The Sensor Float® mercury-activated, narrow-angle control switch is designed to accurately monitor liquid levels and activate control pump control panels and alarms in:

- non-potable water applications
- sewage 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 switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

**Normally Closed Model (low level)**
The control switch turns on (closes) when the switch drops slightly **below** horizontal signaling a low level, and turns off (opens) when the switch 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

### 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 (longer lengths available)
- 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

UL Listed for Water & Sewage
SENSOR FLOAT® CONTROL SWITCH - Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

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<th>Part #</th>
<th>Description</th>
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*This item is an SJE Rhombus Quick Ship product which normally ships within 1 business day from receipt of order at no additional charge.

PC = Pipe Clamp  WI = Weighted Internally  WE = Weighted Externally  NO = Normally Open  NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

PACKAGING: Bagged - Standard

ADDITIONAL CABLE: Longer cable lengths available.

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 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

NOTE: Suitable for use with intrinsically safe circuits.

Contact SJE Rhombus regarding specific intrinsically safe applications.

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION
The control switch closes (turns on) when the float tips slightly above horizontal signaling a high level, and opens (turns off) when the float drops slightly below normal.

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