DoubleMax™ 2-Float Pump Switch

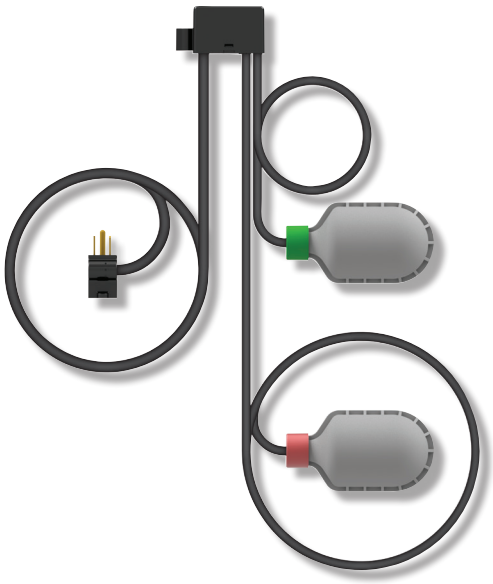
15 Amp | 120/230VAC

ADJUSTABLE PUMPING RANGE

Alderon™ INDUSTRIES

TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION



The DoubleMax™ 2-Float Pump Switch is used to turn a pump on and off in environments with temperatures up to 140° F. This product can be used for a wide variety of applications, including but not limited to: septic tanks, sump pits, holding tanks, pump chambers, water tanks, and any other liquid tanks. Available in 120VAC or 230VAC bare leads (no plug), 120VAC piggyback plug, and 230VAC piggyback plug, 15 Amp models.

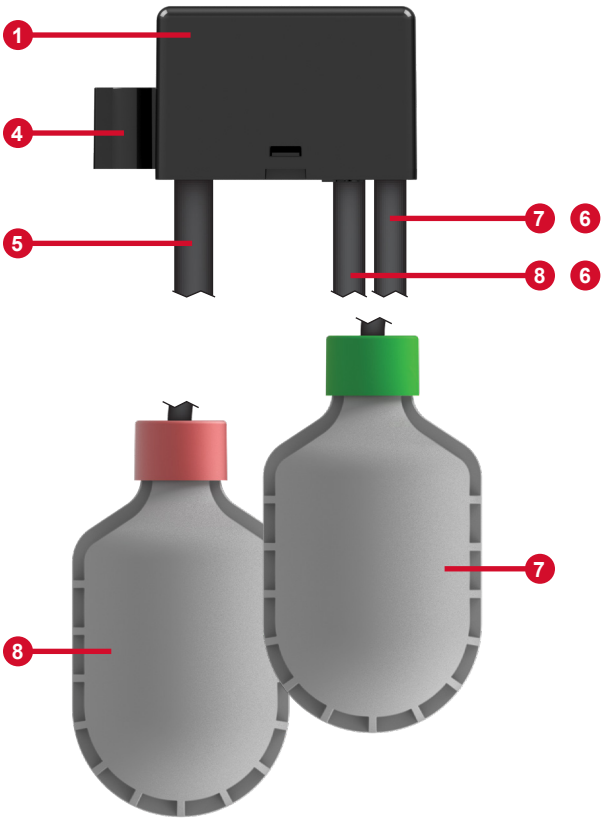
The two floats create an adjustable pumping range between 3" - 48", based on the mounting location of the floats. The pump switch is mechanically operated and activated by the ball inside the float housings. For use as empty tank (normally open) or fill tank (normally closed) configuration with stainless steel pipe clamp float attachments for mounting and various cable lengths.

NOTE: Check to make sure the correct pump switch is being used for the application:

Normally Open (Pump Down, Top Float Green) - Contacts are open while hanging down and will close on a rising liquid level. Typically used for empty tank applications. The top float will have a green collar and the bottom float will have a red collar.

Normally Closed (Pump Up, Top Float Red) - Contacts are closed while hanging down and will open on a rising liquid level. Typically used for fill tank applications. The top float will have a red collar and the bottom float will have a green collar.

STANDARD FEATURES



(1) DoubleMax™ Housing - The float switches and power cable wires are encapsulated in epoxy to ensure a waterproof pump switch. Made with ABS plastic and mounted on a pipe along with the start/stop floats at the desired levels.

(2) Pipe Clamp Bracket (not shown) - Located on the back of the DoubleMax™ housing, used to mount the pump switch to a pipe.

(3) Stainless Steel Pipe Clamps (not shown) - Three pipe clamps are included to mount the housing, top float switch, and bottom float switch to a pipe at the desired mounting locations.

(4) Cable Clip - Clip the Power Cable to the housing as a way to train the power wire to go vertically.

(5) DoubleMax™ Power Cable - SJOOW (UL/CSA), 14 gauge, 3-conductor, flexible, and water/oil resistant. Available in 120VAC or 230VAC bare leads (no plug), 120VAC piggyback plug, and 230VAC piggyback plug, 15 Amp models.

(6) Pump Float Switch Cable - SJOOW (UL/CSA), 14 gauge, 2-conductor, flexible, and water/oil resistant.

(7) Top Float - The top float is mounted on a pipe at the desired start/run level (normally open/pump down, green collar) or stop level (normally closed/pump up, red collar) using the provided pipe clamp. The narrow angle (20°) switching differential provides precise activation and deactivation of the float switch.

(8) Bottom Float - The bottom float is mounted on a pipe at the desired stop/off level (normally open/pump down, red collar) or start level (normally closed/pump up, green collar) using the provided pipe clamp. The narrow angle (20°) switching differential provides precise activation and deactivation of the float switch.

SPECIFICATIONS

DoubleMax™ 2-Float Pump Switch

Primary Voltage
120VAC or 230VAC, 50/60 Hz
(voltage depends on model/part number)

Amperage
15 Amps

Housing Material
ABS Plastic

Cable Type (power cord)
SJOOW *(UL/CSA)*, 14 gauge, 3-conductor, flexible, and water/oil resistant

Cable Type (float switches)
SJOOW *(UL/CSA)*, 14 gauge, 2-conductor, flexible, and water/oil resistant

Operating Temperature
0 - 140° F

Connection Types
Bare Lead *(no plug; 120VAC or 230VAC)*
Piggyback Plug *(120VAC or 230VAC)*

Pumping Range
Adjustable, 3.0 - 48.0 inches

Switch Configuration
Single Pole, Single Throw *(NO or NC)*

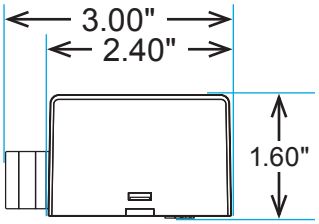
Three-Year Limited Warranty

NOTE: The DoubleMax™ pump switch must be used with pumps that provide integral thermal overload protection.

Suitable for use in water or sewage environments.

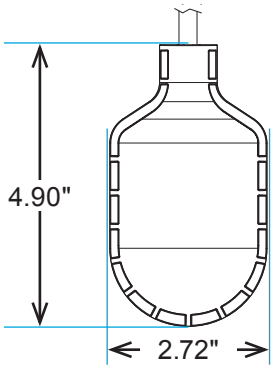
MECHANICAL DRAWING

DoubleMax™ Pump Switch



Depth: 2.13"

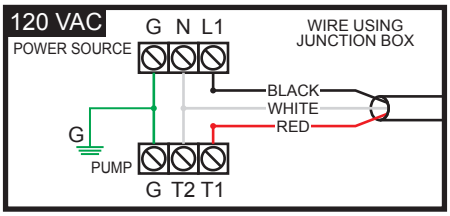
Float Switch



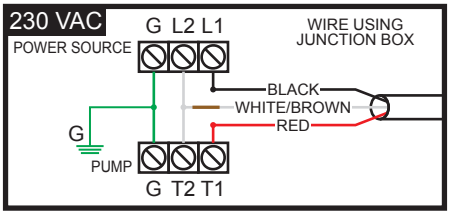
APPLICATION EXAMPLE

The DoubleMax™ pump switch is available in both bare lead and piggyback plug models, 120VAC (Fig. 1) or 230VAC (Fig. 2). The wiring examples shown are for bare lead models or where the piggyback plug needs to be removed. Refer to the pump switch instructions for complete wiring details.

(Fig. 1)



(Fig. 2)



ORDERING INFORMATION

DM15DPS1WP20

1 2 3 4 5 6

Customized Model Number:

MODEL # BOX 1	MODEL # BOX 2	MODEL # BOX 3	MODEL # BOX 4	MODEL # BOX 5	MODEL # BOX 6
DM					

NUMBER	CATEGORY	TYPE / EXAMPLE
1	Product Type	DM = DoubleMax™ Product Line
2	Amperage Rating	15 = 15 Amps, 14 AWG Cable
3	Activation Type	D = Pump Down, Normally Open (NO) U = Pump Up, Normally Closed (NC)
4	Mounting Method	PS = Pipe Clamp, Stainless Steel XX* = No Mounting Method (must choose bulk packaging method)
5	Termination Type	1WOP = 120VAC, Without Plug (bare lead) 2WOP = 240VAC, Without Plug (bare lead) 1WP = 120VAC, Piggyback Plug 2WP = 240VAC, Piggyback Plug
6	Cable Length	15 = 15 Feet 20 = 20 Feet 30 = 30 Feet