

## T1RSH3F8

### Rack Access and Power Integration Solution for Software House



Altronix T1RSH3F8 kit consists of Trove1R enclosure and TSH1R Altronix & Software House backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator and eight (8) output fused dual output access control module. This kit also accommodates various combinations of Software House boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



SOFTWARE HOUSE

T1RSH3F8

*Software House boards are not included*

### Key Features

- Output Power:
  - Eight (8) individually selectable 12VDC or 24VDC fused lock power outputs rated at 6A total max.
  - Fire Alarm Disconnect is individually selectable by output
- Accommodates the following Software House controllers: iSTAR Ultra ACM, iSTAR ACM SE/ACM PRO, I8, R8 or I8-CSI
- Power status LED on front panel
- Simplified board layout and wire management
- Convenient knockout configuration:
  - Four (4) double knockouts - 3/4" Conduit and 1" Conduit
  - Two (2) double knockouts - 1/2" Conduit and 3/4" Conduit
- 6' IEC320 3-wire power cord
- 2U drawer on extendable rails
- Black powder coated steel enclosure
- Included Z Bracket facilitates ease of wiring
- Includes cam lock, tamper switch and mounting hardware
- CE European Conformity
- Lifetime Warranty\*

*\*Altronix Power Supply/Charger and Sub-Assemblies only*

### Accessories (order separately)



RE2

#### RE2 - Rack Mount Battery Enclosure

accommodates up to four (4) 12VDC/7AH batteries



WM5

#### WM5, WM25, WM100 - Magnetic Cable Tie Mounts

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.

**Specifications****Power Supply/Charger (eFlow6NB):****Input**

Voltage	120VAC, 60Hz. 3.5A
Input Fuse	5A/250V

**Output**

Voltage	24VDC
Current	6A continuous
Auxiliary	1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

**Battery Charging**

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

**Supervision**

AC Failure	Form "C" contacts
Battery	Form "C" contacts

**Low DC Power Shutdown**

Shuts down DC output terminals if battery voltage drops below 70-75% for 24V units (depending on the power supply)  
Prevents deep battery discharge

**Indicators (LED)**

Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

**Voltage Regulator (VR6):****Input**

Voltage	24VDC from eFlow6NB
---------	---------------------

**Output**

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

**Indicators (LED)**

Input	24VDC is present
Output	Powered

**Dual Input Access Power Controller (ACMS8):****Input**

Voltage	24VDC from eFlow6NB and 12VDC from VR6
Input Fuses	15A/32V

**Outputs**

Voltage	12 or 24VDC individually selectable
Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) indepently controlled Form "C" relay outputs:	
a) Fail-Safe and/or Fail-Secure power outputs	
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated	
c) Auxiliary power outputs (unswitched)	
d) Any combination of the above	

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output Fuses	3A/32V
--------------	--------

**Indicators (LED)**

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Individual voltage LEDs	
Green:	12VDC
Red/Green:	24VDC

**T1RSH3F8 Kit:****Agency Listings**

CE	European Conformity
----	---------------------

**Physical and Environmental:****Dimensions (H x W x D):**

Modular 2U standard EIA 19" rack mount chassis  
Enclosure: 3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm)  
Shipping: 31" x 23" x 8.25" (787.4mm x 584.2mm x 209.6mm)

**Weights (approx.):**

Product:	20 lb. (9.07 kg)
Shipping:	25 lb. (11.34 kg)

**Temperature**

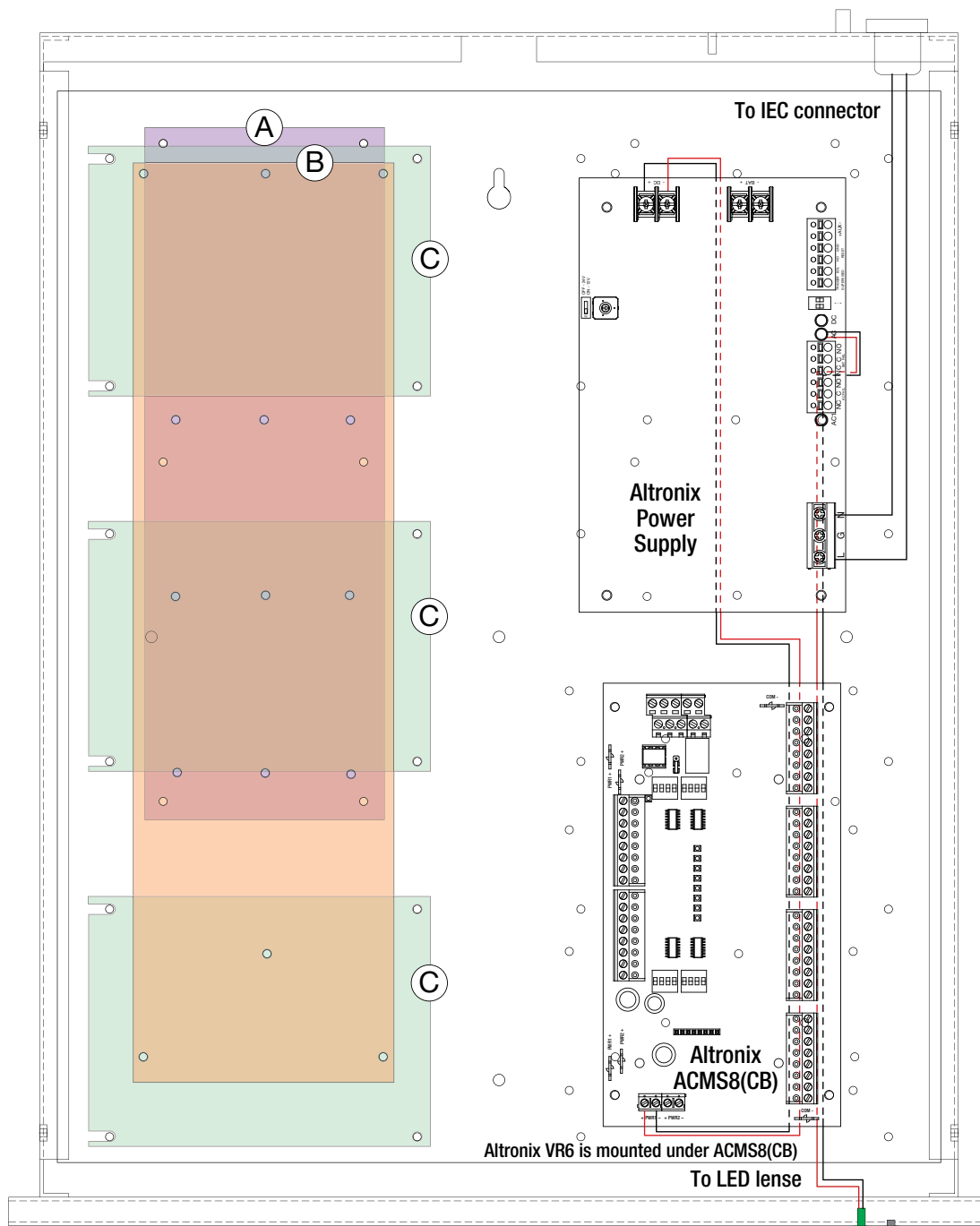
Operating:	0°C to 49°C (32°F to 120°F)
Storage:	- 20°C to 70°C (- 4°F to 158°F)

Relative Humidity	85% +/- 5%
-------------------	------------

BTU/Hr.:	87 BTU/Hr.
----------	------------

## Access Controller Position Chart for the Following Models:

Software House	Pem Mounting
iStar Ultra ACM SE, iStar Pro ACM	(A)
iStar Ultra ACM	(B)
i8, R8	(C)



## Dimensions and Drawing

Dimensions (H x W x D approximate)

13.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm)

