

Rule Float Switch

Protect your investment with these high-quality automatic bilge pump float switches. Designed to automatically turn on your bilge pump when you can't.

- Snap switch tested to over 1,000,000 cycles @ 12 V
- Highly abrasion-resistant marine-grade blocked wire
- Exclusive moisture-tight seals
- Environmentally friendly mercury-free design.

Maximum Current Rating	
Voltage	Current
12V	14A
24V	7A
32V	n/a

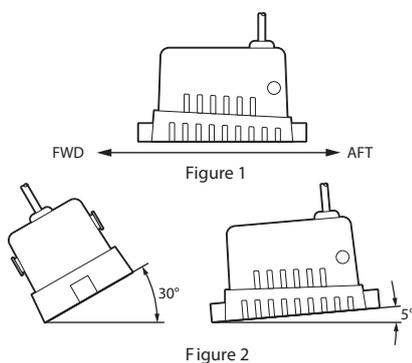
Installation Instructions

The float switch will turn the pump on when the water level reaches 2" (51 mm) and will turn the pump off when the water level falls to 3/4" (19 mm). They can also be used to operate high-water alarm systems.

This product must be fused with the correct recommended fuse size for the pump to which it is connected. Do NOT use these switches in applications where the pump is operating above the maximum current in the table above.

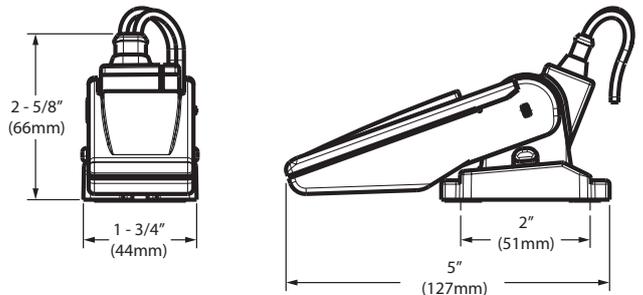
Mounting Instructions

For best operation, the Rule switch should be located on a flat surface in the bilge compartment. Do not exceed the installation angles as described in the diagrams below, as this will affect switch performance.



#0504190

Dimensional Drawing



It is important that the switch is mounted 1/4" (6 mm) above the bottom of the pump strainer. This will ensure a positive shut-off of the pump.

1. Position the switch parallel to the vessel's waterline with the wire exiting the switch toward the stern.
2. Unclip the switch base and attach the base to the surface using suitable stainless-steel screws. Re-clip the switch into the base (Figure 3).
3. Ensure there is free movement of the float.

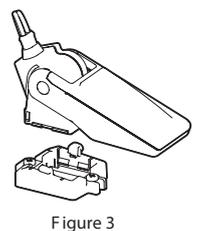


Figure 3

Electrical Installation

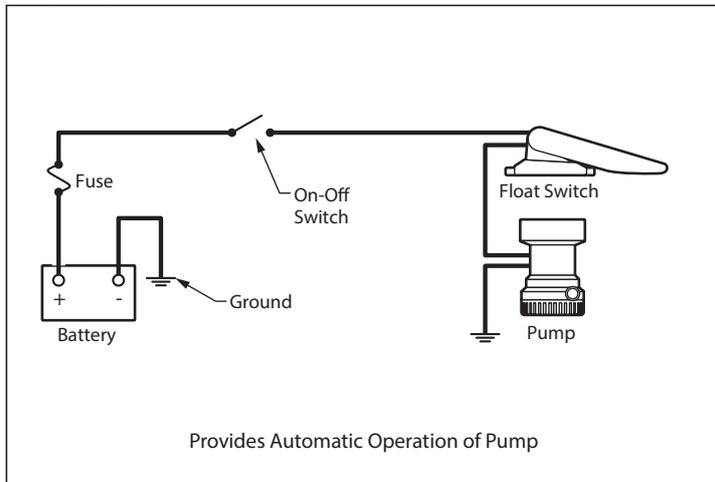
Wire the Rule switch as shown in the diagrams below. The positive (+) side of the battery should connect directly to the fuse. Adding a fuse will prevent damage to the pump and switch and protect the electrical wiring should an electrical problem occur. When adding additional wire up to 20 ft (6 m), the wire added should be the same size (gauge) or larger than the size of the wire leads coming directly from the pump. For installations requiring over 20 ft (6 m) of additional wire, the size of the added wire should be increased (e.g., if the pump is fitted with 14-gauge wire, the added wire should be increased to 12-gauge wire (2.05 mm)).

⚠ IMPORTANT

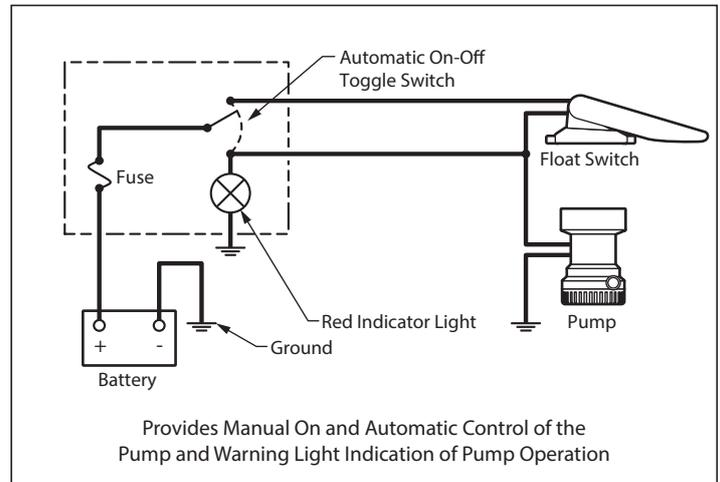
THIS PRODUCT SHOULD BE FUSED WITH THE RECOMMENDED FUSE SIZE FOR VOLTAGE OF THE SYSTEM!

Wiring Diagrams

Simple System



Best System



Operation

Rule float switches are designed to automatically turn the bilge pump on and off as required. If it is desired to lower the water level even further, the pump can be operated by a 3-way switch in the "manual" mode (see the diagram below for illustration). To test the operation of the float switch, lift the float mechanism, which will turn on the bilge pump.

Periodically clean any accumulated debris from around the switch. This will allow free flow of water to the float.

⚠ IMPORTANT

KEEP ALL WIRE CONNECTIONS ABOVE THE HIGHEST WATER LEVEL. WIRES SHOULD BE SEALED WITH A WATERPROOF MARINE SEALANT TO PREVENT WIRE CORROSION!