

Access & Power Integration

Altronix/Software House Wired Kits

Models Include:

T2SH7XK1

8 Door Kit with Fused Outputs

Accommodates one (1) iStar Ultra GCM/GCM G2 Controller and one (1) iStar Ultra ACM Access Control Module.

Fully assembled kit includes:

- Trove2 enclosure with TSH2 Altronix/Software House backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and finger duct

T2SH7XK1D

8 Door Kit with PTC Outputs

Accommodates one (1) iStar Ultra GCM/GCM G2 Controller and one (1) iStar Ultra ACM Access Control Module.

Fully assembled kit includes:

- Trove2 enclosure with TSH2 Altronix/Software House backplane
- One (1) eFlow104NB - Power Supply/Charger
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and finger duct

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

Installation Guide



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Rev. T2SHXK041625

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



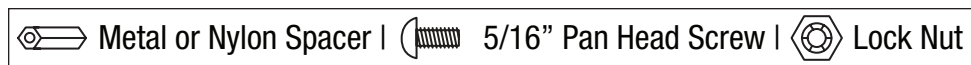
Overview:

Altronix Trove Plus kits are pre-wired, pre-assembled and consist of Trove2SH2 enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies, wire harnesses and finger duct.

Configuration Chart:

Altronix Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACMS8(CB) Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB) and PDS8(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB)Board Input Fuse (PTC) Rating	ACMS8(CB) and PDS8(CB) Board Output Fuse (PTC) Rating
				Power Supply 1		Power Supply 2							
				[DC]	[Aux]	[DC]	[Aux]						
				Output Range (VDC)	Output Range (VDC)	Output Range (VDC)	Output Range (VDC)						
T2SH7XK1	4.5	6.3A/ 250V	15A/ 32V	20.17- 26.4	20.28- 26.4	20.17- 26.4	20.28- 26.4	24VDC @ 9.4A	8	2.5	15A/ 32V	10A/ 32V	3A/ 32V
T2SH7XK1D										2.0	9A	9A	2.5A

Hardware and Accessories:



- Two (2) tamper switches (Altronix Model TS112 or equivalent).
- Cam lock.
- Battery leads.

Mechanical:

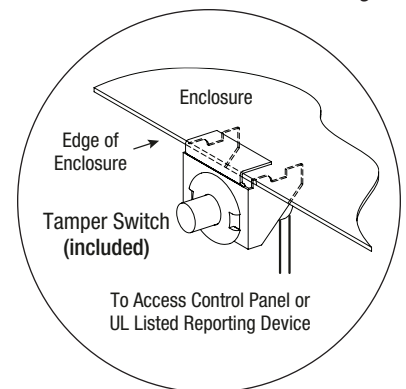
- 16 Gauge enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm).

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 switches (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. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for PDS8(CB), VR6 and ACMS8(CB) for further installation instructions.
7. Mount Software House boards to backplane, refer to *page 3*.
8. Mount backplane to enclosure with hardware.

Fig. 1



T2SH7XK1 (T2SH7XK1D) Configuration:

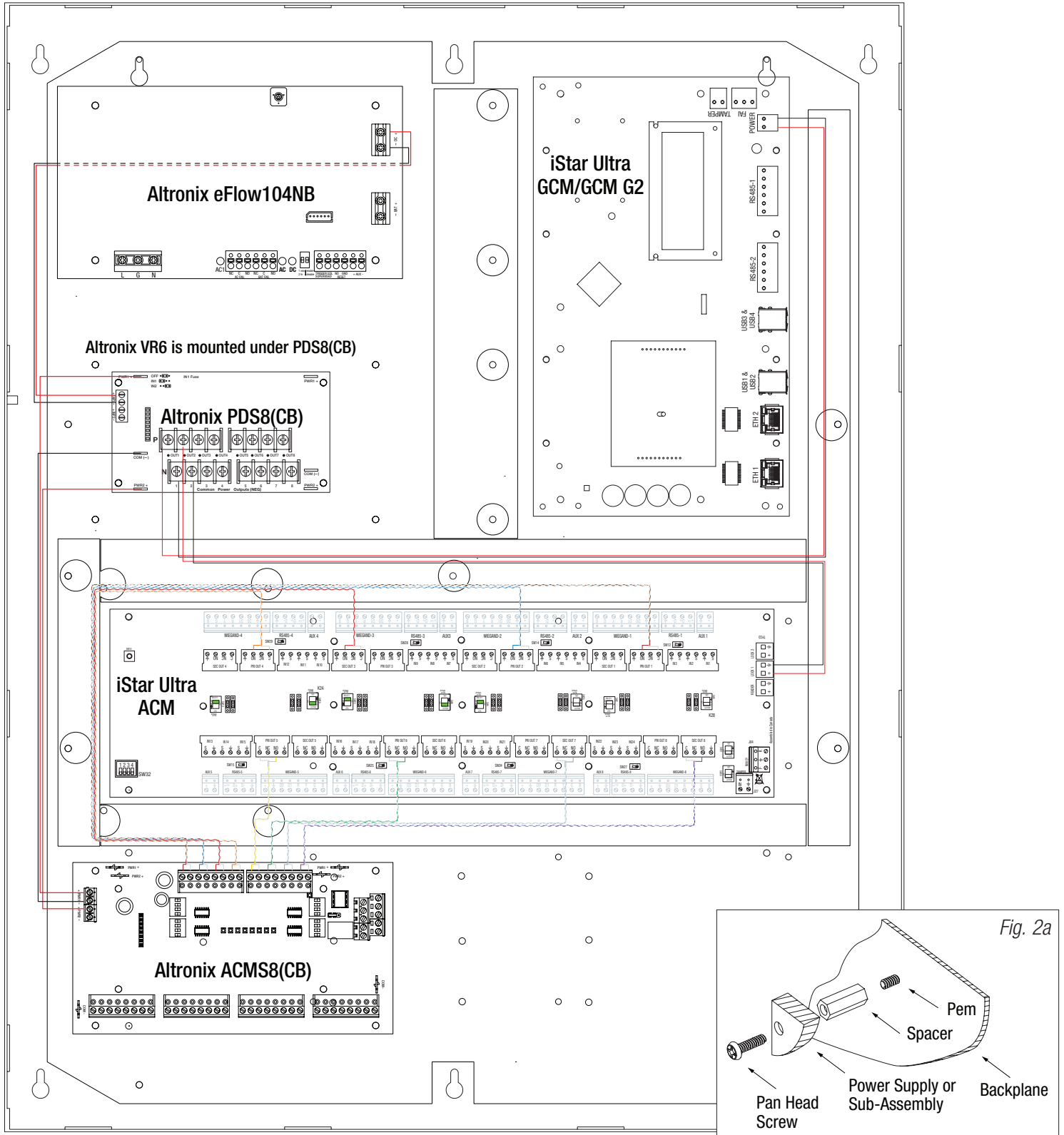
1. Align the Software House boards on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten spacers (provided) to pems that match the hole pattern for Software House iSTAR Ultra GCM, iSTAR Ultra ACM, iSTAR Ultra ACM SE and/or I8, R8, I8-CSI boards (Fig. 2, 2a, pg. 3).
3. Mount Software House boards to spacers utilizing provided meatal spacers and 5/16" pan head screws (Fig. 2a, pg. 3).

Note: Software House iSTAR Ultra ACM and iSTAR Ultra ACM SE boards have one (1) USB port each.

Please orient the board in the appropriate position according to the Fig. 2 below.

4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2



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

