SENSOR FLOAT® MINI 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 confined sewage and non-potable water applications. The Sensor Float® Mini control switch is not sensitive to rotation.

**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.

Contact SJE Rhombus regarding intrinsically safe applications.

### FEATURES
- Designed for use in confined spaces.
- 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.
- Five-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 (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, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

**FLOAT:** 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 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 (90 kPa)

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

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

This switch is not recommended for controlling:
- electric loads less than 30 milliamps, 12 VAC
- non-arcing electric loads (intrinsically safe applications)
ORDERING INFORMATION

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

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

OPTIONS

PACKAGING
Bagged - standard  Boxed - optional  Bulk - optional

ADDITIONAL CABLE
Longer cable lengths available. Please call for details.

SPECIFICATIONS

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FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 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

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- non-arcing electric loads

NOTE: Contact SJE Rhombus regarding 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 horizontal.

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.

Call or fax your order!
1-888-DIAL-SJE (1-888-342-5753) • Fax 218-847-4617

Product offering and pricing are subject to change without notice. Please visit www.sjerhombus.com for the most current information.

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