



Access & Power Integration

Altronix/HID Aero Wired Kits

Models Include:

T1V3CK1

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TV1 Altronix/HID Aero backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) ACM4 - Fused Access Power Controller
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses for one (1) X1100 and one (1) X100

T1V3CK1D

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TV1 Altronix/HID Aero backplane
- One (1) eFlow6NB - Power Supply/Charger
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) VR6 - Voltage Regulator
- One (1) ACM4CB - PTC Access Power Controller
- One (1) Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses for one (1) X1100 and one (1) 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 T1V3CK1(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 four 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 ACM4(CB) Access Power Controllers' outputs	Nominal DC Output Voltage		Fail-Safe/Fail-Secure Outputs	Additional Fuse (PTC) Protected Outputs	ACM4(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)						
T1V3CK1	3.5	5A/250V	15A/32V	24VDC @ 5.7A	20.17-26.4	20.28-26.4	4	8	10A/32V	3A/32V	10A/32V	3A/32V
T1V3CK1D									9A	2.5A	9A	2.5A

Installation Instructions:

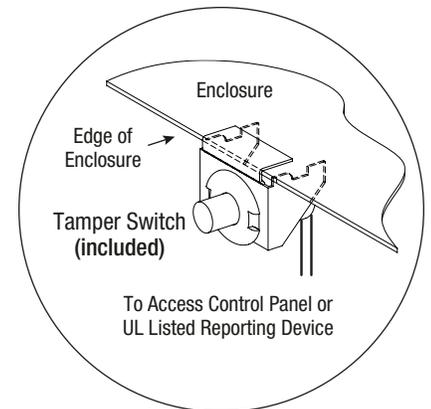
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws; level and secure. Mark the position of the lower two holes. Remove the enclosure. Drill the lower holes and install the two fasteners. Place the enclosure's upper keyholes over the two upper screws. Install the two 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.

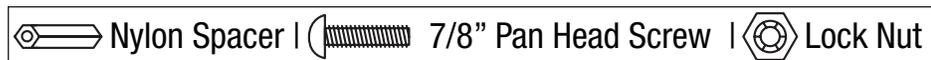
Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.
CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.
Refer 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 eFlow6NB and corresponding *Installation Guides* for PDS8(CB), VR6, ACM4(CB) for further installation instructions.

Fig. 1



Hardware:



T1V3CK1 and T1V3CK1D: Installation Instructions for HID Aero Access Controllers

1. Fasten spacers (provided) onto metal pems configuration (A), (B) 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 Trove1 enclosure utilizing hardware (provided).

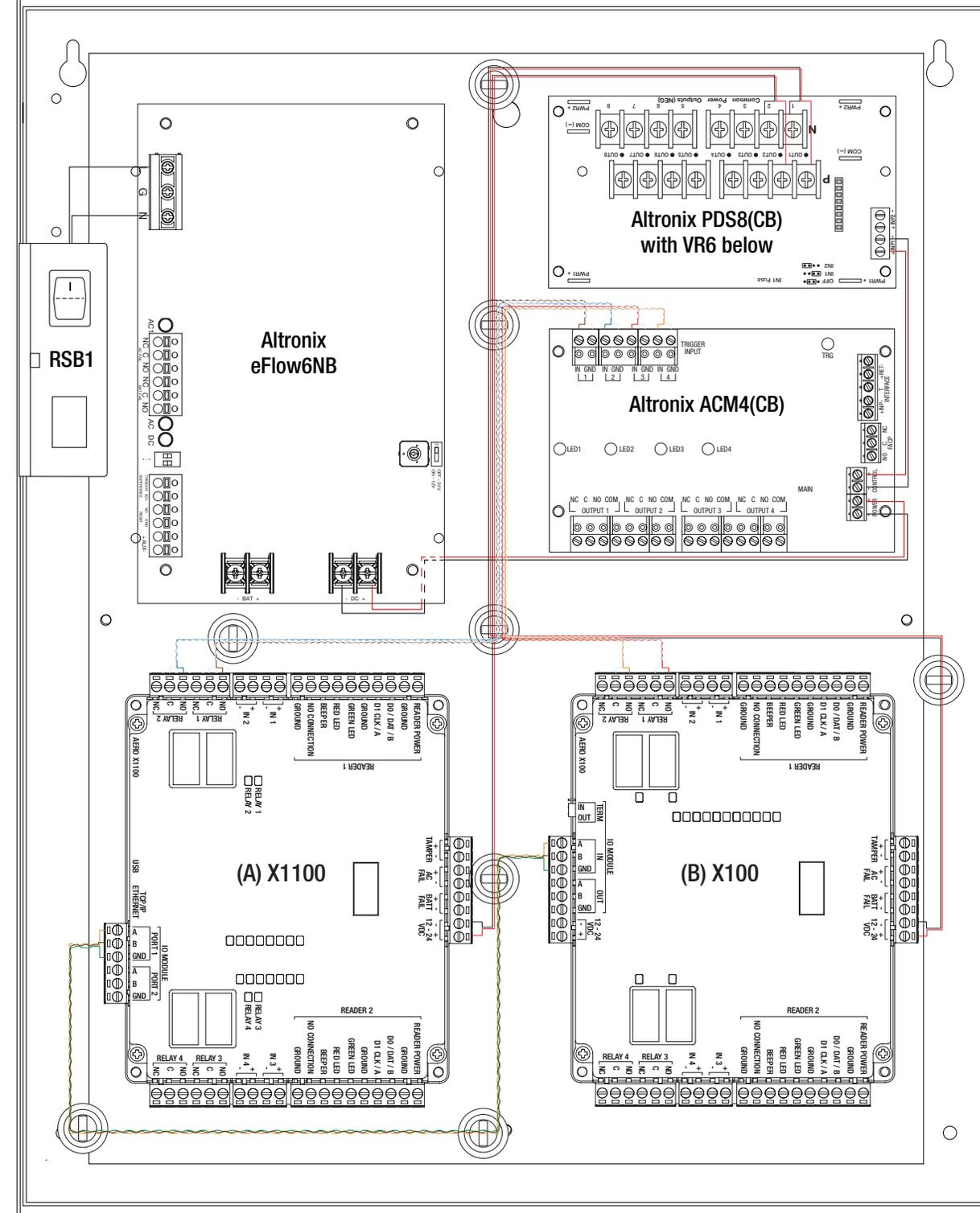


Fig. 2

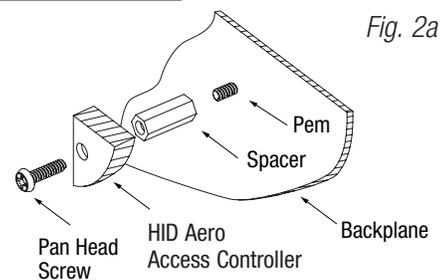


Fig. 2a

