

# SJE MILLIAMPMASTER™ WPS CONTROL SWITCH

## Mechanically-Activated Control Switch for Use in Potable Water Applications

The SJE MilliAmpMaster™ WPS mechanically-activated, narrow-angle control switch offers reliable low current control for AC and DC applications to activate pump control panels and alarms in:

- potable water applications
- PLC panels (programmable logic controllers)
- low current solar applications
- other low current applications

The internal switching mechanism has sealed gold cross-point contacts for reliable low current operation. Common applications include PLC (programmable logic controller) panels, low current solar applications, and other low current control panels and alarms in potable water applications.

This narrow angle control float switch activates/deactivates at approximately 1.5" (3.81 cm) above and below horizontal with a 3.5" (9 cm) tether. It is not sensitive to rotation.

### When Wired as a Normally Open Model (high level)

The control float switch turns on (closes) when the switch tips **above** horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

### When Wired as a Normally Closed Model (low level)

The control float switch turns on (closes) when the switch drops **below** horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.

## FEATURES

- Low current applications down to 1 mA at 125 VAC
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant polypropylene float housing
- Not sensitive to rotation
- Orange colored cap for easy identification of SJE MilliAmpMaster™ WPS control switch
- CSA Certified to meet NSF/ANSI 61 standard for use in potable water; approved for use in tanks of 250 US gallons (950L) in volume or greater per float



**SJE MILLIAMPMASTER™ WPS CONTROL SWITCH** - Mechanically-activated, narrow-angle control switch designed to activate low current control panels and alarms in potable water applications.

Part #	Description (Normally Open or Normally Closed)	Shipping Weight
1062686	15MANWPSPC	1.7 lbs.
1062687	30MANWPSPC	2.5 lbs.
1067227	50MANWPSPC	3.93 lbs.

PC = Pipe Clamp  
Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).  
**NOTE:** Descriptions are by cable length measured in feet.

**SPECIFICATIONS**

**CABLE:** flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

**FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 cm 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

**ELECTRICAL:**

**125 VAC**  
Maximum Electrical Load: 1 amp  
Minimum Electrical Load: 1 milliamp

**30 VDC**  
Maximum Electrical Load: 0.1 amps  
Minimum Electrical Load: 1 milliamp

**4 VDC**  
Minimum Electrical Load: 1 milliamp

**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.

**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.