

## T1RSH3F8 Trove / Software House Kit Access & Power Integration Solution

### Description

Altronix T1RSH3F8 Trove™ Rack kit is pre-assembled and consists of Trove1SH1R enclosure/backplane with the following factory installed Altronix components:

- One (1) eFlow6NB - power supply/charger set at 24VDC;
- One (1) VR6 Voltage Regulator;
- One (1) ACMS8 - Fused Dual Output Access Power Controller.

This kit also accommodates various combinations of Software House boards for up to eight (8) doors in a single enclosure.



T1RSH3F8

SOFTWARE HOUSE

### Key Features

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- Output Power:                     <ul style="list-style-type: none"> <li>- Eight (8) individually selectable 12VDC or 24VDC fused lock power outputs rated at 6A total max.</li> <li>- Fire Alarm Disconnect is individually selectable by output.</li> </ul> </li> <li>- Accommodates the following Software House controllers: iSTAR Ultra ACM, iSTAR ACM SE/ACM PRO, I8, R8 or I8-CSI.</li> <li>- Power status LED on front panel.</li> <li>- Simplified board layout and wire management.</li> <li>- Convenient knockout configuration:                     <ul style="list-style-type: none"> <li>- Six (6) 1.25" diameter knockouts located on the back of enclosure.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>- 6' IEC320 3-wire power cord.</li> <li>- 2U drawer on extendable rails.</li> <li>- Black powder coated steel enclosure.</li> <li>- Included Z Bracket facilitates ease of wiring.</li> <li>- Includes cam lock, tamper switch and mounting hardware.</li> <li>- CE European Conformity.</li> <li>- Lifetime Warranty* / Made in the U.S.A.</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

### Optional Accessories

- **RE2:**  
Rack Mount Battery Enclosure accommodates up to four (4) 12VDC/7AH batteries.
- **WM5, WM25, WM100:**  
Magnetic Cable Tie Mounts (5, 25, 100 counts).

# T1RSH3F8

## Trove / Software House Kit

### Access & Power Integration Solution

#### Specifications

##### Power Supply/Charger (eFlow6NB):

###### Input

|           |                         |
|-----------|-------------------------|
| Voltage   | 120VAC, 60Hz, 3.5A max. |
| Main Fuse | 5A / 250V.              |

###### Outputs

|         |                       |
|---------|-----------------------|
| Voltage | Factory set at 24VDC. |
| Current | 6A continuous.        |

Maximum Supply Current for Main and Aux. Outputs on eFlow6NB Power Supply board and ACMS8 Access Power Controller's outputs is 5.6A.

|           |                                                    |
|-----------|----------------------------------------------------|
| Auxiliary | Class 2 power-limited @ 1A (unswitched).           |
| Other     | Overvoltage protection.<br>Filtered and regulated. |

##### Battery Backup

|             |                               |
|-------------|-------------------------------|
| Type        | Sealed lead acid or gel type. |
| Fuse Rating | 10A @ 32VDC.                  |
| Failover    | Upon AC loss, instantaneous.  |

##### Fire Alarm Disconnect

|            |                           |
|------------|---------------------------|
| Supervised | Latching or non-latching. |
| EOL        | 10K Resistor.             |

##### 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. 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.          |

##### Access Power Controller (ACMS8):

###### Input

|           |                                         |
|-----------|-----------------------------------------|
| Voltage   | 24VDC from eFlow6NB and 12VDC from VR6. |
| Main Fuse | 15A / 32V.                              |

###### Outputs

|         |                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage | 12 or 24VDC individually selectable.<br>Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) independently 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 | 2.5A / 32VDC. |
|--------------|---------------|

##### 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.  
3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm).

###### Weights:

|          |                     |
|----------|---------------------|
| Product  | 20 lbs. (9.07 kg).  |
| Shipping | 25 lbs. (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). |

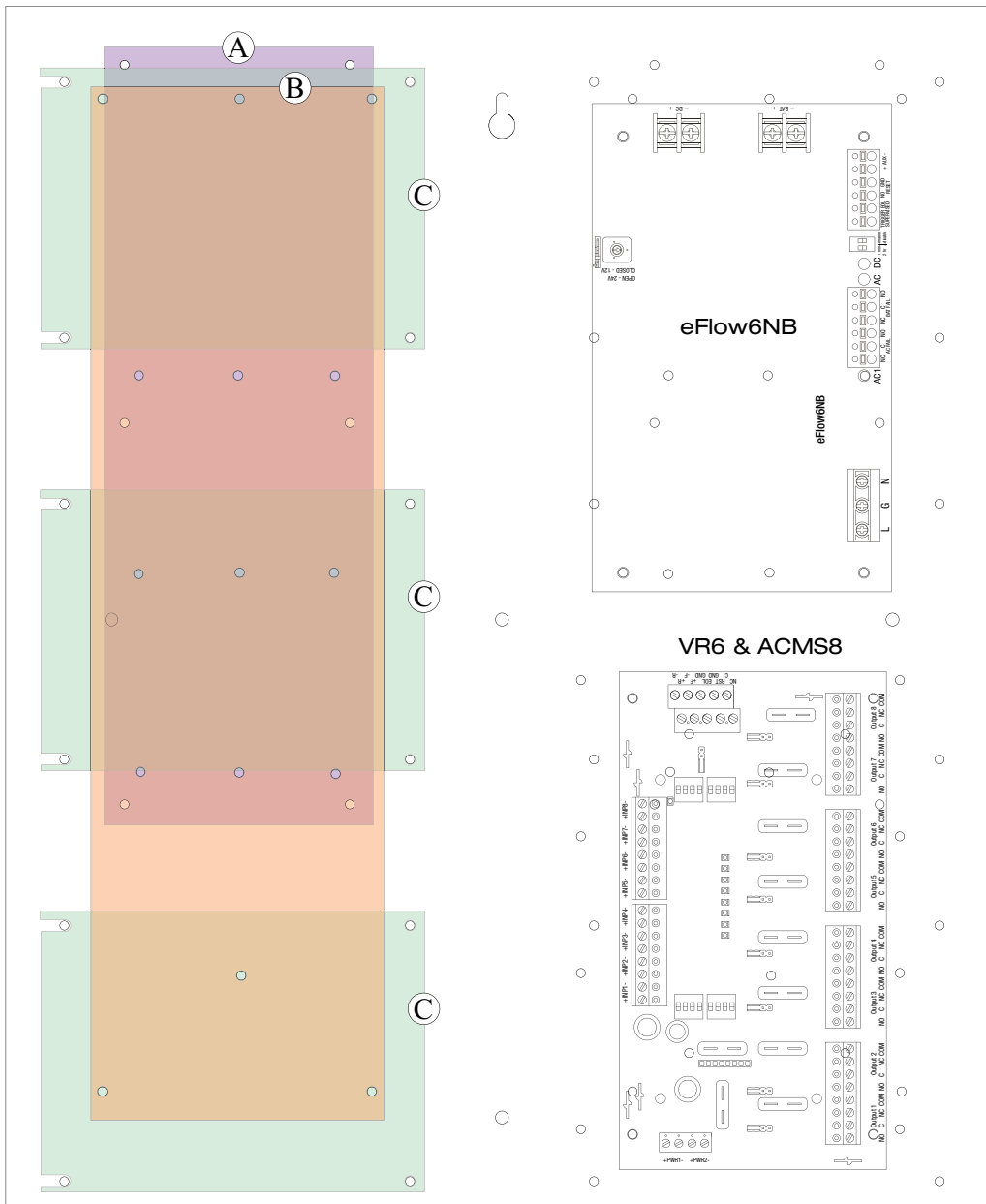
|                   |            |
|-------------------|------------|
| Relative Humidity | 85% +/-5%. |
|-------------------|------------|

|          |             |
|----------|-------------|
| BTU/Hr.: | 115 BTU/Hr. |
|----------|-------------|

## T1RSH3F8 Trove / Software House Kit Access & Power Integration Solution

### 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)          |



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