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.

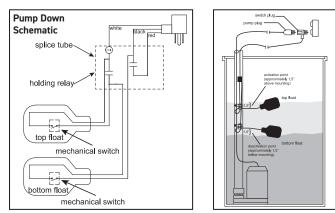
This mechanically-activated, pump switch provides automatic control of pumps in non-potable water and sewage applications. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct 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 (<u>115 VAC</u> units can only be used with 115 VAC applications within specified amp ratings, <u>230 VAC</u> 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)



Toll Free: 888-342-5753 customer.service@sjeinc.com www.csicontrols.com



MEDIUM DUTY WIDE-ANGLE DUAL PUMP SWITCH

Pump Down	Shipping			
Part #	Description	Part #	Description	Weight
1033129	15PSDFD1WP	1033133	15PSDFU1WP	3.63 lbs.
1033130	15PSDFD2WP	1033134	15PSDFU2WP	3.64 lbs.
1033131	15PSDFD1W0P	1033135	15PSDFU1W0P	3.55 lbs.
1033132	15PSDFD2W0P	1033136	15PSDFU2W0P	3.51 lbs.
1033137	20PSDFD1WP	1033141	20PSDFU1WP	4.04 lbs.
1033138	20PSDFD2WP	1033142	20PSDFU2WP	4.08 lbs.
1033139	20PSDFD1W0P	1033143	20PSDFU1W0P	3.97 lbs.
1033140	20PSDFD2W0P	1033144	20PSDFU2W0P	4.01 lbs.
1033145	30PSDFD1WP	1033149	30PSDFU1WP	4.95 lbs.
1033146	30PSDFD2WP	1033150	30PSDFU2WP	4.99 lbs.
1033147	30PSDFD1W0P	1033151	30PSDFU1W0P	4.86 lbs.
1033148	30PSDFD2W0P	1033152	30PSDFU2W0P	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	Max. Pump	Max. Pump
Single Phase	Run Current	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.

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.

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

<u>115 VAC</u> 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.



Toll Free: 888-342-5753 customer.service@sjeinc.com www.csicontrols.com

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

9500384H 02/24 © 2018 SJE, Inc. All Rights Reserved. CSI CONTROLS is a trademark of SJE, Inc.