



Electronic Bilge Switch 12/24 V, Part number 01-66-036 Instruction Manual

The 12/24V Electronic Bilge Switch activates your bilge pump automatically when water exceeds the acceptable level and deactivates when the water level has receded. The Electronic Bilge Switch switches on the DC positive lead and can be used with PN 01-66-027, Bilge Pump Panel 3-way 12/24V, in combination with any bilge pump.

- For a fully automatic removal of your bilge water connect a switch to your electrical bilge pump
- Fully sealed without any moving parts
- Will not corrode and is not affected by oil or debris.

The Albinus Electronic Bilge Switch is rated to handle all submersible pumps up to 20 amps at 12 or 24 volts.

Caution

1. **Connect an inline fuse of the appropriate amperage (specified on the pump).**
2. **The Switch is designed for 12 VDC and 24 VDC operation only. Do not use any other voltages, do not use AC or AC-DC converted power sources.**
3. **Failure to use the appropriate fuse and connecting wires according to the instructions provided will void Warranty and may cause serious damage or personal injury**

Location

1. Mount the Switch in a vertical, upright position (the mounting holes towards the bottom of vessel) and near to the pump such that the water level is equal on both pump and the Switch
2. Do not mount the Switch directly to the hull of the boat. Use a mounting block of at least $\frac{3}{4}$ " thick marine plywood epoxied to the hull of the boat to fasten the switch.
3. The bottom of the Switch may be mounted higher, but never lower than the base of the pump.



Mounting

1. Mark pilot holes on the mounting block by using the Switch holes as a guide.
2. In order to avoid drilling through the hull of the vessel, set your drill to the appropriate depth for the pilot holes and drill the holes into the mounting block.
3. Fasten the Switch directly to the mounting block using stainless steel screws (not supplied).
4. Connect to your remote two-way or three-way control panel, with an inline fuse between the battery and the control panel.
5. The wiring connections should be made with water resistant, permanent terminals. Liquid electrical tape should be used to coat the terminals. The wiring connections must be well above the highest water level in the bilge.

Wiring

Figure 1 Wiring for 3-way Bilge Pump Panel with Electronic Bilge Switch

3-way Bilge Pump Panel (ON – OFF – AUTO)
albinus part no. 01-66-027 – 12V/24V

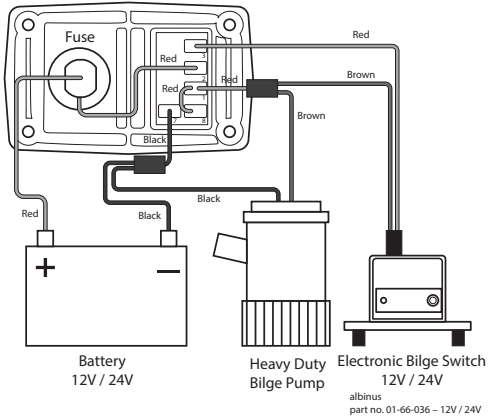


Figure 2 Wiring for 2-way Bilge Pump Panel with Electronic Bilge Switch

2-Way Switch (ON – OFF)

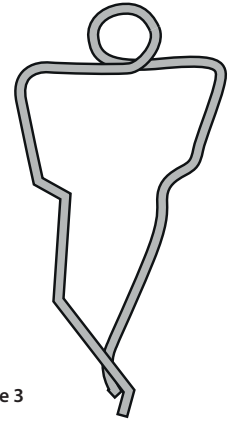
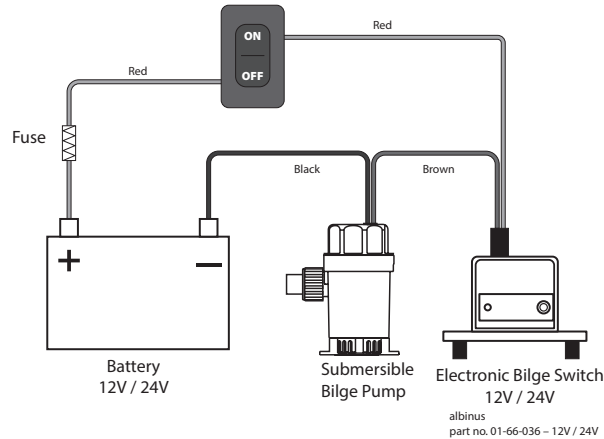


Figure 3

Operation of the Switch

1. After installation of the Switch is complete, hold the testing spring (figure 3, included) over the raised 3 metal areas of the Switch (figure 4) for approximately 5 seconds. If the wiring is correct the bilge pump will activate.
2. Make sure to test the Switch with water in the bilge of the vessel to re-affirm that the pump will turn on and off properly. If the bilge pump does not activate as required, a repositioning of the Switch may be necessary.

Trouble Shooting

Does not activate pump

- Check Wiring
- Check Fuse
- Check pump by connecting directly to battery

Pump Runs Continuously

- Check for reversed wiring
- Switch mounted below pump
- Clean the metal plates (figure 4)

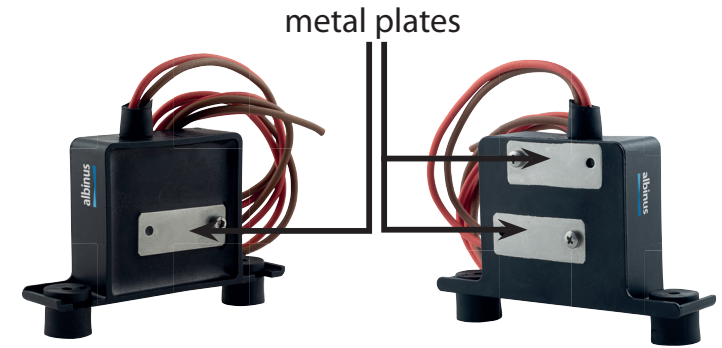


Figure 4

Maintenance

Your Switch will provide years of maintenance-free operation. In case of malfunction, make sure that the Switch is clear of any floating debris in the bilge. At all times keep all fuse and wire connections high and dry.

Waste handling & material recycling

At the product's end of life, please dispose of the product according to applicable law. Where applicable, please disassemble the product and recycle the parts according to material.



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