

# SJE MEGAMASTER®

Mechanically-Activated, Narrow-Angle Float Switch Designed for Municipal Applications

The SJE MegaMaster® mechanically-activated, narrow-angle, internally weighted control switch. It is designed for level control in municipal water and sewage applications, including lift stations, non-potable water, PLC (programmable logic controllers), IS (intrinsically safe) and applications having a high grease content.

The internal switching mechanism has unique gold cross-point contacts for reliable control of current up to 1 Amp. The unique two-color float housing offers easy identification of float position.

The SJE MegaMaster® 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.

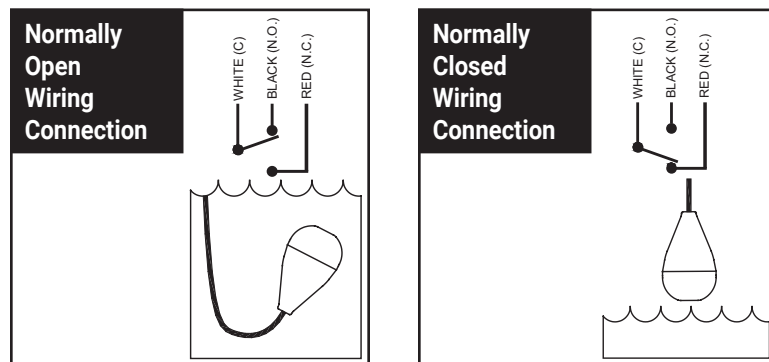
## When wired as Normally Closed (low level)

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



## FEATURES

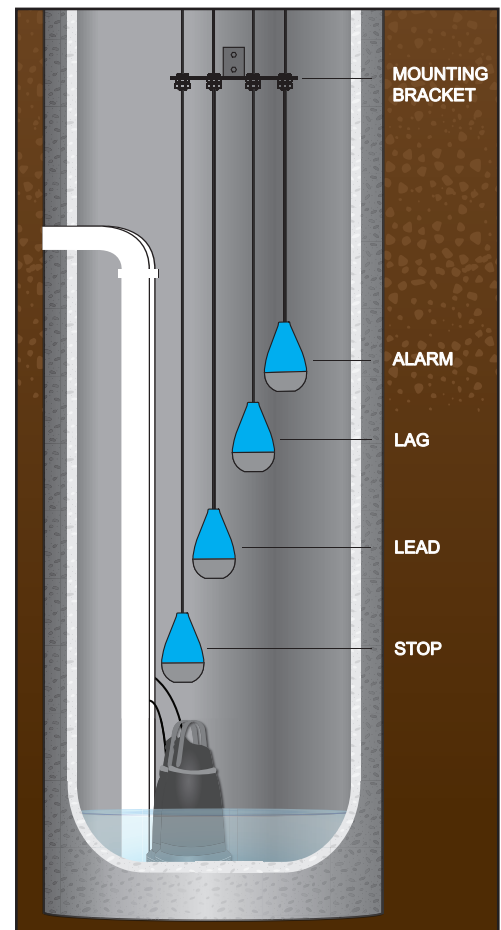
- Internally weighted
- 3 wire cable - SPDT (Single Pole, Double Throw) can be wired as normally open or normally closed; wire color: Common (white), N.O. (black), N.C. (red)
- Large twin wall tear drop shape design offers increased buoyancy
- Two-color housing allows for easy identification of float position
- Unique gold cross-point contacts provide precision and reliable control signals up to 1 amp



## OPTIONS

This switch is available:

- with a float bracket (sold separately)
- in standard cable lengths of 25, 50, 75, or 100 feet (approximately 7, 15, 22, or 30 meters)



**SJE MEGAMASTER® CONTROL SWITCH** - Mechanically-activated, narrow-angle float switch designed for level control of municipal wastewater pumping stations.

| Part #         | Description (Normally Open or Normally Closed) | Shipping Weight |
|----------------|--|-----------------|
| 1046500        | 25MGMS PDT                                     | 3.53 lbs.       |
| 1046501        | 50MGMS PDT                                     | 5.06 lbs.       |
| 1046502        | 75MGMS PDT                                     | 6.65 lbs.       |
| 1046503        | 100MGMS PDT                                    | 8.21 lbs.       |
| Options Part # | Description                                    | Shipping Weight |
| 1009432        | 4 Float Bracket with Mounting Device           | 2.22 lbs.       |

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

**PACKAGING:** Bagged - Standard

## SPECIFICATIONS

**CABLE:** flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

**FLOAT:** 4.03 inch diameter x 6.62 inch long (10.2 x 16.8 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:

**Maximum Electrical Load:** 1 amp, 125 VAC

**Minimum Electrical Load:** 1 mA, 4 VDC

## 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.