

# 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.

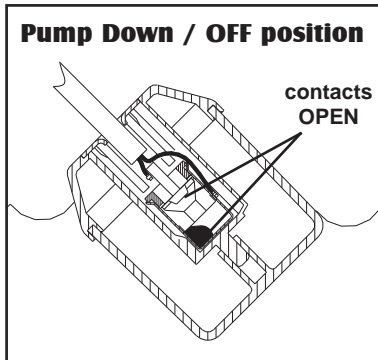
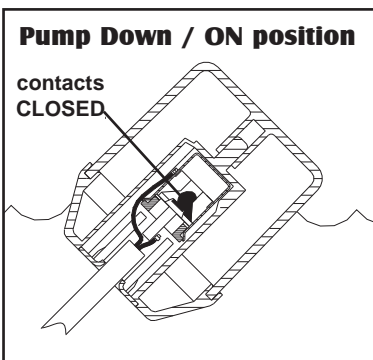
The **Junior Super Single**® pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.



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.

SEE BACKSIDE 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	\$65.70	1.45 lbs.
1001914	10JSD2WP	1001921	10JSU2WP	\$67.94	1.48 lbs.
1001916	10JSDWOP	1001923	10JSUWOP	\$57.64	1.37 lbs.
1001817	15JSD1WP	1001930	15JSU1WP	\$69.12	1.77 lbs.
1001926	15JSD2WP	1001932	15JSU2WP	\$71.53	1.81 lbs.
1001928	15JSDWOP	1001934	15JSUWOP	\$61.21	1.68 lbs.
1001898	20JSD1WP	1001941	20JSU1WP	\$72.72	2.11 lbs.
1001937	20JSD2WP	1001943	20JSU2WP	\$75.10	2.14 lbs.
1001939	20JSDWOP	1001945	20JSUWOP	\$64.81	2.03 lbs.
1001900	30JSD1WP	1001952	30JSU1WP	\$80.48	2.82 lbs.
1001948	30JSD2WP	1001954	30JSU2WP	\$82.74	2.86 lbs.
1001950	30JSDWOP	1001956	30JSUWOP	\$72.44	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).

## 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®

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