

# 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.

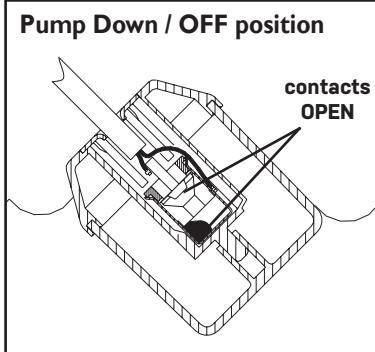
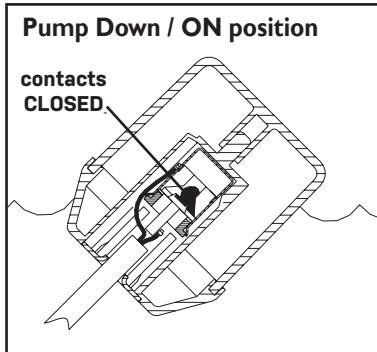
The **Junior Super Single®** pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.



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.



**SJE RHOMBUS**

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[www.sjerhombus.com](http://www.sjerhombus.com)

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.**

**SEE PRICE BOOK FOR LIST PRICE.**

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

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 (7.14 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:

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

## OPTIONS

**MOUNTING CLAMP** is standard - deduct optional

### PACKAGING

**Boxed** - standard  
**Bagged** - optional

**Bulk** - optional; must be ordered in master carton quantities.

Please contact customer service for details/pricing.

### ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

UL Recognized for Water & Sewage



## 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.

**Call or fax your order!**  
**I-888-DIAL-SJE (1-888-342-5753) • Fax 218-847-4617**

Product offering and pricing are subject to change without notice.

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



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