Altronix®

T1CVK3F4 (Kit)
Access & Power Integration Solution for CDVI

TROVE™

Altronix T1CVK3F4 kit consists of Trove1 enclosure, TC1 CDVI/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger and one (1) fused access power controller. This kit also accommodate various combinations of CDVI Atrium A22K/A22NB/ADH10 boards for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

CDVI

T1CVK3F4

CDVI boards are not included

Key Features

- 12 or 24VDC power supply/charger
- Accommodates up to two (2) CDVI Atrium A22K/A22NB/ADH10 boards
- Convenient knockout configuration:
  - One (1) double knockout
    1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
  - Nine (9) 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 two (2) 12VDC/7AH batteries
- Lifetime Warranty*

Altronix Power Supply/Chargers and Sub-Assemblies only

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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	7AH/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

Access Power Controller (ACM4):

Input

Voltage	12VDC or 24VDC from eFlow6NB
Input Fuse	10A/32V

Outputs

Voltage	24VDC

Four (4) independently controlled fused outputs:
  a) Four (4) Fail-Safe and/or Fail-Secure power outputs
  b) Four (4) auxiliary power outputs (unswitched)
  c) Any combination of the above

Output Fuses	3A/32V

Indicators (LED)

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

T1CVK3F4 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:
  18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
  Shipping:
  21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Product	15.5 lb. (7.0 kg)
Shipping	19.5 lb. (8.9 kg)

Temperature

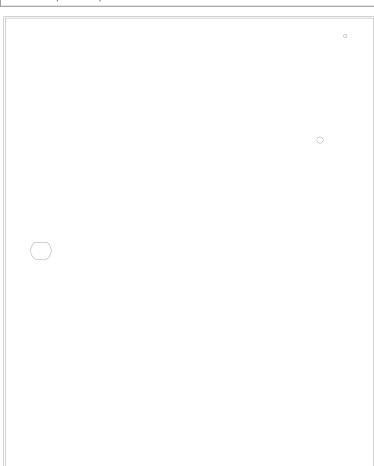|	
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	− 20ºC to 70ºC (− 4ºF to 158ºF)
Relative Humidity	85% +/− 5%
BTU/Hr (approx.):	12VDC: 40 BTU/Hr.
	24VDC: 77 BTU/Hr.

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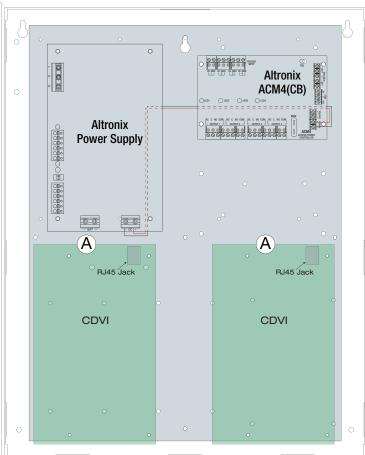Access & Power Integration Solution for CDVI

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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.

Dimensions and Drawing

Dimensions (H x W x D approximate)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)