

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.

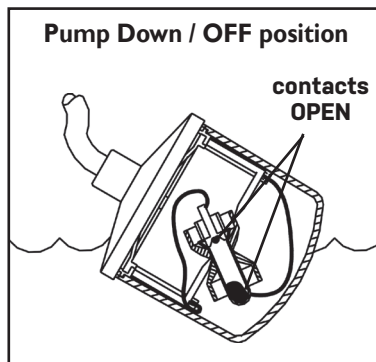
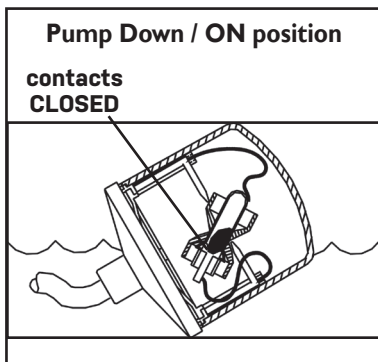
The **Super Single**® pump switch is suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.



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.



SJE RHOMBUS

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SEE REVERSE SIDE FOR ORDERING INFORMATION.

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 | \$138.83 | 1.75 lbs. |
| 1001961 | 10SSD2WP | 1001967 | 10SSU2WP | \$141.66 | 1.76 lbs. |
| 1001963 | 10SSDWOP | 1001969 | 10SSUWOP | \$129.51 | 1.65 lbs. |
| 1001971 | 15SSD1WP | 1001977 | 15SSU1WP | \$143.42 | 2.15 lbs. |
| 1001973 | 15SSD2WP | 1001979 | 15SSU2WP | \$146.04 | 2.18 lbs. |
| 1001975 | 15SSDWOP | 1001981 | 15SSUWOP | \$133.90 | 2.08 lbs. |
| 1001983 | 20SSD1WP | 1001989 | 20SSU1WP | \$147.68 | 2.67 lbs. |
| 1001985 | 20SSD2WP | 1001991 | 20SSU2WP | \$150.29 | 2.71 lbs. |
| 1001987 | 20SSDWOP | 1001993 | 20SSUWOP | \$138.14 | 2.56 lbs. |
| 1001988 | 30SSD1WP | 1002000 | 30SSU1WP | \$157.51 | 3.35 lbs. |
| 1001996 | 30SSD2WP | 1002002 | 30SSU2WP | \$160.33 | 3.39 lbs. |
| 1001998 | 30SSDWOP | 1002004 | 30SSUWOP | \$148.16 | 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.sjerrhombus.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.sjerrhombus.com for the most current information.