

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

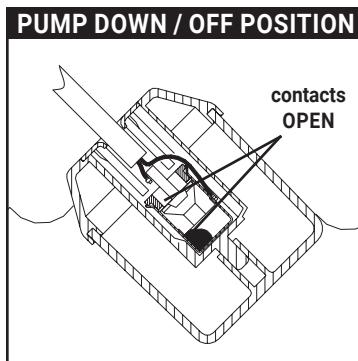
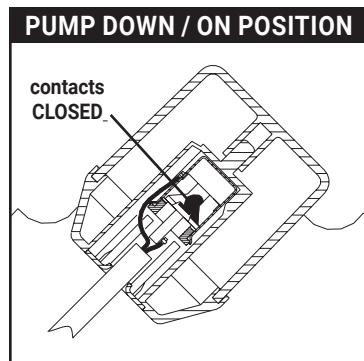
- non-potable water applications
- sewage applications

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
Part #	Description	Part #	Description	
1001896	10JSD1WP	1001918	10JSU1WP	1.45 lbs.
1001914	10JSD2WP	1001921	10JSU2WP	1.48 lbs.
1001916	10JSDWOP	1001923	10JSUWOP	1.37 lbs.
1001817	15JSD1WP	1001930	15JSU1WP	1.77 lbs.
1001926	15JSD2WP	1001932	15JSU2WP	1.81 lbs.
1001928	15JSDWOP	1001934	15JSUWOP	1.68 lbs.
1001898	20JSD1WP	1001941	20JSU1WP	2.11 lbs.
1001937	20JSD2WP	1001943	20JSU2WP	2.14 lbs.
1001939	20JSDWOP	1001945	20JSUWOP	2.03 lbs.
1001900	30JSD1WP	1001952	30JSU1WP	2.82 lbs.
1001948	30JSD2WP	1001954	30JSU2WP	2.86 lbs.
1001950	30JSDWOP	1001956	30JSUWOP	2.74 lbs

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.