

**T2KK3F8DQ (Kit)**

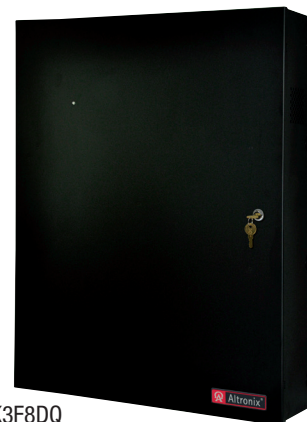
## Access &amp; Power Integration Solution for Keyscan

Altronix T2KK3F8DQ kit consists of Trove2 enclosure, TKA2 Keyscan/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) Network communication module, one (1) PTC 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.

**KEYSCAN**  
ACCESS CONTROL SYSTEMS

**TROVE**



T2KK3F8DQ

*Keyscan modules are not included*

**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)
- Management interface for up to two (2)  
eFlow power supply/chargers
- Management interface software included (USB flash drive)
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Agency Listings:
  - CE European Conformity
- 16 AWG galvanized steel backplane simplifies board layout  
and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty\*

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

## Specifications

### Power Supply/Charger (eFlow6NB):

#### Input

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

#### Outputs

|           |  |
|-----------|--|
| Voltage   | 12VDC or 24VDC selectable                      |
| Current   | 6A continuous max.                             |
| Auxiliary | Power-limited @ 1A (unswitched)                |
| Other     | Overvoltage protection. Filtered and regulated |

### Battery Charging

|                               |  |
|-------------------------------|--|
| Capacity                      | 12AH/12VDC (2 within enclosure)<br>40AH/65AH (requires separate enclosure) |
| Type                          | Sealed lead acid or gel type   |
| Failover                      | Upon AC loss, instantaneous  |
| Batteries are sold separately |  |

### 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 71-73% for 12V units and 70-75% for 24V units (depending on the power supply)  
Prevents deep battery discharge

### Indicators (LED)

|           |                   |
|-----------|-------------------|
| Input     | 120VAC is present |
| DC Output | Powered           |

### Network Communication Module (LINQ2):

#### Status Monitoring

AC status; Output current draw; Unit's temperature;  
DC output voltage; Low Battery/Battery presence detection  
Input trigger state change; Output (relay and power supply) state change

#### Programming

Battery service date indication  
Programmable via USB or web browser  
Automated timed events:  
- Control output relays and power supply via flexible timing parameter

#### Reporting

Programmable dashboard notifications  
E-mail notification selectable by event  
Event log tracks history (100+ events)

### Indicators (LED)

|           |          |
|-----------|----------|
| Blue LED: | Power ON |
|-----------|----------|

### Transformer (T16100):

#### Input

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

#### Output

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

### Access Power Controller (ACM8CB):

#### Input

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

#### Outputs

|   |       |
|---|-------|
| Voltage   | 24VDC |
| Eight (8) independently controlled PTC 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 PTCs

2.5A

### Indicators (LED)

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

### T2KK3F8DQ Kit:

#### Agency Listings

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

### Physical and Environmental:

#### Dimensions (H x W x D)

|            |   |
|------------|---|
| Enclosure: | 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)   |
| Shipping:  | 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm) |

#### Weight (approx.)

|           |                     |
|-----------|---------------------|
| Product:  | 41.3 lb. (18.73 kg) |
| Shipping: | 47.3 lb. (21.45 kg) |

#### Temperature

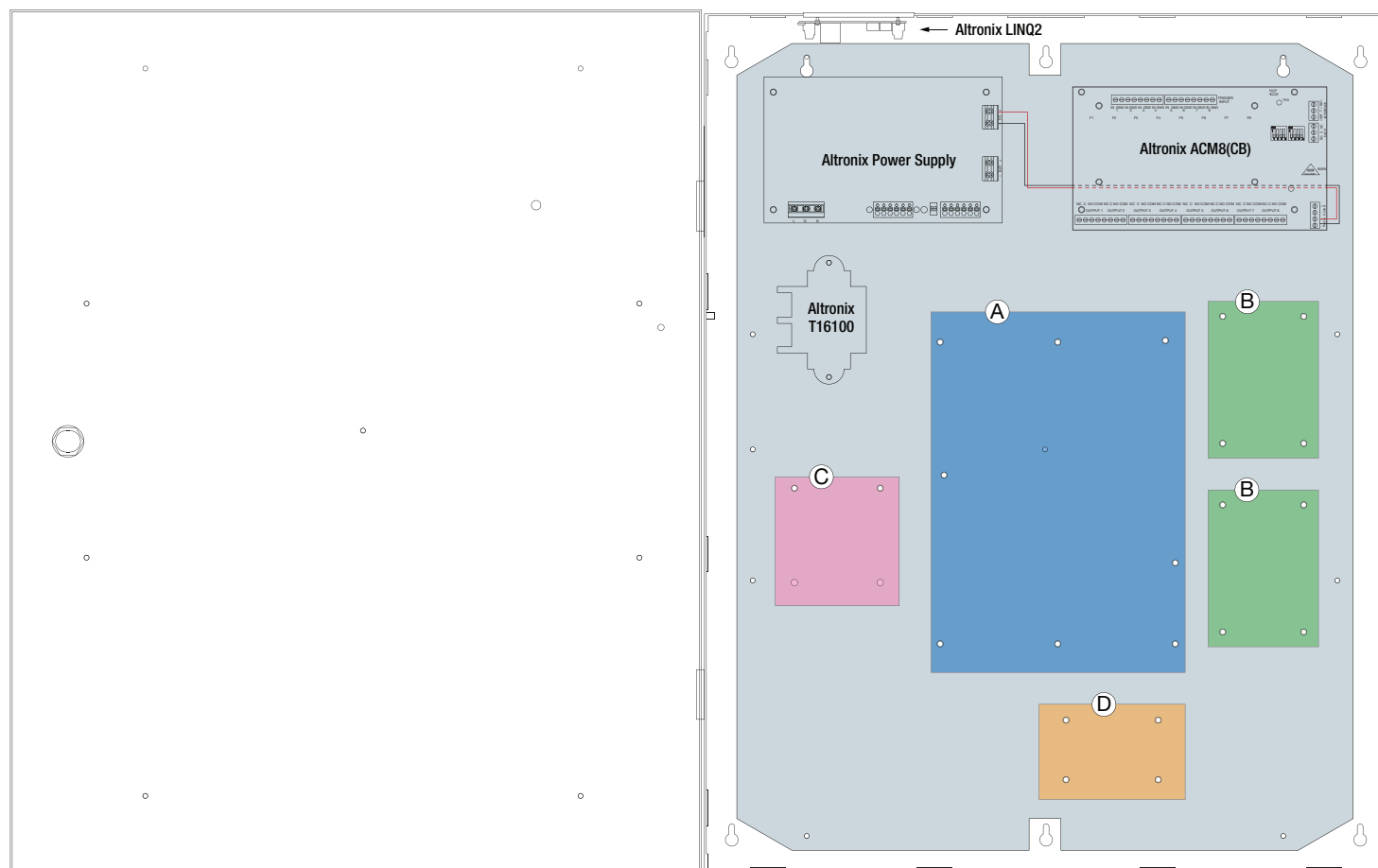
|           |                                 |
|-----------|---------------------------------|
| Operating | 0°C to 49°C (32°F to 120°F)     |
| Storage   | - 20°C to 70°C (- 4°F to 158°F) |

#### Relative Humidity

|                    |                    |
|--------------------|--------------------|
| BTU/Hr. (approx.): | 12VDC: 74 BTU/Hr.  |
|                    | 24VDC: 148 BTU/Hr. |

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

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



**Accessories (order separately)**

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.



BR1

**BR1 - Sub-Assembly Mounting Bracket**

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC  
with  
batteriesTrove2BWC  
with  
wires**TROVE2BWC - Battery/Wire Trough Enclosure**

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

# T2KK3F8DQ (Kit)

## Access & Power Integration Solution for Keyscan



## Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

