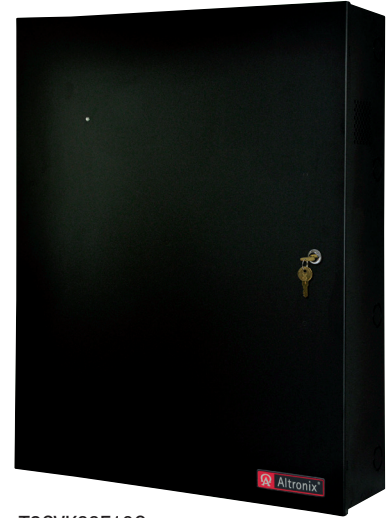


Description

Altronix T2CVK33F10Q kit consists of Trove2 enclosure, TCV2 CDVI/Altronix backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, one (1) network communication module 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.



T2CVK33F10Q



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).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown.
- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email
- 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.

T2CVK33F10Q

Access & Power Integration Solution

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. |

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. |

Network Communication Module (LINQ2):

Status Monitoring

AC status; Output current draw; Unit's temperature;
DC output voltage; Low Battery/Battery presence detection.
Input trigger state change; Output (relay and power supply) state change.

Programming

Battery service date indication.
Programmable via USB or web browser.
Automated timed events:
- Control output relays and power supply via flexible timing parameter.

Reporting

Programmable dashboard notifications.
E-mail notification selectable by event.
Event log tracks history (100+ events).

Indicators (LED)

| | |
|-----------|-----------|
| Blue LED: | Power ON. |
|-----------|-----------|

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

Input

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

Output

Five (5) individual Class 2 Rated PTC protected power-limited outputs (auto-resettable).
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.

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 (Individual LEDs) | Output fail. |

T2CVK33F10Q 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)

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

Weight (approx.)

| | |
|----------|---------------------|
| Product | 55.1 lb. (25 kg). |
| Shipping | 60.1 lb. (27.3 kg). |

Temperature

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

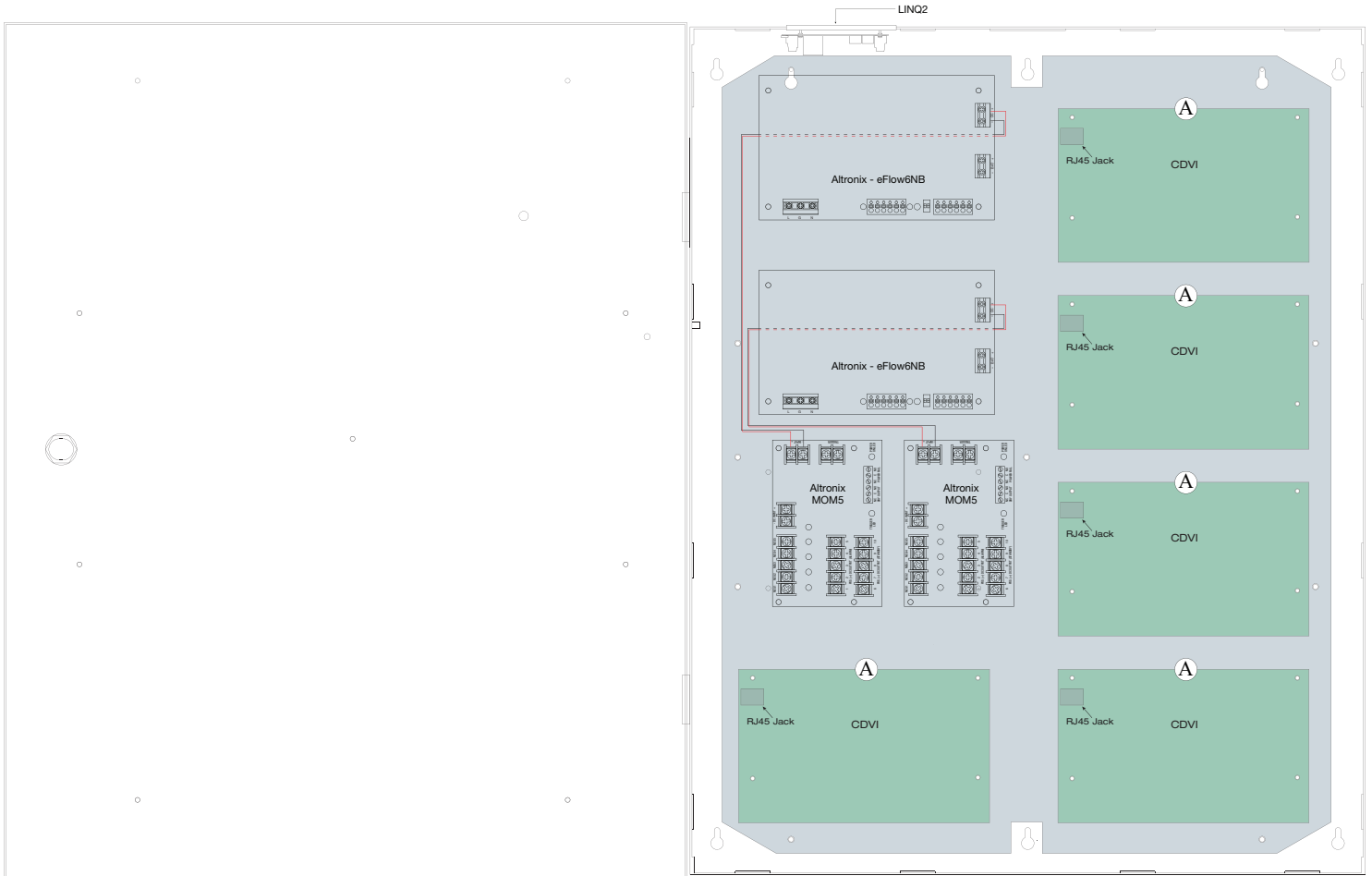
Relative Humidity

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

T2CVK33F10Q Access & Power Integration Solution

Access Controller Position Chart for the Following Models:

| CDVI | Pem Mounting |
|-----------------------|--------------|
| A22K1NB, A22NB, ADH10 | Ⓐ |



T2CVK33F10Q Access & Power Integration Solution

