

## T2CVK33F10

Access & Power Integration Solution for CDVI

Altronix T2CVK33F10 kit consists of Trove2 enclosure, TCV2 CDVI/Altronix backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, and two (2) PTC protected five (5) output Power Distribution Modules with Fire Alarm Interface. 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.



# TROVE™



T2CVK33F10

*CDVI boards are not included*

### Key Features

- 12 or 24VDC power supply/chargers
- 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)
- 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
- 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

### Two (2) Power Supply/Chargers (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) 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

### Two (2) Power Distribution Modules with Fire Alarm Interface (MOM5):

#### Input

Voltage	12VDC or 24VDC from power supply
---------	----------------------------------

#### Outputs

Five (5) individual PTC protected auto-resettable power-limited outputs

Voltage	12VDC or 24VDC
Current	2.5A continuous supply current Current limit is 2A per output
Other	Short circuit and thermal overload protection Filtered and regulated
Output PTCs	2.5A

#### Fire Alarm Interface

Fire Alarm Panel or Access Control System trigger inputs N.O. or N.C. supervised trigger input and polarity reversal trigger input

#### Supervision

Power Failure	Form "C" contact rated 1A 28VDC/115VAC
Trigger	Form "C" contact rated 1A 28VDC/115VAC

#### Indicators (LED)

Input	Power is present
Input Trigger	On
Outputs	Output fail

### T2CVK33F10 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)

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:	54.7 lb. (24.8 kg)
Shipping:	59.7 lb. (27.1 kg)

##### Temperature

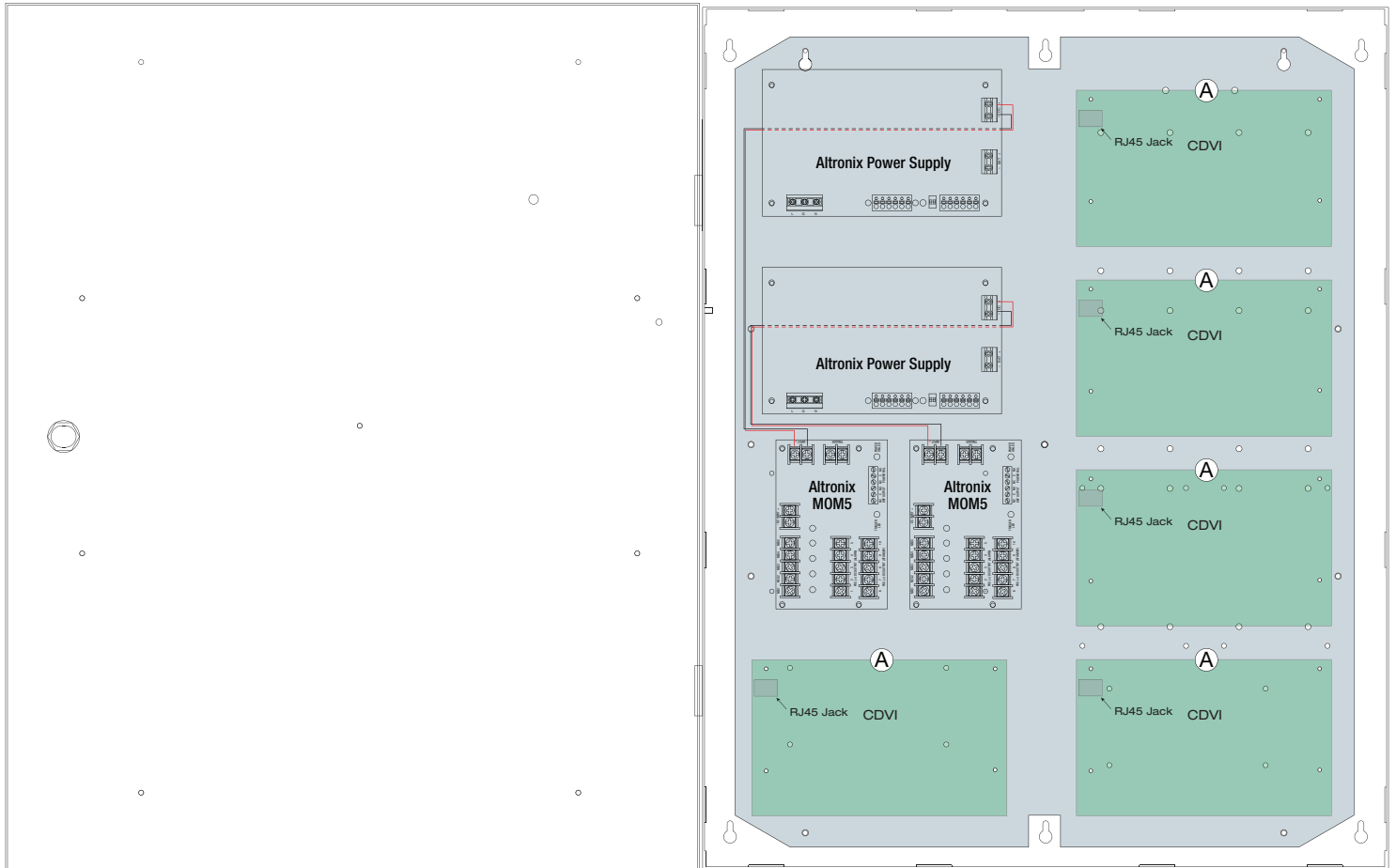
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

##### Relative Humidity

BTU/Hr. (approx.):	85% +/- 5%
	12VDC: 74 BTU/Hr.
	24VDC: 148 BTU/Hr.
	12VDC and 24VDC: 111 BTU/Hr.

## Access Controller Position Chart for the Following Models:

CDVI	Pem Mounting
A22K1NB, A22NB, ADH10	(A)



**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  
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.



Trove™

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



phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: [info@altronix.com](mailto:info@altronix.com) | [www.altronix.com](http://www.altronix.com)