

# SJE SIGNALMASTER®/SJE SIGNALMASTER® SPDT CONTROL SWITCHES

Mechanically-Activated, Narrow-Angle Float Switches Designed to Activate Pump Control Panels and Alarms

These mechanically-activated, narrow-angle control switches are designed to accurately monitor liquid levels and activate pump control panels and alarms in:

- water applications
- sewage applications

The **SJE SignalMaster®** control switch is not sensitive to rotation.

## Normally Open Model (high level) - Yellow Cap

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) - White Cap

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.

## SPDT (Single Pole Double Throw) - Green Cap

The control switch can be wired for either normally open or normally closed applications.



## 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
- Colored caps for easy identification: yellow = normally open; white = normally closed; green = SPDT (Single Pole, Double Throw) can be wired for either normally open or normally closed applications

UL Listed for Water & Sewage



## OPTIONS

- 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



Mechanical

NORMALLY OPEN		NORMALLY CLOSED		Shipping Weight	List Price
Part #	Description	Part #	Description		
1006042	10SGMPCNO	1006046	10SGMPCNC	1.04 lbs.	\$55.68
1006050	10SGMWENO	1006054	10SGMWENC	2.13 lbs.	\$68.29
1006043	15SGMPCNO	1006047	15SGMPCNC	1.37 lbs.	\$60.93
1006051	15SGMWENO	1006055	15SGMWENC	2.45 lbs.	\$73.54
1006044	20SGMPCNO	1006048	20SGMPCNC	1.69 lbs.	\$66.19
1006052	20SGMWENO	1006056	20SGMWENC	2.70 lbs.	\$78.80
1006045	30SGMPCNO	1006049	30SGMPCNC	2.34 lbs.	\$77.74
1006053	30SGMWENO	1006057	30SGMWENC	3.43 lbs.	\$90.35

SPDT (NORMALLY OPEN OR NORMALLY CLOSED)			
Part #	Description	Shipping Weight	List Price
1006094	10SGMSPDTPC	1.20 lbs.	\$64.34
1006098	10SGMSPDTWE	2.29 lbs.	\$77.03
1006095	15SGMSPDTPC	1.61 lbs.	\$70.09
1006099	15SGMSPDTWE	2.69 lbs.	\$82.77
1006096	20SGMSPDTPC	2.01 lbs.	\$75.92
1006100	20SGMSPDTWE	3.10 lbs.	\$88.54
1006097	30SGMSPDTPC	2.82 lbs.	\$88.54
1006101	30SGMSPDTWE	3.91 lbs.	\$101.28

PC = Pipe Clamp WE = Weighted Externally NO = Normally Open NC = Normally Closed

**SPDT:** Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

**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:** SJE SignalMaster® - flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

SJE SignalMaster® SPDT - flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

**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 millamps, 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 drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.