

T2PHK33F16P8 (Kit)

Access & Power Integration Solution for Openpath



Altronix T2PHK33F16P8 kit consists of Trove2 enclosure, TCV2 Openpath/Altronix backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, two eight (8) fuse protected output access control modules and one (1) fused power distribution module. 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.



T2PHK33F16P8

Openpath boards are not included

Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates one (1) Openpath OP-ACC, up to two (2) OP16EM, and up to three (3) 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).
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 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
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/12AH batteries
- Lifetime Warranty*

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

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

Battery Charging

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

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

Power Distribution Module (PD8UL):

Input

Voltage 12VDC from eFlow6NB

Outputs

Voltage 12VDC
 Fuses 3.5A/250V

Indicators (LED)

Green LED DC Output

Two (2) Access Power Controllers (ACM8):

Input

Voltage 24VDC from eFlow6NB
 Input Fuse 10A/250V

Outputs

Voltage 24VDC
 Eight (8) 24VDC independently controlled fused outputs:
 a) Fail-Safe and/or Fail-Secure power outputs
 Form "C" Relays rated 28VAC or VDC @ 2.5A
 b) Auxiliary power outputs (unswitched)
 c) Any combination of the above

Output Fuses 3.5A/250V

Indicators (LED)

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

T2PHK33F16P8 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: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
 Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

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.

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)



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.



BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC
with
batteries



Trove2BWC
with
wires



TROVE2BWC - Battery/Wire Trough Enclosure

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)

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

