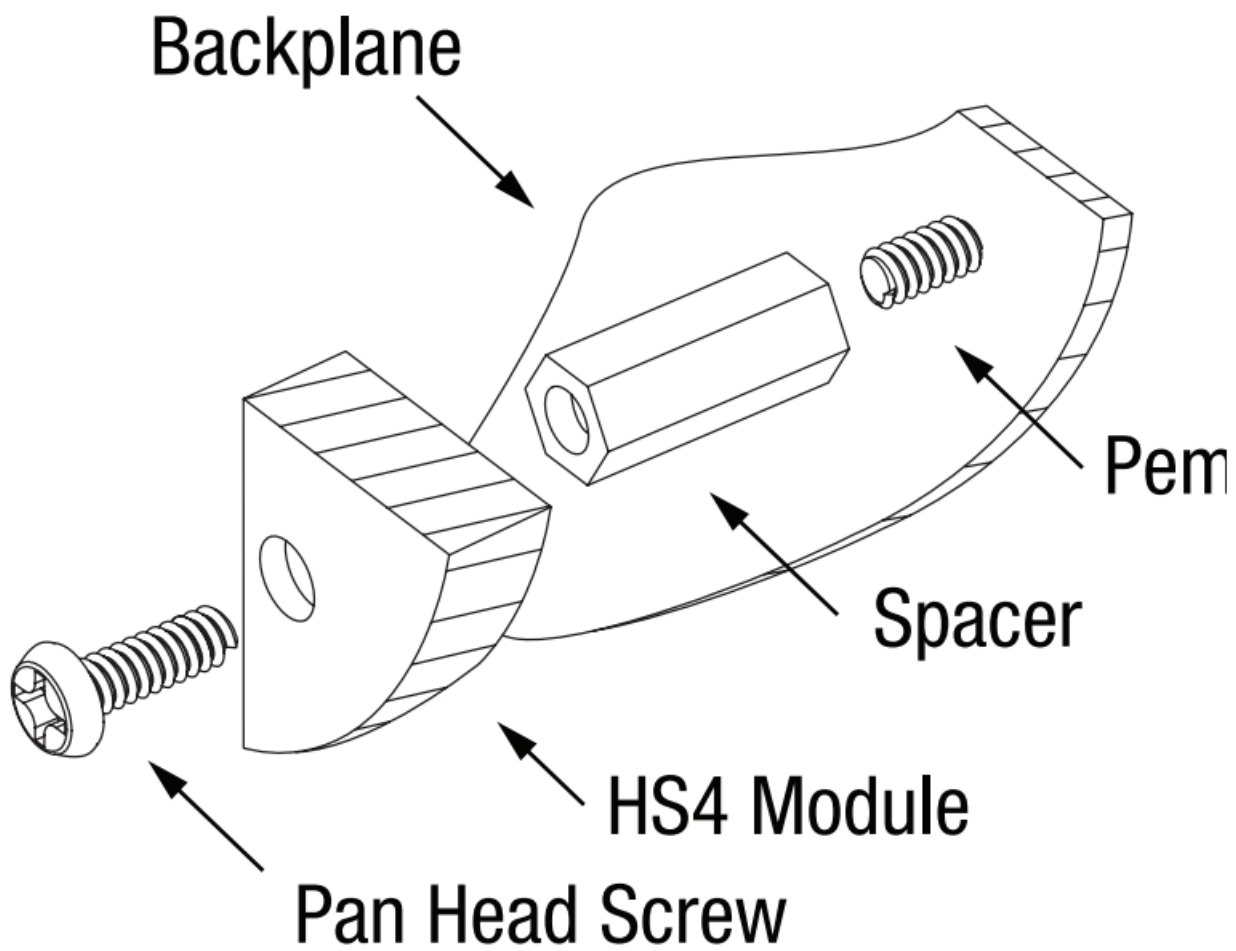
**Access Controller Position Chart for the Following Models:**

SALTO Access Controller	Pem Mounting
CU42E0, CU4200 or CU4EB8	A

Fig. 4

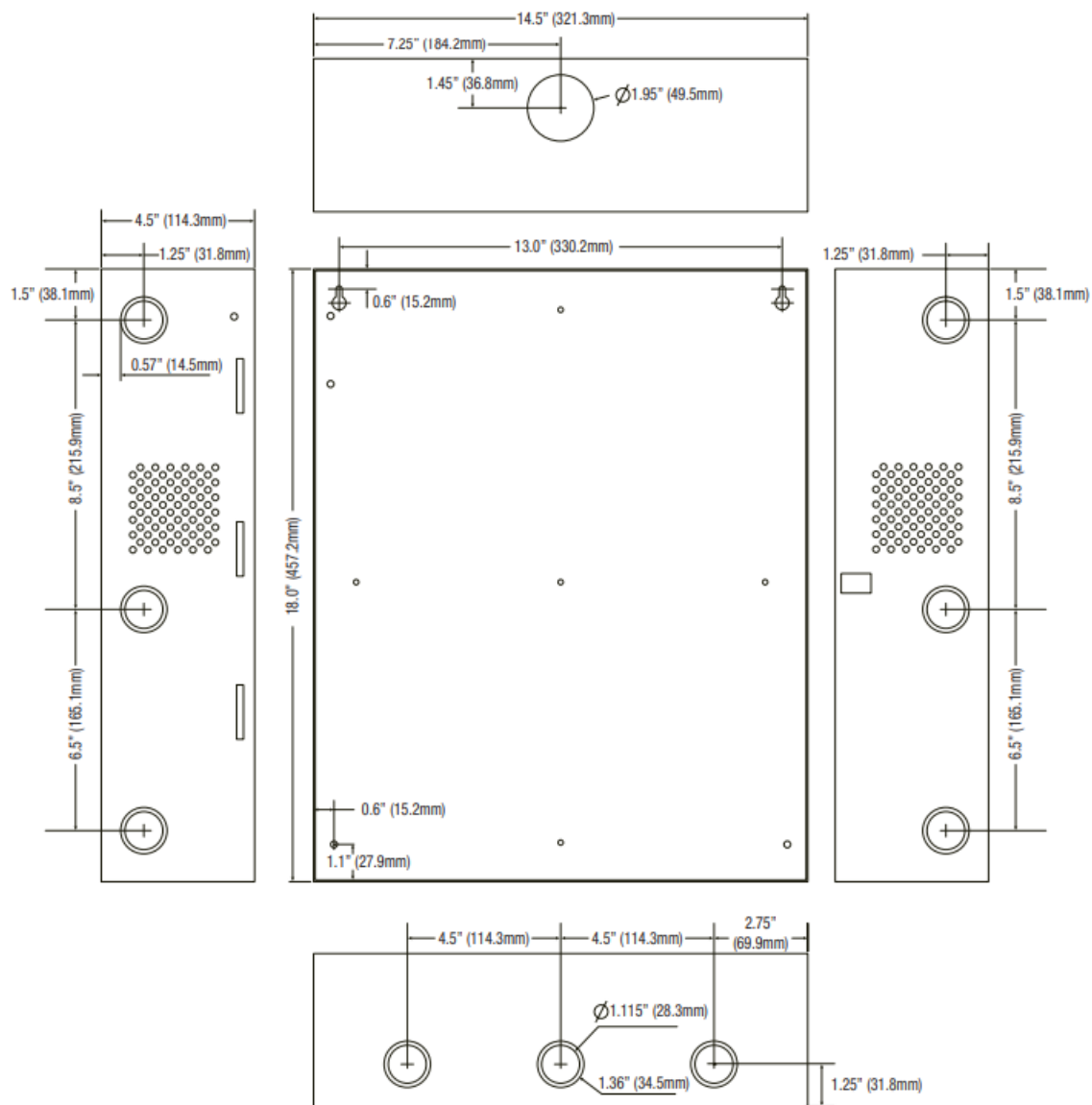


*Fig. 4a*



#### Dimensions

**T1SAK34 Enclosure Dimensions (H x W x D):** 18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



**T2SAK78 and T2SAK7512 Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.15mm x 552.5mm x 165.1mm)**






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## Documents / Resources

	<p><a href="#">Altronix T1SAK34D Altronix Salto Access and Power Integration Kit</a> [pdf] Instruction Manual</p> <p>T1SAK34D Altronix Salto Access and Power Integration Kit, T1SAK34D, Altronix Salto Access and Power Integration Kit, Power Integration Kit, Integration Kit</p>
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## References

-  [Altronix Home](#)
- [User Manual](#)