TROVE™

Access & Power Integration

Altronix/Software House Kits

Models Include:

T3SK75F16SPQV

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TSH3 Altronix/Software House backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) eFlow102NBV - Power Supply/Charger
- One (1) LINQ2 - Network Communication Module
- One (1) PDS16 - Fused Dual Input Power Distribution Module
- One (1) Rocker Switch Bracket with Two (2) Rocker Switches

T3SK75F16SPDQV

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TSH3 Altronix/Software House backplane
- One (1) eFlow104NBV - Power Supply/Charger
- One (1) eFlow102NBV - Power Supply/Charger
- One (1) LINQ2 - Network Communication Module
- One (1) PDS16CB - PTC Dual Input Power Distribution Module
- One (1) Rocker Switch Bracket with Two (2) Rocker Switches

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

Installation Guide

CE

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Rev. 091324

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Software House kits are pre-assembled and consist of Trove enclosure with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of Software House boards for up to sixteen (16) doors in a single enclosure.

Configuration Chart:

Altronix Model Number	220VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage Range				Maximum Supply Current for Main Output on Power Supply board and PDS16(CB) Power Distribution Module's outputs (A)	Fuse or PTC Protected Outputs	Current Per PDS16(CB) Output (A)	PDS16(CB) Board's Input Fuse (PTC) Rating	PDS16(CB) Board's 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)					
T3SK75F16SPQV	4.8	eFlow104NBV: 6.3A/250V	15A/ 32V	20.17-26.4	20.28-26.4	20.17-26.4	20.28-26.4	24VDC @ 10A	16	2.5	15A/ 32V	3A/ 32V
T3SK75F16SPDQV	4.8	eFlow102NBV: 5A/250V	15A/ 32V	20.17-26.4	20.28-26.4	20.17-26.4	20.28-26.4	24VDC @ 10A	16	2.0	9A	2.5A

Hardware and Accessories:

Metal or Nylon Spacer | 5/16" Pan Head Screw | Lock Nut

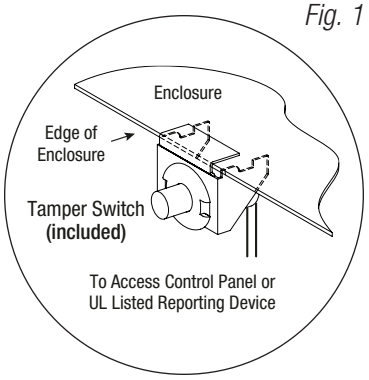
- Two (2) tamper switches (Altronix Model TS112 or equivalent).
- Cam lock.
- Battery leads.

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 (220VAC 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 (220VAC 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 eFlow104NBV and eFlow102NBV and corresponding *Sub-Assembly Installation Guides* for the following models: PDS16(CB) and LINQ2 for further installation instructions.

Fig. 1



T3SK75F16SP(D)QV: Configuration of Software House iSTAR Ultra ACM Boards

1. Align the Software House boards on the backplane to match the boards' mounting holes with pems provided.
2. Fasten spacers (provided) to pems that match the hole pattern for Software House iSTAR Ultra GCM, iSTAR Ultra ACM, and/or I8, R8, I8-CSI boards *(Fig. 2, 2a, pg. 3)*.
3. Mount Software House boards to spacers utilizing provided 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 Trove3 enclosure utilizing lock nuts (provided).

Fig. 2

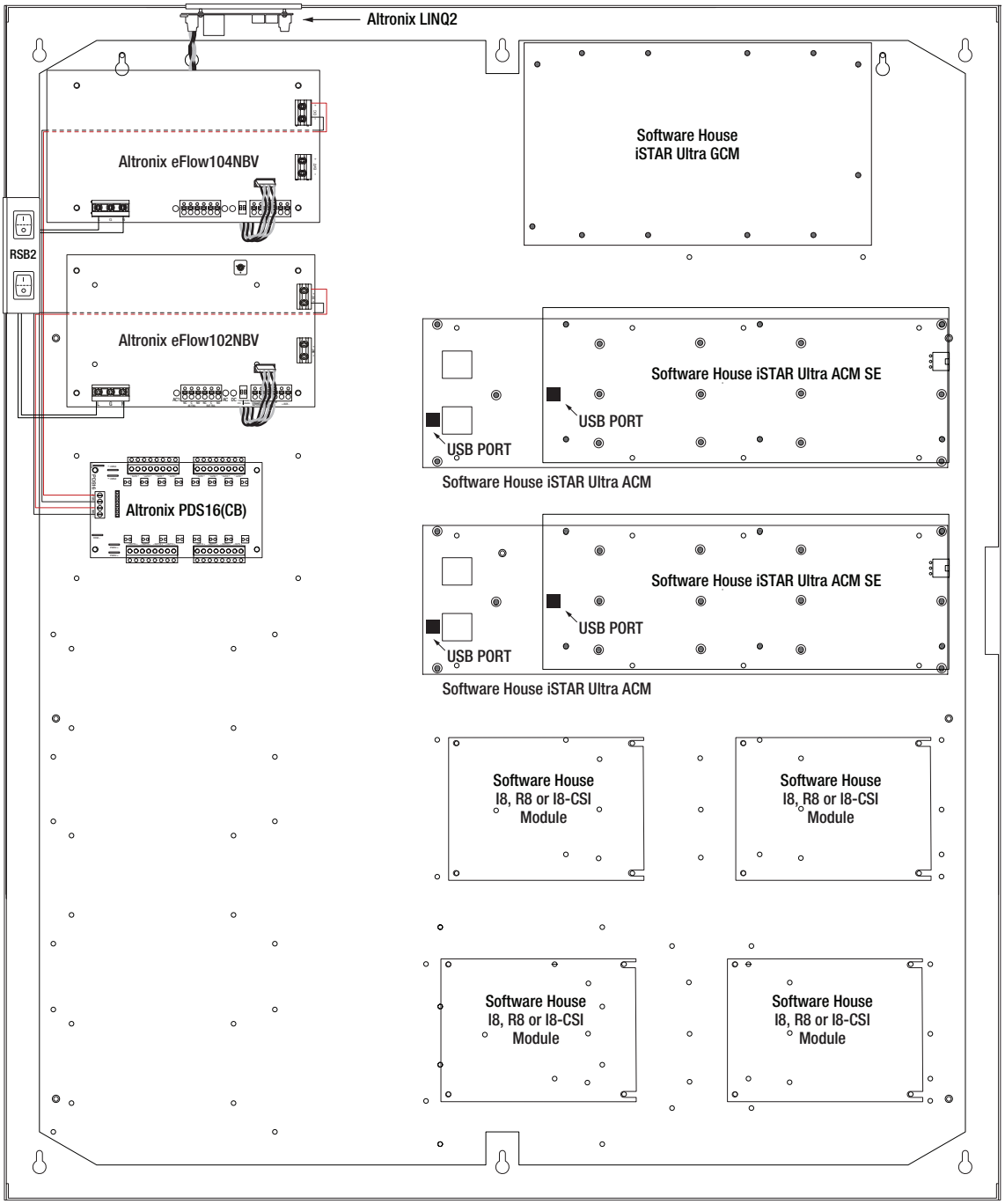
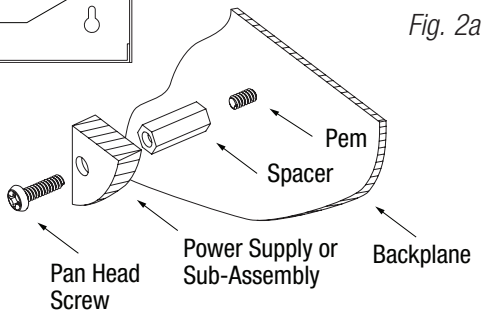


Fig. 2a



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

36.12” x 30.125” x 7.06” (917.5mm x 768.1mm x 179.3mm)