

## T3KAK33F16

### 16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TKA3 Altronix/Keyscan backplane
- (2) eFlow6NB - Power Supply/Chargers
- (2) ACM8 - Fused Access Power Controllers
- (1) PD4UL - Fused Power Distribution Board
- (1) T16175 Transformer (packed separately)

## Installation Guide

All components of this Trove kit are UL Listed sub-assemblies.

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



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Rev. T3KAK33F16\_112119

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

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

Altronix T3KAK33F16 Trove Keyscan kit is pre-assembled and consist of Trove3KA3 enclosure/backplane with factory installed Altronix power supply/chargers, transformer, and sub-assemblies. This kit also accommodates various combinations of Keyscan boards for up to sixteen (16) doors in a single enclosure.

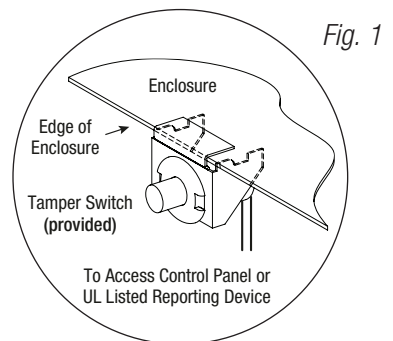
## Configuration Chart:

Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Boards Input Fuse Rating	Power Supply Boards Battery Fuse Rating	Nominal DC Output Voltage		Maximum Supply Current for Main and Aux. Outputs on each Power Supply board and each ACM8 Access Power Controller's outputs	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Current Per ACM8 Output (A)	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating	PD4UL Board Output Fuse Rating
				[DC]	[Aux]						
				24VDC Output Range (V)	24VDC Output Range (V)						
T3KAK33F16	7.0	5A/ 250V	10A/ 32V	20.19- 26.4	20.19- 26.4	24VDC @ 5.8A	16	2.5	10A/ 250V	3.5A/ 250V	3.5A/ 250V

## 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.



### 4. Mounting Included T16175 Transformer:

- 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*).
  - c. Use included mounting bracket to secure T16175's lower mounting holes. Align pems on the 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*).
  - e. Measure output voltage across the secondary leads (yellow and blue) from terminal numbers 7 and 12 (*Fig. 3, pg. 2*) before connecting devices. This helps avoiding potential damage.
  - f. Connect PD4UL (factory mounted) to the secondary leads (yellow and blue) from terminal numbers 7 and 12 (*Fig. 3, pg. 2*).
5. Mount Keyscan boards to backplane, refer to *page 3*.
  6. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, *ACM8/CB Installation Guide* for ACM8, and *T16175 Installation Guide* for T16175 for further installation instructions.

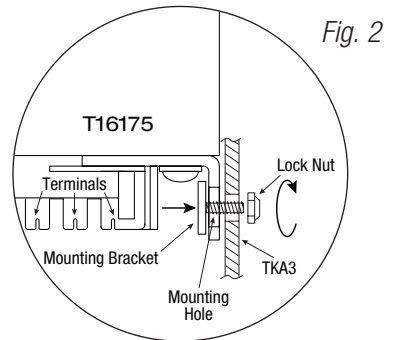
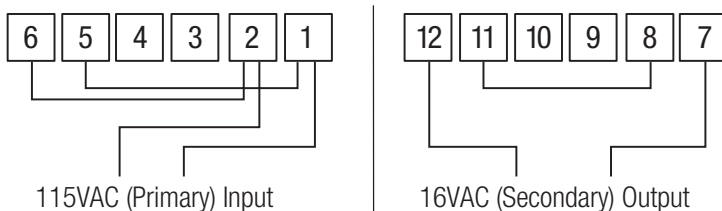


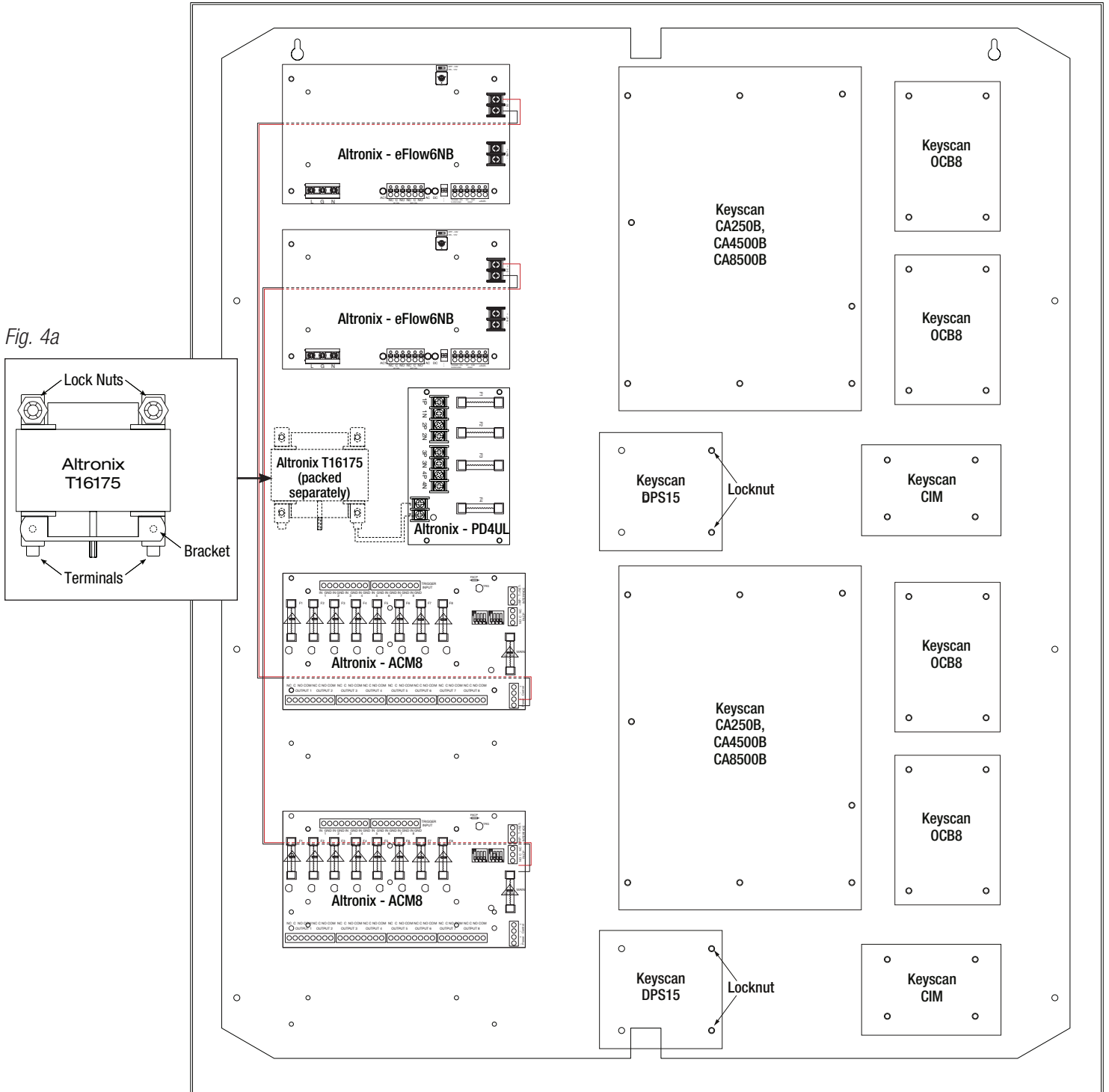
Fig. 3 - T16175 Wiring Configuration



## T3KAK33F16: Configuration of Keyscan Boards

1. Mount appropriate Keyscan boards into the correct positions (*Fig. 4, pg. 3*) by positioning 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



Plastic Spacer pre-mounted into Keyscan modules

Insert into TKA2 or TKA3 backplane

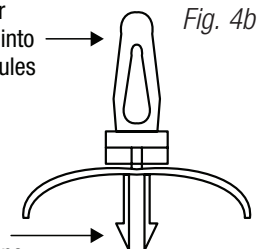
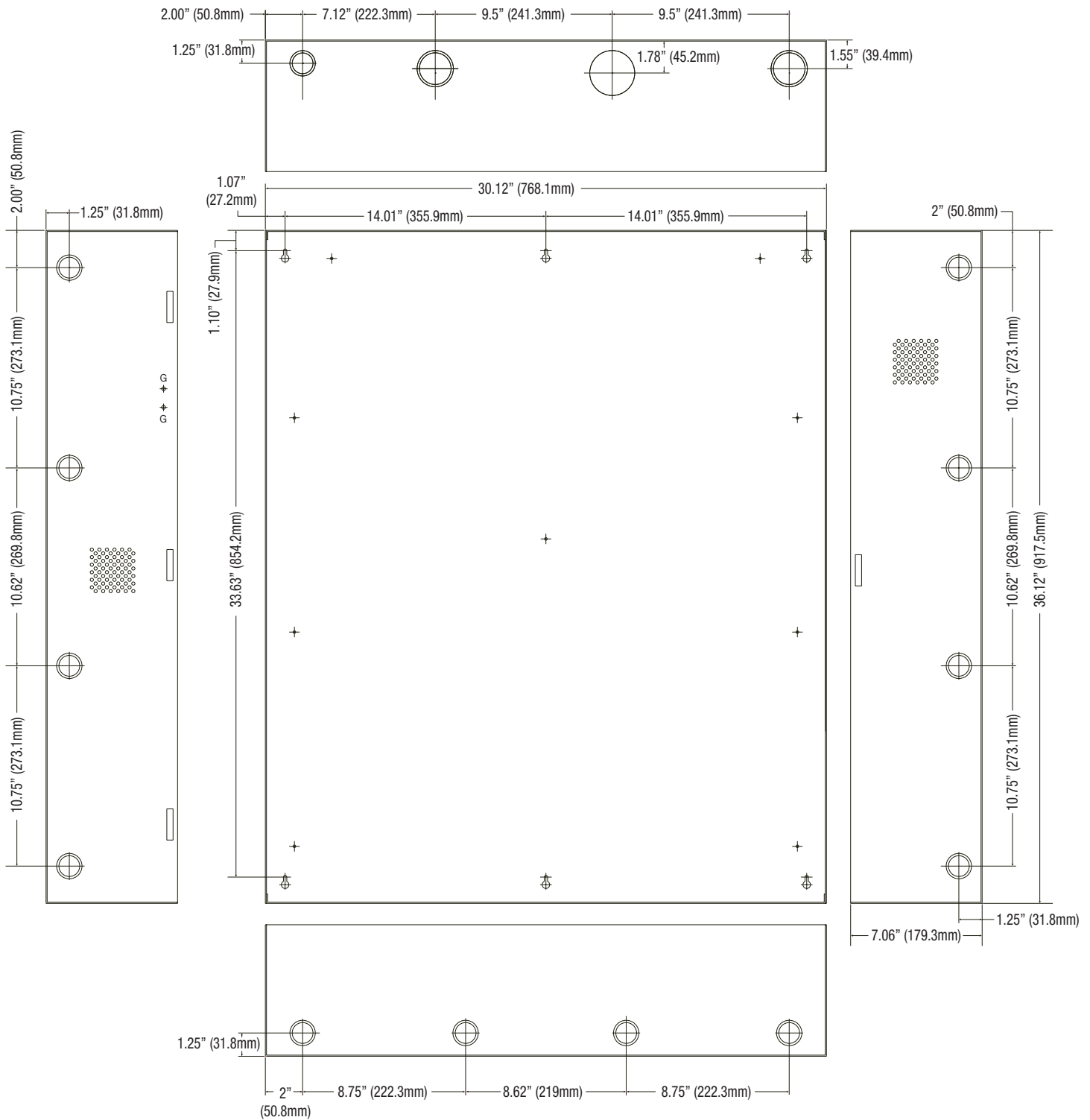


Fig. 4b

## 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.

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