

T1CVK34 (Kit)

Access & Power Integration Solution for CDVI



Altronix T1CVK34 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 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.



T1CVK34

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)

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 (ACM4):

Input

Voltage 12VDC or 24VDC from AL600ULXB
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

T1CVK34 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

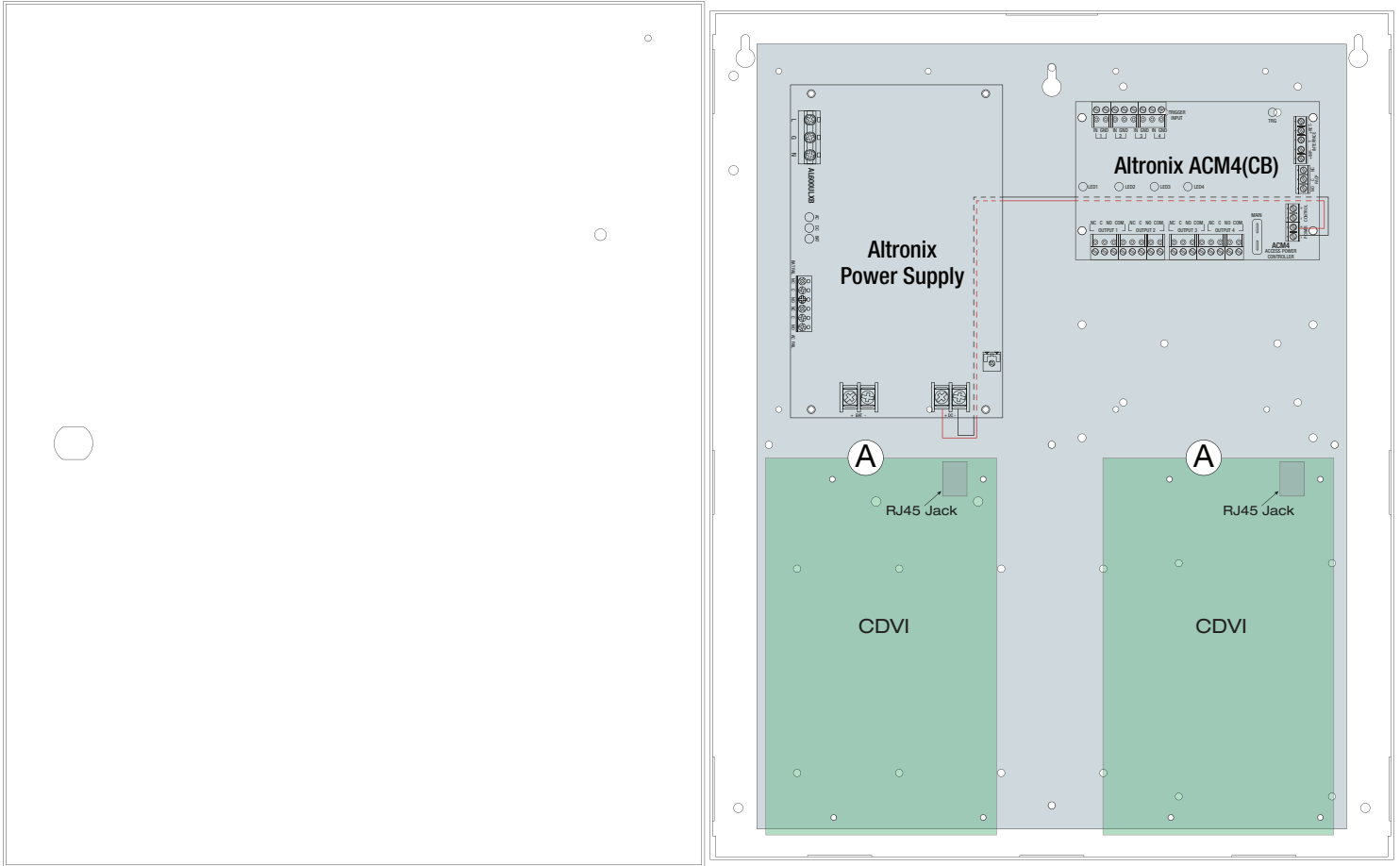
85% +/- 5%

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



Dimensions and Drawing

Dimensions (H x W x D approximate)
18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118mm)

