

JUNIOR SUPER SINGLE® PUMP SWITCH

Mercury-Activated, Wide-Angle Switch

The Junior Super Single® mercury-activated, wide-angle pump switch is designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC for

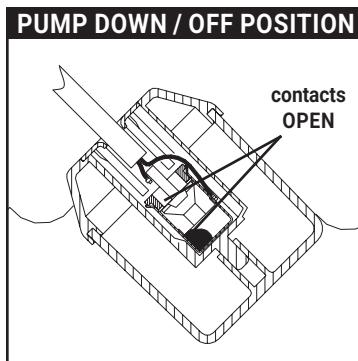
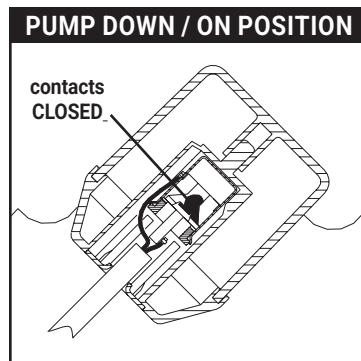
- non-potable water applications
- sewage applications

Although this switch is not sensitive to rotation, it is affected by turbulence and should be mounted in a non-turbulent location.

The Junior Super Single® pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.

FEATURES

- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC
- Adjustable pumping range of 6.5 to 19 inches (16.5 to 48 cm)
- Includes standard mounting clamp and boxed packaging



OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number
- with a 120 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 120 VAC or 230 VAC applications
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)



U.S. Patent Nos. 4,529,854 & 4,572,934

UL Recognized for Water & Sewage



LR54245



JUNIOR SUPER SINGLE® PUMP SWITCH - Mercury-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

PUMP DOWN 		PUMP UP 		Shipping Weight	List Price
Part #	Description	Part #	Description		
1001896	10JSD1WP	1001918	10JSU1WP	1.45 lbs.	\$132.30
1001914	10JSD2WP	1001921	10JSU2WP	1.48 lbs.	\$136.71
1001916	10JSDWOP	1001923	10JSUWOP	1.37 lbs.	\$116.87
1001817	15JSD1WP	1001930	15JSU1WP	1.77 lbs.	\$138.92
1001926	15JSD2WP	1001932	15JSU2WP	1.81 lbs.	\$143.33
1001928	15JSDWOP	1001934	15JSUWOP	1.68 lbs.	\$123.48
1001898	20JSD1WP	1001941	20JSU1WP	2.11 lbs.	\$145.53
1001937	20JSD2WP	1001943	20JSU2WP	2.14 lbs.	\$151.04
1001939	20JSDWOP	1001945	20JSUWOP	2.03 lbs.	\$131.20
1001900	30JSD1WP	1001952	30JSU1WP	2.82 lbs.	\$160.97
1001948	30JSD2WP	1001954	30JSU2WP	2.86 lbs.	\$165.38
1001950	30JSDWOP	1001956	30JSUWOP	2.74 lbs	\$145.53

D = Pump Down U = Pump Up 1 = 120VAC 2 = 230VAC 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.

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

SPECIFICATIONS

PUMPING RANGE: 6.5 to 19 inches (16.5 cm to 48 cm)

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-metal contacts, hermetically sealed in a steel capsule

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC 230 VAC	13 amps 8 amps	40 amps 20 amps	1/2 HP or less 1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. This switch is not designed to be directly wired to relays or motor contactors.

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.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING: Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.