

# 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.



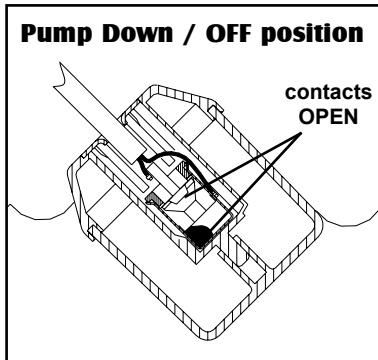
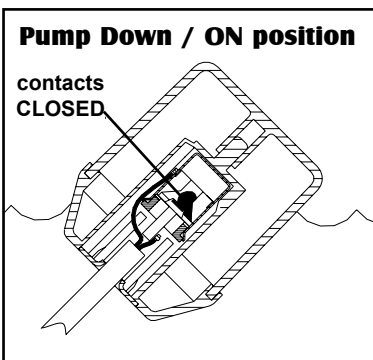
U.S. Patent Nos. 4,529,854 & 4,572,934

## 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.



Member of  
**Hydraulic**  
ELECTRIC



## 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.

SEE BACKSIDE FOR ORDERING INFORMATION.  
SEE PRICE BOOK FOR LIST PRICE.

**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 ⬆️		Shipping Weight
Part #	Description	Part #	Description	
1001896	10JSD1WP	1001918	10JSU1WP	1.45 lbs.
1001914	10JSD2WP	1001921	10JSU2WP	1.48 lbs.
1001916	10JSDWOP	1001923	10JSUWOP	1.37lbs.
1001817	15JSD1WP	1001930	15JSU1WP	1.77 lbs.
1001926	15JSD2WP	1001932	15JSU2WP	1.81 lbs.
1001928	15JSDWOP	1001934	15JSUWOP	1.68 lbs.
1001898	20JSD1WP	1001941	20JSU1WP	2.11 lbs.
1001937	20JSD2WP	1001943	20JSU2WP	2.14 lbs.
1001939	20JSDWOP	1001945	20JSUWOP	2.03 lbs.
1001900	30JSD1WP	1001952	30JSU1WP	2.82 lbs.
1001948	30JSD2WP	1001954	30JSU2WP	2.86 lbs.
1001950	30JSDWOP	1001956	30JSUWOP	2.74 lbs.

## 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



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).

SEE PRICE BOOK FOR LIST PRICE.

## 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.



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Call or fax your order!

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Product offering and pricing are subject to change without notice.

Please visit www.sjrhombus.com for the most current information.

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