

Altronix T1PHK1F4S 4 Door Kit with Fused Outputs **Installation Guide**

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Altronix T1PHK1F4S 4 Door Kit with Fused Outputs



Access & Power Integration T1PHK1F4S **4 Door Kit with Fused Outputs** Fully assembled kit includes:

- Trove1 enclosure with TC1 Altronix/Open path backplane
- One (1) eFlow4NB Power Supply/Charger
- One (1) ACM4 Fused Access Power Controller
- One (1) VR6 Voltage Regulator
- One (1) PDS8 Dual Input/ Output Fused Power Distribution Module

T1PHK3F8

8 Door Kit with Fused Outputs Fully assembled kit includes:

- Trove1 enclosure with TC1 Altronix/Open path backplane
- One (1) eFlow6NB Power Supply/Charger
- One (1) ACM8 Fused Access Control Module

T2PHK33F16

16 Door Kit with Fused Outputs Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Open path backplane
- Two (2) eFlow6NB Power Supply/Chargers
- Two (2) ACM8 Fused Access Control Modules

T2PHK77F24

24 Door Kit with Fused Outputs Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Open path backplane
- Two (2) eFlow104NB Power Supply/Chargers
- Three (3) ACM8 Fused Access Control Modules

T1PHK1F4SD

4 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove1 enclosure with TC1 Altronix/Open path backplane
- One (1) eFlow4NB Power Supply/Charger
- One (1) ACM4CB PTC Access Power Controller
- One (1) VR6 Voltage Regulator
- One (1) PDS8CB Dual Input/ Output PTC Power Distribution Module

T1PHK3F8D

8 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove1 enclosure with TC1 Altronix/Open path backplane
- One (1) eFlow6NB Power Supply/Charger
- One (1) ACM8CB PTC Access Control Module

T2PHK33F16D 16 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Open path backplane
- Two (2) eFlow6NB Power Supply/Chargers
- Two (2) ACM8CB PTC Access Control Modules

T2PHK77F24D 24 Door Kit with PTC Outputs Fully assembled kit includes:

- Trove2 enclosure with TCV2 Altronix/Open path backplane
- Two (2) eFlow104NB Power Supply/Chargers
- Three (3) ACM8CB PTC Access Control Modules

All components of these Trove kits are UL Listed sub-assemblies. Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide

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Rev. TPHK_080921		
Installing Company:	Service Rep. Name:	
Address:		Phone #:

Overview:

Altronix Trove Open path kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of Open path boards for up to twenty four (24) doors in a single enclosure.

Configuration Chart:

				Outpu age												
Po we r S	Po we r S	12 0V	Maximum Supply Cu rrent for M ain and A	Powe Suppl [DC]	F ail -S af e/ F ail	A d di ti o n al	A C M 4/ A C	A C M 4	A C M 4 C	A C M 8(A C M 8	A C M 8 C	P D S	P D S 8	P D S 8 0	P D S 8
up ply Bo ar d I np	up ply Bo ar d Ba	AC 60 Hz Inp ut	ux. Output s on Powe r Supply b oard, AC M4(CB)/ ACM8(CB		-S ec ur e or Dr	F us e or P T	M 4 C B oa	B oa rd O ut pu	B oa rd O ut	B oa rd In	B oa rd O ut pu	B oa rd O ut	8 B oa rd In pu	B oa rd O ut pu	B B oa rd In	B oa rd O ut pu

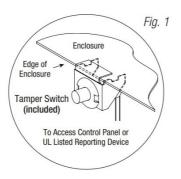
Altronix Model Num ber	ut Fu se Ra tin g	tte ry Fu se Ra tin g	Cu rre nt (A)	Access P ower Cont rollers' or PDS8(CB) outputs	Outp ut R ange (VD C)	Outp ut R ange (VD C)	y F or m "C" O ut pu ts	C Pr ot ec te d O ut p ut s	rd In pu t F us e R ati ng	t F us e R ati ng	pu t P T C R ati ng	pu t F us e R ati ng	t F us e R ati ng	pu t P T C R ati ng	t F us e R ati ng	t F us e R ati ng	pu t P T C R ati ng	t P T C R ati ng	
T1PHK1F4 S			3.5	24VDC @ 3.7A	20.1 7-26 .4	20.2 8-26	4	8	1 0 A/ 32	3 A/ 32 V	_	_	_	_	10 A/ 32 V	3 A/ 32 V	_	_	
T1PHK1F4 SD									V	_	2. 5 A				_	_	9 A	2. 5 A	
T1PHK3F8			3.5	24VDC @ 5.9A	20.1 7- 26.4	20.2 8- 26.4	8	_					2. 5 A/ 25 0 V	_					
T1PHK3F8 D	5A / 25	15 A/ 32							_	_	_	10 A/ 25	_	2. 5 A					
T2PHK33F1 6	OV	V	7.0	24VDC @ 5.9A + 24VDC	20.1 7-26 .4	20.2 8-26 .4	16	_				0 V		V 5 A/ 25 0	_	_	_	_	_
T2PHK33F1 6D				@5.9A	.4	.4						-		2. 5 A					
T2PHK77F2 4	6.3 A/ 25 0V	15 A/ 32 V	9.0	24VDC @ 9.7A + 24VDC @9.7A	20.1 7-26 .4	20.2 8-26 .4	24	_	_	_	_	1 0 A/ 25 0 V	2. 5 A/ 25 0 V	_	_	_	_	_	

T2PHK77F2								2.		
4D							_	5 A		

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

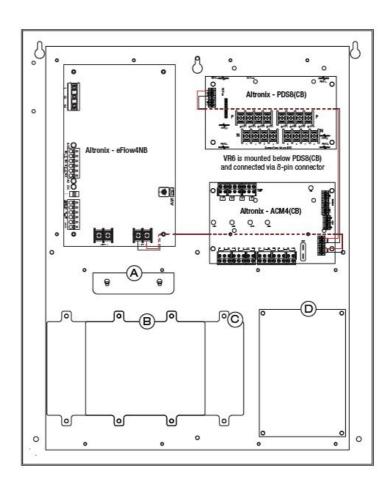
- 1. Remove backplane from enclosure. Do not discard hardware.
- 2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws; level and secure. Mark the position of the lower two/three holes. Remove the enclosure. Drill the lower holes and install the fasteners. Place the enclosure's upper keyholes over the upper screws. Install the lower screws and make sure to tighten all screws.
- 3. Mount included UL Listed tamper switch(as) (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (Fig. 1, pg. 2). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
- 4. Mount Open path boards to backplane, refer to pages 3-6.
- 5. Refer to the fellow Power Supply/Charger Installation Guide (eFlow4NB, eFlow6NB, eFlow104NB) and corresponding Sub-Assembly Installation Guide (ACM4(CB), ACM8(CB), PDS8(CB) and VR6) for further installation instructions.



T1PHK1F4S(D): Configuration of Open path Boards

- 1. Mount appropriate Open path boards into the correct positions by positioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 2, pg. 3).
- 2. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

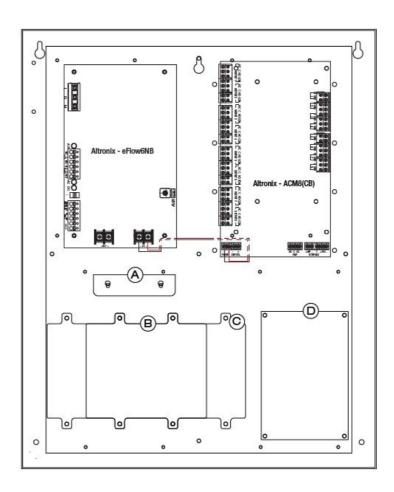
Open path	Mounting Positi on
OP-ACC	A
OP-EX-4E	В
OP-EX-8E	С
OP-16EM	D



T1PHK3F8(D): Configuration of Open path Boards

- 1. Mount appropriate Open path boards into the correct positions by positioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 3, pg. 4).
- 2. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

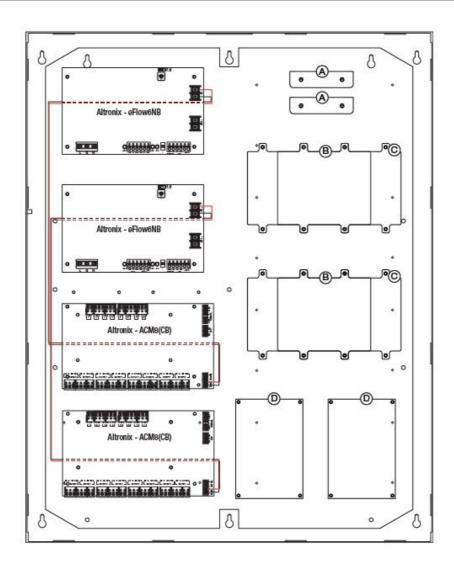
Open path	Mounting Positi on
OP-ACC	А
OP-EX-4E	В
OP-EX-8E	С
OP-16EM	D



T1PHK3F8(D): Configuration of Open path Boards

- 1. Mount appropriate Open path boards into the correct positions by positioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 3, pg. 4).
- 2. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

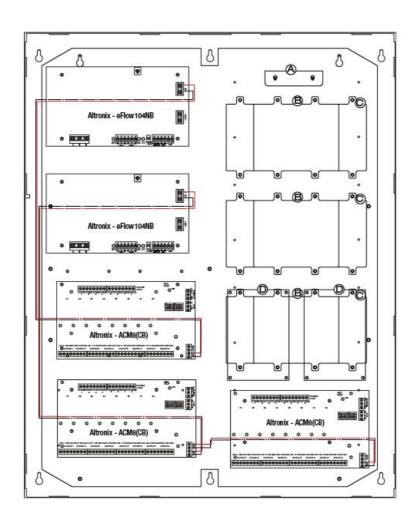
Open path	Mounting Positi on
OP-ACC	А
OP-EX-4E	В
OP-EX-8E	С
OP-16EM	D



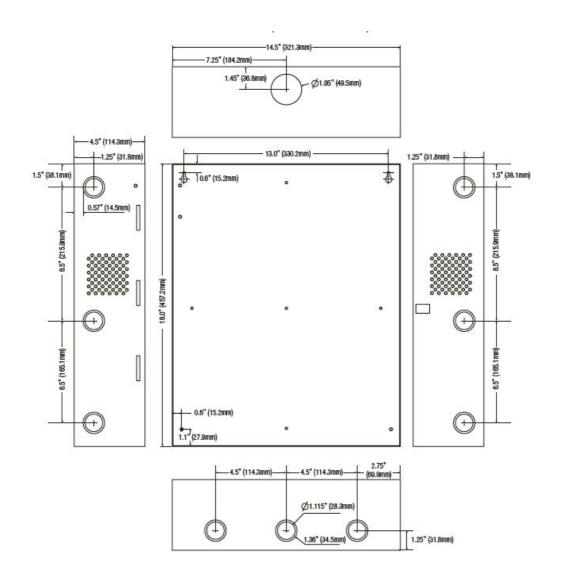
T2PHK33F16(D): Configuration of Open path Boards

- 1. Mount appropriate Open path boards into the correct positions by positioning pre-mounted spacers over appropriate holes on the backplane and depressing down on board to secure spacer to the backplane (Fig. 4, pg. 5).
- 2. Fasten TC2 backplane to Trove2 enclosure utilizing pan head screws (provided).

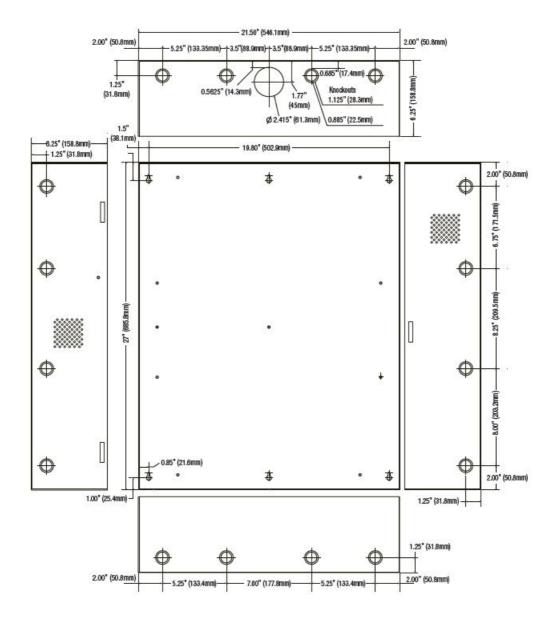
Open path	Mounting Positi on
OP-ACC	Α
OP-EX-4E	В
OP-EX-8E	С
OP-16EM	D



T1PHK1F4S(D) and T1PHK3F8(D) (Trove1) Enclosure Dimensions (H x W x D approximate): $18" \times 14.5" \times 4.625"$ (457mm x 368mm x 118mm)



T2PHK33F16(D) and T2PHK77F24(D) (Trove2) Enclosure Dimensions (H x W x D approximate): 27.25° x 21.5° x 6.5° (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors.140 58th Street, Brooklyn, New York 11220 USA

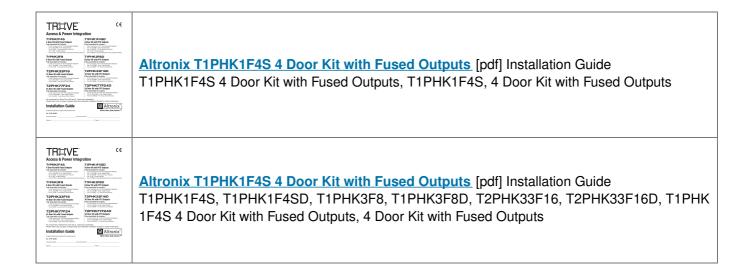
phone: 718-567-8181 fax: 718-567-9056

website: www.altronix.com e-mail: info@altronix.com

Lifetime Warranty

II Trove Open path Kits H09U

Documents / Resources



References

• Altronix Home

Manuals+,