

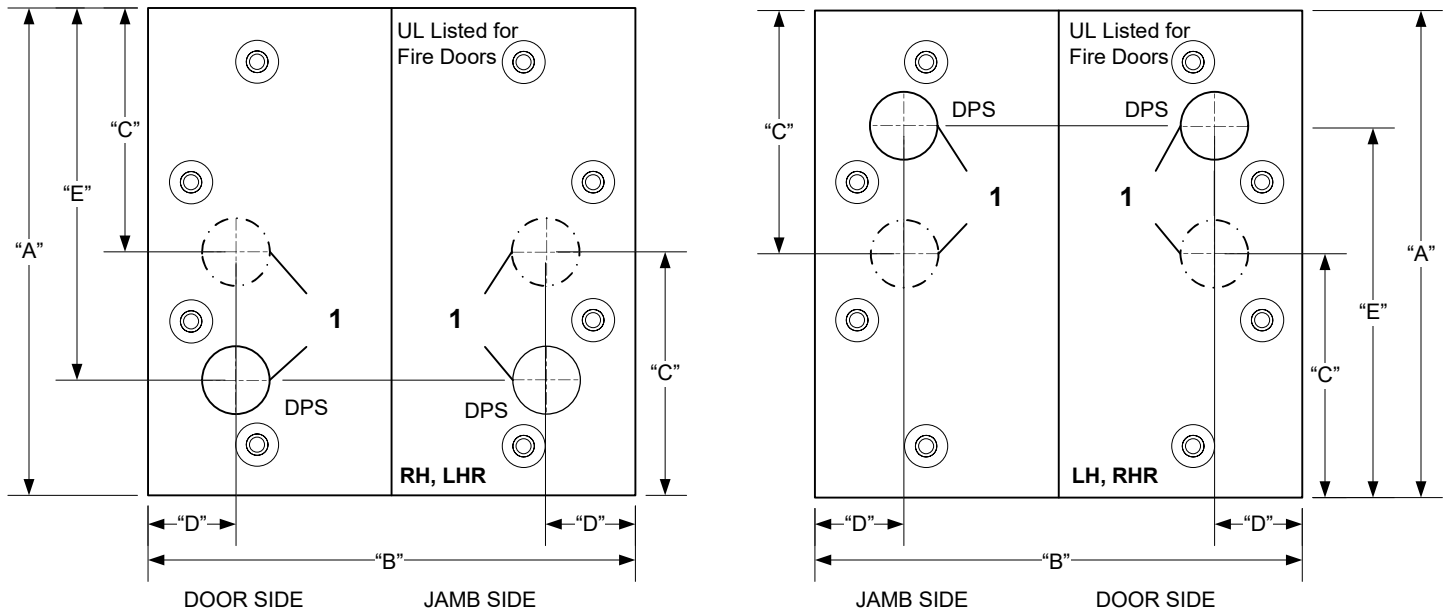


# INSTALLATION INSTRUCTIONS

## PTH SERIES POWER TRANSFER HINGE

**NOT TO SCALE**

Dimensional Reference Only



<sup>1</sup> Drill 1/2" Diameter by 1-1/2" Deep hole for Service loop and Connection

### DIMENSIONAL REFERENCE FOR 5 KNUCKLE STANDARD WEIGHT

Hinge Size	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	"E" Dimension
4" x 4"	4"	4"	2"	↑ 13/16" ↓	N/A
4-1/2" x 4	4-1/2"	4"	2-1/4"		3-7/16"
4-1/2" x 4-1/2"	4-1/2"	4-1/2"	2-1/4"		3-7/16"
5" x 5"	5"	5"	2-1/2"		N/A

**Note:** 4-1/2" x 4-1/2" is standard

A maximum of 1 Power Transfer Hinge shall be installed in a given door assembly. Electric hinges are non-load bearing and must be mounted in the center hinge position only. Do not disassemble hinge. Disassembly voids warranty. Do not force hinge into prep. Binding hinges will shorten life and damage hinge. Do not hang hinge from wires. Damage can occur. After connections are made, slide wire through holes, making sure that wires are not pinched or rubbing on sharp edges.

### SPECIFICATION

PTH-4	(4) Wire Power Transfer Hinge:	24 Volts AC/DC @ 1 A, 26 AWG
PTH-2+4	(6) Wire Power Transfer Hinge:	24 Volts AC/DC @ 1 A, 1 Pair 16 A Inrush, 4 A continuous, 18 AWG 2 Pair 24 Volts AC/DC @ 1 A, 28 AWG
PTH-10	(10) Wire Power Transfer Hinge:	24 Volts AC/DC @ 1 A, 28 AWG

### DPS

YEL: N/C  
GRY: COM  
ORG: N/O

(Door closed position)

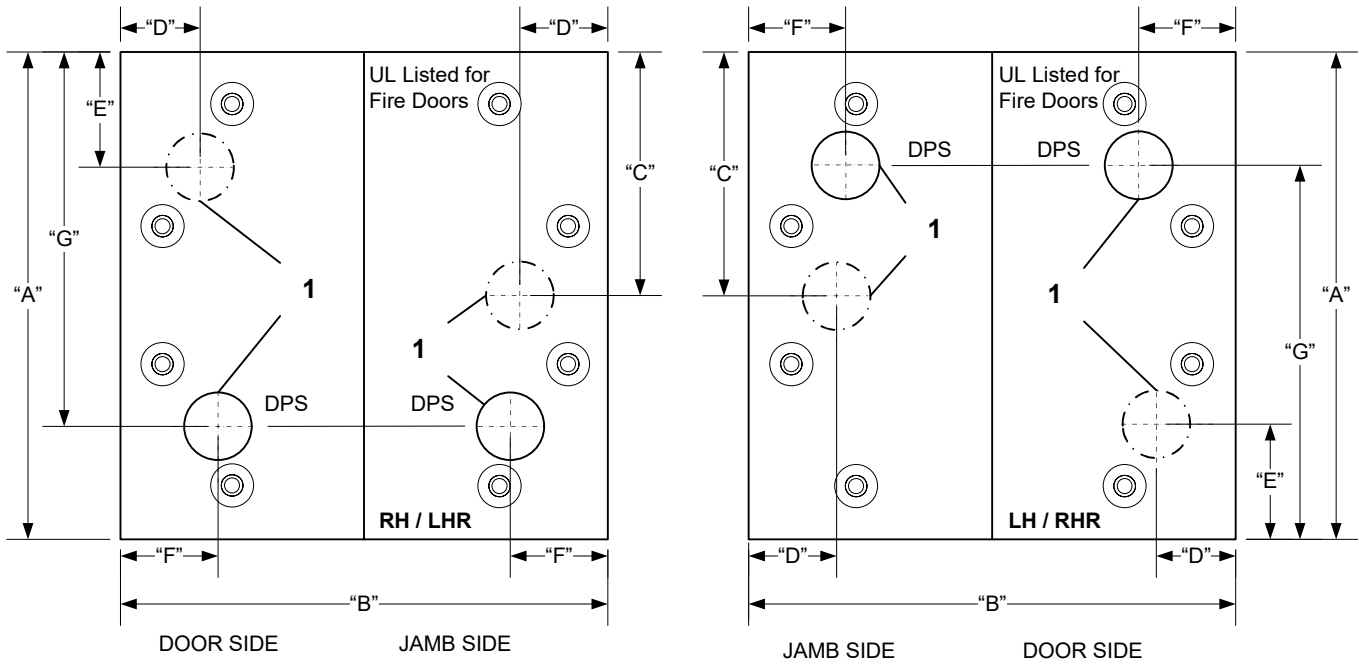
### Switch Rating:

250 mA @ 30 VDC

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email [engineer@sdsecurity.com](mailto:engineer@sdsecurity.com)



## REFERENCE FOR 5 KNUCKLE HEAVY WEIGHT HINGE



<sup>1</sup> Drill 1/2" Diameter by 1-1/2" Deep hole for Service loop and Connection

### DIMENSIONAL 4-1/2" REFERENCE FOR 5 KNUCKLE HEAVY WEIGHT

Hinge Size	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	"E" Dimension
4-1/2" x 4"	↑ 4-1/2" ↓	4"	2-1/4"	5/8"	1"
4-1/2" x 4-1/2"		4-1/2"			
4-1/2" x 5"		5"			
4-1/2" x 6"		6"			

### DIMENSIONAL 5" REFERENCE FOR 5 KNUCKLE HEAVY WEIGHT

Hinge Size	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	"E" Dimension
5" x 4"	5"	4"	2-1/2"	5/8"	1-1/16"
5" x 4-1/2"		4-1/2"			
5" x 5"		5"			
5" x 6"		6"			

### DIMENSIONAL 4-1/2", 5 KNUCKLE HEAVY WEIGHT w/DPS

Hinge Size	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	"E" Dimension	"F" Dimension	"G" Dimension
4-1/2" x 4"	4-1/2"	4"	2-1/4"	5/8"	1"	13/16"	3-7/16"
4-1/2" x 4-1/2"		4-1/2"					
4-1/2" x 5"		5"					
4-1/2" x 6"		6"					

### DIMENSIONAL 5", 5 KNUCKLE HEAVY WEIGHT w/DPS

Hinge Size	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	"E" Dimension	"F" Dimension	"G" Dimension
5" x 4"	5"	4"	2-1/2"	5/8"	1-1/16"	13/16"	3-7/16"
5" x 4-1/2"		4-1/2"					
5" x 5"		5"					
5" x 6"		6"					