

#### Description

Altronix T2CVK7F10 kit consists of Trove2 enclosure, TCV2 CDVI/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 8-output fused access power controller, one (1) 4-output fused access power controller and one (1) 8-output fused power distribution module.

This kit also accommodate various combinations of CDVI Atrium A22K/A22NB/ADH10 boards for up to ten (10) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2CVK7F10

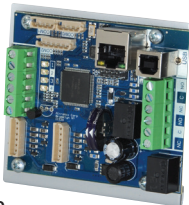


#### Key Features

- 24VDC power supply/charger.
- Accommodates up to five (5) CDVI Atrium A22K/A22NB/ADH10 boards.
- 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
  - Supervision (*cont'd*)
    - 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.

# T2CVK7F10

## Access & Power Integration Solution

### Specifications

#### Power Supply (eFlow104NB):

##### Input

Voltage	120VAC, 60Hz 4.5A.
Input Fuse	6.3A/250V.

##### Output

Voltage	24VDC @ 10A.
Auxiliary	1A (unswitched).
Protection	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)

AC Input	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

#### Access Power Controller (ACM8):

##### Input

Voltage	24VDC from eFlow104NB.
Input Fuse	10A/32V.

##### 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.	

Eight (8) auxiliary power outputs (unswitched).

Output Fuses	3.5A/250V.
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#### Indicators (LED)

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

#### Access Power Controller (ACM4):

##### Input

Voltage	24VDC from eFlow104NB.
Input Fuse	10A/320V.

##### Outputs

Voltage	24VDC.
Four (4) independently controlled 2.5A outputs:	
a) Four (4) Fail-Safe and/or Fail-Secure power outputs.	
b) Four (4) dry form "C" 5A rated relay outputs.	
c) Any combination of the above.	

Four (4) auxiliary power outputs (unswitched).

Output Fuses	3A/32V.
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#### Indicators (LED)

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

#### Power Distribution Module (PD8UL):

##### Input

Voltage	24VDC from eFlow104NB.
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##### Outputs

Voltage	24VDC.
Eight (8) fuse protected outputs. 3.5A per output max.	

Output Fuses	3.5A/250V.
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#### Indicators (LED)

Green LED	DC Output.
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#### T2CVK7F10 Kit:

##### Agency Listings

All components of this Trove kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information.

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	54.7 lb. (24.8 kg).
Shipping	59.7 lb. (27.1 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.): 131 BTU/Hr.

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

CDVI	Pem Mounting
A22K1NB, A22NB, ADH10	Ⓐ



