

# DOUBLE FLOAT® 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. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The **Double Float**® pump switch consists of two floats and a splice tube. Each float contains a heavy-duty mercury switch. The splice tube contains a holding relay which enables the floats to function in series.

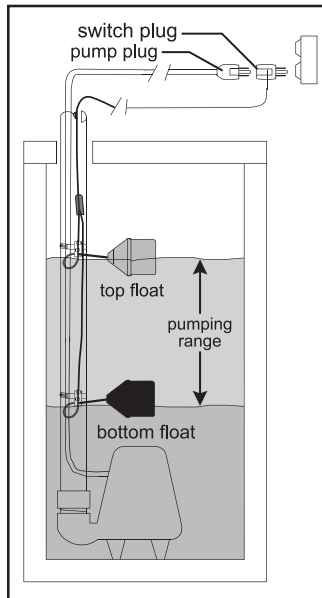
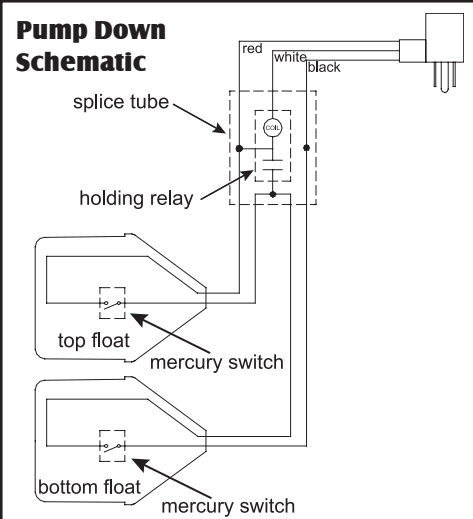
The holding relay eliminates pump chatter in turbulent conditions allowing the **Double Float**® pump switch to operate relay control panels for larger pump applications.



Patent Pending

## FEATURES

- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.
- Adjustable pumping range of 1.75 to 48 inches (4.45 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available.
- Includes standard mounting clamps and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-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 (120 VAC units can only be used with 120 VAC applications within specified amp ratings. 230 VAC units can only be used with 230 VAC applications within specified amp ratings).
- in standard cable lengths of 15, 20, or 30 feet and 5 or 10 meters (longer lengths available).

## SPECIFICATIONS

**Cable attached to float housing:** flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**Cable above splice:** flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic

**FLOATS:** 3.38 inch diameter x 4.55 inch long (8.58 x 11.56 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**  
CONTROLS

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: [sje@sjerhombus.com](mailto:sje@sjerhombus.com)

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

Double Float® pump switch is a registered trademark of SJE-Rhombus® Controls.