

# SJE SIGNALMASTER® SPDT Control Switch

**Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.**

This narrow-angle sensing device is used to accurately monitor liquid levels in:

- potable water
- water
- sewage applications

The SJE SignalMaster® SPDT control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

## When wired as Normally Open (high level)

The control switch turns on (closes) when the float tips slightly **above** horizontal signaling a high level, and turns off (opens) when the float drops slightly below horizontal.

## When wired as Normally Closed (low level)

The control switch turns on (closes) when the float tips slightly **below** horizontal signaling a low level, and turns off (opens) when the float tips slightly above horizontal.



## FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Can be wired to work in either normally open or normally closed applications (**Single Pole, Double Throw**).
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Not sensitive to rotation.
- Control differential of 1.5 inches (4 cm) above or below horizontal.
- UL Listed for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



## OPTIONS

**This switch is available:**

- CE certified switch available upon request
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:

**Mounting Clamp:** for applications where the switch can be attached to a discharge pipe or similar mounting device.

**Externally Weighted:** for applications where the switch can be suspended from above.

## SPECIFICATIONS

**CABLE:** flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 psi (90 kPa)

**ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz

**NOTE:** This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads



PO Box 1708, Detroit Lakes, MN 56502  
1-888-DIAL-SJE • 1-218-847-1317  
1-218-847-4617 Fax  
email: sje@sjerhombus.com  
[www.sjerhombus.com](http://www.sjerhombus.com)