

SJE MILLIAMPMASTER™ Control Switch

Mechanically-activated control switch designed to activate low current control panels and alarms.

This wide-angle or narrow-angle control switch offers reliable low current control for AC and DC applications in potable water, wastewater, and sewage. The internal switching mechanism has sealed gold cross-point contacts for reliable low current operation. Common applications include PLC (programmable logic controller) panels, IS panels with intrinsically safe barriers, low current solar applications, and other low current control panels and alarms 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

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Low current, non-arching applications down to 0.160 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.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Five-year limited warranty.



MEMBER

Member of
Hydraulic
INSTITUTE

Water
Quality
ASSOCIATION

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL,CSA) SJOW, water-resistant (CPE)

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 (90kPa)

ELECTRICAL:

125 VAC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

30 VDC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

5 VDC

Minimum Electrical Load:
1 milliamps

OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- with narrow 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

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137

**SEE BACKSIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.**

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ORDERING INFORMATION

Narrow-Angle Versions

| Normally Open | | Normally Closed | | Shipping Weight |
|---------------|-------------|-----------------|-------------|-----------------|
| Part # | Description | Part # | Description | |
| 1018838 | 10MANPCNO | 1018839 | 10MANPCNC | 1.04 lbs. |
| 1018840 | 10MANWENO | 1018841 | 10MANWENC | 2.73 lbs. |
| 1018842 | 15MANPCNO | 1018843 | 15MANPCNC | 1.37 lbs. |
| 1018844 | 15MANWENO | 1018845 | 15MANWENC | 3.05 lbs. |
| 1018846 | 20MANPCNO | 1018847 | 20MANPCNC | 1.69 lbs. |
| 1018848 | 20MANWENO | 1018849 | 20MANWENC | 3.30 lbs. |
| 1018850 | 30MANPCNO | 1018851 | 30MANPCNC | 2.34 lbs. |
| 1018852 | 30MANWENO | 1018853 | 30MANWENC | 4.03 lbs. |

Wide-Angle Versions

| Normally Open | | Normally Closed | | Shipping Weight |
|---------------|-------------|-----------------|-------------|-----------------|
| Part # | Description | Part # | Description | |
| 1015725 | 10MAPCNO | 1016180 | 10MAPCNC | 1.04 lbs. |
| 1016181 | 10MAWENO | 1016182 | 10MAWENC | 2.73 lbs. |
| 1016184 | 15MAPCNO | 1016185 | 15MAPCNC | 1.37 lbs. |
| 1016186 | 15MAWENO | 1016187 | 15MAWENC | 3.05 lbs. |
| 1016211 | 20MAPCNO | 1016212 | 20MAPCNC | 1.69 lbs. |
| 1016213 | 20MAWENO | 1016214 | 20MAWENC | 3.30 lbs. |
| 1016215 | 30MAPCNO | 1016216 | 30MAPCNC | 2.34 lbs. |
| 1016217 | 30MAWENO | 1016218 | 30MAWENC | 4.03 lbs. |

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).

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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:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

30 VDC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

5 VDC

Minimum Electrical Load:
1 milliamps

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.

OPTIONS

PACKAGING

Bagged - standard
Boxed - optional
Bulk - optional

No Mounting - deduct optional

ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

UL Listed for Water & Sewage



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Call or fax your order!

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