

VertiMAC™ Pump Switch

VM-Series - 13 Amp | 120/240VAC

OPERATED BY FLOAT (PUMP SWITCH ONLY)



TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION

Alderon Industries™ | Pat. No. 10,794,379



(120VAC piggyback plug model shown)

The VertiMAC™ Pump Switch VM-Series is a float operated pump switch, typically used in sump pump applications or situations where a regular pump switch cannot operate due to limited space. Available in 120/240VAC bare lead (no plug), 120VAC piggyback plug, and 240VAC piggyback plug, 13 Amp models.

The VertiMAC™ pump switch is mounted in a vertical position to a pipe and is activated by the float upon a rising water level. As the water level rises, the float pushes the actuator rod upward which activates the mechanism inside the pump switch housing and turns the pump on. When the water level recedes, the float lowers the actuator rod downward which deactivates the mechanism inside the pump switch housing and turns the pump off. To adjust the pump differential, slide the rubber grommet up or down the actuator rod for the desired pumping range.

STANDARD FEATURES



(1) **VertiMAC™ Pump Switch Housing** - Magnetically activated switching mechanism encapsulated in epoxy to ensure a waterproof switch.

(2) **Actuator Pin** - Connects the actuator rod to the pump switch housing to ensure proper activation of the switching mechanism.

(3) **Actuator Rod** - Activates or deactivates the mechanism inside the pump switch housing as the float rises or lowers on the rod.

(4) **Float** - Slides up and down the actuator rod to turn the pump on and off.

(5) **Rubber Grommet** - Placed on the actuator rod at the determined location for desired pump differential.

(6) **Pipe Clamp Bracket** - Pre-installed, attaches to the pump switch housing and used to mount the VertiMAC™ pump switch to a pipe.

(7) **Stainless Steel Pipe Clamp (not shown)** - Attaches to the pipe clamp bracket and secures the VertiMAC™ pump switch to a pipe at the desired mounting location.

(8) **Pump Switch Power Cable** - SJTOW (UL/CSA), thermoplastic, 16 gauge, 2-conductor, flexible, and water/oil resistant. Available in 120/240VAC bare lead (no plug), 120VAC piggyback plug, and 240VAC piggyback plug, 13 Amp models.

(9) **QR Code** - Scan code which directs you to alderonind.com where additional information can be found for the VertiMAC™ pump switch.

SPECIFICATIONS

VertiMAC™ Pump Switch | VM-Series

Primary Voltage

120VAC or 240VAC, 60 Hz
(voltage depends on model/part number)

Electrical

13 Amps, 120VAC 0.5HP or 240VAC 1.0HP

Cable Type

SJTOW (UL/CSA), thermoplastic, 16 gauge,
2-conductor, flexible, and water/oil resistant

Connection Types

Bare Lead (no plug; 120/240VAC)
Piggyback Plug (120VAC or 240VAC)

Pumping Range

1.5 - 6.0 inches

Operating Temperature

0 - 140° F

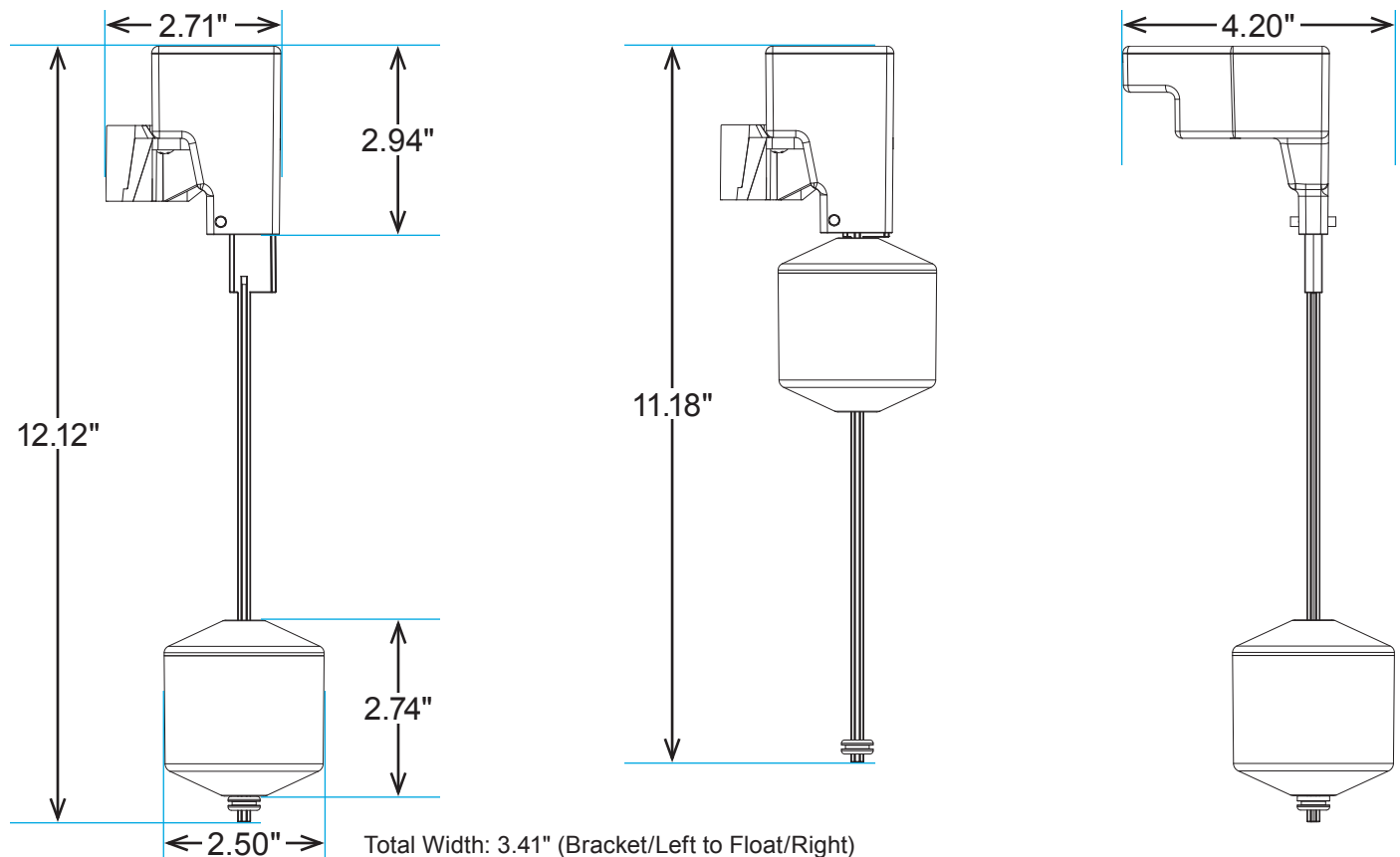
Certifications

CSA (US and Canada)

Three-Year Limited Warranty

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

MECHANICAL DRAWING



ORDERING INFORMATION

VM13PDT1WP20

1 2 3 4 5 6 7

NUMBER	CATEGORY	TYPE / EXAMPLE
1	Switch Series	VM = VertiMAC™
2	Amperage Rating	13 = 13 Amp, 16 AWG Cable
3	Mounting Method (switch attachment)	P = Pipe Clamp, Stainless Steel B = No Mounting Method (bulk)
4	Activation Type	D = Pump Down, Normally Open (NO)
5	Cable Type	T = Thermoplastic, SJT
6	Termination Type	WOP = 120/240VAC, Without Plug (bare lead) 1WP = 120VAC, Piggyback Plug 2WP = 240VAC, Piggyback Plug
7	Cable Length (feet)	20 = Cable Length in Feet (standard lengths: 10, 15, 20, 25, and 30; custom lengths available)