DOUBLE FLOAT® MASTER PUMP SWITCH

Mechanically Activated Switch

The Double Float® Master mechanically-activated pump switch is designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC for:

- non-potable water applications
- 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.



LR54245

FEATURES

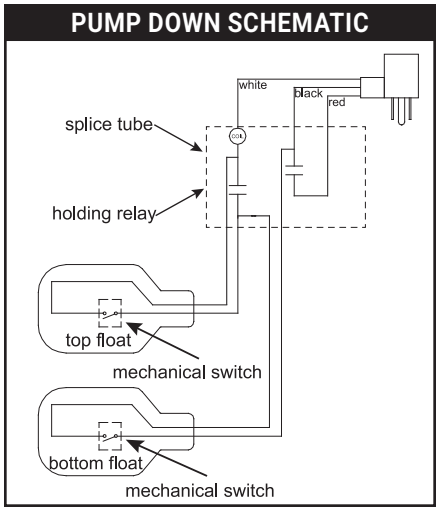
- Controls pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC
- Adjustable pumping range of 3 to 48 inches (7.6 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available
- Includes standard mounting clamps and boxed packaging

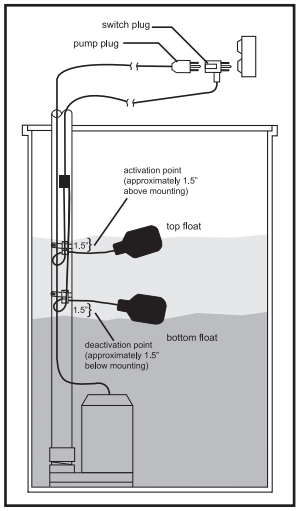
OPTIONS

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, 6 or 10 meters (longer lengths available)

PUMP DOWN SCHEMATIC





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DOUBLE FLOAT MASTER® PUMP SWITCH - Mechanically-activated, wide-angle switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

PUMP DOWN		PUMP UP			
Part #	Description	Part #	Description	Shipping Weight	List Price
1016864	15DFMMD1WP	**1017668**	15DFMMU1WP	3.63 lbs.	$211.84
1017657	15DFMMD2WP	**1017669**	15DFMMU2WP	3.64 lbs.	$217.55
1017658	15DFMMD1WOP	**1017670**	15DFMMU1WOP	3.55 lbs.	$199.28
1017659	15DFMMD2WOP	**1017671**	15DFMMU2WOP	3.51 lbs.	$203.51
1017660	20DFMMD1WP	**1017672**	20DFMMU1WP	4.04 lbs.	$219.75
1017661	20DFMMD2WP	**1017673**	20DFMMU2WP	4.08 lbs.	$225.47
1017662	20DFMMD1WOP	**1017674**	20DFMMU1WOP	3.97 lbs.	$207.26
1017663	20DFMMD2WOP	**1017675**	20DFMMU2WOP	4.01 lbs.	$211.42
1017664	30DFMMD1WP	**1017676**	30DFMMU1WP	4.95 lbs.	$236.65
1017665	30DFMMD2WP	**1017677**	30DFMMU2WP	4.99 lbs.	$242.34
1017666	30DFMMD1WOP	**1017678**	30DFMMU1WOP	4.86 lbs.	$224.32
1017667	30DFMMD2WOP	**1017679**	30DFMMU2WOP	4.87 lbs.	$228.31

D = Pump **D**own **U** = Pump **U**p **1** = **120**VAC **2** = **230**VAC **WP** = **W**ith **P**lug **WOP** = **W**ith **O**ut **P**lug

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

PACKAGING: Boxed - Standard

ADDITIONAL CABLE: Longer cable lengths available.

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:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current
120 VAC	**15 amps**	**90 amps**
240 VAC	**15 amps**	**90 amps**

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

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:
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.

California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov