

## T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath



Altronix T2PHK7524D 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) PTC protected output dual input access control modules and one (1) sixteen (16) output dual input PTC 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.



T2PHK7524D

*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):**

<b>Input</b>	
Voltage	115VAC 60Hz, 4.2A
Input Fuse	5A/250V
<b>Output</b>	
Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

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

<b>Input</b>	
Voltage	115VAC, 60Hz, 2.6A
Input Fuse	5A/250V
<b>Output</b>	
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 (ACMS12CB):**

<b>Input</b>	
Voltage	24VDC from AL1024ULXB2 and 12VDC from AL1012ULXB
Input PTCs	9A

**Outputs**

Voltage	12VDC and/or 24VDC
Twelve (12) independently controlled PTC 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 PTCs	2.5A
-------------	------

**Indicators (LED)**

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

**Dual Input Power Distribution Module (PDS16CB):**

<b>Input</b>	
Voltage	24VDC from AL1024ULXB2 and 12VDC from AL1012ULXB
Input PTCs	9A

**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 PTCs	2.5A
-------------	------

**Indicators (LED)**

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

**T2PHK7524D 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**

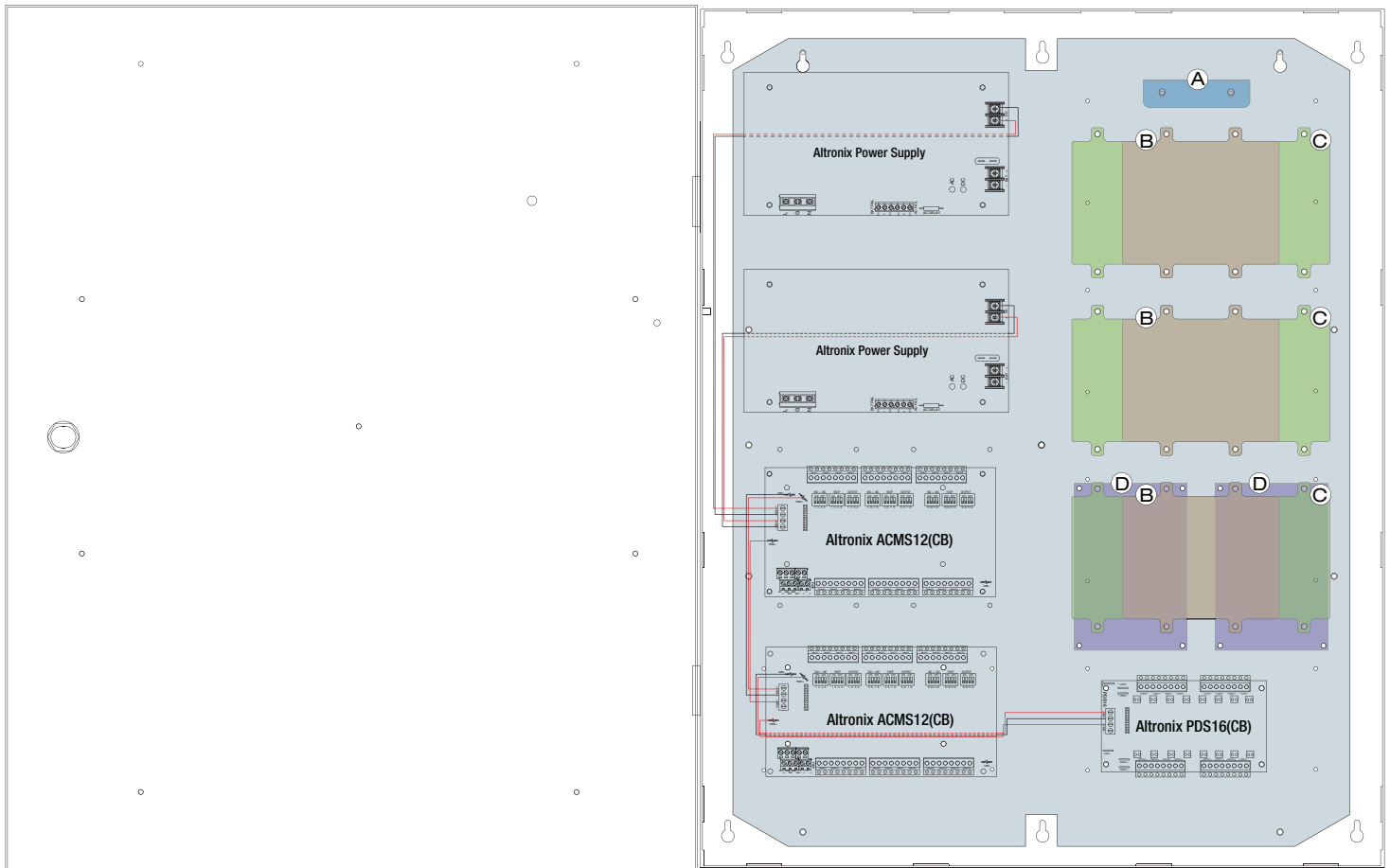
Operating	0°C to 49°C (32°F to 120°F)
Storage	- 20°C to 70°C (- 4°F to 158°F)

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)

