TROVE™

Access & Power Integration

Altronix/Keyscan Kits

Models Include:

T2KK3F8

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TKA2 Altronix/Keyscan backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) ACM8 - Fused Access Power Controller
- (1) T16100 Transformer

T2KK3F8D

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TKA2 Altronix/Keyscan backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) ACM8CB - PTC Access Power Controller
- (1) T16100 Transformer

T2KK3F8Q

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TKA2 Altronix/Keyscan backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) LINQ2 - Network Communications Module
- (1) ACM8 - Fused Access Power Controller
- (1) T16100 Transformer

T2KK3F8DQ

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TKA2 Altronix/Keyscan backplane
- (1) eFlow6NB - Power Supply/Charger
- (1) LINQ2 - Network Communications Module
- (1) ACM8CB - PTC Access Power Controller
- (1) T16100 Transformer

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

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Rev. TKK072817

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Keyscan kits are pre-assembled and consist of Trove2KA2 enclosure/backplane with factory installed Altronix power supply/charger, transformer, and sub-assemblies. These kits also accommodate various combinations of Keyscan boards for up to eight (8) doors in a single enclosure.

Configuration Chart:

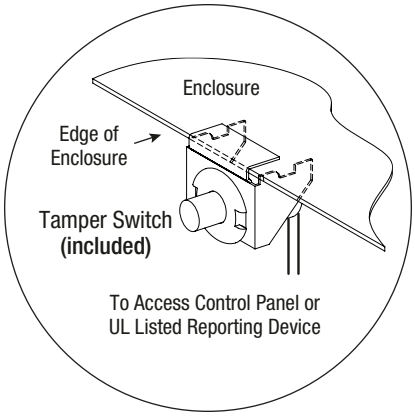
Altronix Model Number	Networkable	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage [DC] 24VDC Output Range (V)	Nominal DC Output Voltage [Aux] 24VDC Output Range (V)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controller's outputs (A)	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs	Current Per ACM8(CB) Output (A)	ACM8(CB) Board Input Fuse Rating	ACM8(CB) Board Output Fuse (PTC) Rating
T2KK3F8	–	3.5	5A/ 250V	10A/ 32V	20.19-26.4	20.19-26.4	24VDC @ 5.8A	8	2.5	10A/ 250V	3.5A/ 250V
T2KK3F8Q	✓	3.5	5A/ 250V	10A/ 32V	20.19-26.4	20.19-26.4	24VDC @ 5.8A				
T2KK3F8D	–	3.5	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 5.8A		2.0	10A/ 250V	2.5A
T2KK3F8DQ	✓	3.5	6.3A/ 250V	15A/ 32V	20.17-26.4	20.28-26.4	24VDC @ 5.8A				

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. Connect unswitched AC power (120VAC 60Hz) to terminals marked [L, N].
   Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground.
   Green "AC" LED on power supply board will turn on.
   This light can be seen through the LED lens on the door of the enclosure.
   Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.
   CAUTION: Do not touch exposed metal parts.
   Shut branch circuit power before installing or servicing equipment.
   There are no user serviceable parts inside.
   Refer installation and servicing to qualified service personnel.
5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount Keyscan boards to backplane, refer to *page 3.*
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, corresponding *Sub-Assembly Installation Guide* for ACM8(CB) and LINQ2, and *T16100 Installation Instructions* for T16100 for further installation instructions.

Fig. 1



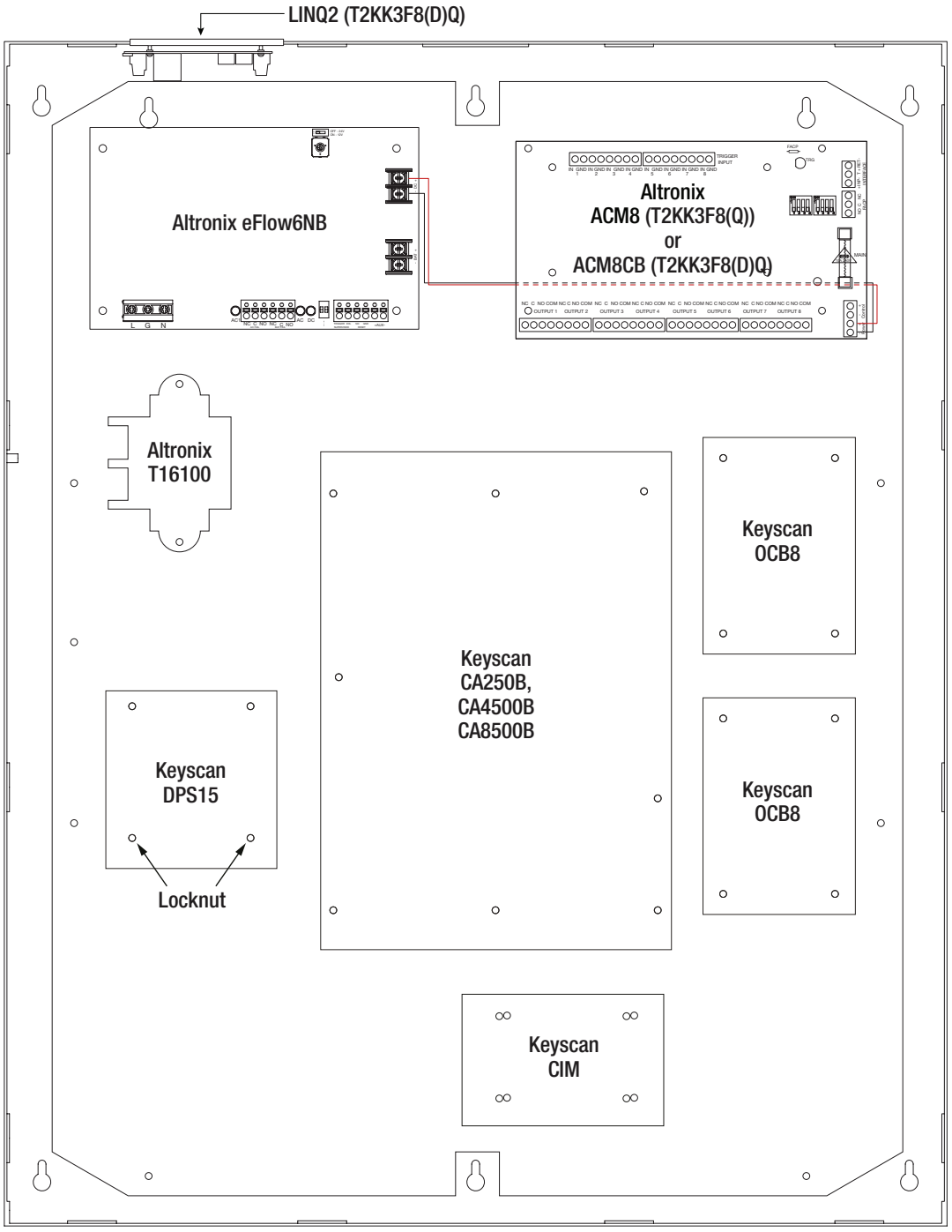
Hardware:

Nylon Spacer | Metal Spacer | Pan Head Screw | Lock Nut

T2KK3F8(D)(Q): Configuration of Keyscan Boards

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

Fig. 2



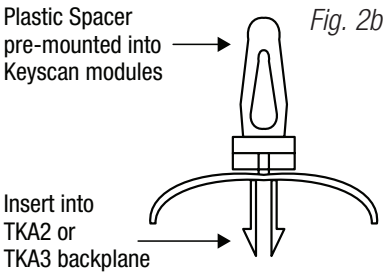
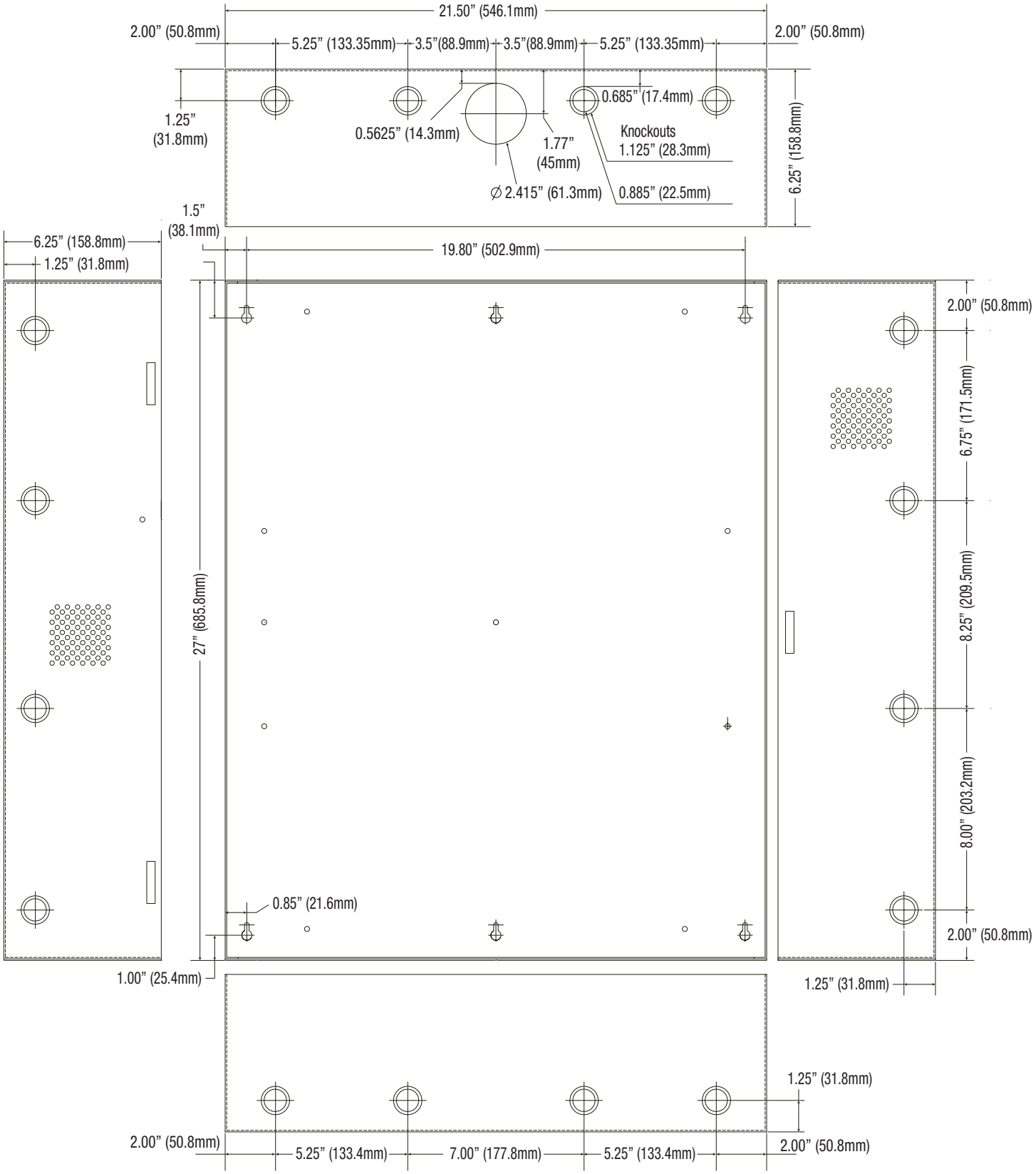


Fig. 2b

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

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



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