

Access & Power Integration

T2HCK5

Up to 16 Door Kit

Fully assembled kit includes:

- Trove2 enclosure with THC2 Altronix/Hartmann Controls backplane
- One (1) AL1012ULXB - Power Supply/Charger

T2HCK78

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with THC2 Altronix/Hartmann Controls backplane
- One (1) AL1024ULXB2 - 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

T2HCK75

Up to 16 Door Kit

Fully assembled kit includes:

- Trove2 enclosure with THC2 Altronix/Hartmann Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger

T2HCK7516

Up to 16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with THC2 Altronix/Hartmann Controls backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers

All components of these Trove kits are UL Listed sub-assemblies.

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

Installation Guide

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Rev. T2HCL011122

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix Trove Hartmann Controls kits are pre-assembled and consist of Trove enclosure with factory installed Altronix power supply/chargers and sub-assemblies. Each kit also accommodates up to two (2) Hartmann Controls PRS_Master boards and up to eight (8) PRS_TDM or PRS_IO8 boards.

Configuration Chart:

Altronix Model Number	115VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage Options				Maximum Supply Current for Main Outputs on Power Supply board and ACMS8 Access Power Controller's outputs (A)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8 Output (A)	ACMS8 Board Input Fuse Rating	ACMS8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating
				Power Supply 1		Power Supply 2								
				[DC]		[DC]								
				12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)							
T2HCK5	2.6	5A/250V	15A/ 32V	AL1012ULXB		N/A		12VDC @ 10A	-	-	-	-	-	-
				10.0- 13.2	-	-								
T2HCK78	3.5	5A/250V	15A/ 32V	AL1024ULXB2		N/A		12VDC @ 9.4A	8	2.5	15A/ 32V	3A/ 32V	10A/ 32V	3A/ 32V
				-	20.19- 26.4	-								
T2HCK75	6.8	5A/250V	15A/ 32V	AL1024ULXB2		AL1012ULXB		AL1024ULXB2: 24VDC @ 9.2A	-	-	-	-	-	-
				-	20.19- 26.4	10.0- 13.2	-	AL1012ULXB: 12VDC @ 10A						
T2HCK7516	6.8	5A/250V	15A/ 32V	AL1024ULXB2		AL1012ULXB		AL1024ULXB2: 24VDC @ 9.2A	16	2.5	15A/ 32V	3A/ 32V	-	-
				-	20.19- 26.4	10.0- 13.2	-	AL1012ULXB: 12VDC @ 10A						

Hardware and Accessories:

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

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. Mount Hartmann Controls boards to backplane, *refer to pages 3-6*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2 and AL1012ULXB and corresponding *Sub-Assembly Installation Guides* for the following models: ACMS8, PDS8 and VR6 for further installation instructions.

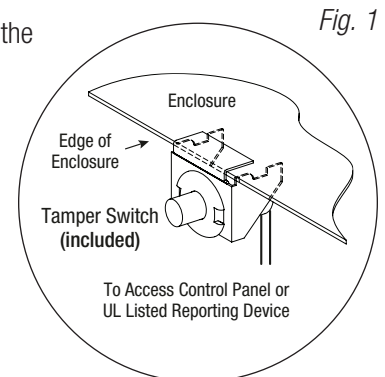


Fig. 1

T2HCK5: Configuration of Hartmann Controls Boards:

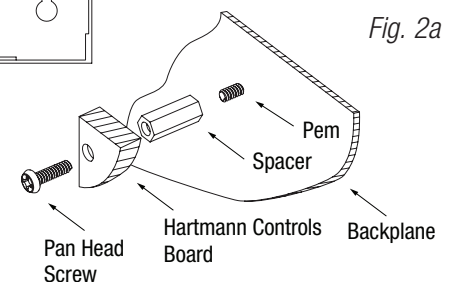
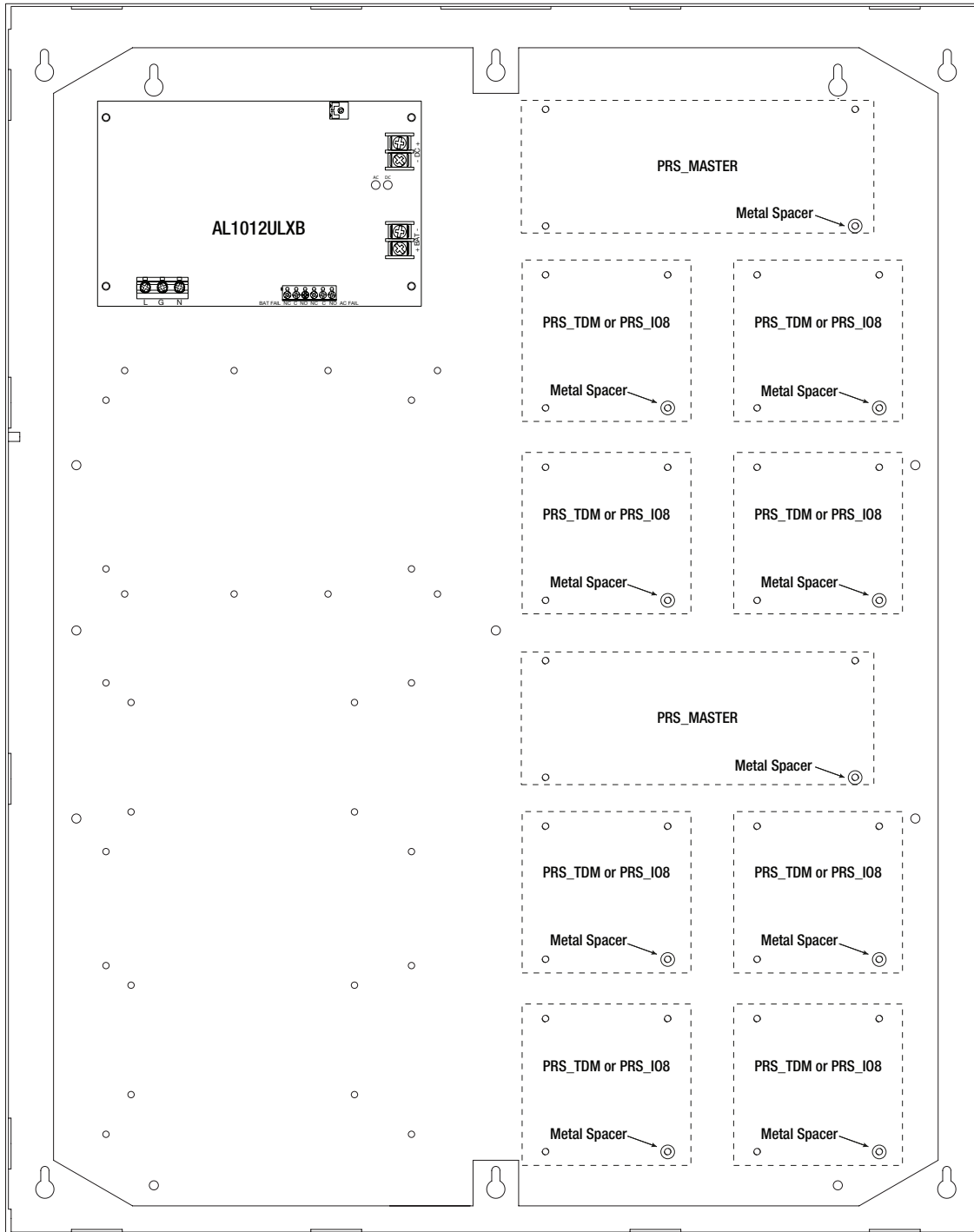
1. Align the Hartmann Controls boards on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten spacers (provided) to pems that match the hole pattern for Hartmann Control boards (*Fig. 2, 2a, pg. 3*).

Note: Hartmann Controls boards must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (*Fig. 2, pg. 3*).

3. Mount Hartmann Controls boards to spacers utilizing provided 5/16" pan head screws (*Fig. 2a, pg. 3*).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2 - T2HCK5 Configuration



T2HCK78: Configuration of Hartmann Controls Boards:

1. Align the Hartmann Controls 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 Hartmann Control boards (*Fig. 3, 3a, pg. 4*).

Note: Hartmann Controls boards must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (*Fig. 3, pg. 4*).

3. Mount Hartmann Controls boards to spacers utilizing provided 5/16" pan head screws (*Fig. 3a, pg. 4*).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 2 - T2HCK78 Configuration

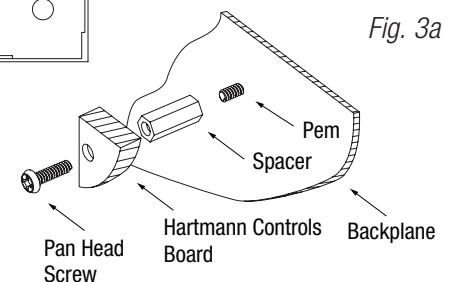
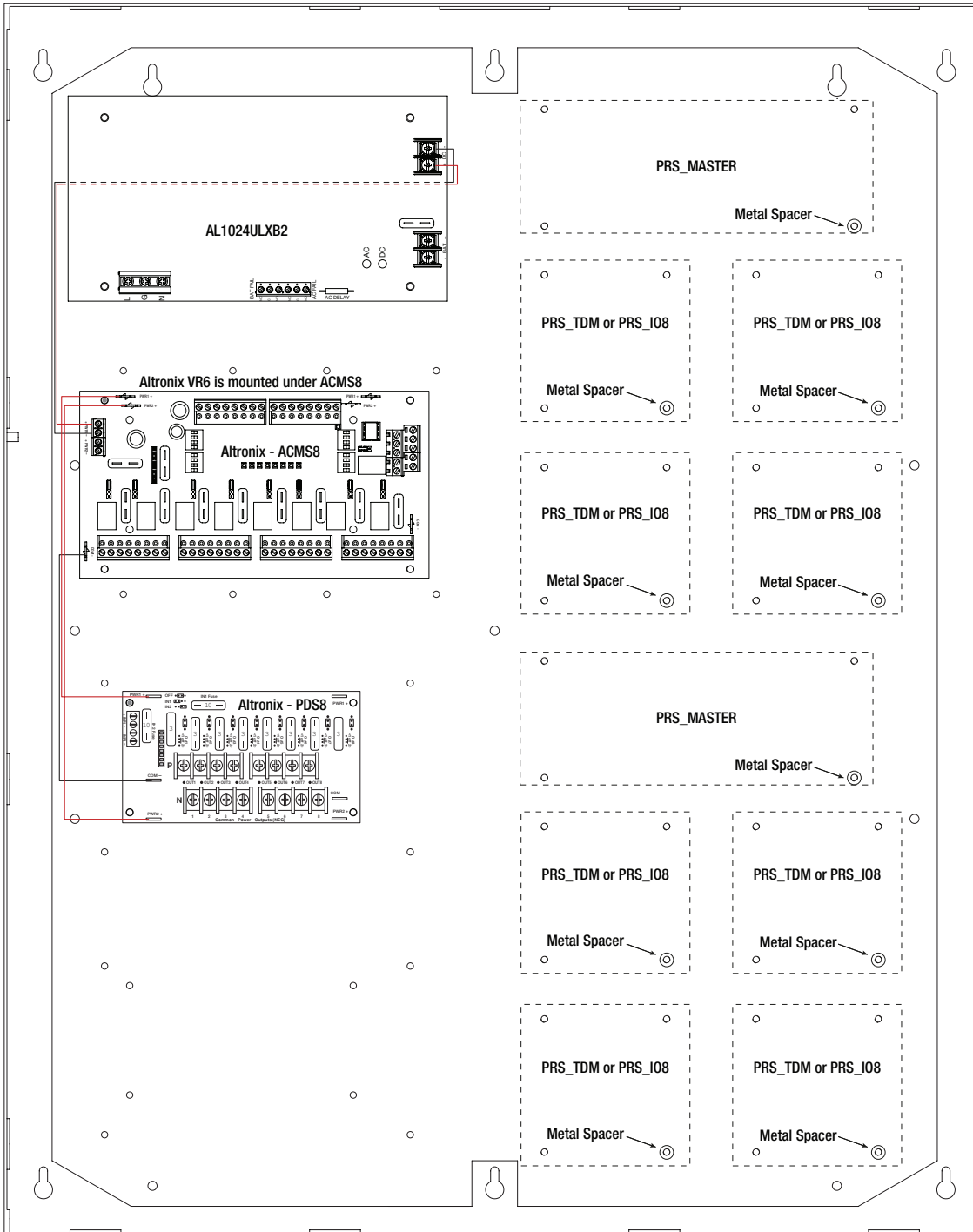


Fig. 3a

T2HCK75: Configuration of Hartmann Controls Boards:

1. Align the Hartmann Controls 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 Hartmann Control boards (*Fig. 4, 4a, pg. 5*).

Note: Hartmann Controls boards must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (*Fig. 4, pg. 5*).

3. Mount Hartmann Controls boards to spacers utilizing provided 5/16" pan head screws (*Fig. 4a, pg. 5*).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 4 - T2HCK75 Configuration

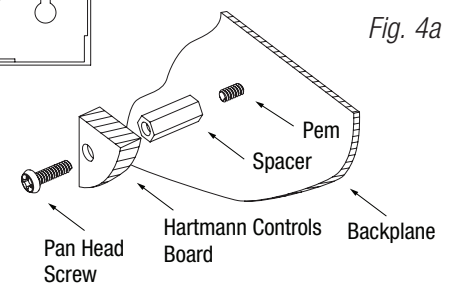
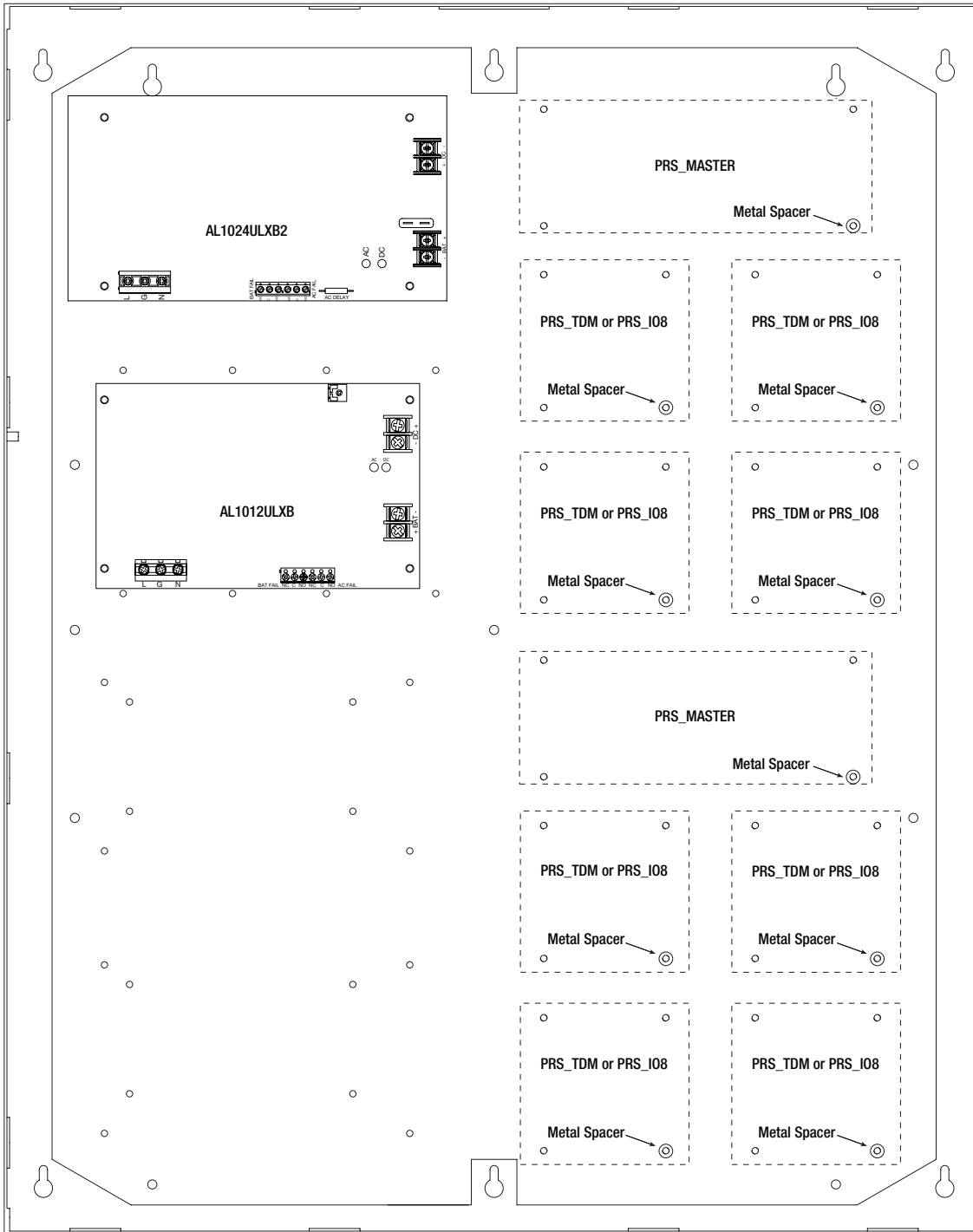


Fig. 4a

T2HCK7516: Configuration of Hartmann Controls Boards:

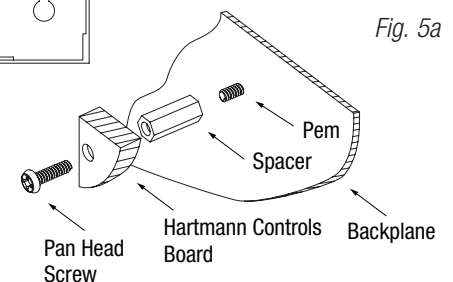
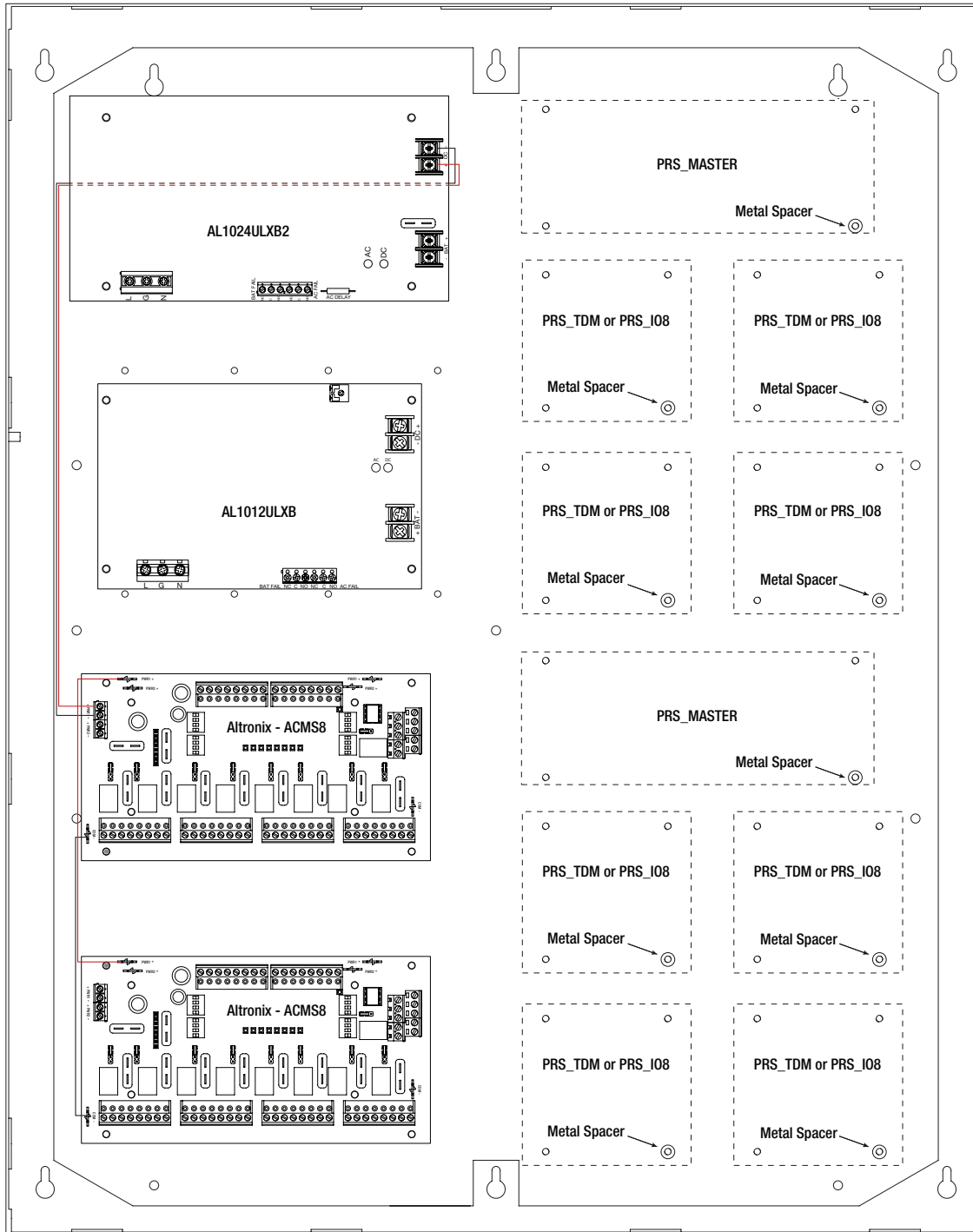
1. Align the Hartmann Controls boards on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten spacers (provided) to pems that match the hole pattern for Hartmann Control boards (*Fig. 5, 5a, pg. 6*).

Note: Hartmann Controls boards must be properly grounded.

Please use provided metal spacers for the lower right mounting holes (*Fig. 5, pg. 6*).

3. Mount Hartmann Controls boards to spacers utilizing provided 5/16" pan head screws (*Fig. 5a, pg. 6*).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

Fig. 5 - T2HCK7516 Configuration



Notes:

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

