

# SJE MICROMASTER® PLUS WS PUMP SWITCH

Mechanically-Activated, Wide-Angle Switch

The SJE MicroMaster® mechanically-activated, wide-angle pump switch designed specifically as a mechanical alternative to the mercury-activated Junior Super Single(R) pump switch for:

- water applications
- sewage applications

This SJE MicroMaster® Plus WS pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

## FEATURES

- Mechanically-activated, snap action contacts
- High impact, corrosion resistant, polypropylene float housing
- Adjustable pump range of 8 to 36 inches (20 to 91 cm)

## OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 125 VAC or 250 VAC piggy back plug
- without a plug for direct wiring in 125 VAC or 250 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)



UL Recognized for Water & Sewage



LR54245



Mechanical



PUMP DOWN 		PUMP UP 		Shipping Weight
Part #	Description	Part #	Description	
1022021	10MMPD1WPWS	1022024	10MMPU1WPWS	1.48 lbs.
1022022	10MMPD2WPWS	1022025	10MMPU2WPWS	1.51 lbs.
1022020	10MMPDWOPWS	1022023	10MMPUWOPWS	1.04 lbs.
1022027	15MMPD1WPWS	1022030	15MMPU1WPWS	1.81 lbs.
1022028	15MMPD2WPWS	1022031	15MMPU2WPWS	1.85 lbs.
1022026	15MMPDWOPWS	1022029	15MMPUWOPWS	1.37 lbs.
1022033	20MMPD1WPWS	1022036	20MMPU1WPWS	2.14 lbs.
1022034	20MMPD2WPWS	1022037	20MMPU2WPWS	2.19 lbs.
1022032	20MMPDWOPWS	1022035	20MMPUWOPWS	1.69 lbs.
1022039	30MMPD1WPWS	1022042	30MMPU1WPWS	2.86 lbs.
1022040	30MMPD2WPWS	1022043	30MMPU2WPWS	2.90 lbs.
1022038	30MMPDWOPWS	1022041	30MMPUWOPWS	2.34 lbs.

D = Pump Down U = Pump Up 1 = 125VAC 2 = 250VAC WP = With Plug WOP = With Out Plug

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

**MOUNTING CLAMP** is standard.

**CABLE WEIGHT MOUNTING** is also available.

**PACKAGING:** Boxed - Standard

**ADDITIONAL CABLE:** Longer cable lengths available.

## SPECIFICATIONS

**PUMPING RANGE:** 8 to 36 inches (20 cm to 91 cm).

**CABLE:** flexible 16 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 water up to 140°F (60°C)

**MAXIMUM WATER DEPTH:** 33 feet (10 meters) or 13 psi (90 kPa)

## ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current
125 VAC 250 VAC	13 amps 12 amps	78 amps 72 amps

**NOTE:** This switch is not recommended for controlling:

- electric loads less than 100 millamps, 12 VAC
- non-arcing electric loads

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

**A Pump Switch is designed for Horsepower (HP) rated loads and is not suitable for control (pilot duty) applications. It will fail prematurely when switching loads less than 1 Amp at 120 VAC. Select a float switch from our Control Switch offering for control applications.**

## OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying in water or sewage applications.

**PUMP UP** is normally closed contacts for filling in water or sewage applications.

**DIRECT WIRING:** Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.