Altronix®

Rev. 06162023

T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath

TROVE™

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.

openpath

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
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty*

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

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

Altronix®

T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath

TROVE™

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 (4 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):

Input

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):

Input

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	0ºC to 49ºC (32ºF to 120ºF)
Storage	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.):	290 BTU/Hr.

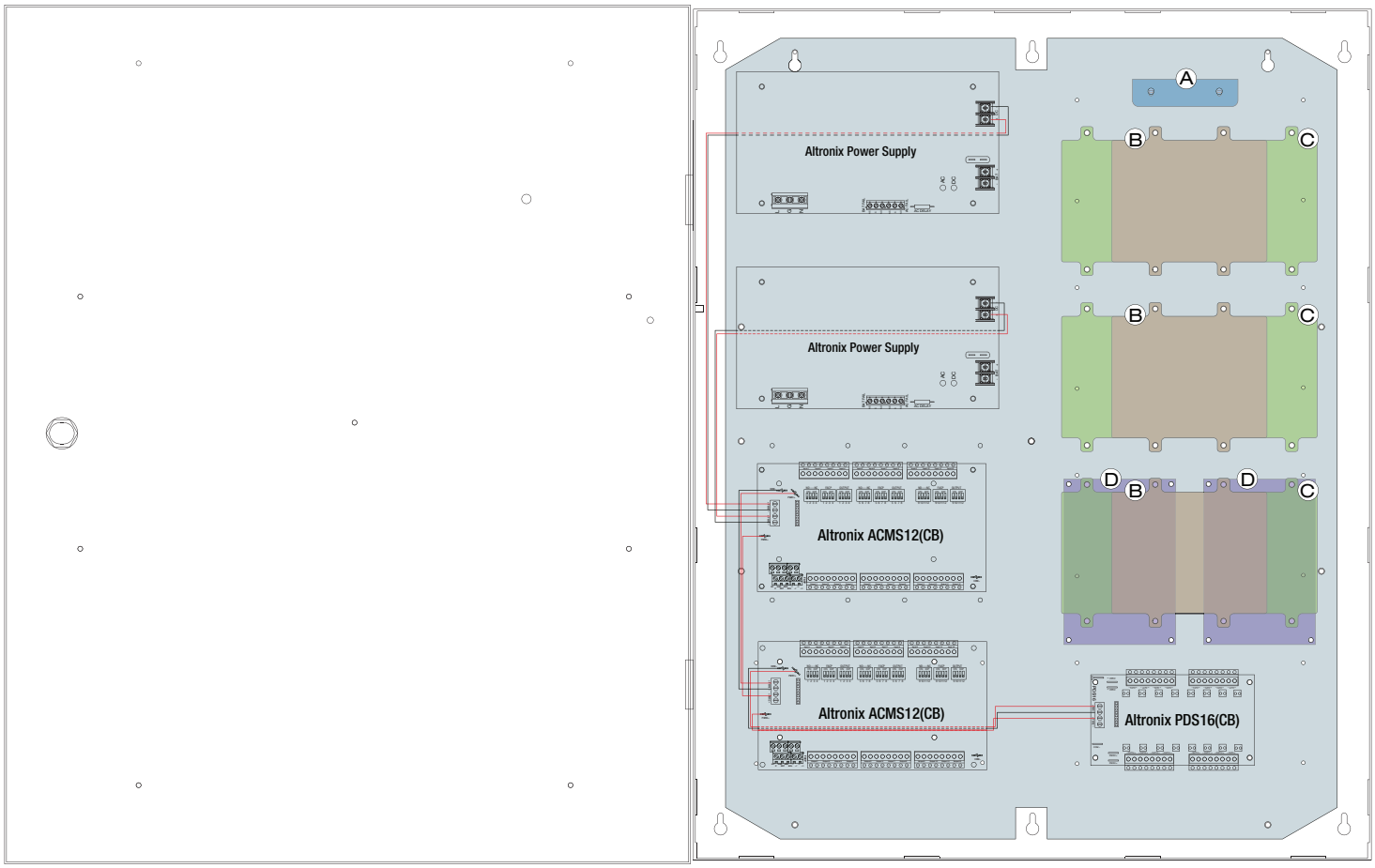
Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath

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



Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

Altronix®

T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath

TROVE™

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.

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

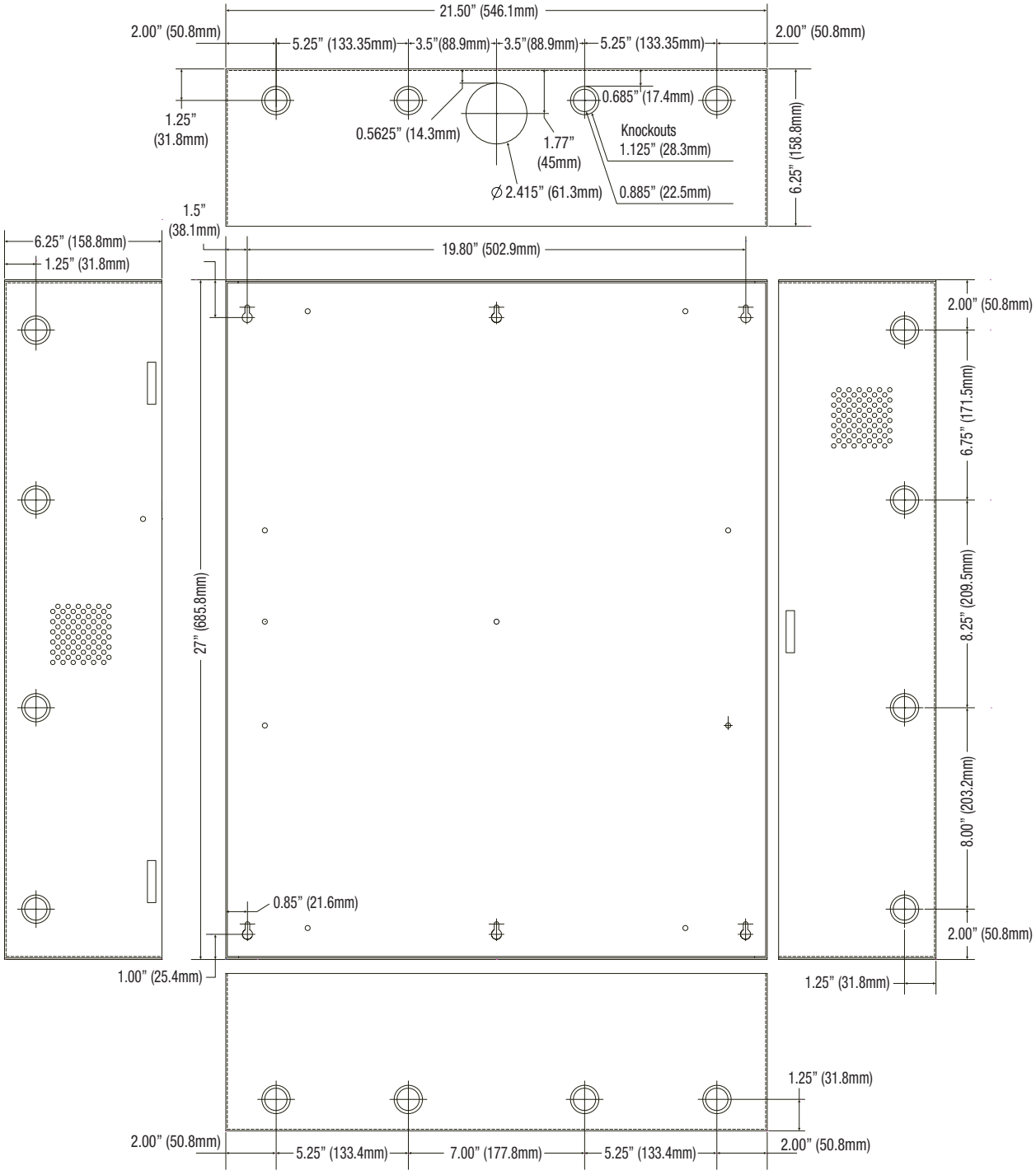
T2PHK7524D (Kit)

Access & Power Integration Solution for Openpath

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)



Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com