



## **Access & Power Integration Solution**

#### Description

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.



#### 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).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.

- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Agency Listings:
  - UL: UL294 Access Control System.
  - cUL: CAN/ULC s319-05 Electronic Access Control Systems.
  - CE European Conformity.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Lifetime Warranty\*/Made in the U.S.A.

### Accessories (order separately)



#### 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, 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.



#### 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.

Mounting Magnet

<sup>\*</sup>Altronix Power Supply/Chargers and Sub-Assemblies only



#### T1CVK3F4



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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.

Back-up Battery (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

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 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/32VDC.

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)

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

Weight (approx.)

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

12VDC: 40 BTU/Hr. 24VDC: 77 BTU/Hr.

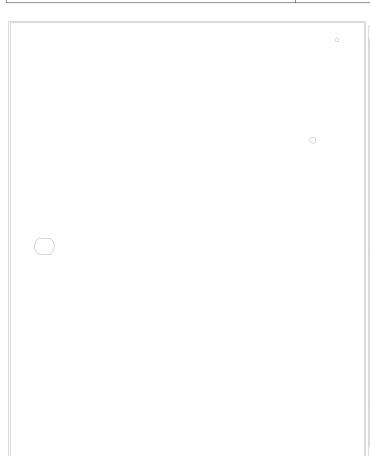


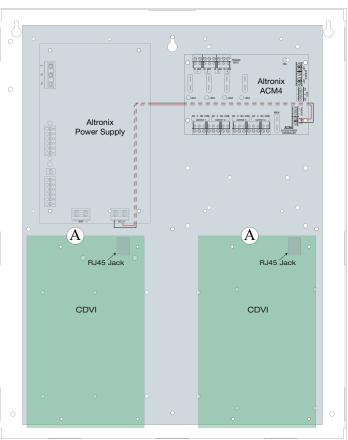


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## **Access Controller Position Chart for the Following Models:**

CDVI	Pem Mounting
A22K1NB, A22NB, ADH10	A









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