

SJE MILLIAMPMMASTER™ CONTROL SWITCH

Mechanically-Activated Control Switch Designed to Activate Low Current Control Panels and Alarms

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

- water applications
- wastewater applications
- PLC panels (programmable logic controllers)
- IS panels (with intrinsically safe barriers)
- low current solar applications
- other low current applications

The wide-angle version activates/deactivates approximately 4" (10.16 cm) above and below horizontal with a 3.5" (9 cm) tether. The narrow angle version 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.

Normally Open Model (high level)

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

Normally Closed Model (low level)

The control 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

UL Listed for Water & Sewage

- Low current, non-arching applications down to 1 mA at 125 VAC
- Mechanically-activated, snap action contacts
- High impact, corrosion resistant polypropylene float housing
- Not sensitive to rotation
- Blue colored cap for easy identification of SJE MilliAmpMaster™ control switch



OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications
- with narrow-angle or wide-angle pumping ranges
- 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



NARROW ANGLE VERSIONS					
NORMALLY OPEN		NORMALLY CLOSED			
Part #	Description	Part #	Description	Shipping Weight	List Price
1018838	10MANPCNO	1018839	10MANPCNC	1.04 lbs.	\$59.32
1018840	10MANWENO	1018841	10MANWENC	2.16 lbs.	\$70.39
1018842	15MANPCNO	1018843	15MANPCNC	1.37 lbs.	\$63.97
1018844	15MANWENO	1018845	15MANWENC	2.45 lbs.	\$75.03
1018846	20MANPCNO	1018847	20MANPCNC	1.69 lbs.	\$68.59
1018848	20MANWENO	1018849	20MANWENC	2.70 lbs.	\$79.63
1018850	30MANPCNO	1018851	30MANPCNC	2.34 lbs.	\$78.61
1018852	30MANWENO	1018853	30MANWENC	3.43 lbs.	\$89.66
WIDE ANGLE VERSIONS					
NORMALLY OPEN		NORMALLY CLOSED			
Part #	Description	Part #	Description	Shipping Weight	List Price
1015725	10MAPCNO	1016180	10MAPCNC	1.04 lbs.	\$59.32
1016181	10MAWENO	1016182	10MAWENC	2.16 lbs.	\$70.39
1016184	15MAPCNO	1016185	15MAPCNC	1.37 lbs.	\$63.97
1016186	15MAWENO	1016187	15MAWENC	2.45 lbs.	\$75.03
1016211	20MAPCNO	1016212	20MAPCNC	1.69 lbs.	\$68.59
1016213	20MAWENO	1016214	20MAWENC	2.70 lbs.	\$79.63
1016215	30MAPCNO	1016216	30MAPCNC	2.34 lbs.	\$78.61
1016217	30MAWENO	1016218	30MAWENC	3.43 lbs.	\$89.66

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

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 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 **above** horizontal signaling a high level, and opens (turns off) when the float drops **below** normal.

NORMALLY CLOSED (LOW LEVEL) OPERATION

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