

# 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 tips 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 1 cm (.5 inches) above or below horizontal.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



## SPECIFICATIONS

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

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

**MAXIMUM WATER DEPTH:** 9 meters (30 feet), 90 kPa (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:** 120/230 VAC, 50/60 Hz, 5 amps

## OPTIONS

This switch is available:

- CE Compliant units available upon request.
- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 3, 5, 6 or 10 meters and 10, 15, 20, or 30 feet.
- 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.

**SJE**  
**Rhombus**  
CONTROLS

PO Box 1708, Detroit Lakes, MN 56502  
1-218-847-1317

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

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

**RB** Ross Brown Sales Pty Ltd

ABN 28 000 690 362  
Phone: 612 9899 2744 Fax: 612 9899 4233  
Email: [sales@rossbrownsales.com.au](mailto:sales@rossbrownsales.com.au)  
Web: [www.rossbrownsales.com.au](http://www.rossbrownsales.com.au)