

#### Description

Altronix T2KK3F8 kit consists of Trove2 enclosure, TKA2 Keyscan/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) fused access power controller, and one (1) 16VAC transformer.

This kit also accommodate various combinations of Keyscan boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2KK3F8



#### Key Features

- 24VDC power supply/charger.
- Accommodates the following Keyscan controllers: either CA250B, CA4500B or CA8500B, up to two (2) OCB8, and one (1) of each DPS15 and CIM.
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit).
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information.
  - UL: UL294 - Access Control System.
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems.
  - CE European Conformity.
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Lifetime Warranty\*.

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

#### Accessories (order separately)



LINQ2

#### LINQ2 - Network Supervision

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email



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.



Mounting Magnet

#### MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.

## T2KK3F8

### Access & Power Integration Solution

#### Specifications

##### Power Supply (eFlow6NB):

###### Input

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

###### Outputs

|           |                                                  |
|-----------|--------------------------------------------------|
| Voltage   | Factory set at 24VDC.                            |
| Current   | 6A continuous.                                   |
| Auxiliary | Class 2 power-limited @ 1A (unswitched).         |
| Other     | Oversvoltage protection. Filtered and regulated. |

##### Battery Backup *(not included)*

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

##### Transformer (T16100):

###### Input

|         |                      |
|---------|----------------------|
| Voltage | 115VAC, 50/60Hz, 1A. |
|---------|----------------------|

###### Output

|         |                                    |
|---------|------------------------------------|
| Voltage | 16VAC/100VA. 6.25A supply current. |
|---------|------------------------------------|

##### Access Power Controller (ACM8):

###### Input

|            |                      |
|------------|----------------------|
| Voltage    | 24VDC from eFlow6NB. |
| Input Fuse | 10A/250V.            |

###### Outputs

|                                                   |        |
|---------------------------------------------------|--------|
| Voltage                                           | 24VDC. |
| Eight (8) 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 | 3.5A/250V. |
|--------------|------------|

##### Indicators (LED)

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

##### T2KK3F8 Kit:

##### Agency Listings

|    |                      |
|----|----------------------|
| CE | European Conformity. |
|----|----------------------|

##### Physical and Environmental

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Dimensions (H x W x D) | 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm). |
|------------------------|------------------------------------------------------|

##### Weight (approx.)

|          |                      |
|----------|----------------------|
| Product  | 40.9 lb. (18.55 kg). |
| Shipping | 46.9 lb. (21.27 kg). |

##### Temperature

|           |                                |
|-----------|--------------------------------|
| Operating | 0°C to 50°C (32°F to 122°F).   |
| Storage   | -20°C to 70°C (-4°F to 158°F). |

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

|                   |             |
|-------------------|-------------|
| BTU/Hr (approx.): | 111 BTU/Hr. |
|-------------------|-------------|

**Access Controller Position Chart for the Following Models:**

| Keyscan                  | Pem Mounting |
|--------------------------|--------------|
| CA250B, CA4500B, CA8500B | (A)          |
| OCB8                     | (B)          |
| DPS15                    | (C)          |
| CIM                      | (D)          |



