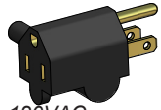


# Pump Switch FS13D-Series

**BOSHART  
INDUSTRIES**

13 Amp | 120/240VAC | Models: FS13D Series



120VAC  
piggyback plug



240VAC  
piggyback plug

## Specifications

Primary Voltage:	120VAC or 240VAC, 60 Hz (voltage depends on model/part number)
Amperage:	13 Amps, 120VAC 0.5HP or 240VAC 1.5HP
Float Housing:	Polypropylene
Housing Size:	3.0" (diameter) x 4.35" (length)
Cable Type:	SJOOW (UL/CSA), 16 gauge, 2-conductor, flexible, and water/oil resistant
Connection Types:	Piggyback Plug (120VAC or 240VAC)
Operating Temp:	0 - 140° F
Switching Differential:	90° (wide angle)
Switch Configuration:	Single Pole, Single Throw (Pump Down only)
Certifications:	CSA (US and Canada)

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

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## QUICK START GUIDE

## Safety Guidelines



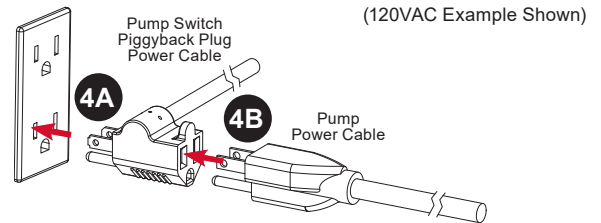
# WARNING

Before proceeding with the installation or operation of this product, read all instructions thoroughly, as well as complying with all federal, state and local codes, regulations, and practices. This product must be installed by qualified personnel familiar with all applicable local electrical and mechanical codes. Refer to the National Electrical Code (NFPA 70). Failure to properly install and test this product can result in personal injury or equipment malfunction.

## Connecting Power and Testing

### PIGGYBACK PLUG MODELS:

- 1) Plug the male end of the piggyback plug on the pump switch power cable into a standard wall outlet or power receptacle that matches the voltage of the pump switch (4A).
- 2) Plug the male end of the pump power cable into the female end of the piggyback plug on the pump switch power cable (4B).



### TESTING:

- 1) PUMP OFF - When the pump switch is deactivated, the pump should be off. (down position for normally open or up position for normally closed)
- 2) PUMP ON - When the pump switch is activated, the pump should be on. (up position for normally open or down position for normally closed)

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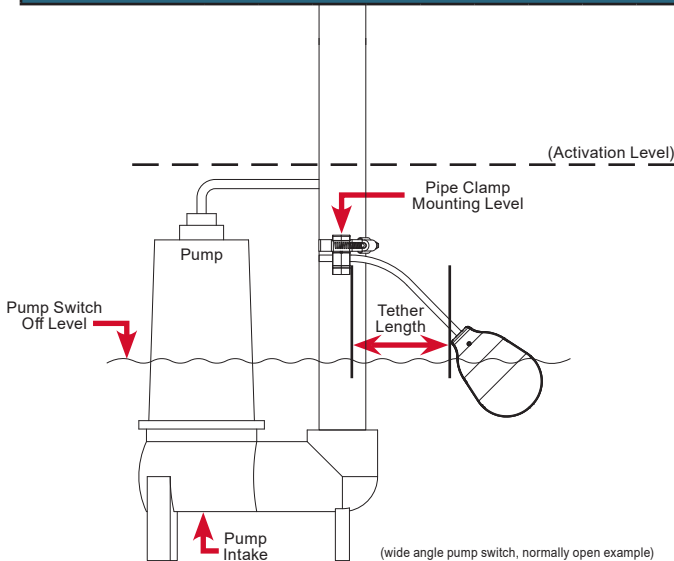
FS13D Pump Down Float Switches-Installation Guide | June 15, 2023 4:18 PM

## Tether Length and Activation Level

**CAUTION: USE AS GUIDE ONLY, ACTUAL RANGES MAY VARY**  
(Reference Only - Testing Must Be Performed for Actual Ranges)

Tether Length (inches)	3.5"	4.0"	6.0"	8.0"	10.0"	12.0"	16.0"	20.0"	24.0"
Pumping Range (inches)									
Wide Angle	7.0"	8.0"	9.5"	11.5"	13.0"	16.0"	18.0"	22.0"	26.0"

Pump Switches - MINIMUM Recommended Tether of 3.5"



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