

## T1CVK34D (Kit)

### Access & Power Integration Solution for CDVI

Altronix T1CVK34D kit consists of Trove1 enclosure, TC1 CDVI/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger and one (1) PTC access power controller. This kit also accommodates 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.



# TROVE™



T1CVK34D

*CDVI modules 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) single knockout 1.948" (1-1/2" 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
  - Battery Fail and Battery Presence
- 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.

## Specifications

### Power Supply/Charger (AL600ULXB):

#### Input

Voltage	115VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

#### Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	7AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
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Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

### Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

### Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

### Access Power Controller (ACM4CB):

#### Input

Voltage	12VDC or 24VDC from AL600ULXB
Input PTC	9A

#### Outputs

Voltage	24VDC
Four (4) independently controlled PTC 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 PTCs	2.5A
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### Indicators (LED)

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

### T1CVK34D 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

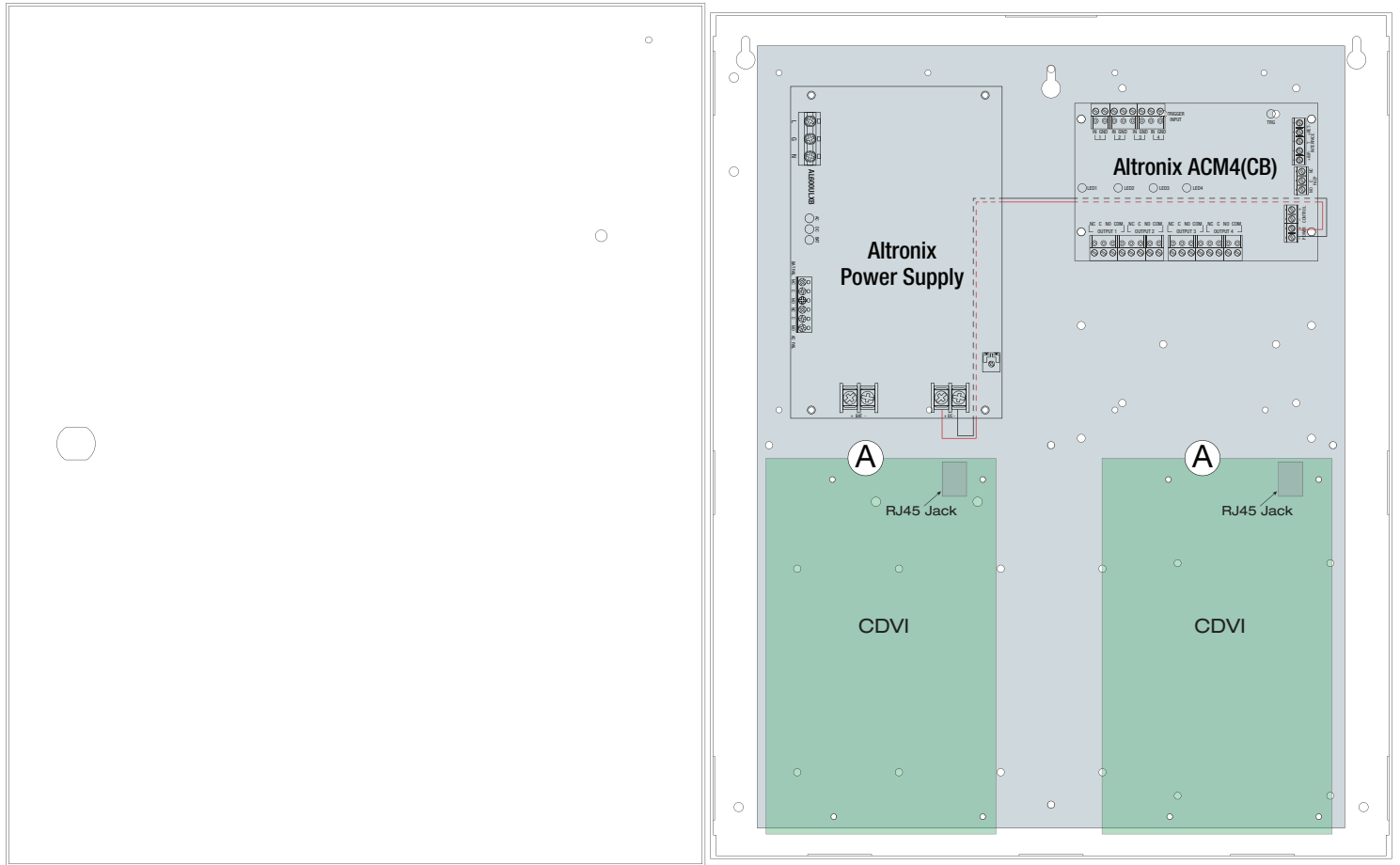
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.):	12VDC: 40 BTU/Hr.
	24VDC: 77 BTU/Hr.

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

CDVI	Pem Mounting
A22K1NB, A22NB, ADH10	(A)



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Trove

## Dimensions and Drawing

Dimensions (H x W x D approximate)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118mm)

