TROVE™

Access & Power Integration

T2SK7F8

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) ACM8 - Fused Access Power Controller*
- *One (1) VR6 - Voltage Regulator*
- *One (1) PDS8 - Dual Input Power Distribution Module*
- *One (1) Rocker Switch Bracket with One (1) Rocker Switch*

T3SK75F8

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- *Trove3 enclosure with TSH3 Altronix/Software House backplane*
- *One (1) eFlow104NB - Power Supply/Charger*
- *One (1) eFlow102NB - Power Supply/Charger*
- *One (1) ACM8 - Fused Access Power Controller*
- *One (1) PD8UL - Fused Power Distribution Module*
- *One (1) Rocker Switch Bracket with Two (2) Rocker Switches*

T3SK75F16

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- *Trove3 enclosure with TSH3 Altronix/Software House backplane*
- *One (1) eFlow104NB - Power Supply/Charger*
- *One (1) eFlow102NB - Power Supply/Charger*
- *Two (2) ACM8 - Fused Access Power Controllers*
- *One (1) PD8UL - Fused Power Distribution Module*
- *One (1) Rocker Switch Bracket with Two (2) Rocker Switches*

Installation Guide

Altronix®

More than just power.™

Rev. TSK110817

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	Nominal DC Output Voltage Options								Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8 Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	120VAC 60Hz Input Current (A)	Current Per ACM8 Output (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating
	Power Supply 1				Power Supply 2													
	[DC]		[AUX]		[DC]		[AUX]											
	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)										
T2SK7F8	**eFlow104NB**				**N/A**				24VDC @ 9.2A	8	4.5	2.5	6.3A/250V	15A/ 32V	10A/ 250V	2.5A/ 250V	10A/ 250V	3A/ 250V
	–	20.17-26.4	–	20.17-26.4	–													
T3SK75F8	**eFlow104NB**				**eFlow102NB**				24VDC @ 9.2A	8	8.0	2.5	6.3A/250V (eFlow104NB) 5A/250V (eFlow102NB)	15A/ 32V	10A/ 250V	2.5A/ 250V	–	–
	–	20.19-26.4	–	20.19-26.4	10.0-13.2	–	10.03-13.2	–										
T3SK75F16	**eFlow104NB**				**eFlow102NB**				24VDC @ 9.2A	16	8.0	2.5	6.3A/250V (eFlow104NB) 5A/250V (eFlow102NB)	15A/ 32V	10A/ 250V	2.5A/ 250V	–	–
	–	20.19-26.4	–	20.19-26.4	10.0-13.2	–	10.03-13.2	–										

Hardware and Accessories:

- Nylon standoffs - eighteen (18) for **T2SK7F8**, forty-six (46) for **T3SK75F8** or **T3SK75F16**.
- 5/16" pan head screws - eighteen (18) for **T2SK7F8**, forty-six (46) for **T3SK75F8** or **T3SK75F16**.
- Tamper switch (Honeywell Model 112 or equivalent) - one (1) for **T2SK7F8**, two (2) for **T3SK75F8** or **T3SK75F16**.
- Cam lock.
- Battery leads.

Mechanical:

T2SK7F8:

- 16 Gauge grey enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).

T3SK75F8 and T3SK75F16:

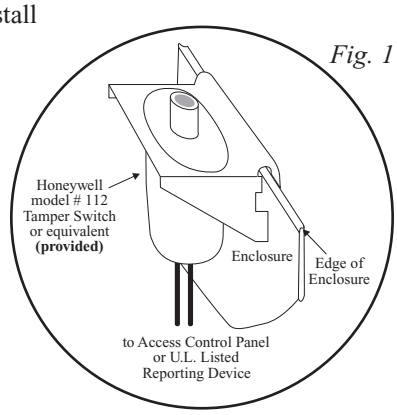
- 16 Gauge grey enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).

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 (Honeywell Model 112 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. Mount Software House boards to backplane, *refer to pages 3-8.*
5. Refer to the corresponding eFlow Power Supply/Charger Installation Instructions (eFlow104NB, eFlow102NB) and *Sub-Assembly Installation Instructions* for the following models: PD8UL, ACM8(CB), PDS8(CB), VR6 for further installation instructions.

Fig. 1



T2SK7F8: Configuration of Software House iSTAR Ultra Boards

1. Align the Software House boards on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten standoffs (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 standoffs 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 Trove2 enclosure utilizing lock nuts (provided).

Fig. 2a

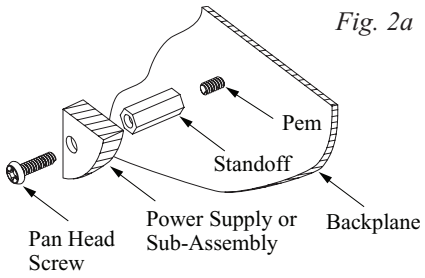
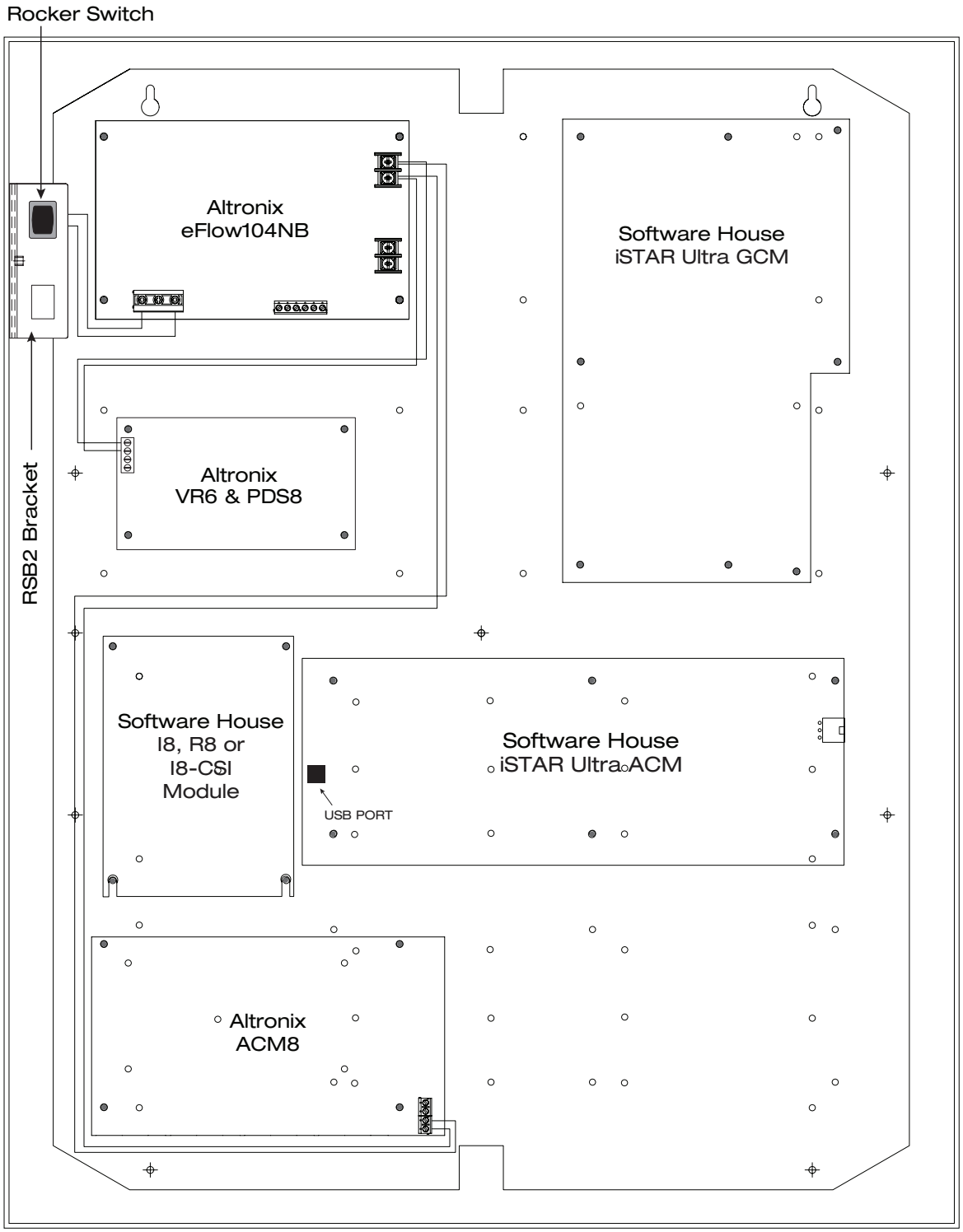


Fig. 2



T2SK7F8: Configuration of Software House iSTAR Pro Boards

1. Align the Software House boards on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten provided standoffs to pems that match the hole pattern for Software House iSTAR Pro GCM, iSTAR ACM SE/PRO ACM, and /or I8, R8, I8-CSI boards *(Fig. 3, 3a, pg. 4)*.
3. Mount Software House boards to standoffs utilizing provided 5/16" pan head screws *(Fig. 3a, pg. 4)*.
   Note: Software House iSTAR ACM SE/PRO ACM boards have one (1) USB port each. Please orient boards in the appropriate position according to the *Fig. 3* below.
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 3a

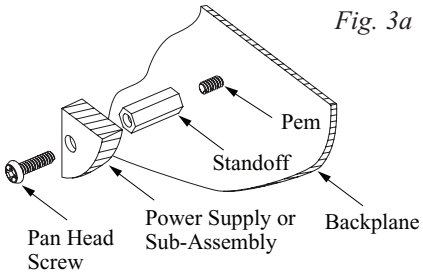
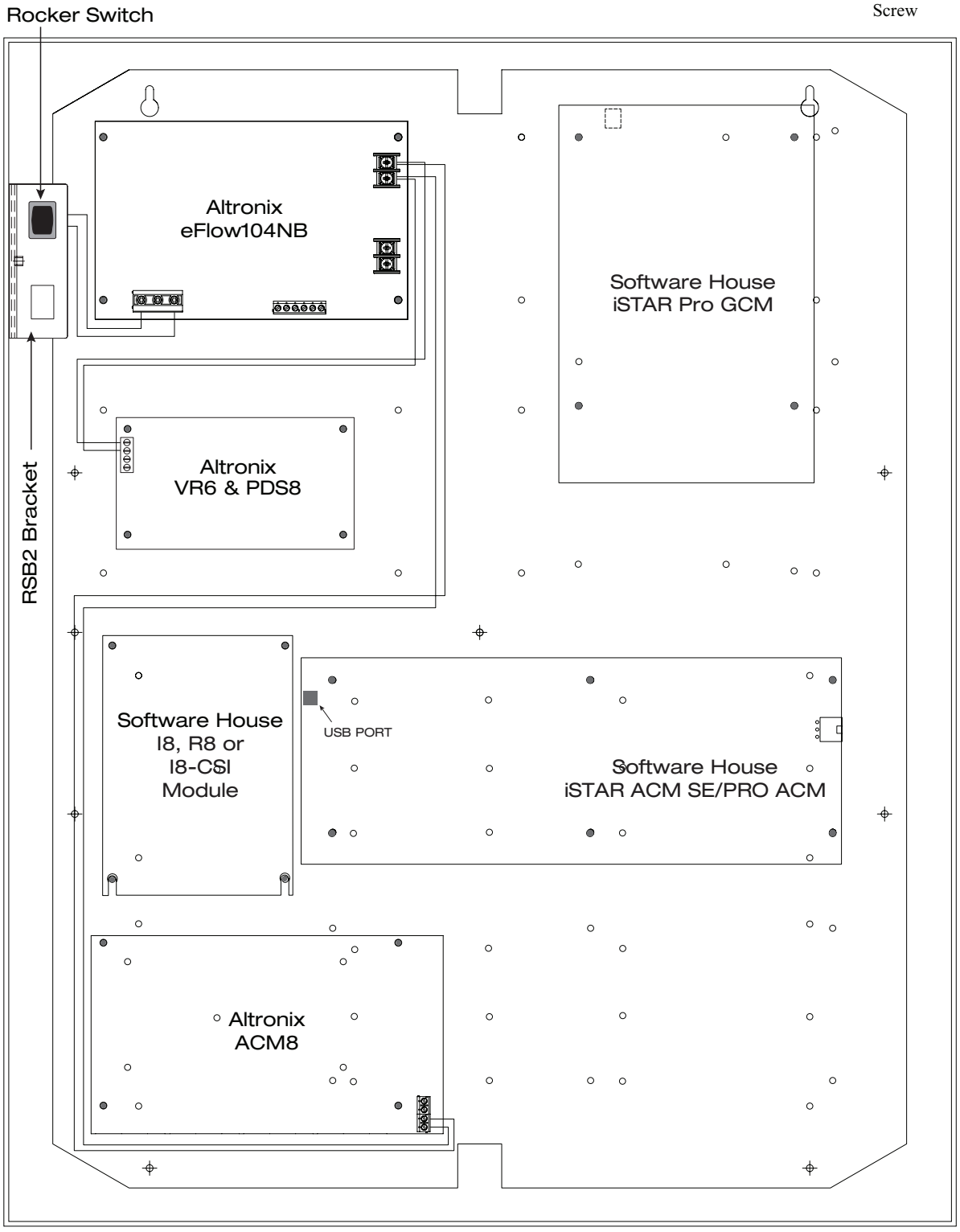


Fig. 3



T3SK75F8 or T3SK75F16: Configuration of Software House iSTAR Ultra Boards

1. Align the Software House boards on the backplane to match the boards' mounting holes with pems provided.
2. Fasten standoffs (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. 4, 4a, pg. 5)*.
3. Mount Software House boards to standoffs utilizing provided 5/16" pan head screws *(Fig. 4a, pg. 5)*.
   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. 4* below.
4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

Fig. 4a

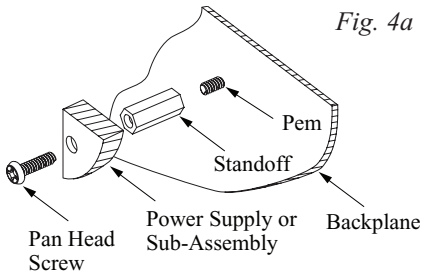
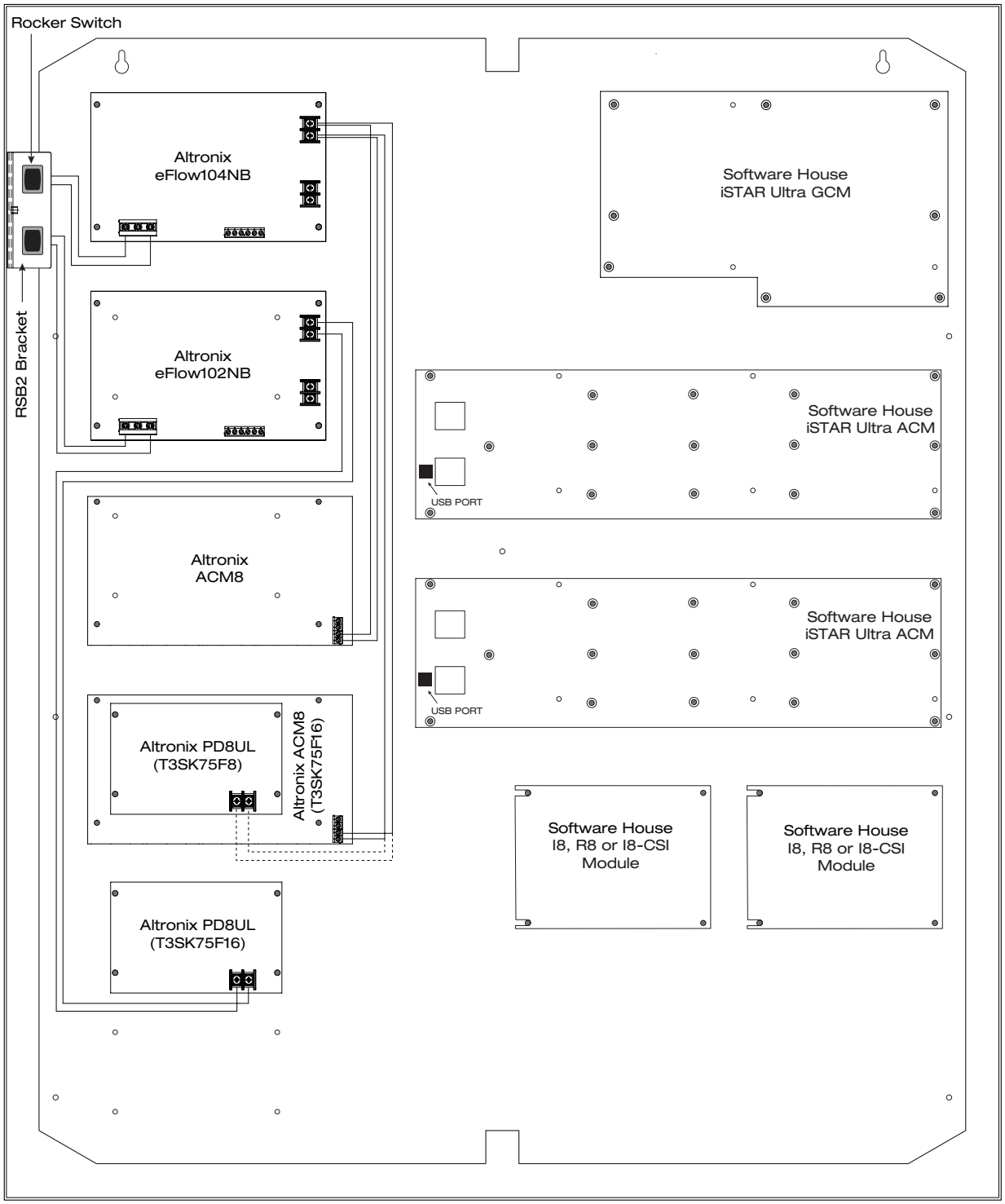


Fig. 4



T3SK75F8 or T3SK75F16: Configuration of Software House iSTAR Pro Boards

1. Align the Software House boards on the backplane to match the boards' mounting holes with pems provided.
2. Fasten provided standoffs to pems that match the hole pattern for Software House iSTAR Pro GCM, iSTAR ACM SE/PRO ACM, and /or I8, R8, I8-CSI boards *(Fig. 5, 5a, pg. 6)*.
3. Mount Software House boards to standoffs utilizing provided 5/16" pan head screws *(Fig. 5a, pg. 6)*.
   Note: Software House iSTAR ACM SE/PRO ACM boards have one (1) USB port each. Please orient the board in the appropriate position according to the *Fig. 5* below.
4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

Fig. 5a

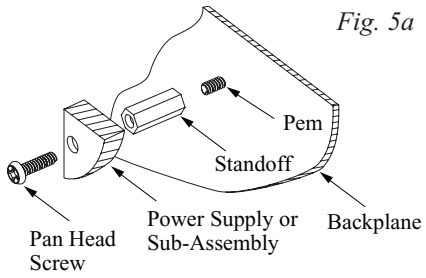
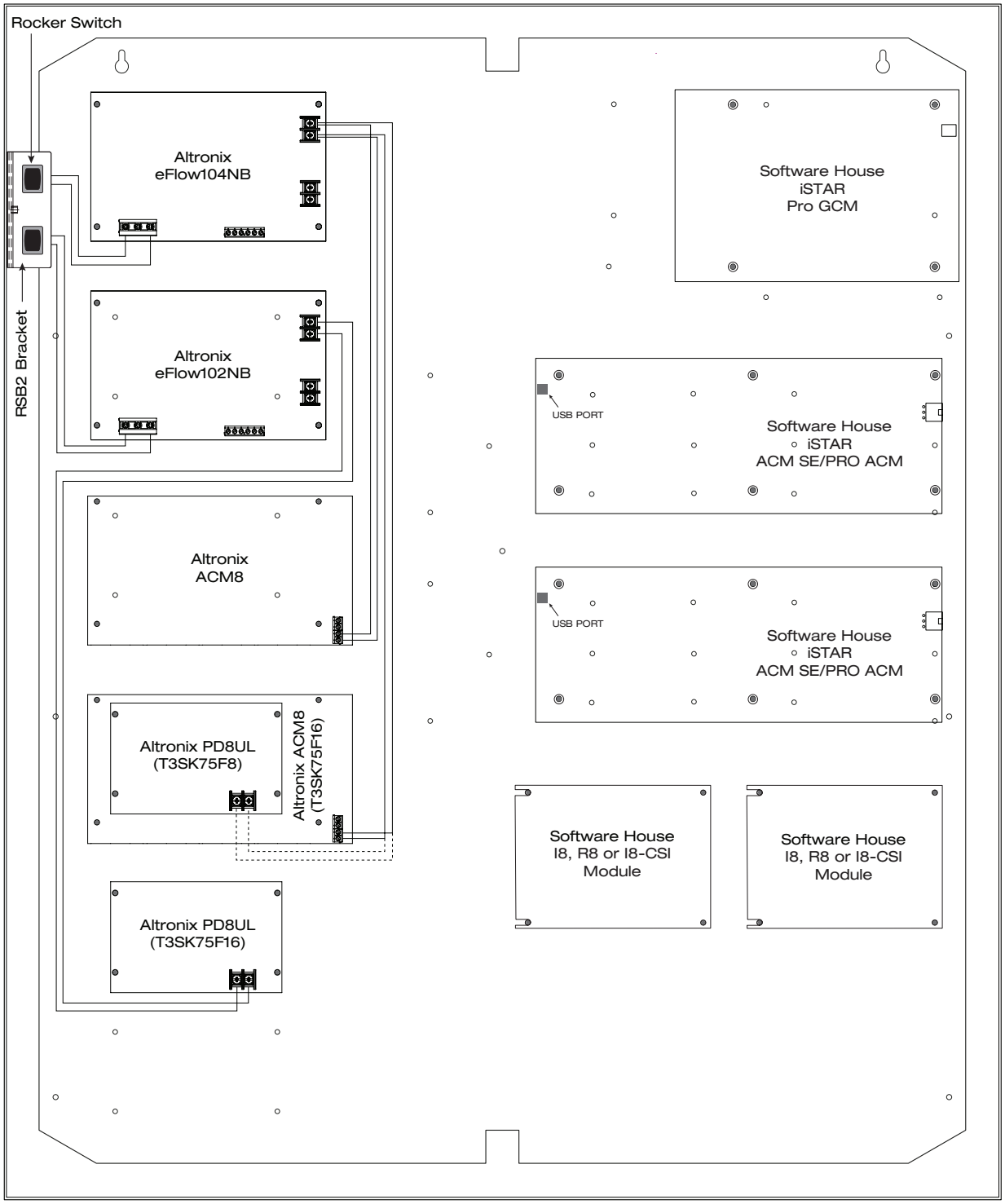
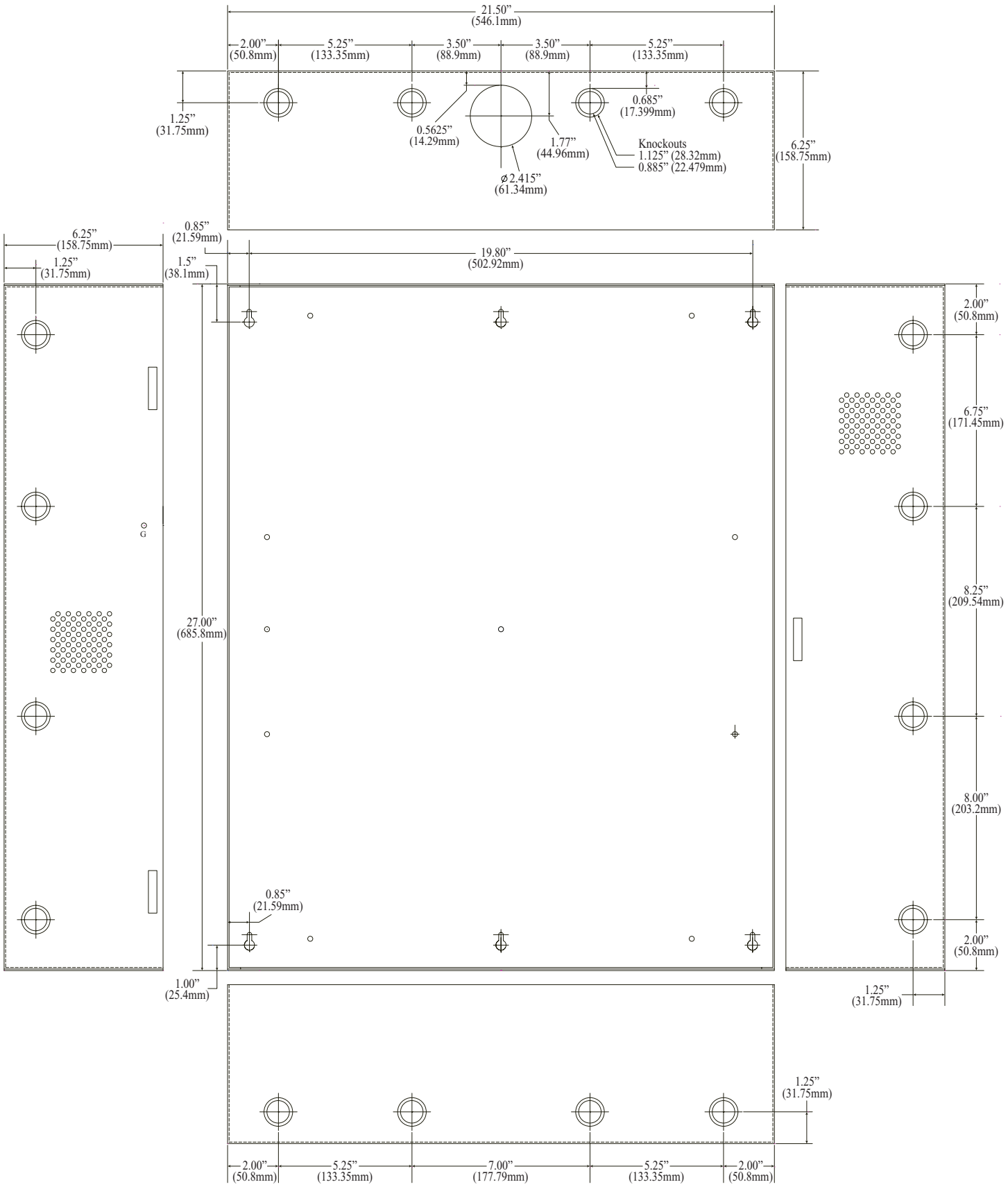


Fig. 5



T2SK7F8 Enclosure Dimensions *(H x W x D approximate)*:

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



T3SK75F8 and T3SK75F16 Enclosure Dimensions *(H x W x D approximate)*:

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