

# SJE SIGNALMASTER® SPDT 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® SPDT control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

### When wired as Normally Open (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.

### When wired as Normally Closed (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

- Can be wired to work in either normally open or normally closed applications (Single Pole, Double Throw).
- 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.
- Green colored cap for easy identification of SPDT control switch.
- UL Listed for use in water and sewage.
- CSA Certified.
- Five-year limited warranty.



## SPECIFICATIONS

**CABLE:** flexible 18 gauge, 3 conductor (UL) 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 switch available upon request
- 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**

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SEE REVERSE SIDE FOR ORDERING INFORMATION.

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## ORDERING INFORMATION

Normally Open or Normally Closed		List Price	Shipping Weight
Part#	Description		
1006094	10SGMSPDTPC	\$43.40	1.20 lbs.
1006098	10SGMSPDTWE	\$51.94	2.29 lbs.
1006095	15SGMSPDTPC	\$47.24	1.61 lbs.
1006099	15SGMSPDTWE	\$55.82	2.69 lbs.
1006096	20SGMSPDTPC	\$51.19	2.01 lbs.
1006100	20SGMSPDTWE	\$59.72	3.10 lbs.
1006097	30SGMSPDTPC	\$59.72	2.82 lbs.
1006101	30SGMSPDTWE	\$68.30	3.91 lbs.

PC = Pipe Clamp WE = Weighted Externally

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

**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



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**FLOAT:** 2.74 inch diameter x 4.83 inch long (7 cm 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.sjerrhombus.com  
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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.