

# Medium Duty Wide-Angle Dual

## Mechanically-Activated, Wide-Angle Pump Switch

**Mechanically-activated switch designed to control pumps up to 15 FLA, 90 LRA, 115 VAC or 230 VAC.**

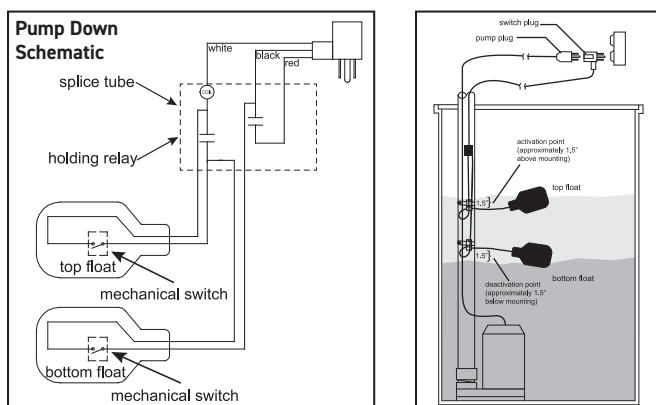
This mechanically-activated, pump switch provides automatic control of pumps in non-potable water and sewage applications. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct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

The **Medium Duty Wide-Angle Dual** 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 **Medium Duty Wide-Angle Dual** pump switch to operate relay control panels for larger pump applications.

### FEATURES

- Controls pumps up to 15 FLA, 90 LRA, 115 VAC or 230 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 115 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring (115 VAC units can only be used with 115 VAC applications within specified amp ratings, 230 VAC units can only be used with 230 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)



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## MEDIUM DUTY WIDE-ANGLE DUAL PUMP SWITCH

Pump Down 		Pump Up 		Shipping Weight
Part #	Description	Part #	Description	
1033129	15PSDFD1WP	1033133	15PSDFU1WP	3.63 lbs.
1033130	15PSDFD2WP	1033134	15PSDFU2WP	3.64 lbs.
1033131	15PSDFD1WOP	1033135	15PSDFU1WOP	3.55 lbs.
1033132	15PSDFD2WOP	1033136	15PSDFU2WOP	3.51 lbs.
1033137	20PSDFD1WP	1033141	20PSDFU1WP	4.04 lbs.
1033138	20PSDFD2WP	1033142	20PSDFU2WP	4.08 lbs.
1033139	20PSDFD1WOP	1033143	20PSDFU1WOP	3.97 lbs.
1033140	20PSDFD2WOP	1033144	20PSDFU2WOP	4.01 lbs.
1033145	30PSDFD1WP	1033149	30PSDFU1WP	4.95 lbs.
1033146	30PSDFD2WP	1033150	30PSDFU2WP	4.99 lbs.
1033147	30PSDFD1WOP	1033151	30PSDFU1WOP	4.86 lbs.
1033148	30PSDFD2WOP	1033152	30PSDFU2WOP	4.87 lbs.

PS = Pump Switch DF = Dual Float D = Pump Down U = Pump Up 1 = 115 VAC 2 = 230 VAC  
P = With Plug WOP = With Out Plug

NOTE: Descriptions are by cable length measured in feet.

SEE PRICE BOOK FOR LIST PRICE.

### 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
115 VAC	15 amps	90 amps
230 VAC	15 amps	90 amps

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

### OPTIONS

#### PACKAGING

**Boxed** - standard

**Bagged** - optional

**Bulk** - optional; must be ordered in master carton quantities.

Please contact customer service for details/pricing.

#### ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

### OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying.

**PUMP UP** is normally closed contacts for filling.

#### DIRECT WIRING

**115 VAC** units used for direct wiring (without plug) can **only** be used with **115 VAC** applications within specified amp ratings.

**230 VAC** units used for direct wiring (without plug) can **only** be used with **230 VAC** applications within specified amp ratings.



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