TROVE™

T2KK3F8DQ
Access & Power Integration Solution

Description

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.

dormakaba

T2KK3F8Q

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.

- Management interface for up to two (2) eFlow power supply/chargers.
- Management interface software included (USB flash drive)
- 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)*

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.

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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	Overvoltage 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.

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

Class 2 power-limited auto-resettable outputs.

Voltage	24VDC.

Eight (8) 24VDC independently controlled PTC outputs:
a) Fail-Safe and/or Fail-Secure power outputs.
   Form "C" Relays rated 28VAC or VDC @ 2.5A.
b) 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)
   27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).

Weight (approx.)

Product	41.3 lb. (18.73 kg).
Shipping	47.3 lb. (21.45 kg).

Temperature

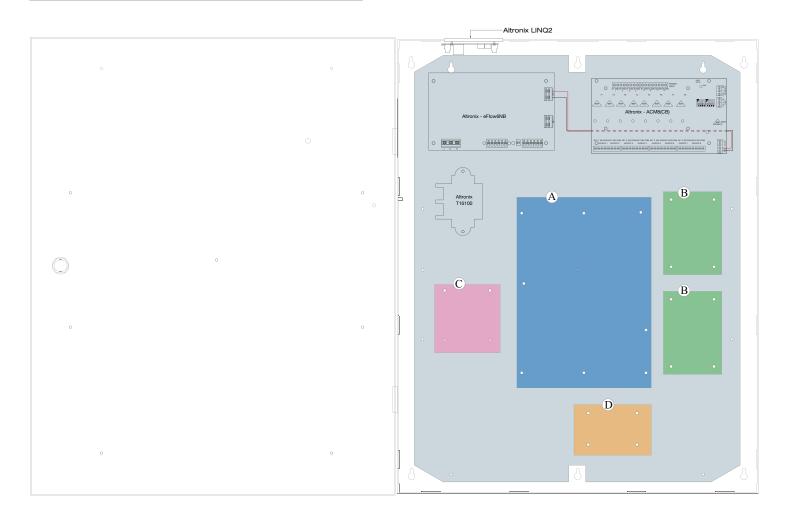|	
Operating	0ºC to 50ºC (32ºF to 122ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
Relative Humidity	85% +/-5%.
BTU/Hr (approx.):	111 BTU/Hr.

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Access Controller Position Chart for the Following Models:

Altronix®

Keyscan	Pem Mounting
CA250B, CA4500B, CA8500B	Ⓐ
OCB8	Ⓑ
DPS15	Ⓒ
CIM	Ⓓ

Altronix LINQ2

Altronix - eFlow6NB

Altronix - ACM8(CB)

Altronix
T16100

Ⓐ

Ⓑ

Ⓑ

Ⓒ

Ⓓ

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Altronix®

21.50" (546.1mm)

2.00" (50.8mm)
5.25" (133.35mm)
3.5"(88.9mm)
3.5"(88.9mm)
5.25" (133.35mm)
2.00" (50.8mm)

1.25" (31.8mm)

0.5625" (14.3mm)

0.685" (17.4mm)

Knockouts
1.125" (28.3mm)

1.77" (45mm)

6.25" (158.8mm)

Ø 2.415" (61.3mm)

0.885" (22.5mm)

6.25" (158.8mm)
1.25" (31.8mm)

1.5" (38.1mm)

19.80" (502.9mm)

2.00" (50.8mm)

6.75" (171.5mm)

27" (685.8mm)

8.25" (209.5mm)

8.00" (203.2mm)

0.85" (21.6mm)

2.00" (50.8mm)

1.00" (25.4mm)

1.25" (31.8mm)

1.25" (31.8mm)

2.00" (50.8mm)
5.25" (133.4mm)
7.00" (177.8mm)
5.25" (133.4mm)
2.00" (50.8mm)