

Access & Power Integration

Altronix/Software House Wired Rack Kits

Models Include:

T1RSH3CK1

4 Door Kit with Fused Outputs

Accommodates one (1) iStar Ultra ACM Controller

Fully assembled kit includes:

- Trove1R rack enclosure with
TSH1R Altronix/Software House backplane
- (1) eFlow6RLB - Power Supply/Charger
- (1) VR6 - Voltage Regulator
- (1) ACMS8 - Fused Dual Input Access Power Controller
- Wire harnesses and management

T1RSH3CK1D

4 Door Kit with PTC Outputs

Accommodates one (1) iStar Ultra ACM Controller

Fully assembled kit includes:

- Trove1R rack enclosure with
TSH1R Altronix/Software House backplane
- (1) eFlow6RLB - Power Supply/Charger
- (1) VR6 - Voltage Regulator
- (1) ACMS8CB - PTC Dual Input Access Power Controller
- Wire harnesses and management

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

Installation Guide



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Rev. 072423

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



Overview:

Altronix Trove Software House wired rack kits are pre-assembled and consist of Trove rack enclosure/backplane with factory installed Altronix power supply/charger and sub-assemblies. They also accommodate a variety of Software House modules for up to eight doors in a single enclosure.

Configuration Chart:

Altronix Model Number	120VAC 60Hz P/S 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 Power Controller's outputs (A)	Current Per ACMS8(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	ACM8CB(CB) Board Output Fuse (PTC) Rating	Fail-Safe/ Fail-Secure or Dry Form "C" Outputs
				[DC]	[Aux]					
				24VDC Output Range (V)	24VDC Output Range (V)					
T1RSH3CK1	3.5	5A/ 250V	10A/ 32V	20.28- 26.4	20.28- 26.4	24VDC @ 5.6A	2.5	15A/ 32V	3A/ 32V	8
T1RSH3CK1D							2.0	9A	2.5A	8

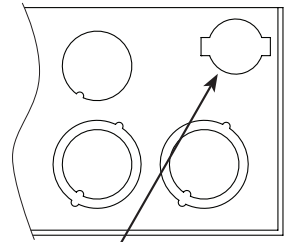
Installation Instructions for T1RSH3CK1(D):

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. These products are for indoor use only and must be installed within the protected premises.

Note: First assemble and install Z Bracket Wire Management Accessory (refer to Z Bracket Installation pg. 3)

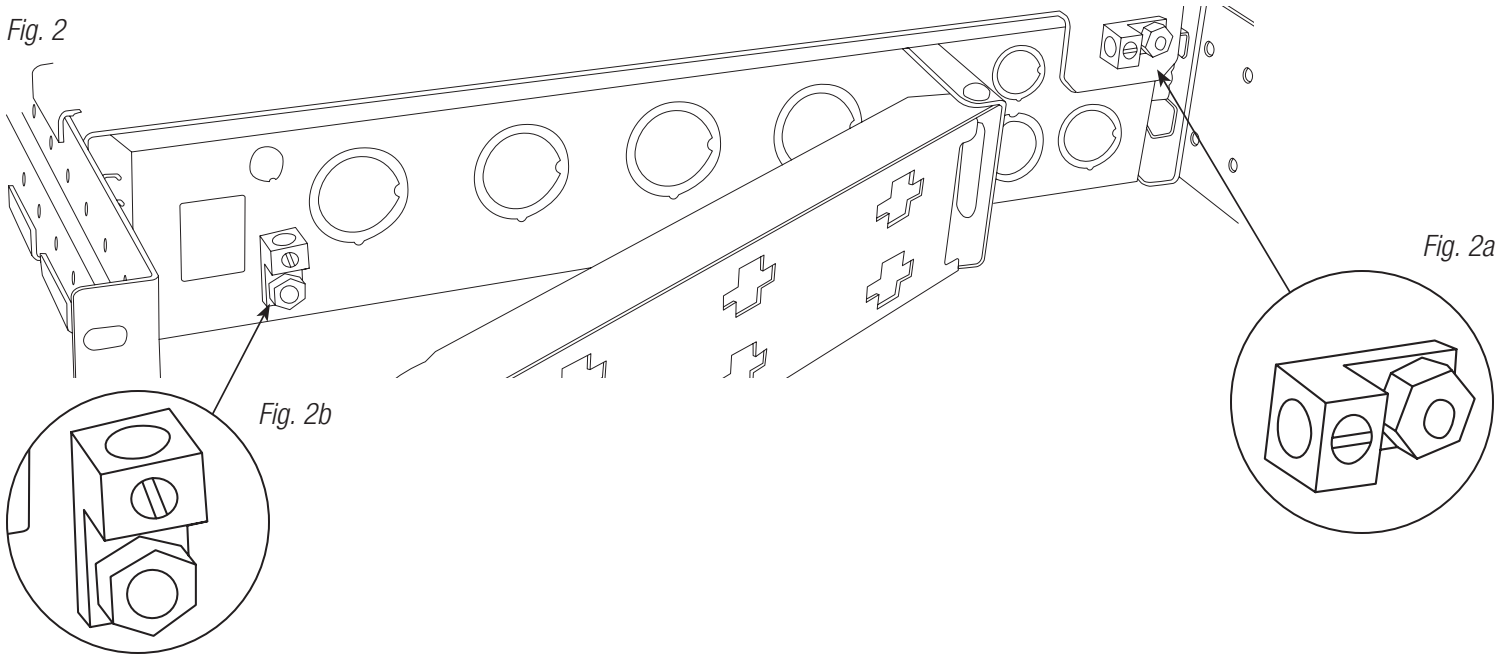
1. Remove backplane from enclosure prior to installing into rack cabinet (do not discard hardware).
2. In order to mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) turn the enclosure upside down. Punch out the knockout in designated location, on the back of the unit, from outside of the drawer (Fig. 1, pg. 2). Insert the tamper switch into the knockout from outside of the drawer with the button facing outwards and spaded connectors inside the drawer. Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the rack drawer.
3. Slide the rack enclosure into an open 2U location in the four post rack cabinet.
4. Utilizing proper fasteners attach front ears to the rack rails.
5. Attach the rear of the adjustable slides to the rear rails of the rack cabinet with the proper fasteners.
6. Secure the rack cover (Fig. 2a, pg. 2) and rack drawer to earth ground (Fig. 2b, pg. 2).

Fig. 1
Back of the drawer, viewed from outside.



Tamper Switch mounting location

Fig. 2



7. Make sure that all internal configurations (wiring, voltage selection, switch settings, etc.) are complete before mounting backplane back into enclosure.
8. Refer to the *eFlow Power Supply/Charger Installation Guide* for eFlow6RLB and corresponding sub-assembly Installation Guides for the following models: ACMS8(CB), VR6 for further instructions.

Assembling and Attaching Z Bracket Wire Management Accessory (included):

Altronix Trove Rack enclosures include Z Bracket, a convenient and reliable wire management accessory.

Hardware (included):



Ten (10) bolts and



eight (8) lock nuts.

1. Carefully unpack Z Bracket. Do not discard hardware (included) (*Fig. 3, pg. 3*).
2. Attach arms to each other using bolts and lock nuts (*Fig. 3a, pg. 3*).
3. Attach the hinge brackets to the ends of arms using bolts and nuts positioning them as shown on (*Fig. 3b, pg. 3*).
4. Make sure that all nuts are tightened.

Fig. 3a

Fig. 3b

Fig. 3

Two (2)

5. Attach the hinge bracket on the longer side of Z Bracket to the adjustable slide using bolts and lock nuts (included) (*Fig. 4, 4a, pg. 3*).
6. Attach the hinge bracket on the shorter side of Z Bracket to the rear of the rack enclosure using bolts (included).

Fig. 4

Fig. 4a

T1RSH3CK1(D): Configuration of Software House iStar Ultra ACM:

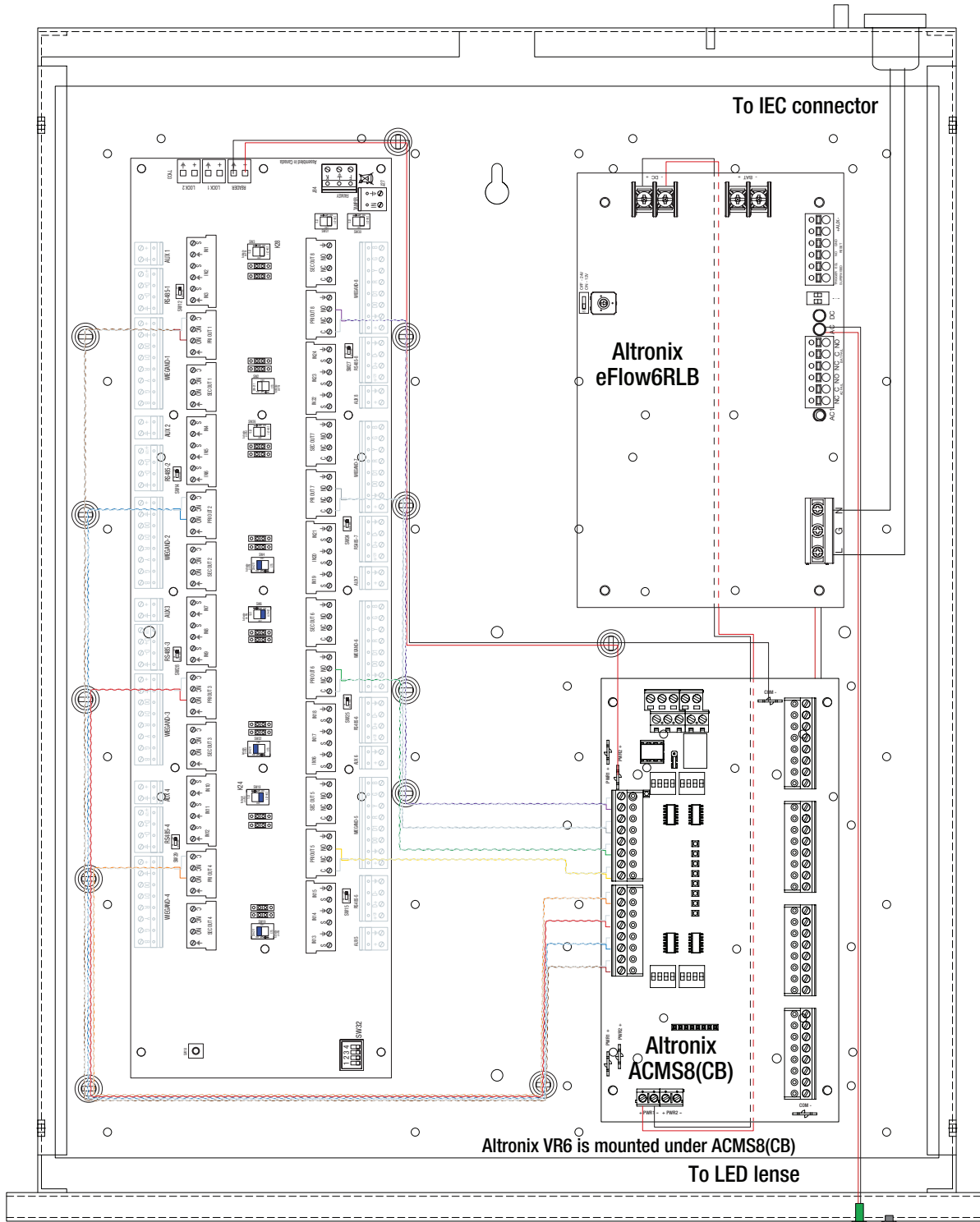
1. Fasten spacers onto metal pems for iStar Ultra ACM (Fig. 5, pg. 5).
2. Position access controller module over corresponding spacers and fasten screws into spacers (Fig. 5a, pg. 5).

Note: Software House iSTAR Ultra ACM board has one (1) USB port.

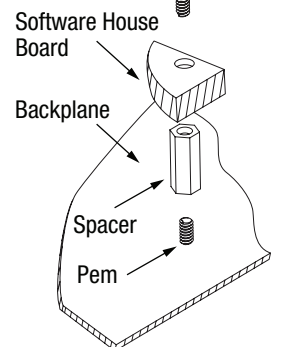
Please orient board in the appropriate position according to the Fig. 5 below.

3. Mount backplane to enclosure with hardware.

Fig. 5



Pan Head Screw Fig. 5a

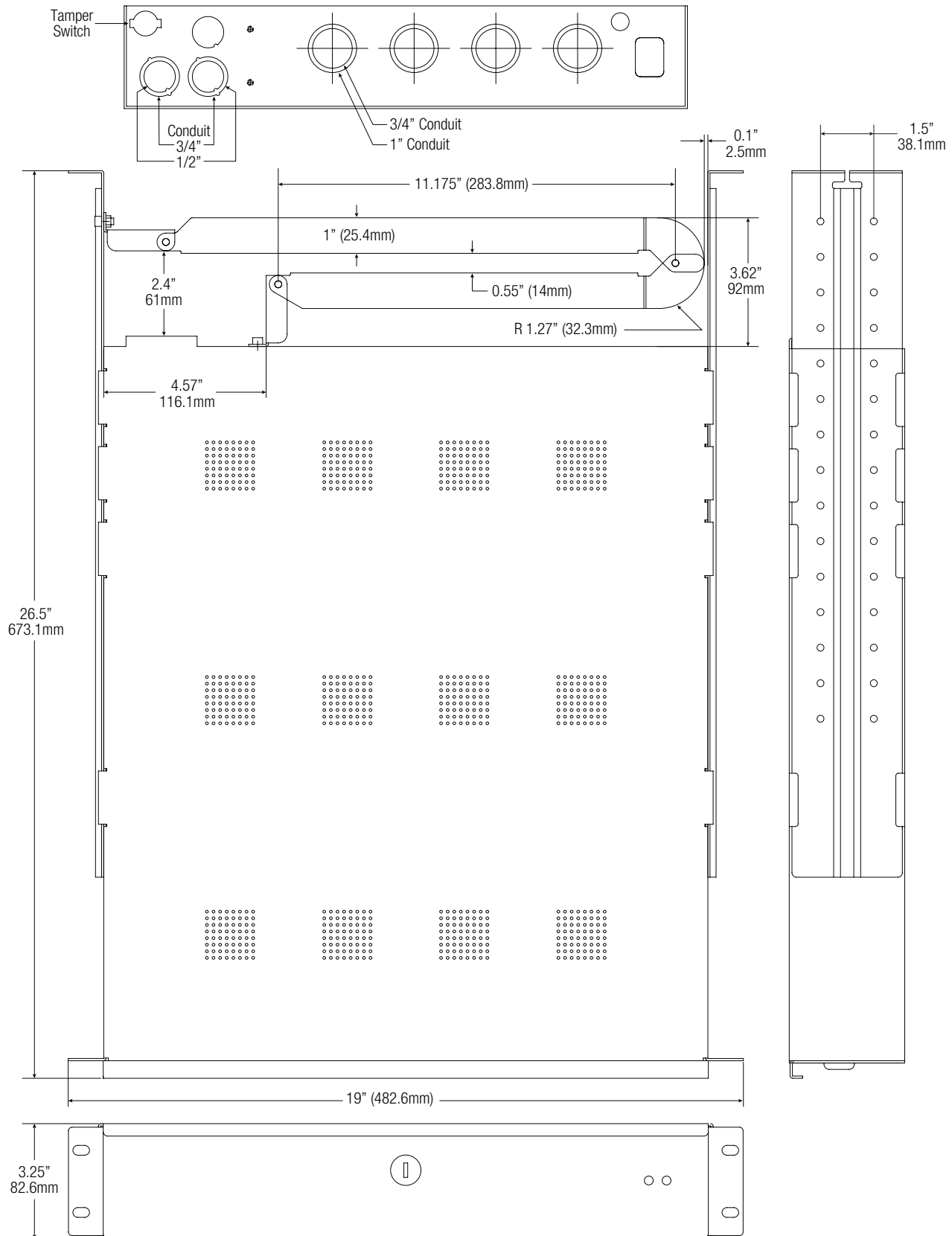


Notes:

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Trove1R Enclosure Dimensions (H x W x D approximate):
 3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm). Shown with Z Bracket attached



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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 IIT1RSH3CK1(D)

C19X



T1RSH3CK1(D) Series Installation Guide