

# **Altronix/Keyscan Kits**

# **Models Include:**

# **T3KAK3316**

### 16 Door Kit with Fused Outputs

#### Fully assembled kit includes:

- Trove3 enclosure with TKA3 Altronix/Keyscan backplane
- (2) AL600ULXB Power Supply/Chargers
- (2) ACM8 Fused Access Power Controllers
- (1) PD4UL Fused Power Distribution Board
- (1) T16175 Transformer (packed separately)

# **T3KAK3316D**

### 16 Door Kit with PTC Outputs

#### Fully assembled kit includes:

- Trove3 enclosure with TKA3 Altronix/Keyscan backplane
- (2) AL600ULXB Power Supply/Chargers
- (2) ACM8CB PTC Access Power Controllers
- (1) PD4ULCB PTC Power Distribution Board
- (1) T16175 Transformer (packed separately)

Phone #:

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**



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Rev. T3KAK3316 090222

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_



More than just power.<sup>™</sup>

Address:

#### **Overview:**

Altronix T3KAK3316 and T3KAK3316D Trove Keyscan kits are pre-assembled and consist of Trove3KA3 enclosure/backplane with factory installed Altronix power supply/chargers, transformer and sub-assemblies. These kits also accommodate various combinations of Keyscan boards for up to sixteen (16) doors in a single enclosure.

Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Boards Input Fuse Rating	Nominal DC Output Voltage Range (V)	Maximum Supply Current for Main Outputs on each Power Supply board and each ACM8(CB) Access Power Controller's outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Current Per ACM8(CB) Output (A)	ACM8(CB) Board Input Fuse Rating	ACM8 Board Output Fuse Rating	ACM8CB Board Output PTC Rating	PD4UL Board Output Fuse Rating	PD4ULCB Board Output PTC Rating
T3KAK3316	7.0	5A/ 250V	20.19- 26.4	24VDC @ 5.8A	16	2.5	10A/ 250V	3.5A/ 250V	-	3.5A/ 250V	_
T3KAK3316			20.19- 26.4			2.5	10A/ 250V	_	2.5A	_	2.5A

#### Configuration Chart:

#### 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.

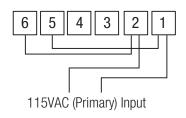
- 1. Remove backplane from enclosure. Do not discard hardware.
- 2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper 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.

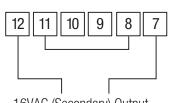
#### Mounting Included T16175 Transformer: 4.

To prevent damage, T16175 is packed separately and needs to be installed by the user. It is to be mounted on the left of the backplane, next to PD4UL power distribution board. Please follow the steps below:

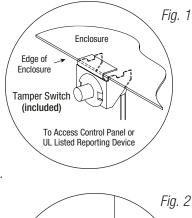
- a. Orient T16175 so the terminals are facing down (Fig. 4, 4a, pg. 3).
- b. Put T16175's upper mounting holes over two mounting pems on backplane and secure with two (2) lock nuts (Fig. 4, 4a, pg. 3).
- Use included mounting bracket to secure T16175's lower mounting holes. Align pems on the C. bracket with T16175's lower mounting holes and corresponding holes in the backplane. Push the bracket's pems through the holes and secure from the back side of the backplane with two (2) lock nuts (Fig. 2, pg. 2).
- d. Connect AC power 115VAC, 50/60Hz to primary leads (black and white) from terminal numbers 1 and 2 (Fig. 3, pg. 2).
- Measure output voltage across the secondary leads (yellow and blue) from terminal numbers 7 and 12 (Fig. 3, pg. 2) before connecting e. devices. This helps avoiding potential damage.
- Connect PD4UL (factory mounted) to the secondary leads (yellow and blue) from terminal numbers 7 and 12 (Fig. 3, pg. 2). f.
- 5. Mount Keyscan boards to backplane, refer to page 3.
- Refer to the ULXB Power Supply/Charger Installation Guide for AL600ULXB, corresponding Sub-Assembly Installation Guide for 6. ACM8(CB) abd PD4UL(C) and T16175 Installation Guide for T16175 for further installation instructions.

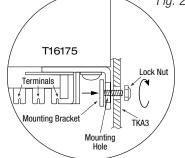
#### Fig. 3 - T16175 Wiring Configuration





16VAC (Secondary) Output

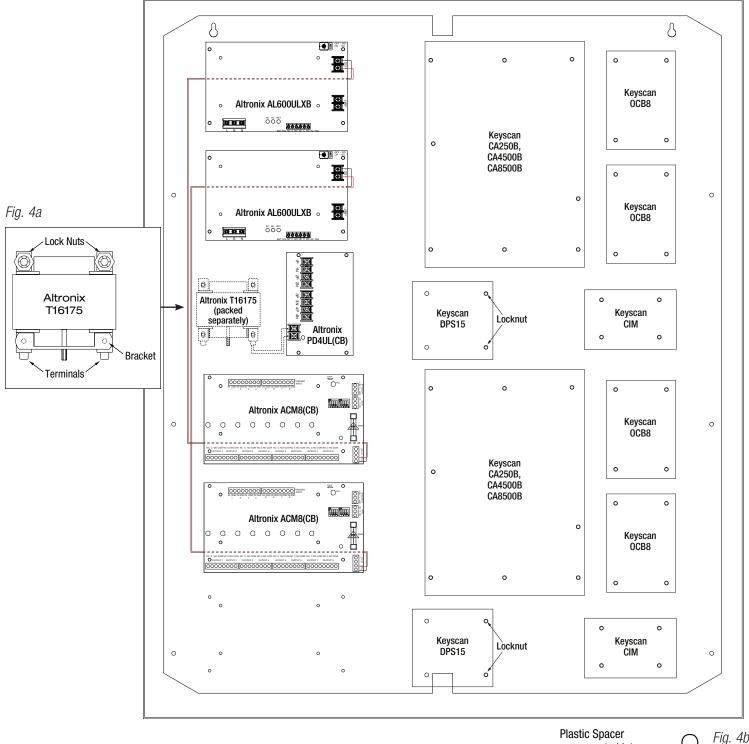


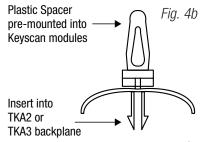


#### T3KAK3316(D): Configuration of Keyscan Boards

- 1. Mount appropriate Keyscan boards into the correct positions (*Fig. 4, pg. 3*) by postioning spacers over appropriate holes in the backplane and depressing down on board to secure spacer to the backplane (*Fig. 4b, pg. 3*).
- 2. Fasten backplane to Trove2 enclosure utilizing pan head screws (provided).

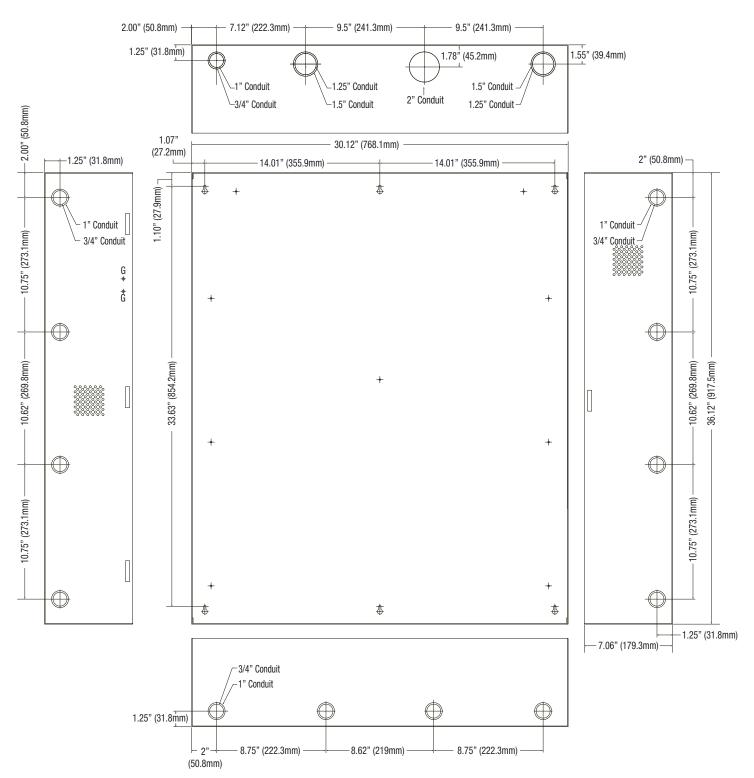
#### Fig. 4





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

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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