

Access & Power Integration

Altronix/Software House Wired Kits

Models Include:

T2SH7CK1PQ

8 Door Kit with Fused Outputs

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) LINQ8PD - Networked Fused Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and mounting magnets for one (1) iStar Ultra GCM/GCM G2 and one (1) iStar Ultra ACM

T2SH7CK1PDQ

8 Door Kit with PTC Outputs

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) LINQ8PDCB - Networked PTC Power Distribution Module
- One (1) RSB1 - Rocker Switch Bracket with One (1) Rocker Switch
- Wire harnesses and mounting magnets for one (1) iStar Ultra GCM/GCM G2 and one (1) iStar Ultra ACM

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

Installation Guide



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Rev. 060325

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



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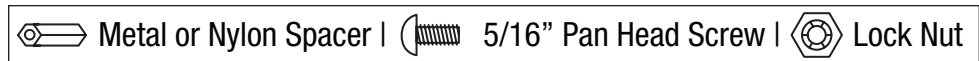
Overview:

Altronix Trove Plus kits are pre-wired, pre-assembled and consist of Trove2SH2 enclosure/backplane with factory installed Altronix power supply/charger(s) 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 Control Module's outputs	Fail-Safe/Fail-Secure Outputs	Current Per ACMS8(CB) and LINQ8PD(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) Board Output Fuse (PTC) Rating	LINQ8PD(CB) Board Input Fuse Rating	LINQ8PD(CB) Board Output Fuse (PTC) Rating
				[DC]	[Aux]							
T2SH7CK1PQ	4.5	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	24VDC @ 9.4A	8	2.5	15A/32V	3A/32V	15A/32V	3A/32V
T2SH7CK1PDQ								2.0	9A	2.5A	15A/32V	2.5A

Hardware and Accessories:



- One (1) tamper switch (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 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.

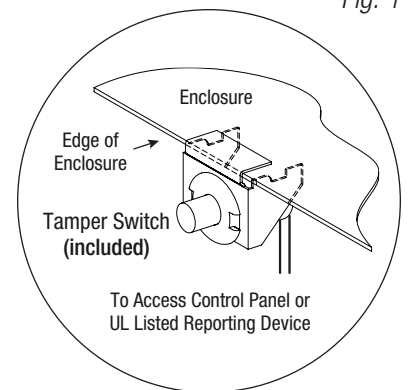
Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

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 Software House boards to backplane, refer to *page 3*.
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow104NB and corresponding *Sub-Assembly Installation Guides* for ACMS8(CB), VR6 and LINQ8PD(CB) for further installation instructions.
8. Mount backplane to enclosure with hardware.

Fig. 1

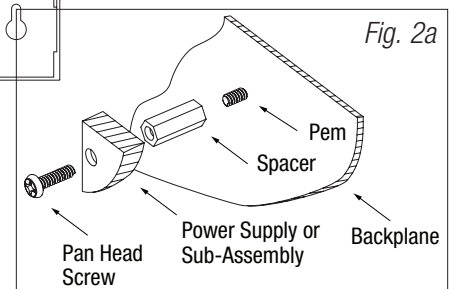
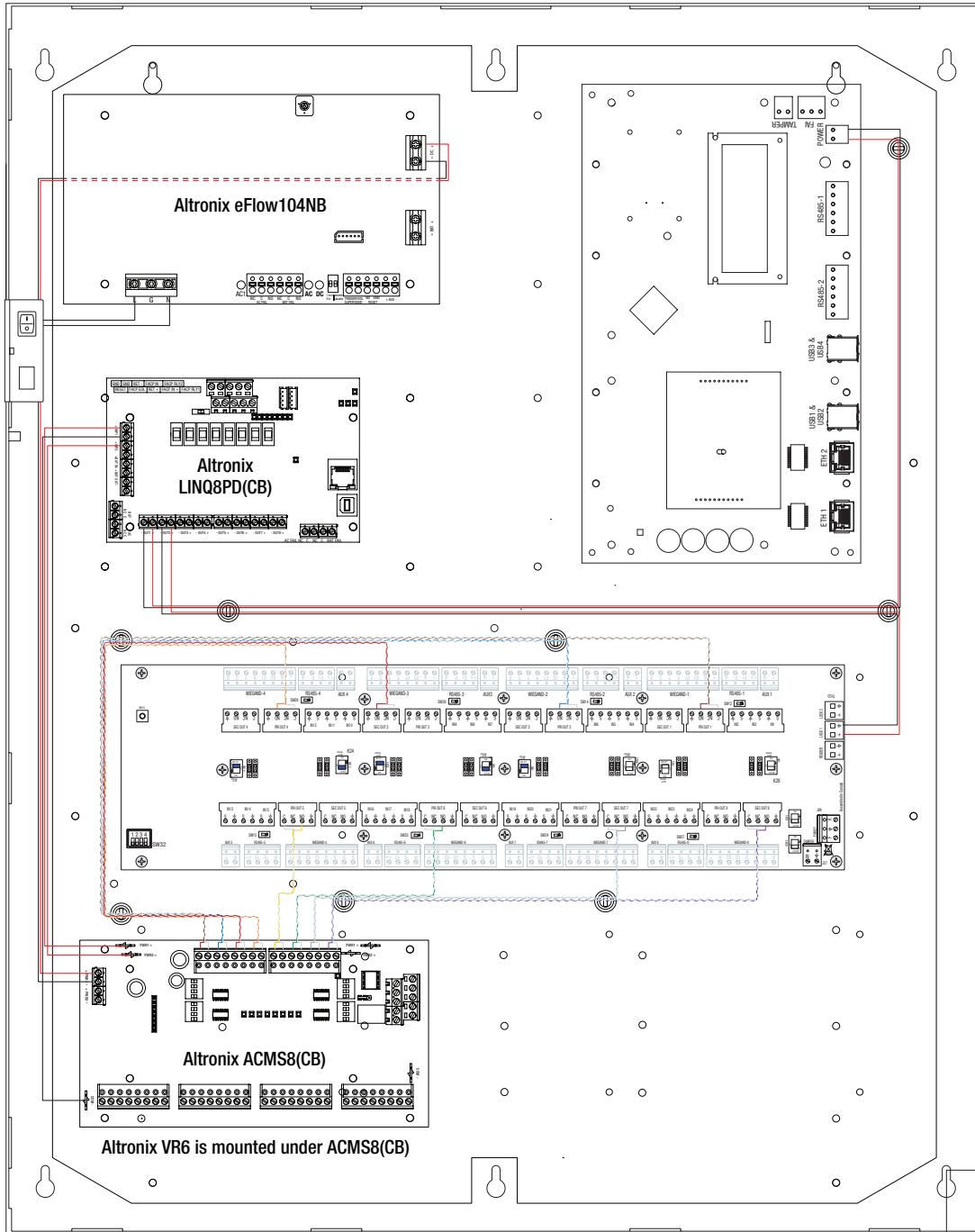


T2SH7CK1P(D)Q Configuration:

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 and iSTAR Ultra ACM 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).

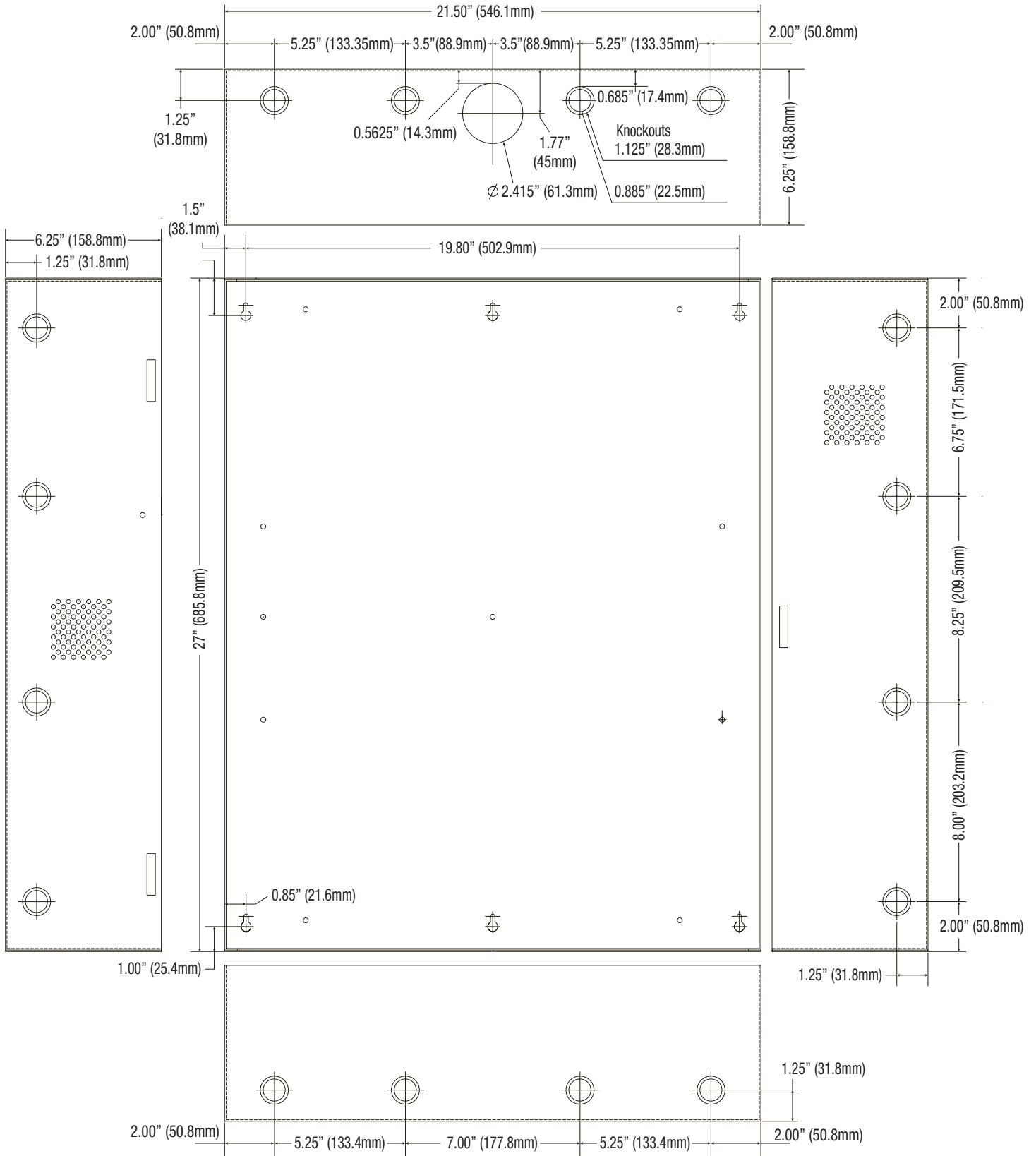
Note: Software House iSTAR Ultra ACM boards have one (1) USB port each.
Please orient the board in the appropriate position according to the Fig. 2 below.
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2



Trove2 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.

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