

# SENSOR FLOAT® Control Switch

**Mercury-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 sewage and non-potable water applications. The Sensor Float® control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact SJE-Rhombus regarding specific intrinsically safe applications.

## Normally Open Model (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.

## Normally Closed Model (low level)

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



## FEATURES

- Suitable for use with intrinsically safe circuits.
- Not sensitive to rotation.
- Control differential of .5 inches (1 cm) above or below horizontal.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



## OPTIONS

### This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters.
- with three 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.

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

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

## SPECIFICATIONS

**CABLE:** flexible 18 gauge, 2 conductor (UL,CSA) SJOW, water-resistant (CPE) jacket

**FLOAT:** 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high-impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

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

**MERCURY TILT SWITCH:** single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

**ELECTRICAL:** 5 amp, 120/230 VAC, 50/60 Hz

**SJE**  
**Rhombus**  
CONTROLS

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