

# 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

## 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

UL Listed for Water & Sewage



**SJE SIGNALMASTER®/SJE SIGNALMASTER® SPDT CONTROL SWITCHES** - Mechanically-activated, narrow-angle float switches designed to activate pump control panels and alarms.

NORMALLY OPEN		NORMALLY CLOSED		Shipping Weight
Part #	Description	Part #	Description	
1006042	10SGMPCNO	1006046	10SGMPCNC	1.04 lbs.
1006050	10SGMWENO	1006054	10SGMWENC	2.13 lbs.
1006043	15SGMPCNO	1006047	15SGMPCNC	1.37 lbs.
1006051	15SGMWENO	1006055	15SGMWENC	2.45 lbs.
1006044	20SGMPCNO	1006048	20SGMPCNC	1.69 lbs.
1006052	20SGMWENO	1006056	20SGMWENC	2.70 lbs.
1006045	30SGMPCNO	1006049	30SGMPCNC	2.34 lbs.
1006053	30SGMWENO	1006057	30SGMWENC	3.43 lbs.

SPDT (NORMALLY OPEN OR NORMALLY CLOSED)		
Part #	Description	Shipping Weight
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 **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 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 drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in water or sewage applications.