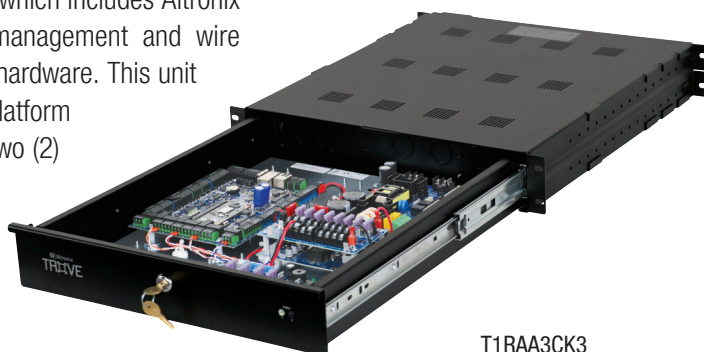


## T1RAA3CK3 (Pre-wired Kit)

### Rack Access and Power Integration Solution for Azure



Altronix T1RAA3CK3 is a 4-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Azure hardware. This unit provides ample power and dual voltage outputs to support Azure platform controllers and locking devices. The T1RAA3CK3 accommodates two (2) 2-Reader Downstream Interfaces. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.



T1RAA3CK3  
includes eFlow6RLB, ACM4, VR6, PDS8,  
wire harnesses and management

*Azure boards are not included*

### Key Features

- Accommodates the following Azure controllers:  
2 - RI2M
- 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 (eFlow6RLB):

#### 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 |

### Dual Input Power Distribution Module (PDS8):

#### Input

|             |                                         |
|-------------|-----------------------------------------|
| Voltage     | 24VDC from eFlow6RLB and 12VDC from VR6 |
| Input Fuses | 10A/32V                                 |

#### Outputs

|                                                                                      |                    |
|--------------------------------------------------------------------------------------|--------------------|
| Voltage                                                                              | 12VDC and/or 24VDC |
| Any of the eight (8) 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)

|           |                                  |
|-----------|----------------------------------|
| DC Output | Eight (8) individual output LEDs |
| Green:    | 12VDC                            |
| Red:      | 24VDC                            |

### Voltage Regulator (VR6):

#### Input

|         |                      |
|---------|----------------------|
| Voltage | 24VDC from eFlow6RLB |
|---------|----------------------|

#### Output

|         |                   |
|---------|-------------------|
| Voltage | 12VDC             |
| Current | 6A continuous     |
| Other   | Surge suppression |

### Indicators (LED)

|        |                  |
|--------|------------------|
| Input  | 24VDC is present |
| Output | Powered          |

### Access Power Controller (ACM4):

#### Input

|            |                      |
|------------|----------------------|
| Voltage    | 24VDC from eFlow6RLB |
| Input Fuse | 10A/32V              |

#### Outputs

|                                                  |       |
|--------------------------------------------------|-------|
| Voltage                                          | 24VDC |
| Four (4) independently controlled fused outputs: |       |
| a) Fail-Safe and/or Fail-Secure power outputs    |       |
| Form "C" Relays rated 28VAC or VDC @ 2.5A        |       |
| b) Auxiliary power outputs (unswitched)          |       |
| c) Any combination of the above                  |       |

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

### Indicators (LED)

|           |                                          |
|-----------|------------------------------------------|
| Red LEDs  | Outputs are triggered (relays energized) |
| Green LED | FACP disconnect is triggered             |

### T1RAA3CK3 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) |

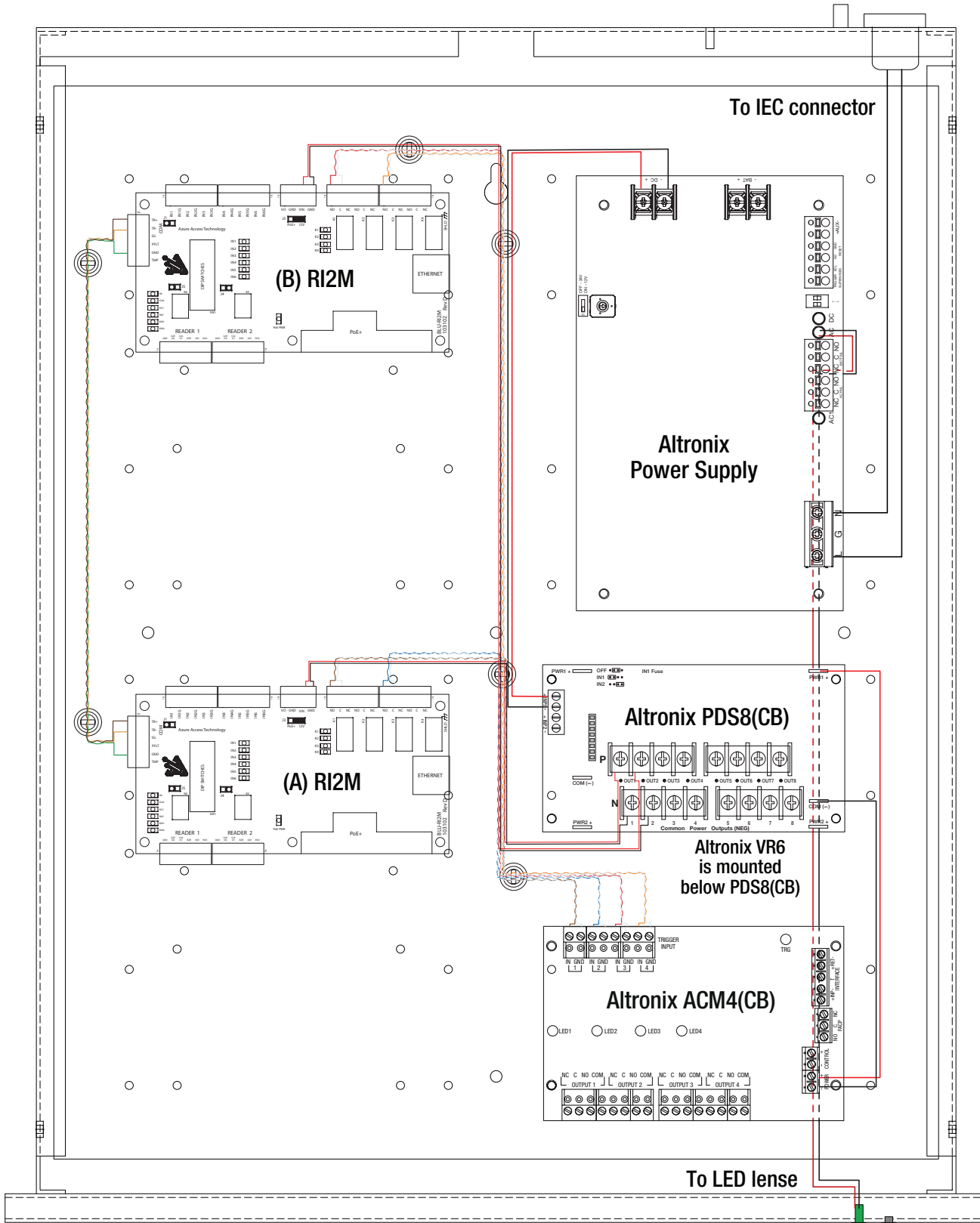
#### Temperature

|            |                                 |
|------------|---------------------------------|
| 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. |

# T1RAA3CK3 (Pre-wired Kit)

## Rack Access and Power Integration Solution for Azure



## Dimensions and Drawing

Dimensions (H x W x D approximate)

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

