DOUBLE FLOAT® MASTER Pump Switch

Mechanically activated switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

This mechanically activated, 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.

FEATURES
- Controls pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.
- Adjustable pumping range of 3 to 48 inches (7.6 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available.
- Includes standard mounting clamps and boxed packaging.
- CSA Certified.
- Five-year limited warranty.

SPECIFICATIONS
- Cable attached to float housing: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)
- Cable above splice: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic
- FLOATS: 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 140°F (60°C)

ELECTRICAL:
120 VAC 50/60Hz Single Phase:
- Maximum Pump Running Current (FLA): 15 amps
- Maximum Pump Starting Current (LRA): 90 amps

240 VAC 50/60Hz Single Phase:
- Maximum Pump Running Current (FLA): 15 amps
- Maximum Pump Starting Current (LRA): 90 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 15, 20, or 30 feet and 5 or 10 meters (longer lengths available).
**DOUBLE FLOAT® MASTER Pump Switch**

Mechanically activated switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>PUMP DOWN</th>
<th>PUMP UP</th>
<th>List Price</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part#</td>
<td>Description</td>
<td>Part#</td>
<td>Description</td>
</tr>
<tr>
<td>1016864</td>
<td>15DFMMD1WP</td>
<td>1017668</td>
<td>15DFMMU1WP</td>
</tr>
<tr>
<td>1017657</td>
<td>15DFMMD2WP</td>
<td>1017669</td>
<td>15DFMMU2WP</td>
</tr>
<tr>
<td>1017658</td>
<td>15DFMMD1WOP</td>
<td>1017670</td>
<td>15DFMMU1WOP</td>
</tr>
<tr>
<td>1017659</td>
<td>15DFMMD2WOP</td>
<td>1017671</td>
<td>15DFMMU2WOP</td>
</tr>
<tr>
<td>1017660</td>
<td>20DFMMD1WP</td>
<td>1017672</td>
<td>20DFMMU1WP</td>
</tr>
<tr>
<td>1017661</td>
<td>20DFMMD2WP</td>
<td>1017673</td>
<td>20DFMMU2WP</td>
</tr>
<tr>
<td>1017662</td>
<td>20DFMMD1WOP</td>
<td>1017674</td>
<td>20DFMMU1WOP</td>
</tr>
<tr>
<td>1017663</td>
<td>20DFMMD2WOP</td>
<td>1017675</td>
<td>20DFMMU2WOP</td>
</tr>
<tr>
<td>1017664</td>
<td>30DFMMD1WP</td>
<td>1017676</td>
<td>30DFMMU1WP</td>
</tr>
<tr>
<td>1017665</td>
<td>30DFMMD2WP</td>
<td>1017677</td>
<td>30DFMMU2WP</td>
</tr>
<tr>
<td>1017666</td>
<td>30DFMMD1WOP</td>
<td>1017678</td>
<td>30DFMMU1WOP</td>
</tr>
<tr>
<td>1017667</td>
<td>30DFMMD2WOP</td>
<td>1017679</td>
<td>30DFMMU2WOP</td>
</tr>
</tbody>
</table>

**OPTIONS**

**PACKAGING**
- Boxed - standard
- Bagged - optional Bulk - optional

**ADDITIONAL CABLE**
Longer cable lengths available. Please call for details.

**SPECIFICATIONS**

**PUMPING RANGE:** 3 to 48 inches (7.6 cm to 122 cm), increased pumping range available. Call factory for quote.

**CABLE ATTACHED TO FLOAT HOUSING:** flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

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

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

**ELECTRICAL:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max. Pump Run Current</th>
<th>Max. Pump Start Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>15 amps</td>
<td>90 amps</td>
</tr>
<tr>
<td>240 VAC</td>
<td>15 amps</td>
<td>90 amps</td>
</tr>
</tbody>
</table>

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

**D = Pump Down** **U = Pump Up** **1 = 120 VAC** **2 = 240 VAC**

**WP = With Plug** **WOP = With Out Plug**

**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.

**CALL OR FAX YOUR ORDER!**

1-888-DIAL-SJE (1-888-342-5753) • Fax 218-847-4617

Product offering and pricing are subject to change without notice. Please visit www.sjerhombus.com for the most current information.