SJE MILLIAMPMASTER™ 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.

UL Listed for Water & Sewage

LISTED 83N2 LR54245

FEATURES

- 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

SJE RHOMBUS®

9500117L Rev 12/24
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NARROW ANGLE VERSIONS				
NORMALLY OPEN		NORMALLY CLOSED		
Part #	Description	Part #	Description	Shipping Weight
1018838	10MANPCNO	**1018839**	10MANPCNC	1.04 lbs.
1018840	10MANWENO	**1018841**	10MANWENC	2.16 lbs.
1018842	15MANPCNO	**1018843**	15MANPCNC	1.37 lbs.
1018844	15MANWENO	**1018845**	15MANWENC	2.45 lbs.
1018846	20MANPCNO	**1018847**	20MANPCNC	1.69 lbs.
1018848	20MANWENO	**1018849**	20MANWENC	2.70 lbs.
1018850	30MANPCNO	**1018851**	30MANPCNC	2.34 lbs.
1018852	30MANWENO	**1018853**	30MANWENC	3.43 lbs.
WIDE ANGLE VERSIONS				
NORMALLY OPEN		NORMALLY CLOSED		
Part #	Description	Part #	Description	Shipping Weight
1015725	10MAPCNO	**1016180**	10MAPCNC	1.04 lbs.
1016181	10MAWENO	**1016182**	10MAWENC	2.16 lbs.
1016184	15MAPCNO	**1016185**	15MAPCNC	1.37 lbs.
1016186	15MAWENO	**1016187**	15MAWENC	2.45 lbs.
1016211	20MAPCNO	**1016212**	20MAPCNC	1.69 lbs.
1016213	20MAWENO	**1016214**	20MAWENC	2.70 lbs.
1016215	30MAPCNO	**1016216**	30MAPCNC	2.34 lbs.
1016217	30MAWENO	**1016218**	30MAWENC	3.43 lbs.

PC = **P**ipe **C**lamp **WE** = **W**eighted **E**xternally **NO** = **N**ormally **O**pen **NC** = **N**ormally **C**losed

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.

California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov