

## T2KK3F8D (Kit)

Access & Power Integration Solution for Keyscan



Altronix T2KK3F8D kit consists of Trove2 enclosure, TKA2 Keyscan/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) PTC access power controller, and one (1) 16VAC transformer. This kit also accommodates 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.



T2KK3F8D

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

**Battery Charging**

Capacity 12AH/12VDC (2 within enclosure)  
 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 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 (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

**T2KK3F8D 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 40.9 lb. (18.55 kg)  
 Shipping 46.9 lb. (21.27 kg)

**Temperature**

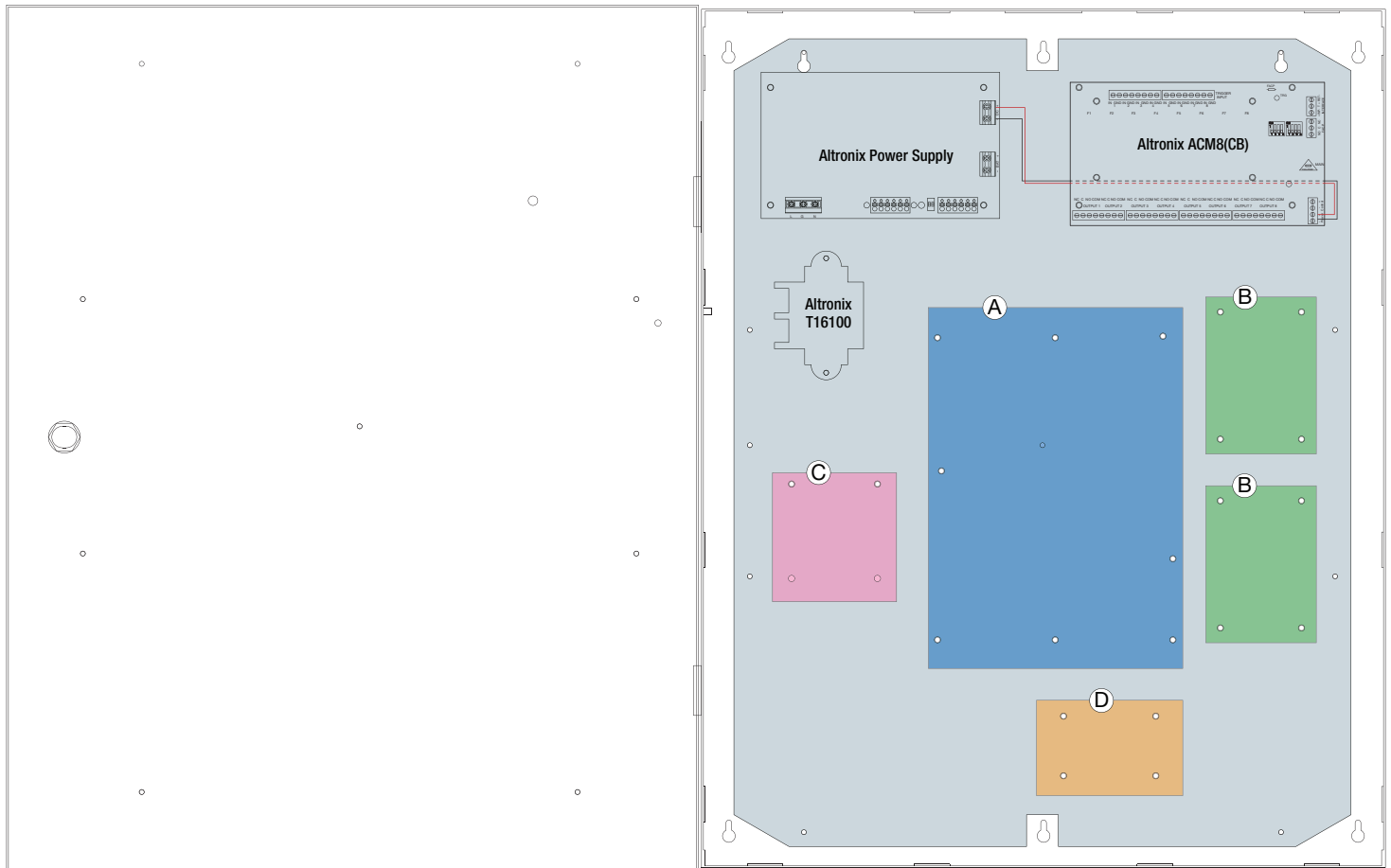
Operating 0°C to 49°C (32°F to 120°F)  
 Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (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)



**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.



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  
batteries



Trove2BWC  
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.

**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)

