

# 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)



**SJE RHOMBUS**

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**SEE REVERSE SIDE FOR ORDERING INFORMATION.**

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## ORDERING INFORMATION

Normally Open		Normally Closed		List Price	Shipping Weight
Part#	Description	Part#	Description		
1002181	10MPCNO	1002184	10MPCNC	\$46.98	1.20 lbs.
1002206	10MWENO	1002209	10MWENC	\$57.92	2.58 lbs.
1002187	15MPCNO	1002190	15MPCNC	\$51.12	1.57 lbs.
1002212	15MWENO	1002215	15MWENC	\$60.83	2.81 lbs.
1002193	20MPCNO	1002196	20MPCNC	\$55.18	1.90 lbs.
1002218	20MWENO	1002221	20MWENC	\$64.78	3.14 lbs.
1002199	30MPCNO	1002202	30MPCNC	\$63.91	2.68 lbs.
1002224	30MWENO	1002227	30MWENC	\$73.67	3.96 lbs.

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

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

**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

**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

**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.sjerrhombus.com](http://www.sjerrhombus.com) for the most current information.



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