

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 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.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Five-year limited warranty.



SPECIFICATIONS

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

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 (90 kPa)

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

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.



(317) 346-4110
www.drainagesolutionsinc.com



California Prop 65 requires the following: ⚠️ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

**SEE REVERSE SIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.**

SENSOR FLOAT® Control Switch

Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

ORDERING INFORMATION

| Normally Open | | Normally Closed | | Shipping Weight |
|---------------|-------------|-----------------|-------------|-----------------|
| Part # | Description | Part # | Description | |
| 1002108 | 10PCNO | 1002111 | 10PCNC | 1.29 lbs. |
| 1002072 | 10SWINO | 1002075 | 10SWINC | 1.85 lbs. |
| 1002143 | 10SWENO | 1002146 | 10SWENC | 2.66 lbs. |
| 1002117 | 15PCNO | 1002120 | 15PCNC | 1.64 lbs. |
| 1002080 | 15SWINO | 1002083 | 15SWINC | 2.22 lbs. |
| 1002152 | 15SWENO | 1002155 | 15SWENC | 2.90 lbs. |
| 1002125 | 20PCNO | 1002128 | 20PCNC | 1.99 lbs. |
| 1002089 | 20SWINO | 1002092 | 20SWINC | 2.59 lbs. |
| 1002161 | 20SWENO | 1002164 | 20SWENC | 3.27 lbs. |
| 1002134 | 30PCNO | 1002137 | 30PCNC | 2.13 lbs. |
| 1002098 | 30SWINO | 1002101 | 30SWINC | 3.28 lbs. |
| 1002170 | 30SWENO | 1002173 | 30SWENC | 3.88 lbs. |

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).

SEE PRICE BOOK FOR LIST PRICE.

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.

OPTIONS

PACKAGING

Bagged - standard

Boxed - optional

Bulk - optional

ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

UL Listed for
Water & Sewage



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.



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