



Access & Power Integration

Altronix/HID Aero Wired Kits

Models Include:

T2V7XK1

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TV2 Altronix/HID Aero backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and finger ducts for one (1) X1100 and three (3) X100

T2V7XK1D

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TV2 Altronix/HID Aero backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and finger ducts for one (1) X1100 and three (3) X100

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

Installation Guide



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Rev. 121823

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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Overview:

Altronix T2V7XK1(D) Trove HID Aero kit is pre-assembled and consists of Trove enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies. It also accommodates a variety of HID Aero modules for up to eight doors in a single enclosure.

Configuration Chart:

Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB) Access Power Controllers' outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure Outputs	Additional Fuse (PTC) Protected Outputs	ACMS8(CB) Board Input Fuse (PTC) Rating	ACM4(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
					[DC]	[Aux]						
					Output Range (VDC)	Output Range (VDC)						
T2V7XK1	4.5	6.3A/250V	15A/32V	24VDC @ 9.7A	20.17-26.4	20.28-26.4	8	8	15A/32V	3A/32V	10A/32V	3A/32V
T2V7XK1D									9A	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.

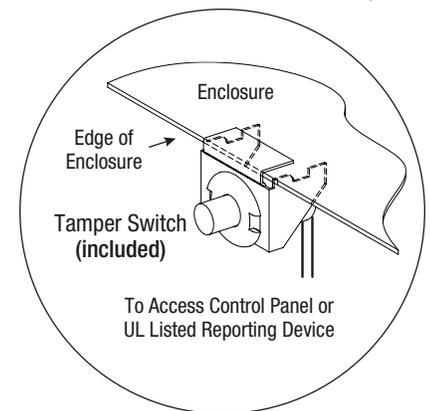
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper 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 RSB1. 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.

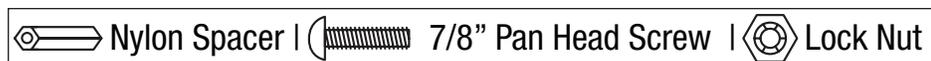
Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.
CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.
Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount HID Aero modules to backplane, refer to *page 3*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Installation Guides* for PDS8(CB), VR6, ACMS8(CB) for further installation instructions.

Fig. 1



Hardware:



T2V7XK1 and T2V7XK1D: Installation Instructions for HID Aero Access Controllers

1. Fasten spacers (provided) onto metal pems configuration (A), (B), (C), (D) of backplane (Fig. 2, pg. 3).
2. Mount HID Aero modules to spacers utilizing 7/8" pan head screws (provided) (Fig. 2a, pg. 3).
3. Fasten backplane to Trove2 enclosure utilizing hardware (provided).

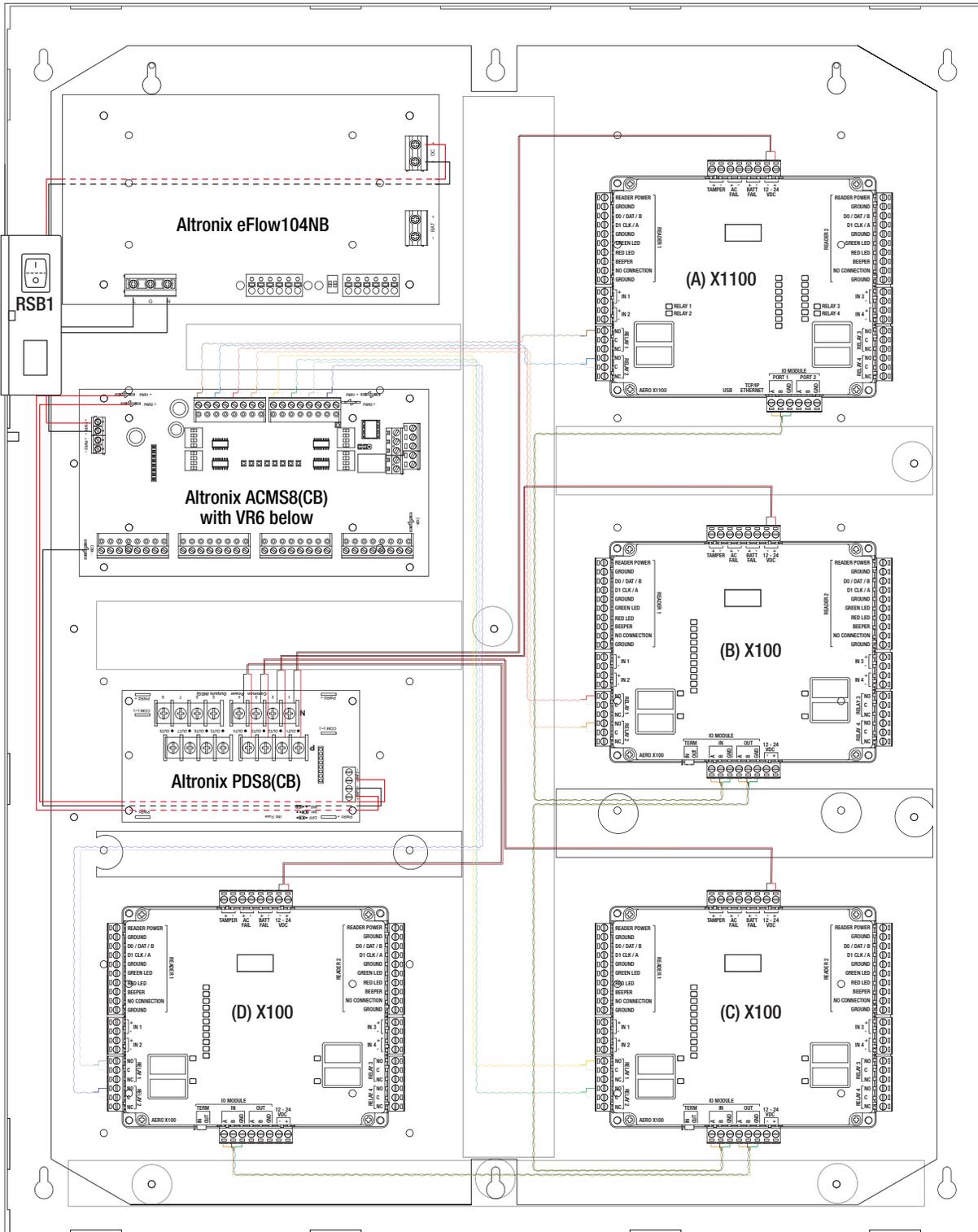


Fig. 2

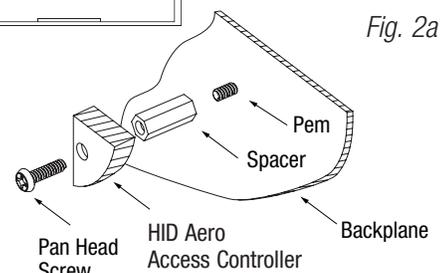


Fig. 2a

