

# 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 BACKSIDE FOR ORDERING INFORMATION.**

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## ORDERING INFORMATION

Normally Open or Normally Closed		List Price	Shipping Weight
Part#	Description		
1006094	10SGMSPDTPC		1.20 lbs.
1006098	10SGMSPDTWE		2.29 lbs.
1006095	15SGMSPDTPC		1.61 lbs.
1006099	15SGMSPDTWE		2.69 lbs.
1006096	20SGMSPDTPC		2.01 lbs.
1006100	20SGMSPDTWE		3.10 lbs.
1006097	30SGMSPDTPC		2.82 lbs.
1006101	30SGMSPDTWE		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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**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**

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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.*