TROVE™
Access & Power Integration

Altronix/Software House Networked Kits

Models Include:

T2SK33F8Q
8 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with TSH2 Altronix/Software House backplane
- Two (2) eFlow6NB - Power Supply/Chargers
- One (1) LINQ8PD - Networked Fused Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T2SK75F16Q
16 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) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8PD - Networked Fused Power Distribution Modules
- Two (2) BR1 - Mounting Brackets
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T3SK75F16PQ
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) LINQ8PD - Networked Fused Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T2SK33F8DQ
8 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with TSH2 Altronix/Software House backplane
- Two (2) eFlow6NB - Power Supply/Chargers
- One (1) LINQ8PDCB - Networked PTC Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T2SK75F16DQ
16 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) eFlow102NB - Power Supply/Charger
- Two (2) LINQ8PDCB - Networked PTC Power Distribution Modules
- Two (2) BR1 - Mounting Brackets
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T3SK75F16PDQ
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) ACM8CB - PTC Access Power Controllers
- One (1) LINQ8PDCB - Networked PTC Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

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

Installation Guide

C E

Altronix®
More than just power.™

Installing Company: _____ Service Rep. Name: _____
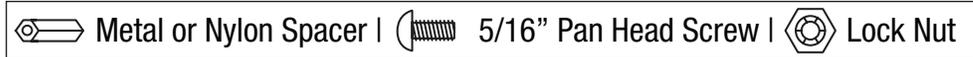
Address: _____ Phone #: _____

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	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 Output on Power Supply boards and LINQ8PD(CB) Power Distribution Module(s) outputs (A)	Current Per LINQ8PD(CB) Output (A)	LINQ8PD(CB) Board Input Fuse Rating	LINQ8PD(CB) Board Output Fuse (PTC) Rating	ACM8(CB) Board Input Fuse Rating	ACM8(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)						
T2SK33F8Q	7	5A/250V	10A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 5.8A 12VDC @ 5.6A	2.5	15A/32V	3A/32V	–	–
T2SK33F8DQ	7	5A/250V	10A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 5.8A 12VDC @ 5.6A	2.0	15A/32V	2.5A	–	–
T2SK75F16Q	8	eFlow104NB: 6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.8A 12VDC @ 9.6A	2.5	15A/32V	3A/32V	–	–
T2SK75F16DQ	8	eFlow104NB: 5A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.8A 12VDC @ 9.6A	2.0	15A/32V	2.5A	–	–
T3SK75F16PQ	8	eFlow104NB: 6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.8A 12VDC @ 9.6A	2.5	15A/32V	3A/32V	10A/250V	3.5A/250V
T3SK75F16PDQ	8	eFlow104NB: 5A/250V	15A/32V	20.17-26.4	20.28-26.4	9.7-13.2	10.03-13.2	24VDC @ 9.8A 12VDC @ 9.6A	2.0	15A/32V	2.5A	10A/250V	2.5A

Hardware and Accessories:

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

- One (1) tamper switch (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 (120VAC 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.
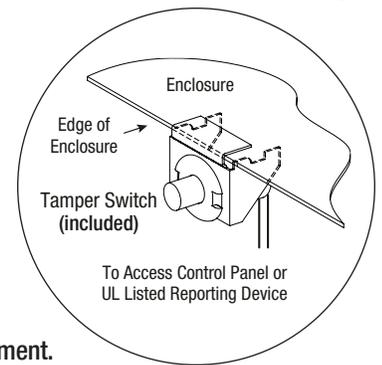   **Keep power-limited wiring separate from non power-limited wiring (120VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.**
   CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside. 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 3-5.*
7. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6NB, eFlow104NB and eFlow102NB and corresponding *Sub-Assembly Installation Guide* for LINQ8PD(CB) and ACM8(CB) for further installation instructions.

Fig. 1

Enclosure
Edge of Enclosure
Tamper Switch (included)
To Access Control Panel or UL Listed Reporting Device

T2SK33F8(D)Q: 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.
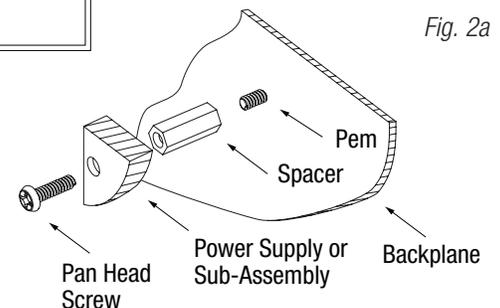4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2

RSB2

Altronix eFlow6NB
set for 24VDC

Altronix eFlow6NB
set for 12VDC

Software House
iSTAR Ultra GCM

Software House I8, R8 or I8-CSI Module

Software House iSTAR Ultra ACM SE

USB PORT

USB Port

Software House
iStar Ultra ACM

Altronix
LINQ8PD(CB)

Fig. 2a

Pem
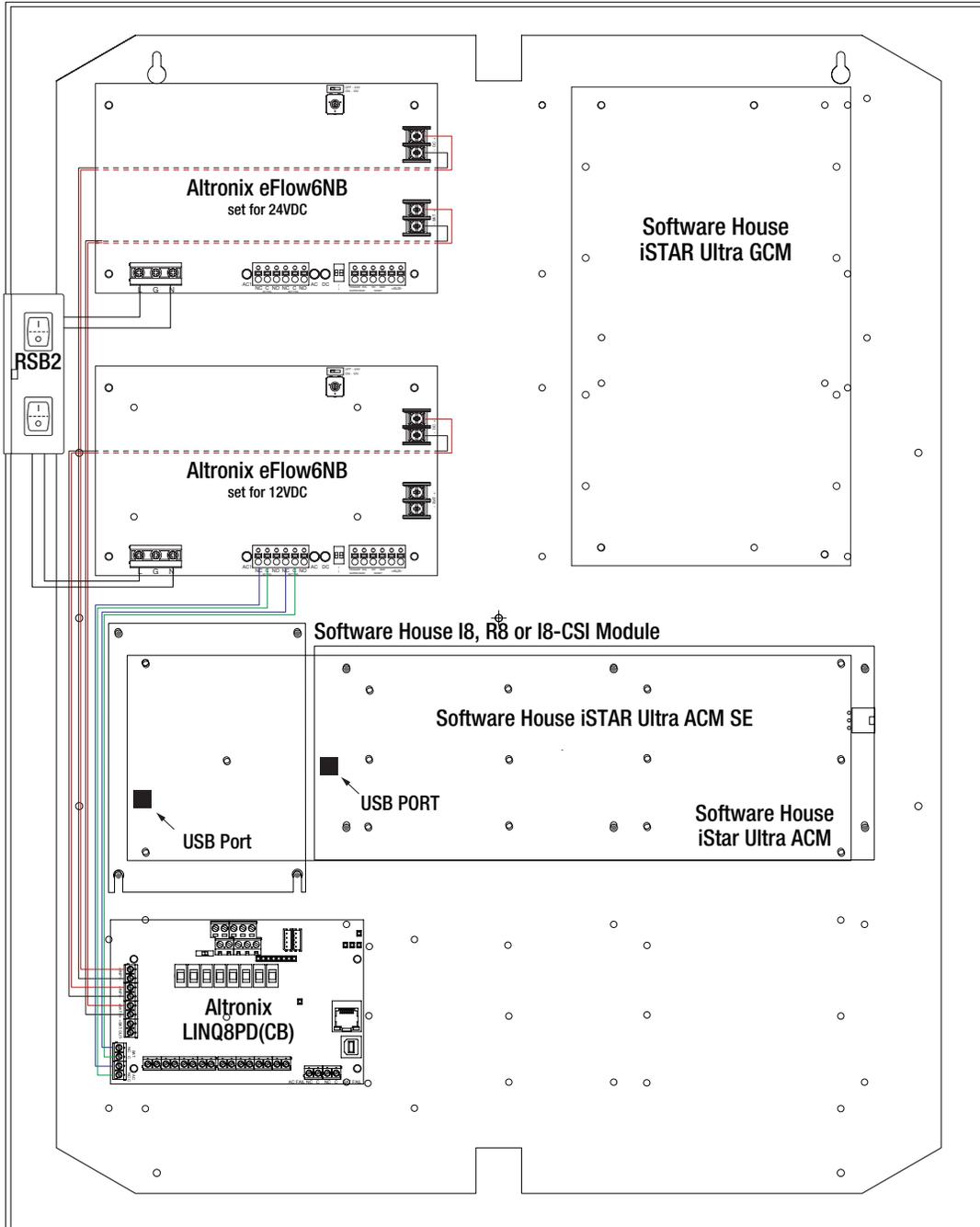
Spacer

Pan Head
Screw

Power Supply or
Sub-Assembly

Backplane

T2SK75F16(D)Q: 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. 3, 3a, pg. 4)*.
3. Mount Software House boards to spacers utilizing provided 5/16" pan head screws *(Fig. 3a, pg. 4)*.
     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. 3* below.
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).
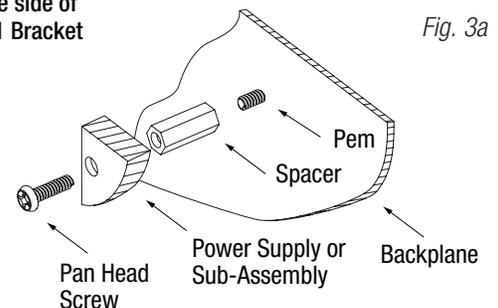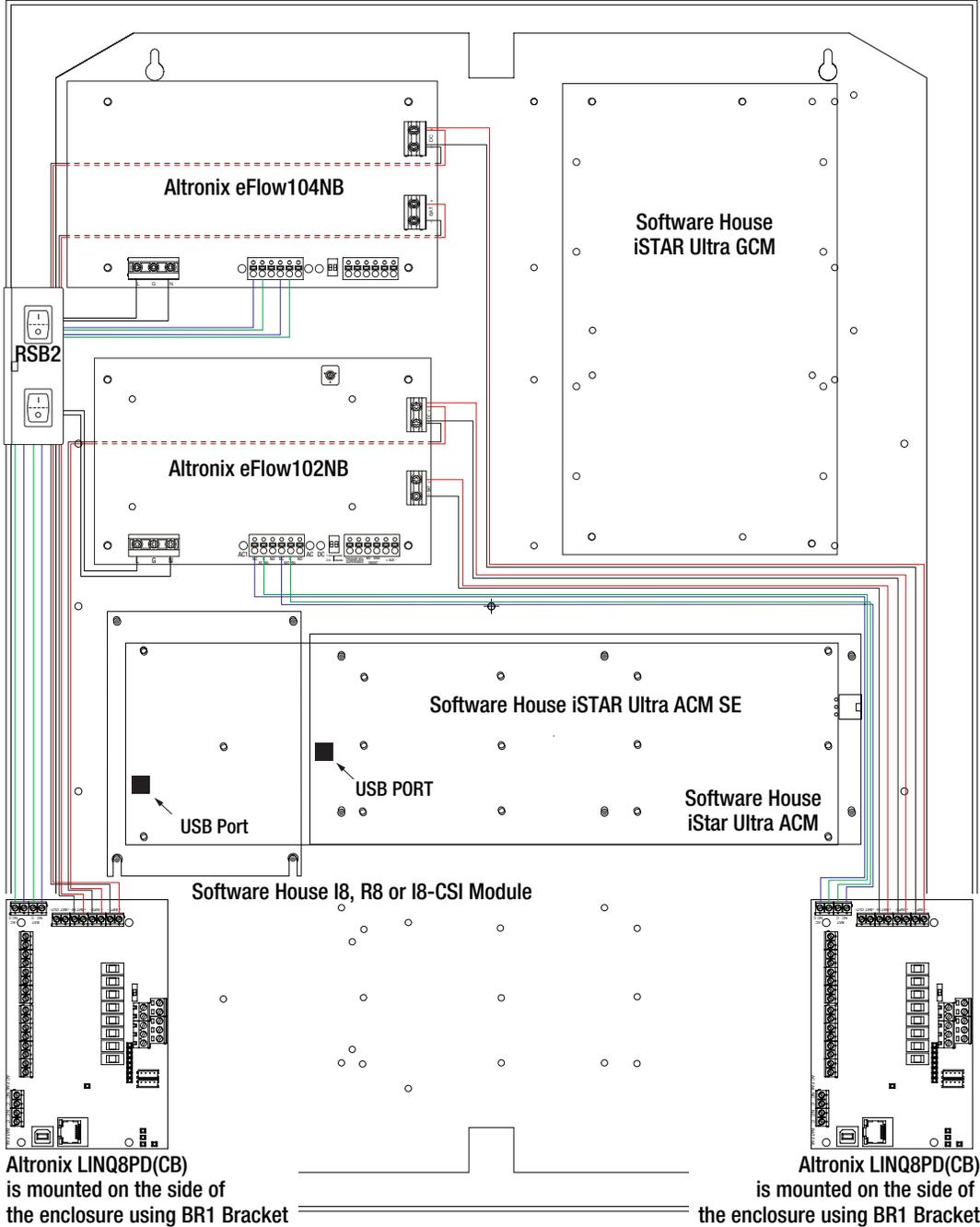
Fig. 3

Altronix eFlow104NB

RSB2

Altronix eFlow102NB

**Software House
iSTAR Ultra GCM**

Software House iSTAR Ultra ACM SE

USB PORT

**Software House
iStar Ultra ACM**

USB Port

Software House I8, R8 or I8-CSI Module

**Altronix LINQ8PD(CB)
is mounted on the side of
the enclosure using BR1 Bracket**

**Altronix LINQ8PD(CB)
is mounted on the side of
the enclosure using BR1 Bracket**

Fig. 3a

Pem

Spacer

Power Supply or
Sub-Assembly

Backplane

Pan Head
Screw

Altronix/Software House Networked Kits Installation Guide

T3SK75F16P(D)Q: 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. 4, 4a, pg. 5)*.
3. Mount Software House boards to spacers 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).
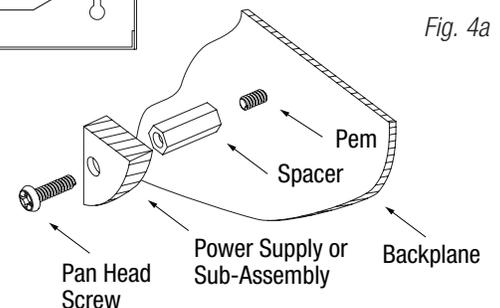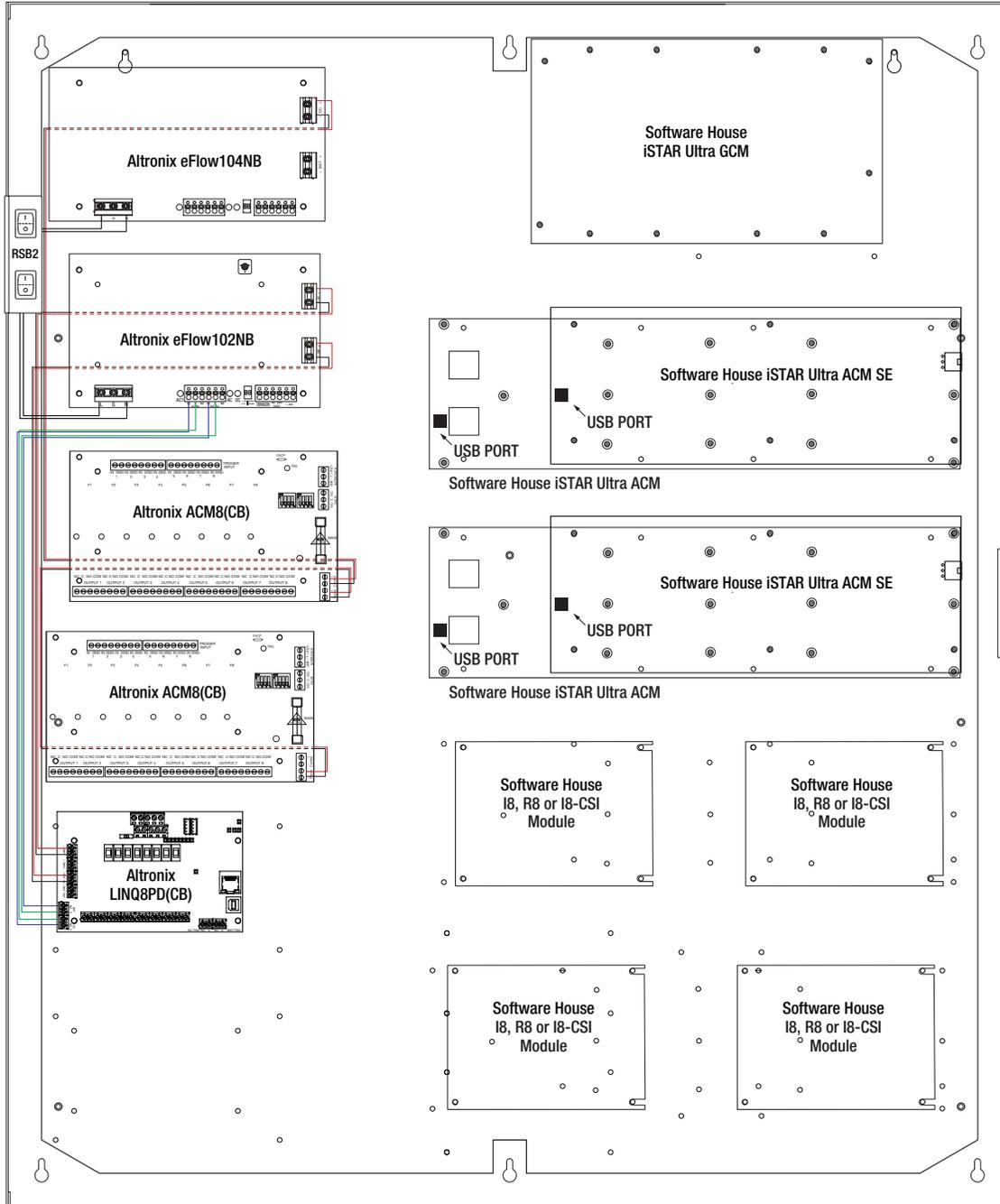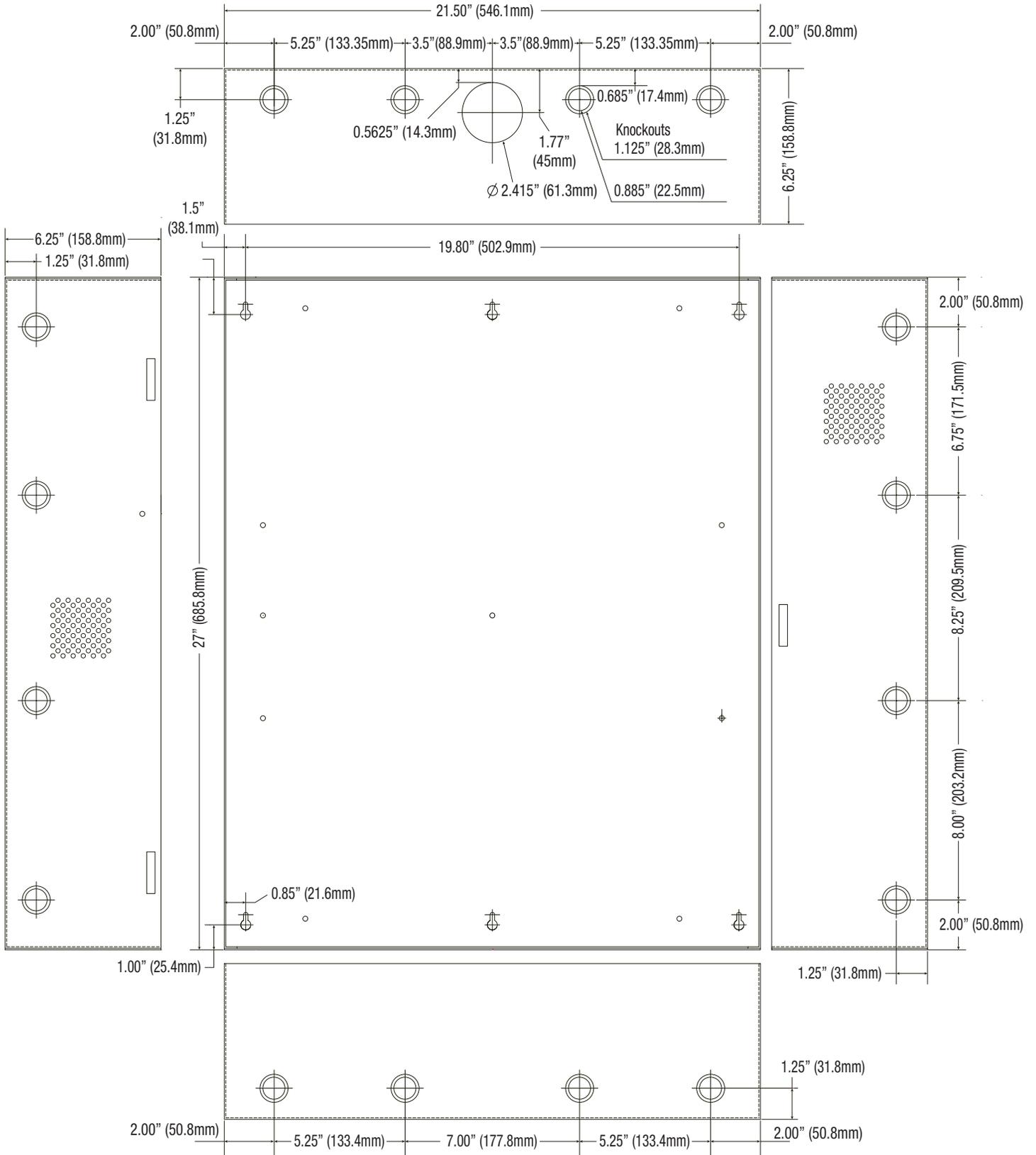
Fig. 4

Fig. 4a

Notes:

T2SK33F8(D)Q, T2SK75F16(D)Q Enclosure Dimensions (H x W x D approximate):

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

21.50" (546.1mm)

2.00" (50.8mm)

5.25" (133.35mm)   3.5"(88.9mm)   3.5"(88.9mm)   5.25" (133.35mm)

2.00" (50.8mm)

1.25" (31.8mm)

0.685" (17.4mm)

0.5625" (14.3mm)

Knockouts 1.125" (28.3mm)

1.77" (45mm)

6.25" (158.8mm)

⌀ 2.415" (61.3mm)   0.885" (22.5mm)

1.5" (38.1mm)

6.25" (158.8mm)

1.25" (31.8mm)

19.80" (502.9mm)

2.00" (50.8mm)

6.75" (171.5mm)

27" (685.8mm)

8.25" (209.5mm)

8.00" (203.2mm)

2.00" (50.8mm)

0.85" (21.6mm)

1.00" (25.4mm)

1.25" (31.8mm)

1.25" (31.8mm)

2.00" (50.8mm)

5.25" (133.4mm)   7.00" (177.8mm)   5.25" (133.4mm)

2.00" (50.8mm)

T3SK75F16P(D)Q Enclosure Dimensions (H x W x D approximate):
36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

2.00" (50.8mm)   7.12" (222.3mm)   9.5" (241.3mm)   9.5" (241.3mm)

1.25" (31.8mm)   1.78" (45.2mm)   1.55" (39.4mm)

1" Conduit
3/4" Conduit
1.25" Conduit
1.5" Conduit
2" Conduit
1.5" Conduit
1.25" Conduit

1.07" (27.2mm)

30.12" (768.1mm)

14.01" (355.9mm)   14.01" (355.9mm)

2.00" (50.8mm)

1.25" (31.8mm)

2" (50.8mm)

1.10" (27.9mm)

1" Conduit
3/4" Conduit

G
G

1" Conduit
3/4" Conduit

10.75" (273.1mm)

33.63" (854.2mm)

10.62" (269.8mm)

10.75" (273.1mm)

10.62" (269.8mm)

10.75" (273.1mm)

10.75" (273.1mm)

36.12" (917.5mm)

1.25" (31.8mm)

7.06" (179.3mm)

3/4" Conduit
1" Conduit

1.25" (31.8mm)

2" (50.8mm)   8.75" (222.3mm)   8.62" (219mm)   8.75" (222.3mm)

MEMBER