

#### Description

Altronix T2PHK33F16 kit consists of Trove2 enclosure, TCV2 Openpath/Altronix backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, and two eight (8) fuse protected output access control modules. This kit also accommodates up to two (2) Openpath Core, two (2) Elevator Board, two (2) 4-Port or 8-Port modules for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



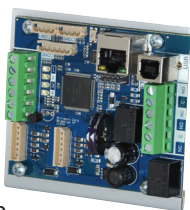
T2PHK33F16

#### Key Features

- 12 or 24VDC power supply/chargers.
- Accommodates up to two (2) Openpath OP-ACC, OP16EM, and two (2) OP-EX-4E or OP-X-8E modules.
- 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.
- Agency Listings:
  - 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\*/Made in the U.S.A.

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

#### 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.



## T2PHK33F16

### 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.

Falover 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.

##### Two (2) Access Power Controllers (ACM8):

###### Input

Voltage 24VDC from eFlow104NB.

Input Fuse 10A/250V.

###### Outputs

Voltage 24VDC.

Eight (8) 24VDC independently controlled fused outputs:

- Fail-Safe and/or Fail-Secure power outputs.  
Form "C" Relays rated 28VAC or VDC @ 2.5A.
- Auxiliary power outputs (unswitched).
- Any combination of the above.

##### Two (2) Access Power Controllers (ACM8) (cont'd):

Output Fuses 3.5A/250V.

##### Indicators (LED)

Red LEDs Outputs are triggered (relays energized).

Green LED FACP disconnect is triggered.

##### T2PHK33F16 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 54.7 lb. (24.8 kg).

Shipping 59.7 lb. (27.1 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.



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Access & Power Integration Solution



Access Controller Position Chart for the Following Models:

Openpath	Pem Mounting
OP-ACC	(A)
OP-EX-4E	(B)
OP-EX-8E	(C)
OP-16EM	(D)

