

# 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.



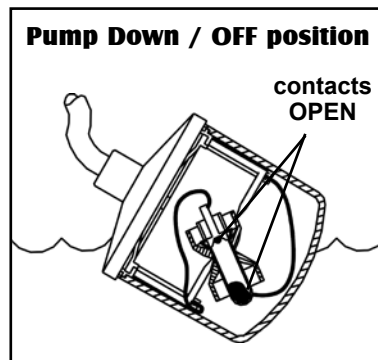
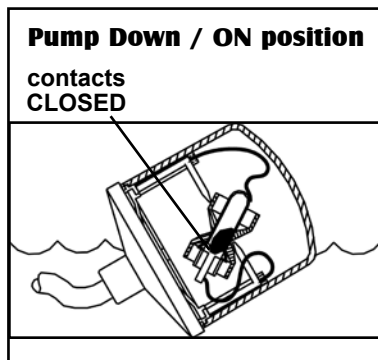
U.S. Patent No. 4,302,641

## 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.



Member of  
**Hydraulic**



## 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.

SEE BACKSIDE 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	\$116.48	1.75 lbs.
1001961	10SSD2WP	1001967	10SSU2WP	\$118.93	1.76 lbs.
1001963	10SSDWOP	1001969	10SSUWOP	\$108.42	1.65 lbs.
1001971	15SSD1WP	1001977	15SSU1WP	\$120.45	2.15 lbs.
1001973	15SSD2WP	1001979	15SSU2WP	\$122.72	2.18 lbs.
1001975	15SSDWOP	1001981	15SSUWOP	\$112.22	2.08 lbs.
1001983	20SSD1WP	1001989	20SSU1WP	\$124.12	2.67 lbs.
1001985	20SSD2WP	1001991	20SSU2WP	\$126.38	2.71 lbs.
1001987	20SSDWOP	1001993	20SSUWOP	\$115.89	2.56 lbs.
1001988	30SSD1WP	1002000	30SSU1WP	\$132.62	3.35 lbs.
1001996	30SSD2WP	1002002	30SSU2WP	\$135.06	3.39 lbs.
1001998	30SSDWOP	1002004	30SSUWOP	\$124.55	3.27 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



LR54245

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 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.



www.sjerhombus.com

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

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