

T1PHK14SD (Kit)

Access & Power Integration Solution for Openpath



Altronix T1PHK14SD kit consists of Trove1 enclosure, TC1 Openpath/Altronix backplane with one (1) 12VDC 4A or 24VDC @ 3A power supply/charger, one (1) PTC access power controller, one dual input power distribution module and one (1) voltage regulator. This kit also accommodates up to one (1) Openpath Core, Elevator Board, 4-Port or 8-Port modules for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1PHK14S

openpath boards sold separately



Key Features

- 12VDC or 24VDC power supply/charger.
- Accommodates up to one (1) Openpath OP-ACC, OP16EM, and one (1) OP-EX-4E or OP-X-8E modules.
- Convenient knockout configuration:
 - One (1) double knockout
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit).
 - Nine (9) 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
 - Supervision (*cont'd*)
 - Low Battery and Battery Presence
- 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.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Lifetime Warranty*.

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

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.

Specifications

Power Supply (AL400ULXB2):

Input

Voltage	115VAC, 60Hz, 3.5A max
Fusing	5A / 250V

Output

Voltage	12VDC or 24VDC selectable
Current	4A @ 12VDC or 3A @ 24VDC continuous max
Other	Oversvoltage protection. Filtered and regulated

Battery Backup

Capacity	7AH / 12VDC (Up to 2 within enclosure) 40 AH / 65 AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
Failover	Upon AC loss, instantaneous.

Supervision

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

Indicators (LED)

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

Dual Input Power Distribution Module (PDS8CB)

Input

Voltage	12VDC from VR6 and 24VDC from AL400ULXB2.
Input PTC	10A.

Outputs

Voltage	12VDC and/or 24VDC.
Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2.	
Individual outputs may be set to OFF position for servicing.	

Outputs Ratings

Fuses	3A/32V.
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Indicators (LED)

DC Output	Eight (8) individual output LEDs.
Green:	12VDC
Red:	24VDC.

Voltage Regulator (VR6):

Input

Voltage	24VDC from AL400ULXB2.
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Output

Voltage	12VDC.
Current	6A continuous.

Voltage Regulator (VR6) (cont'd):

Other	Surge suppression.
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Indicators (LED)

Input	24VDC is present.
Output	Powered.

Access Power Controller (ACM4CB):

Input

Voltage	24VDC from AL400ULXB2.
Input Fuse	5A/250V.

Outputs

Voltage	24VDC.
Four (4) independently controlled 2.5A outputs:	
a) Four (4) Fail-Safe and/or Fail-Secure power outputs.	
Four (4) auxiliary power outputs (unswitched).	

Outputs Ratings

PTCs	2.5A.
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Indicators (LED)

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

T1PHK14SD 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.
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Physical and Environmental

Dimensions (H x W x D)

Enclosure:	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping:	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Product	15.5 lb. (7.0 kg).
Shipping	19.5 lb. (8.9 kg).

Temperature

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

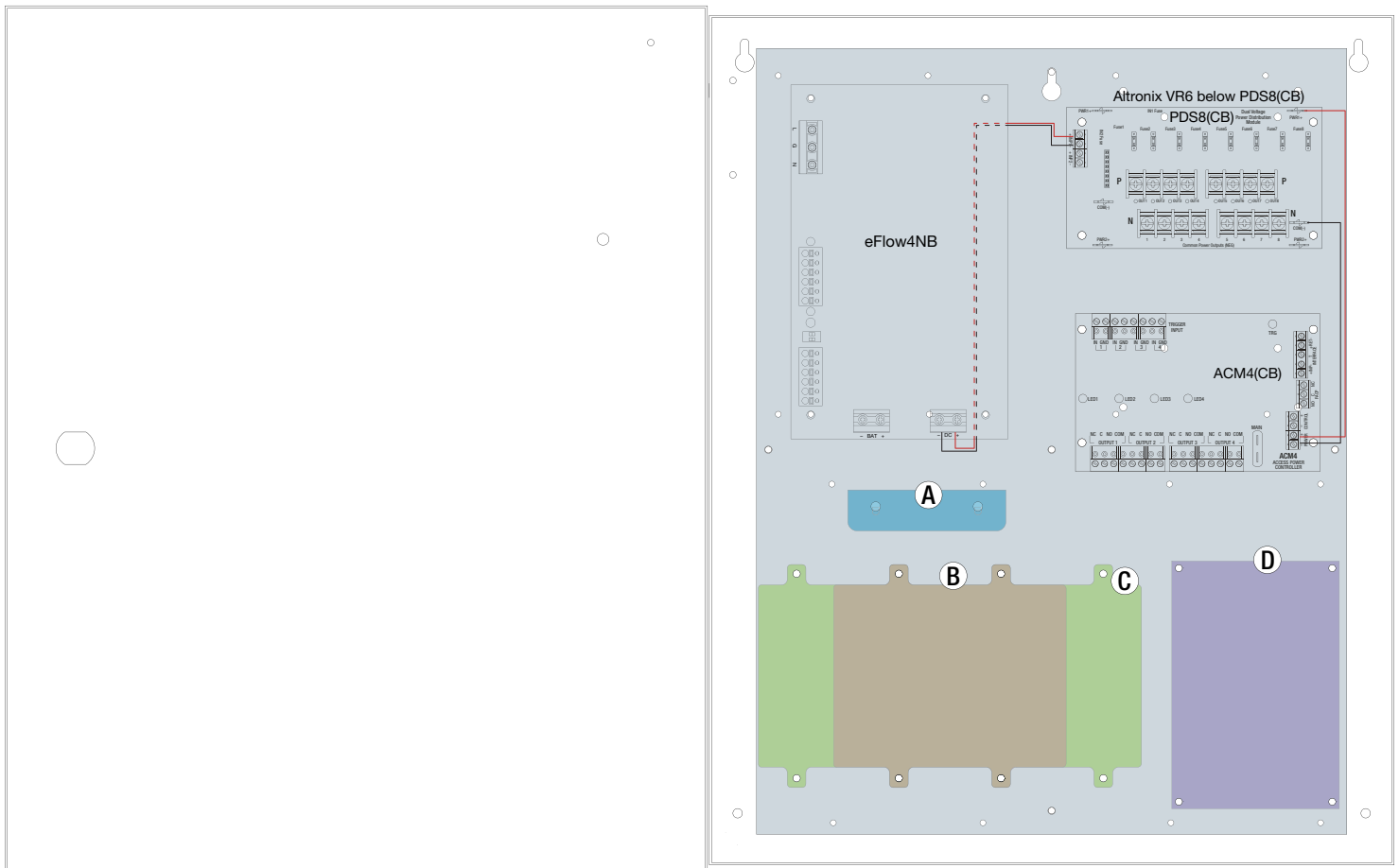
Relative Humidity	85% +/-5%.
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BTU/Hr (approx.):

12VDC:	40 BTU/Hr.
24VDC:	77 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)



Dimensions and Drawing

Dimensions (H x W x D approximate)
18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118mm)

