

DOUBLE FLOAT® MASTER Pump Switch

Mechanically activated, wide-angle switch designed to control pumps up to 13 FLA, 78 LRA, 120 VAC or 240 VAC.

This mechanically activated, wide-angle pump switch provides automatic control of pumps in non-potable water and sewage applications. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The **Double Float® Master** pump switch consists of two mechanical floats and a splice tube. The splice tube contains a holding relay which enables the floats to function in series.

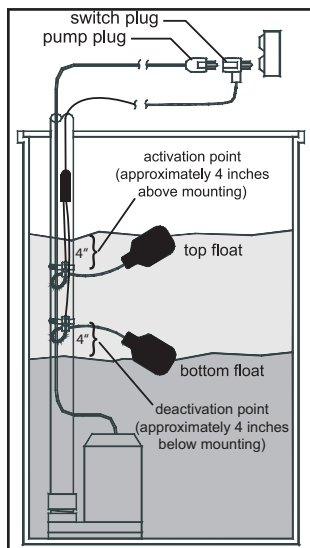
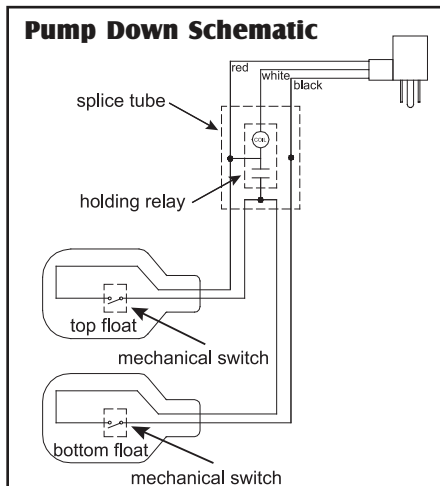
The holding relay eliminates pump chatter in turbulent conditions allowing the **Double Float® Master** pump switch to operate relay control panels for larger pump applications.



Patent Pending

FEATURES

- Controls pumps up to 13 FLA, 78 LRA, 120 VAC or 240 VAC.
- Adjustable pumping range of 25.4 to 142.2 cm (10 to 56 inches) with increased pumping range up to 1.8 meters (6 feet) available.
- Includes standard mounting clamps and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



SPECIFICATIONS

Cable attached to float housing: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant, (CPE)

Cable above splice: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic

FLOAT: 7.0 cm diameter x 12.3 cm long (2.74 inch x 4.83 inch), high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 60°C (140°F)

ELECTRICAL:

120 VAC 50/60 Hz Single Phase:

Maximum Pump Running Current (FLA):
13 amps

Maximum Pump Starting Current (LRA):
78 amps

240 VAC 50/60 Hz Single Phase:

Maximum Pump Running Current (FLA):
13 amps

Maximum Pump Starting Current (LRA):
78 amps

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

OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 240 VAC piggy-back plug.
- without a plug for direct wiring (120 VAC units can only be used with 120 VAC applications within specified amp ratings. 240 VAC units can only be used with 240 VAC applications within specified amp ratings).
- in standard cable lengths of 5 or 10 meters (15, 20, or 30 feet - longer lengths available).

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE
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Mechanically activated, wide-angle switch designed to control pumps up to 13 FLA, 78 LRA, 120 VAC or 240 VAC.

PRICING/ORDERING INFORMATION

| PART NUMBER | | DESCRIPTION | | SUGGESTED LIST (USD) | SHIPPING WEIGHT |
|-------------|-----------|--------------|---------|----------------------|-----------------|
| Pump Up | Pump Down | Cable Length | Voltage | | |
| 1017670 | 1017658 | 5 Meters | 120 VAC | \$74.73 | 1.61 kgs. |
| 1017671 | 1017659 | 5 Meters | 240 VAC | \$75.31 | 1.59 kgs. |
| 1017678 | 1017666 | 10 Meters | 120 VAC | \$83.38 | 2.20 kgs. |
| 1017679 | 1017667 | 10 Meters | 240 VAC | \$85.05 | 2.21 kgs. |

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

SPECIFICATIONS

PUMPING RANGE: 25.4 cm to 142.2 cm (10 to 56 inches), increased pumping range available. Call factory for quote.

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

CABLE ABOVE SPLICE: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic

FLOAT: 7.0 cm diameter x 12.3 cm long (2.74 inch x 4.83 inch), high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 60°C (140°F)

ELECTRICAL:

| Voltage 50 Hz/60Hz Single Phase | Maximum Pump Running Current | Maximum Pump Starting Current |
|---------------------------------|------------------------------|-------------------------------|
| 120 VAC | 13 amps | 78 amps |
| 240 VAC | 13 amps | 78 amps |

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

OPTIONS

MOUNTING CLAMP IS STANDARD

If clamp is not 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

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING

120 VAC units used for direct wiring (without plug) can **only** be used with **120 VAC** applications within specified amp ratings.

240 VAC units used for direct wiring (without plug) can **only** be used with **240 VAC** applications within specified amp ratings.



www.sjerhombus.com

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