

# JUNIOR SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mercury activated, wide-angle pump switch provides automatic control of smaller pumps in non-potable water and sewage applications.

Although this switch is not sensitive to rotation, it is affected by turbulence and should be mounted in a non-turbulent location.

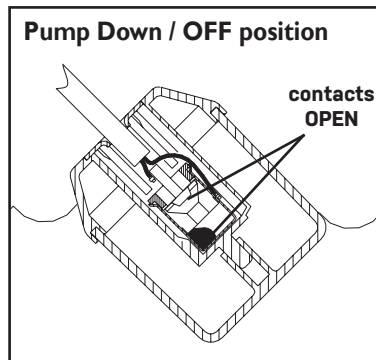
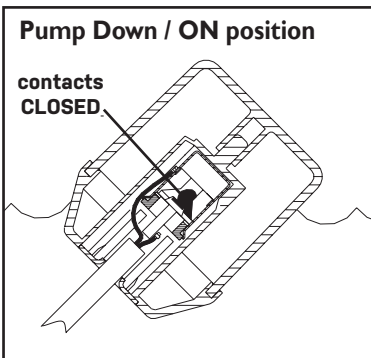
The **Junior Super Single**® pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.



U.S. Patent Nos. 4,529,854 & 4,572,934

## FEATURES

- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of 6.5 to 19 inches (16.5 to 48 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Five-year limited warranty.



## OPTIONS

**This switch is available:**

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

## SPECIFICATIONS

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

**MERCURY SWITCH:** mercury-to-metal contacts, hermetically sealed in a steel capsule

### **ELECTRICAL:**

#### **120 VAC 50/60Hz Single Phase:**

**Maximum Pump Running Current:**

13 amps

**Maximum Pump Starting Current:**

40 amps

**Recommended Pump HP:**

1/2 HP or less

#### **230 VAC 50/60Hz Single Phase:**

**Maximum Pump Running Current:**

8 amps

**Maximum Pump Starting Current:**

20 amps

**Recommended Pump HP:**

1 HP or less

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**SEE REVERSE SIDE FOR ORDERING INFORMATION.**



**SJE RHOMBUS**

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# JUNIOR SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

## ORDERING INFORMATION

PUMP DOWN ↓		PUMP UP ↑		List Price	Shipping Weight
Part#	Description	Part#	Description		
1001896	10JSD1WP	1001918	10JSU1WP	\$85.64	1.45 lbs.
1001914	10JSD2WP	1001921	10JSU2WP	\$88.42	1.48 lbs.
1001916	10JSDWOP	1001923	10JSUWOP	\$75.68	1.37 lbs.
1001817	15JSD1WP	1001930	15JSU1WP	\$89.89	1.77 lbs.
1001926	15JSD2WP	1001932	15JSU2WP	\$92.87	1.81 lbs.
1001928	15JSDWOP	1001934	15JSUWOP	\$80.08	1.68 lbs.
1001898	20JSD1WP	1001941	20JSU1WP	\$94.34	2.11 lbs.
1001937	20JSD2WP	1001943	20JSU2WP	\$97.30	2.14 lbs.
1001939	20JSDWOP	1001945	20JSUWOP	\$84.56	2.03 lbs.
1001900	30JSD1WP	1001952	30JSU1WP	\$103.96	2.82 lbs.
1001948	30JSD2WP	1001954	30JSU2WP	\$106.75	2.86 lbs.
1001950	30JSDWOP	1001956	30JSUWOP	\$94.01	2.74 lbs.

D = Pump Down U = Pump Up 1 = 120 VAC 2 = 230 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

## OPTIONS

**MOUNTING CLAMP**  
is standard - deduct optional

**PACKAGING**  
Boxed - standard  
Bagged - optional Bulk - optional

**ADDITIONAL CABLE**  
Longer cable lengths available. Please call for details.

UL Recognized for Water & Sewage



LR54245



## SPECIFICATIONS

**PUMPING RANGE:** 6.5 to 19 inches (16.5 cm to 48 cm)

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 2.81 inch diameter x 3.42 inch long (7.14cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

**MERCURY SWITCH:** mercury-to-metal contacts, hermetically sealed in a steel capsule

### ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	13 amps	40 amps	1/2 HP or less
230 VAC	8 amps	20 amps	1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. This switch is not designed to be directly wired to relays or motor contactors.

## OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying.

**PUMP UP** is normally closed contacts for filling.

### DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



**SJE RHOMBUS.**

www.sjerrhombus.com  
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Product offering and pricing are subject to change without notice.

Please visit [www.sjerrhombus.com](http://www.sjerrhombus.com) for the most current information.