

# Instructions for Installing SOSS® #218 and #220 Power Transfer Hinges

All SOSS® Hinges for applications in wood doors are packaged with detailed instructions and paper router guide template. You may also use the SOSS® Wooden Router Guides #218IT or #220IT for the appropriate hinge. (Recommended).

The SOSS® #218PT would be used on an interior wood door of 1-3/4" thickness.

The SOSS® #220PT would be used on an interior wood door 2" or more.

PT1 Hinge is supplied with 9" of wire on both sides. PT4 Hinge is supplied with 4' of wire on one side and 1' on the other. See chart below.

## IMPORTANT

SOSS® POWER TRANSFER HINGES are for use with 4 or 6 wire applications for interior use only.

Prep your doors and frames for SOSS® Invisible Hinges as directed in the attached Instruction Sheet. The SOSS® Power Transfer Hinges must be used in conjunction with SOSS® Invisible Hinges.

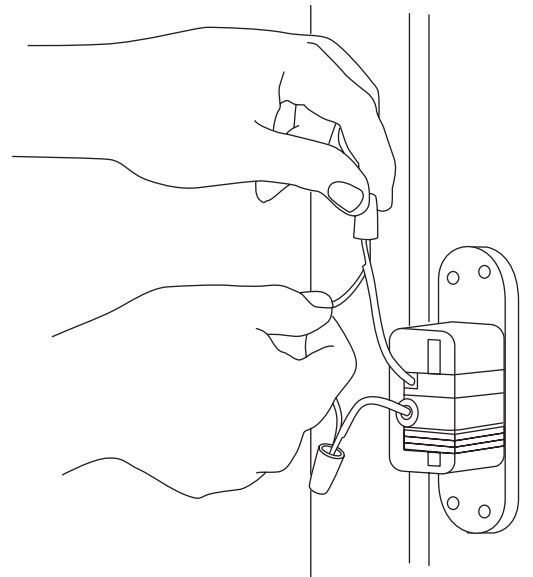
Maximum load for 218PT and 220PT – 35 lbs./16 kg.

**CAUTION:** Do not connect these wires to wires that are larger than 18 AWG gauge.

## SOSS Power Transfer Hinge Amperage Rating

Model	Wire Lengths Per Side	Max. Amps. @ 20VDC
218PT1	9 in. / 9 in.	1.0 Amps.
218PT4	4 ft. / 1 ft.	.4 Amps.
220PT1	9 in. / 9 in.	1.0 Amps.
220PT4	4 ft. / 1 ft.	.4 Amps.

- 1 An access hole for the wires must be drilled from the hinge mortise closest to the middle of the door, depending upon the number of SOSS® Invisible Hinges needed for the application to the access door for the door mechanism.
- 2 Install top and bottom SOSS® Invisible Hinges to support the door on the frame.
- 3 When installing the SOSS® Power Transfer Hinge, follow wiring instructions/diagrams provided by Electronic Device manufacturer.
- 4 It is best to install the SOSS® Power Transfer Hinge while door is in upright, in a vertical position, opened to 90° or more for easier access.
- 5 Extract interior wiring through the prep holes from door and jamb.
- 6 Terminate wire connections with appropriate crimp splices or wire nuts. Note: It is helpful to stagger wire terminations; this allows for easier insertion of wires through prep holes.
- 7 **Do not hang SOSS® Power Transfer Hinge by wires during installation, serious damage could occur.**
- 8 Insulate all ends of unused wires.
- 9 After all wire terminations are completed, carefully slide wires through prep hole making sure that wires are placed so they will not be cut or pinched as hinge is installed.



## IMPORTANT

### Wire Gauge Size: 28 AWG (For both 218PT and 220PT)

- 1 For devices requiring more than 1 AMP, do not use SOSS® Power Transfer Hinge.
- 2 Make sure that same colored wires are connected properly on both sides of hinge.
- 3 Maximum total current for a four wire hinge is two time the maximum current shown in the electrical ratings chart: 2 wires current in., 2 wires current out of door.

**CAUTION:** Do not connect these wires to wires that are larger than 18 AWG gauge wires.

**SOSS®**  
Door Hardware

Universal Industrial Products, Inc.

One Coreway Drive, Pioneer, OH, USA 43554-0628  
Phone: (419) 737-2324 (800) 922-6957, FAX: (419) 737-2130  
Email: hinges@sooss.com Internet: www.soss.com