SENSOR FLOAT® MINI CONTROL SWITCH

Mercury-Activated, Narrow-Angle Float Switch Designed to Activate Pump Control Panels and Alarms

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

- non-potable water applications
- sewage applications

This 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.



UL Listed for Water & Sewage

LISTED 83N2 LR54245

FEATURES

- Designed for use in confined spaces
- 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 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

SJE RHOMBUS®
Powered by SJE

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SENSOR FLOAT® MINI CONTROL SWITCH - Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

NORMALLY OPEN		NORMALLY CLOSED		
Part #	Description	Part #	Description	Shipping Weight
1002181	10MPCNO	**1002184**	10MPCNC	1.20 lbs.
1002206	10MWENO	**1002209**	10MWENC	2.58 lbs.
1002187	15MPCNO	**1002190**	15MPCNC	1.57 lbs.
1002212	15MWENO	**1002215**	15MWENC	2.81 lbs.
1002193	20MPCNO	**1002196**	20MPCNC	1.90 lbs.
1002218	20MWENO	**1002221**	20MWENC	3.14 lbs.
1002199	30MPCNO	**1002202**	30MPCNC	2.68 lbs.
1002224	30MWENO	**1002227**	30MWENC	3.96 lbs.

PC = **P**ipe **C**lamp **WE** = **W**eighted **E**xternally **NO** = **N**ormally **O**pen **NC** = **N**ormally **C**losed

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: 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 in 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.

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