TROVE™
Access & Power Integration

Altronix/Kisi Kits

Models Include:

T1KE34
4 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove1 enclosure with TDR1 backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) ACM4 - Fused Access Power Controller

T1KE38
8 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove1 enclosure with TDR1 backplane
- One (1) AL600ULXB - Power Supply/Charger
- Two (2) ACM4 - Fused Access Power Controllers

T2KE3316
16 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with TDR2 backplane
- Two (2) AL600ULXB - Power Supply/Charger
- Two (2) ACM8 - Fused Access Power Controllers

T1KE34D
4 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove1 enclosure with TDR1 backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller

T1KE38D
8 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove1 enclosure with TDR1 backplane
- One (1) AL600ULXB - Power Supply/Charger
- Two (2) ACM4CB - PTC Access Power Controllers

T2KE3316D
16 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with TDR2 backplane
- Two (2) AL600ULXB - Power Supply/Charger
- Two (2) ACM8CB - PTC Access Power Controllers

All components of these Trove kits are UL Listed sub-assemblies.
Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide

CE

Altronix®
More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Kisi kits are pre-assembled and consist of Trove1DR1 or Trove2DR2 enclosure/backplane with factory installed Altronix power supply/charger(s) and sub-assemblies. Trove Kisi kits also accommodates up to four (4) Kisi Pro Controllers for up to sixteen (16) doors in a single enclosure.
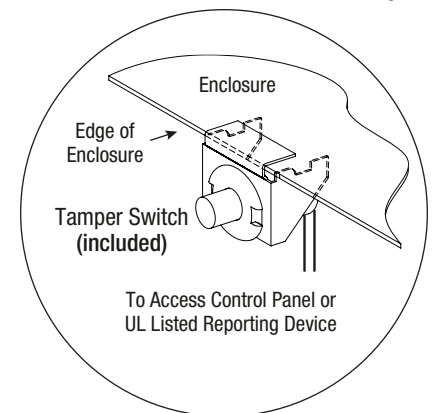
Configuration Chart:

Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Maximum Supply Current for Main Output on Power Supply board(s) and ACM4(CB)/ACM8(CB) Access Power Controllers' outputs	Nominal DC Output Voltage Range (VDC)	Fail-Safe/ Fail-Secure Outputs	ACM4(CB)/ ACM8(CB) Board Input Fuse (PTC) Rating	ACM4(CB)/ ACM8(CB) Board Output Fuse (PTC) Rating
T1KE34	3.5	5A/ 250V	24VDC @ 5.7A	20.17-26.4	4	10A/32V	3A/32V
T1KE34D						9A	2.5A
T1KE38					8	10A/32V	3A/32V
T1KE38D						9A	2.5A
T2KE3316					16	10A/250V	3.5A/250V
T2KE3316D							2.5A

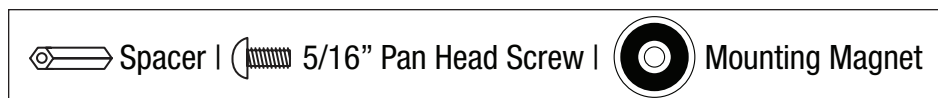## Installation Instructions:

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 from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top two/three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws, level and secure. Mark the position of the lower two/three holes. Remove the enclosure. Drill the lower holes and install the two/three fasteners. Place the enclosure's upper keyholes over the two/three upper screws. Install the two/three lower screws and make sure to tighten all screws refer to *pages 6-7*.
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 Kisi Pro Controllers to TDR1 or TDR2 backplane, refer to *pages 3-5*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB and corresponding *Sub-Assembly Installation Guides* for ACM4(CB) and ACM8(CB) for further installation instructions.

Fig. 1

Hardware:

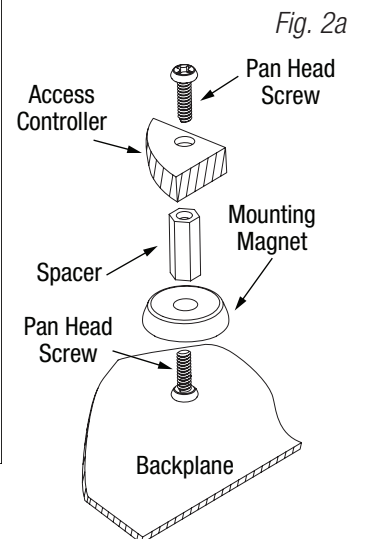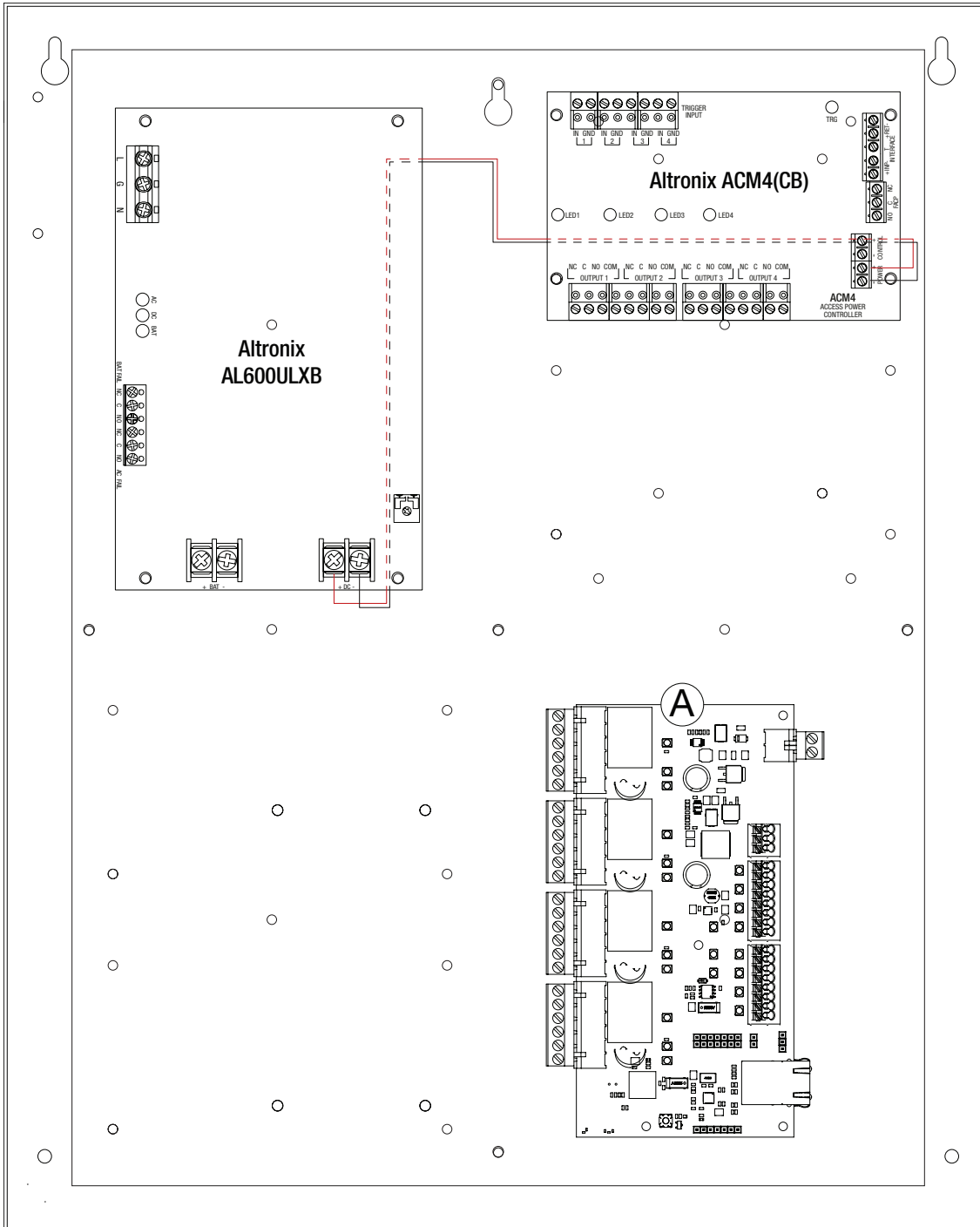 Spacer | 5/16" Pan Head Screw | Mounting Magnet

T1KE34 and T1KE34D: Configuration of Kisi Pro Controllers:

1. Fasten mounting magnets (provided) to Kisi Pro Controllers with screws and spacers (provided) using the controllers' mounting holes *(Fig. 2, pg. 3)*.
2. Attach mounting magnets to TDR1 in the approximate position as shown below *(Fig. 2a, pg. 3)*.
   Note: Kisi Pro Controllers should be properly oriented.
   Please make sure that they are mounted correctly, as shown in *Fig. 2* below.
3. Fasten TDR1 backplane to Trove1 enclosure utilizing hardware (provided).

Access Controller Position Chart for the Following Models:

Kisi	Pem Mounting
Pro Controller	Ⓐ

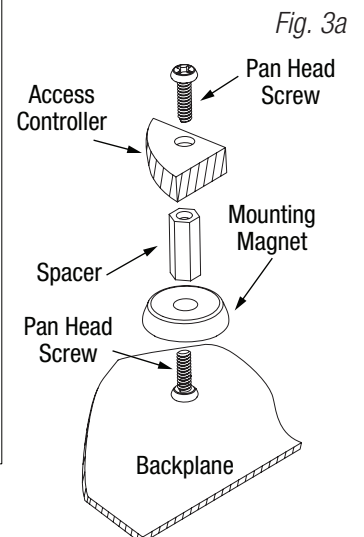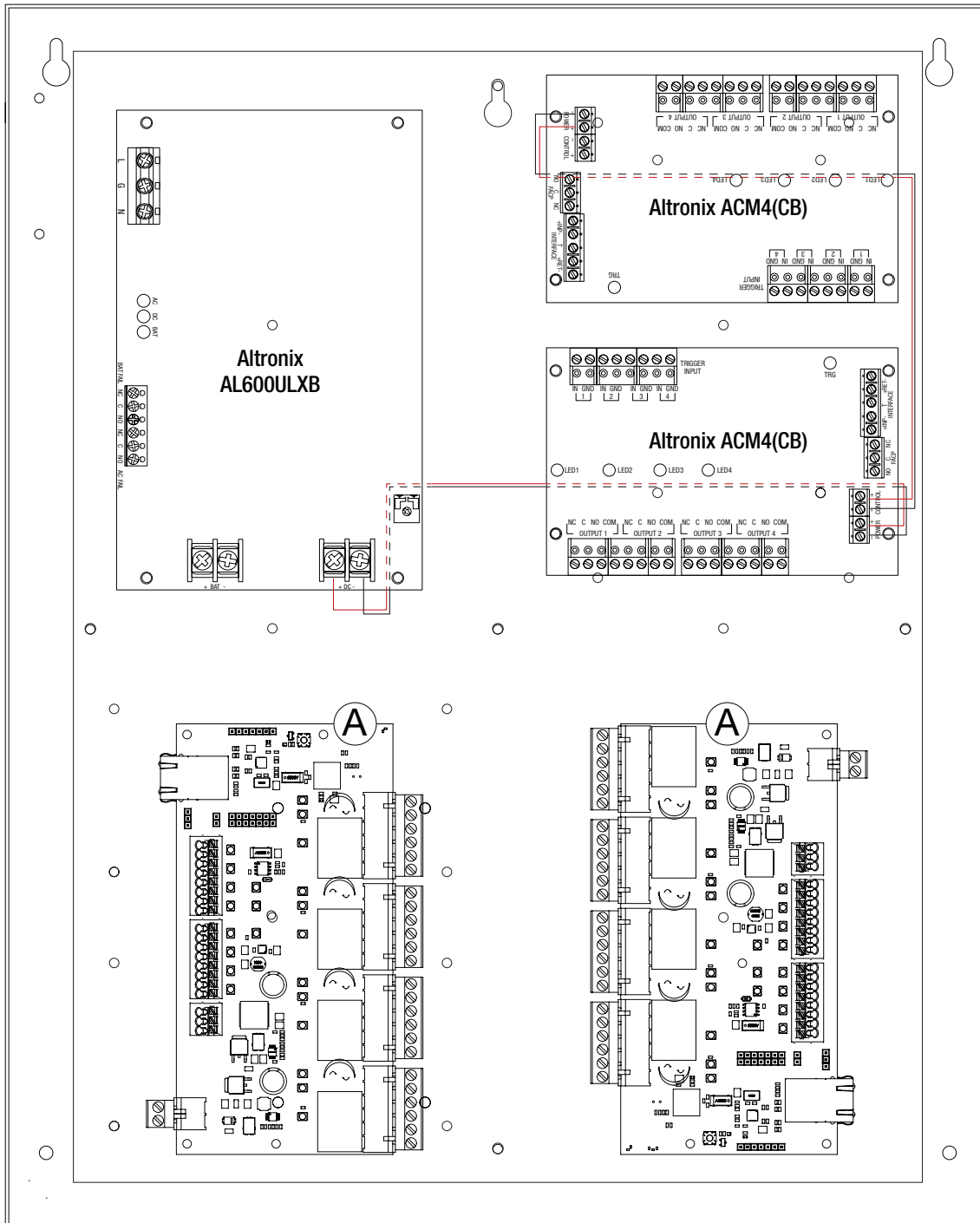*Fig. 2* - **T1KE34(D) Configuration**

Fig. 2a

T1KE38 and T1KE38D: Configuration of Kisi Pro Controllers:

1. Fasten mounting magnets (provided) to Kisi Pro Controllers with screws and spacers (provided) using the controllers' mounting holes *(Fig. 3, pg. 4)*.
2. Attach mounting magnets to TDR1 in the approximate position as shown below *(Fig. 3a, pg. 4)*.
   Note: Kisi Pro Controllers should be properly oriented.
   Please make sure that they are mounted correctly, as shown in *Fig. 3* below.
3. Fasten TDR1 backplane to Trove1 enclosure utilizing hardware (provided).

Access Controller Position Chart for the Following Models:

Kisi	Pem Mounting
Pro Controller	Ⓐ

Fig. 3 - **T1KE38(D) Configuration**

Fig. 3a

Trove KE ULXB Kits Installation Guide

T2KE3316 and T2KE3316D: Configuration of Kisi Pro Controllers:

1. Fasten mounting magnets (provided) to Kisi Pro Controllers with screws and spacers (provided) using the controllers' mounting holes *(Fig. 4, pg. 5)*.
2. Attach mounting magnets to TDR2 in the approximate position as shown below *(Fig. 4a, pg. 5)*.
   Note: Kisi Pro Controllers should be properly oriented.
   Please make sure that they are mounted correctly, as shown in *Fig. 4* below.
3. Fasten TDR2 backplane to Trove2 enclosure utilizing hardware (provided).

Access Controller Position Chart for the Following Models:

Kisi	Pem Mounting
Pro Controller	Ⓐ

Fig. 4 - **T2KE3316(D) Configuration**

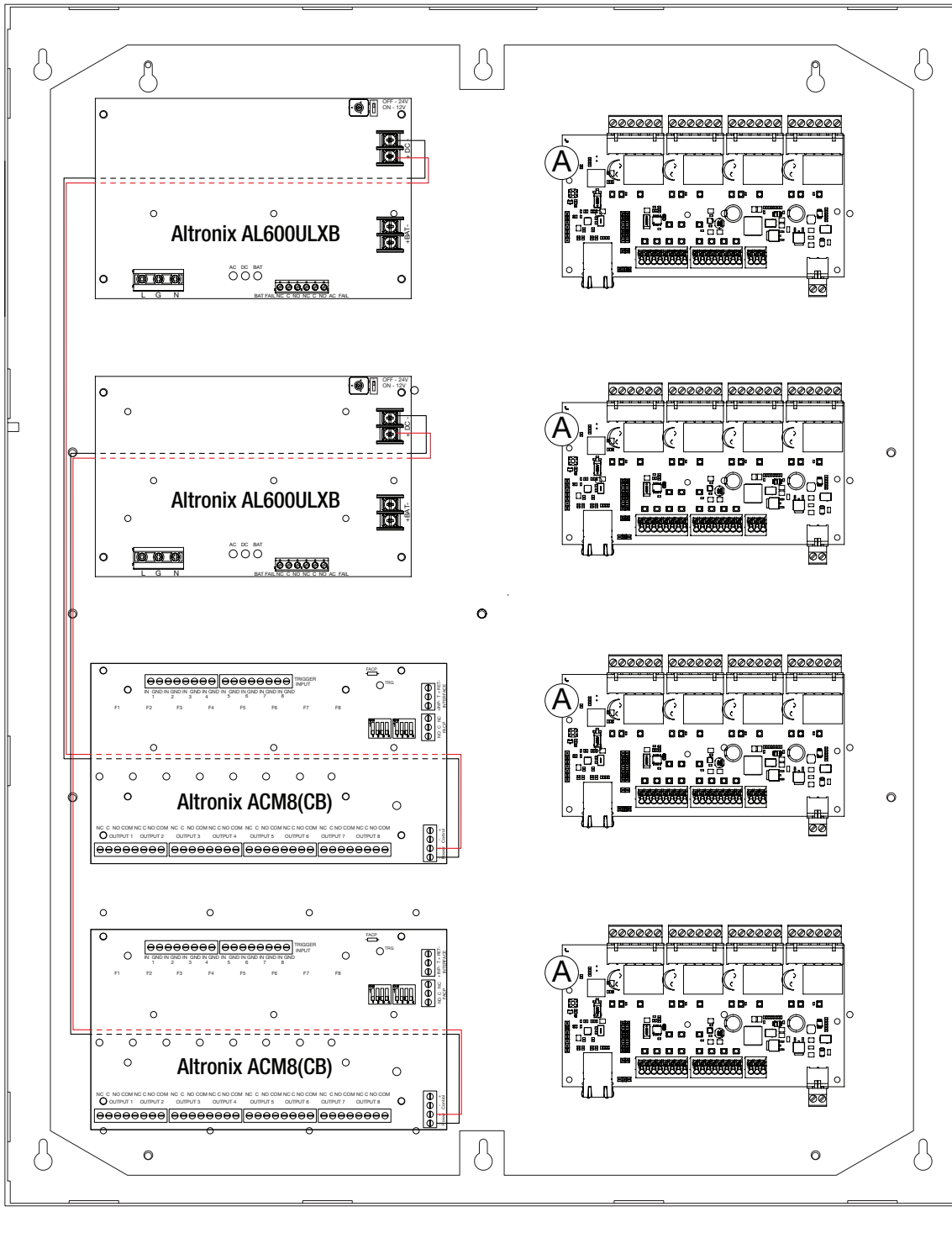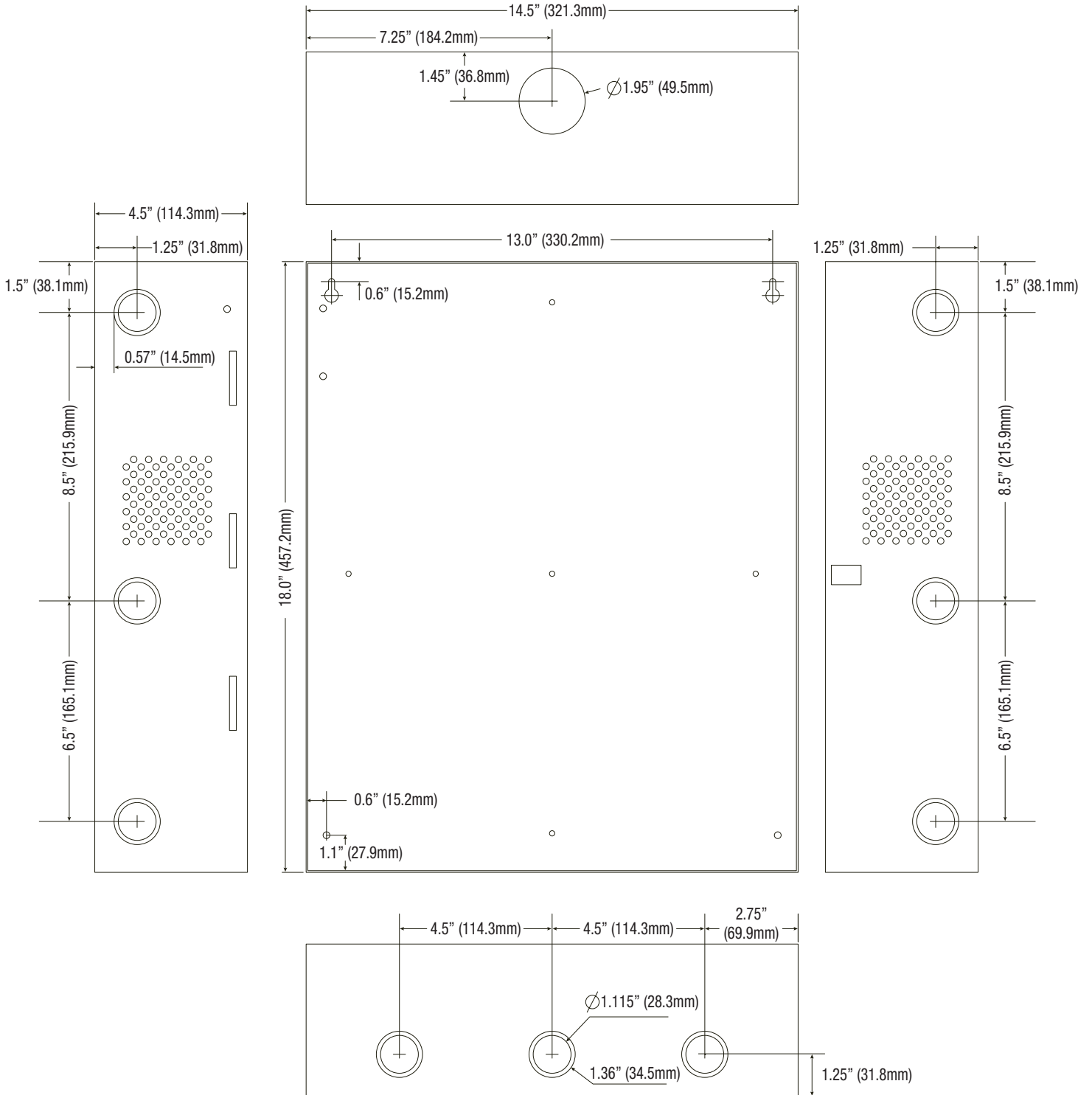*Fig. 4a*

T1KE34(D) and T1KE38(D) Enclosure Dimensions (H x W x D approximate):
18" x 14.5" x 4.625" (457mm x 368mm x 118mm)

T2KE3316(D) Enclosure Dimensions (H x W x D approximate):

27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)

21.50" (546.1mm)

2.00" (50.8mm)

5.25" (133.35mm) 3.5"(88.9mm) 3.5"(88.9mm) 5.25" (133.35mm)

2.00" (50.8mm)

1.25" (31.8mm)

0.685" (17.4mm)

0.5625" (14.3mm)

1.77" (45mm)

Knockouts 1.125" (28.3mm)

6.25" (158.8mm)

∅ 2.415" (61.3mm)

0.885" (22.5mm)

1.5" (38.1mm)

6.25" (158.8mm)

1.25" (31.8mm)

19.80" (502.9mm)

2.00" (50.8mm)

6.75" (171.5mm)

27" (685.8mm)

8.25" (209.5mm)

8.00" (203.2mm)

0.85" (21.6mm)

2.00" (50.8mm)

1.00" (25.4mm)

1.25" (31.8mm)

1.25" (31.8mm)

2.00" (50.8mm)

5.25" (133.4mm) 7.00" (177.8mm) 5.25" (133.4mm)

2.00" (50.8mm)

Notes:

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
website: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
llTrove KE ULXB Kits   J29X

- 8 -   Trove KE ULXB Kits Installation Guide