

## T2PHK7524 (Kit)

Access & Power Integration Solution for Openpath



Altronix T2PHK7524 kit consists of Trove2 enclosure, TCV2 Openpath/Altronix backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/charger, two (2) twelve (12) fuse protected output dual input access control modules and one (1) sixteen (16) fused output dual input power distribution module. This kit also accommodates up to one (1) Openpath Core, two (2) Elevator Board, three (3) 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.



T2PHK7524

*Openpath boards are not included*

### Key Features

- 12VDC & 24VDC power supply/chargers
- Accommodates Openpath modules: one (1) OP-ACC, up to two (2) OP16EM, or 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
- CE European Conformity
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty\*

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

**Specifications**

**Power Supply/Charger 1 (AL1024ULXB2):**

**Input**

Voltage 115VAC 60Hz, 4.2A  
Input Fuse 5A/250V

**Output**

Voltage 24VDC  
Current 10A @ 24VDC continuous max.  
Other Overvoltage protection. Filtered and regulated

**Power Supply/Charger 2 (AL1012ULXB):**

**Input**

Voltage 115VAC, 60Hz, 2.6A  
Input Fuse 5A/250V

**Output**

Voltage 12VDC  
Current 10A @ 12VDC continuous max.  
Other Overvoltage protection. Filtered and regulated

**Both Power Supplies:**

**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

**Supervision**

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

**Indicators (LED)**

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

**Two (2) Dual Input Access Power Controllers (ACMS12):**

**Input**

Voltage 24VDC from AL1024ULXB2 and  
12VDC from AL1012ULXB  
Input Fuses 15A/32V

**Outputs**

Voltage 12VDC and/or 24VDC  
Twelve (12) 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 3A/32V

**Indicators (LED)**

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

**Dual Input Power Distribution Module (PDS16):**

**Input**

Voltage 24VDC from AL1024ULXB2 and  
12VDC from AL1012ULXB

Input Fuses 15A/32V

**Outputs**

Voltage 12VDC and/or 24VDC  
Any of the sixteen (16) power outputs are selectable  
to follow power Input 1 or Input 2  
Individual outputs may be set to OFF position for servicing

Output Fuses 3A/32V

**Indicators (LED)**

DC Output Sixteen (16) individual output LEDs  
Green: 12VDC  
Red: 24VDC

**T2PHK7524 Kit:**

**Agency Listings**

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**

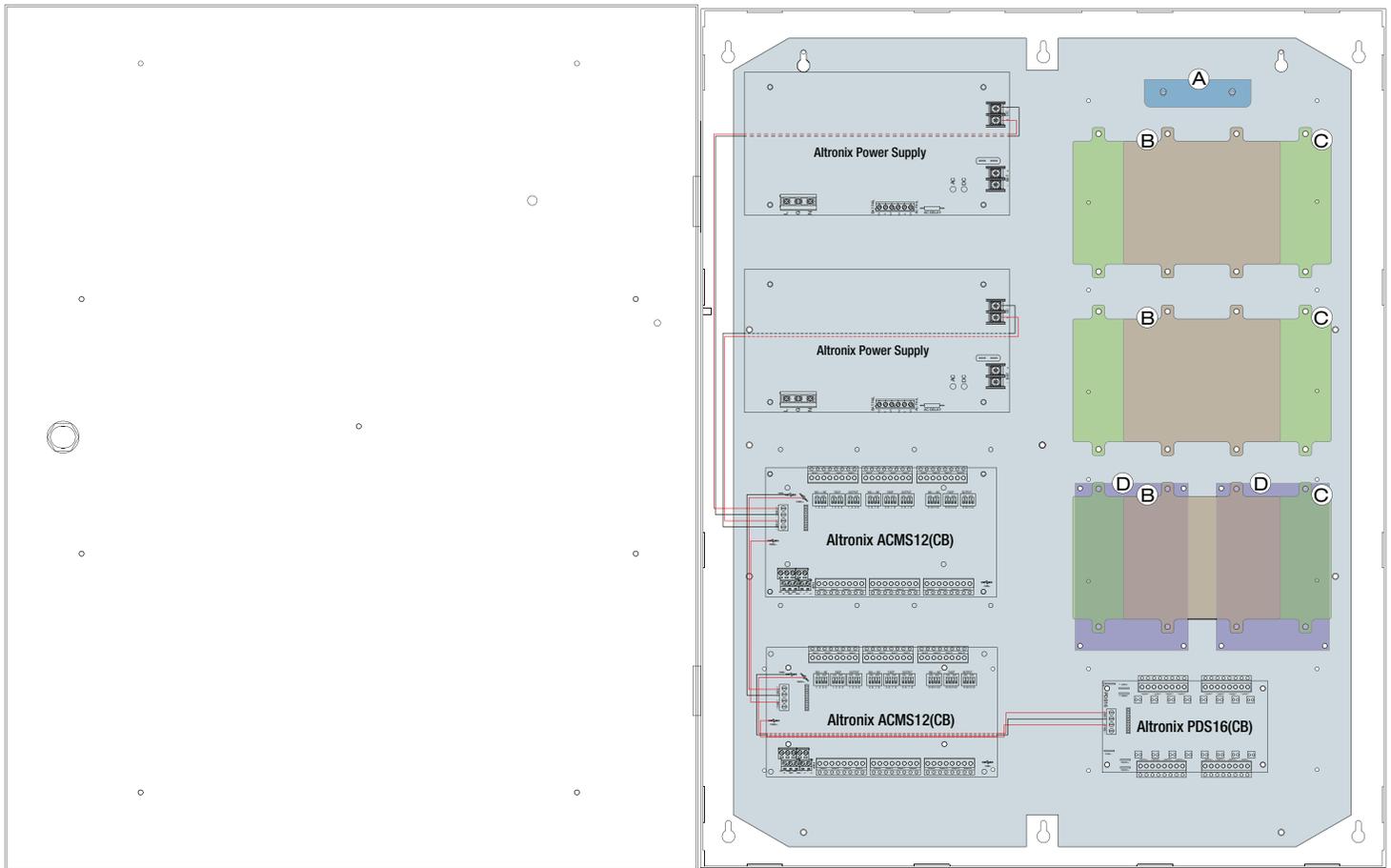
85% +/- 5%

**BTU/Hr (approx.):**

290 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)



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)

