

# 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 4 cm (1.5 inches) above or below horizontal.
- UL Listed for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



## SPECIFICATIONS

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

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

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

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

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

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

## OPTIONS

**This switch is available:**

- CE Compliant units available upon request.
- in standard cable lengths of 3, 5, 6 or 10 meters and 10, 15, 20, or 30 feet (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.

**SJE**  
**Rhombus**  
CONTROLS

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