

# SUPER SINGLE® Pump Switch

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

This mercury activated, wide-angle pump switch provides automatic control of pumps in non-potable water and sewage applications. This switch is not sensitive to rotation or turbulence.

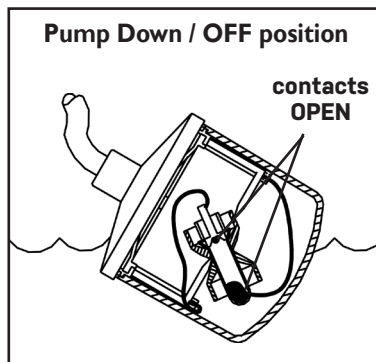
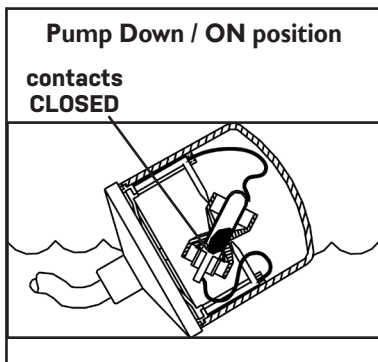
The **Super Single**® pump switch is suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.



U.S. Patent No. 4,302,641

## FEATURES

- Patented tumbler assembly gives positive pump on or pump off.
- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.
- Adjustable pumping range of 6.5 to 13.5 inches (176.5 to 34 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 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 3.38 inch diameter x 4.25 inch long (8.58 x 10.80 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-mercury contacts, hermetically sealed in a steel capsule

### **ELECTRICAL:**

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

**Maximum Pump Running Current:**

15 amps

**Maximum Pump Starting Current:**

55 amps

**Recommended Pump HP:**

1 HP or less

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

**Maximum Pump Running Current:**

12 amps

**Maximum Pump Starting Current:**

35 amps

**Recommended Pump HP:**

2 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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# SUPER SINGLE® Pump Switch

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

## ORDERING INFORMATION

PUMP DOWN ⬇️		PUMP UP ⬆️		List Price	Shipping Weight
Part#	Description	Part#	Description		
1001958	10SSD1WP	1001965	10SSU1WP	\$148.55	1.75 lbs.
1001961	10SSD2WP	1001967	10SSU2WP	\$151.58	1.76 lbs.
1001963	10SSDWOP	1001969	10SSUWOP	\$138.58	1.65 lbs.
1001971	15SSD1WP	1001977	15SSU1WP	\$153.46	2.15 lbs.
1001973	15SSD2WP	1001979	15SSU2WP	\$156.26	2.18 lbs.
1001975	15SSDWOP	1001981	15SSUWOP	\$143.27	2.08 lbs.
1001983	20SSD1WP	1001989	20SSU1WP	\$158.02	2.67 lbs.
1001985	20SSD2WP	1001991	20SSU2WP	\$160.81	2.71 lbs.
1001987	20SSDWOP	1001993	20SSUWOP	\$147.81	2.56 lbs.
1001988	30SSD1WP	1002000	30SSU1WP	\$168.54	3.35 lbs.
1001996	30SSD2WP	1002002	30SSU2WP	\$171.55	3.39 lbs.
1001998	30SSDWOP	1002004	30SSUWOP	\$158.53	3.27 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.



## SPECIFICATIONS

**PUMPING RANGE:** 6.5 to 13.5 inches (16.5 cm to 34 cm)

**CABLE:** flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 3.38 inch diameter x 4.25 inch long (8.58 cm x 10.80 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-mercury 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	15 amps	55 amps	1 HP or less
230 VAC	12 amps	35 amps	2 HP or less

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection. Suitable for use with intrinsically safe circuits.

Contact SJE Rhombus regarding specific intrinsically safe applications.

## 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.sjrhombus.com  
customer.service@sjinc.com

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

Product offering and pricing are subject to change without notice.  
Please visit [www.sjrhombus.com](http://www.sjrhombus.com) for the most current information.