

T1RSH3F8D

Rack Access and Power Integration Solution for Software House



Altronix T1RSH3F8D 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 PTC 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.



T1RSH3F8D

Software House boards are not included

Key Features

- Output Power:
 - Eight (8) individually selectable 12VDC or 24VDC PTC 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 (ACMS8CB):

Input

| | |
|------------|---|
| Voltage | 24VDC from eFlow6NB and 12VDC from VR6 |
| Input PTCs | 9A |

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) PTC protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

| | |
|-------------|------|
| Output PTCs | 2.5A |
|-------------|------|

Indicators (LED)

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

T1RSH3F8D 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

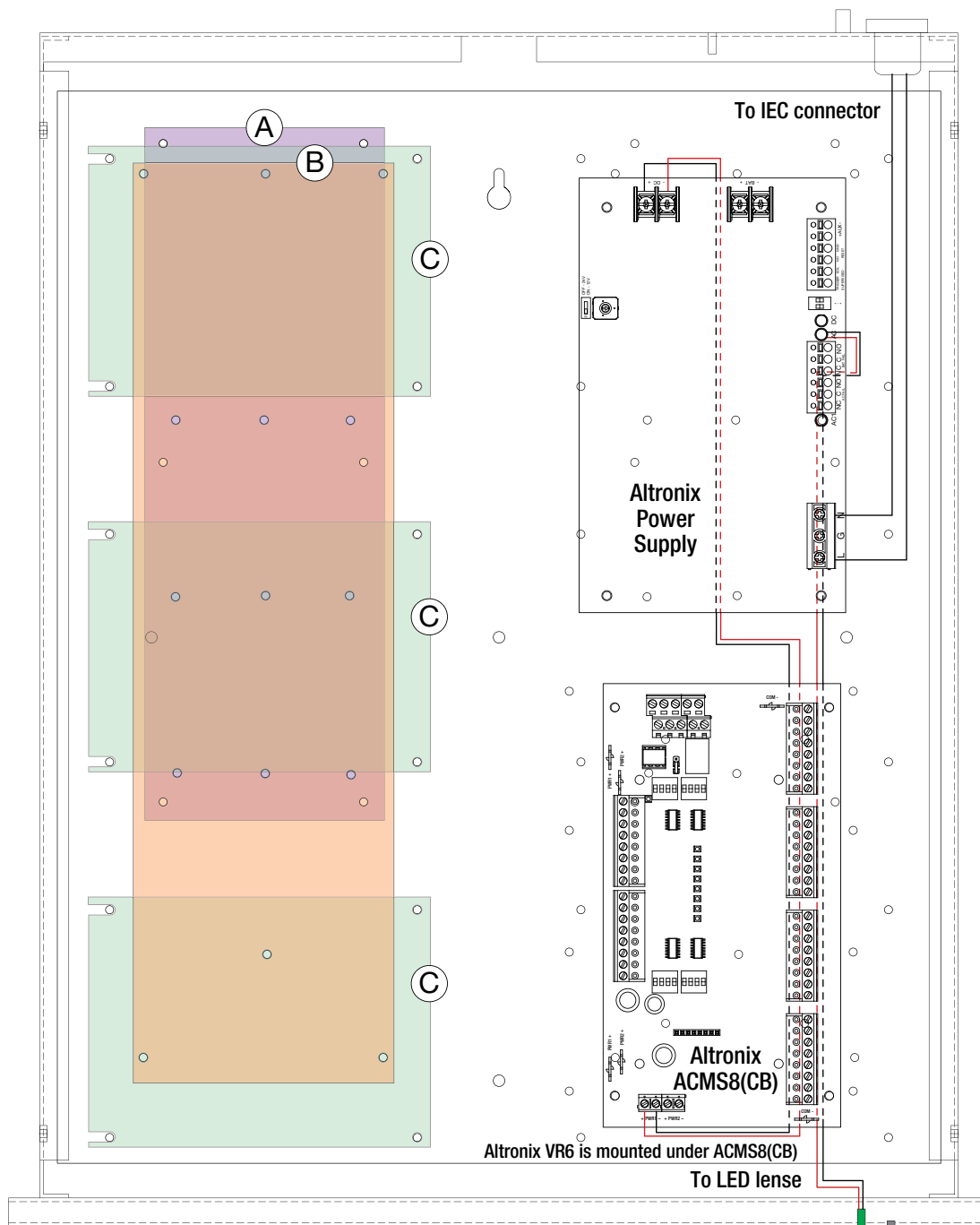
| | |
|------------|---------------------------------|
| Operating: | 0°C to 49°C (32°F to 120°F) |
| Storage: | - 20°C to 70°C (- 4°F to 158°F) |

| | |
|-------------------|------------|
| 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)

