

# SJE SIGNALMASTER® Control Switch

**Mechanically-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:

- water
- sewage applications

The SJE SignalMaster® 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 tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.



## FEATURES

- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Not sensitive to rotation.
- Control differential of 1.5 inches (4 cm) above or below horizontal.
- Yellow colored cap for easy identification of normally open control switch.
- White colored cap for easy identification of normally closed control switch.
- UL Listed for use in water and sewage.
- CSA Certified.
- Five-year limited warranty.



## SPECIFICATIONS

- CABLE:** flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)
- FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)
- MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 PSI (90 kPa)
- ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz
- NOTE:** This switch is not recommended for controlling:
- electric loads less than 100 milliamps, 12 VAC
  - non-arcing electric loads

## OPTIONS

**This switch is available:**

- CE certified unit available upon request.
- 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.**

PO Box 1708, Detroit Lakes, MN 56502  
1-888-DIAL-SJE • 1-218-847-1317  
1-218-847-4617 Fax

email: [customer.service@sjerhombus.com](mailto:customer.service@sjerhombus.com)

[www.sjerhombus.com](http://www.sjerhombus.com)

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SEE BACKSIDE FOR ORDERING INFORMATION.

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## ORDERING INFORMATION

Normally Open		Normally Closed		List Price	Shipping Weight
Part#	Description	Part#	Description		
1006042	10SGMPCNO	1006046	10SGMPCNC	\$37.57	1.04 lbs.
1006050	10SGMWENO	1006054	10SGMWENC	\$46.04	2.13 lbs.
1006043	15SGMPCNO	1006047	15SGMPCNC	\$41.12	1.37 lbs.
1006051	15SGMWENO	1006055	15SGMWENC	\$49.59	2.45 lbs.
1006044	20SGMPCNO	1006048	20SGMPCNC	\$44.66	1.69 lbs.
1006052	20SGMWENO	1006056	20SGMWENC	\$53.16	2.70 lbs.
1006045	30SGMPCNO	1006049	30SGMPCNC	\$52.38	2.34 lbs.
1006053	30SGMWENO	1006057	30SGMWENC	\$60.82	3.43 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.

UL Listed for  
Water & Sewage



## SPECIFICATIONS

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**FLOAT:** 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 psi

**ELECTRICAL:** 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

## 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 in water or sewage applications.

### NORMALLY CLOSED (low level)

#### OPERATION

The control switch closes (turns on) when the float tips slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.



**SJE RHOMBUS**

www.sjrhombus.com

customer.service@sjrhombus.com

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