

JUNIOR SUPER SINGLE® Pump Switch

Mercury-activated, wide-angle switch designed to control pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mercury-activated, wide-angle pump switch provides automatic control of pumps in non-potable water and sewage applications.

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

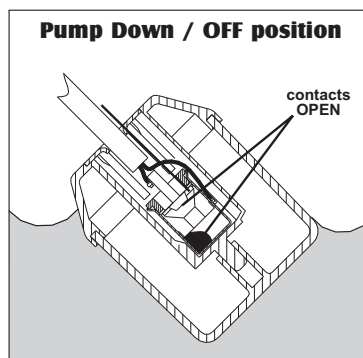
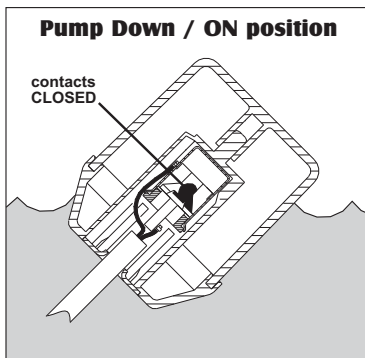
The Junior Super Single® is not recommended for use with motor contactors or relays because the motor contactors or relays may experience chattering. A Super Single® or Double Float™ pump switch would operate more efficiently in these installations.



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

FEATURES

- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of 16.5 to 48 cm (6.5 to 19 inches).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



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 3, 5, 6, or 10 meters and 10, 15, 20, or 30 feet (longer lengths available).

SPECIFICATIONS

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

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

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

ELECTRICAL:

120 VAC 50/60 Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
40 amps

Recommended Pump HP:
373 W (1/2 HP) or less

230 VAC 50/60 Hz Single Phase:

Maximum Pump Running Current:
8 amps

Maximum Pump Starting Current:
20 amps

Recommended Pump HP:
746 W (1 HP) or less

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

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE
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ORDERING INFORMATION

PART NUMBER		DESCRIPTION		SHIPPING WEIGHT
Pump Up	Pump Down	Cable Length	Plug Configuration	
1004377	1004376	3 Meters	No Plug	0.51 kgs.
1004379	1004378	5 Meters	No Plug	0.71 kgs.
1005526	1005525	6 Meters	No Plug	0.71 kgs.
1004381	1004380	10 Meters	No Plug	1.20 kgs.

Contact SJE-Rhombus for pricing or submit an on-line quote request at www.sjrhombus.com. Units with plug available upon request.

SPECIFICATIONS

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

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

FLOAT: 7.14 cm diameter x 8.68 cm long (2.81 inch x 3.42 inch), impact resistant, non-corrosive, PVC plastic for use in liquids up to 60°C (140°F)

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

ELECTRICAL:

Voltage 50 Hz/60Hz Single Phase	Maximum Pump Running Current	Maximum Pump Starting Current	Max. Recommend Pump Power
120 VAC	13 amps	40 amps	373 W (1/2 HP)
230 VAC	8 amps	20 amps	746 W (1 HP)

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

The Junior Super Single® is not designed to be directly wired to relays or motor contactors.

OPTIONS

MOUNTING CLAMP IS STANDARD

If clamp is not required please specify.

CABLE WEIGHT

If cable weight is required please specify.

BAGGED PACKAGING IS STANDARD

For individual boxed packaging please specify.

ADDITIONAL CABLE LENGTH IS AVAILABLE

UL Recognized for Water & Sewage



OTHER INFORMATION

DIRECT WIRING

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

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.



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