



**JIM MURRAY, INC.**

**Dependable Sump Pumps**

N116 W18455 Morse Drive • Germantown, Wisconsin 53022 • Phone: (262) 253-1353

---

## **FLOAT OPERATED TWO POLE SWITCH FOR UPRIGHT SUMP PUMP Model #AH-001**

### **SAFETY INFORMATION**

- Always unplug sump pump from its power source before handling, in order to reduce the risk of electrical shock.
- Installation and testing of electrical circuits should be performed by a qualified electrician.
- When reconnecting pump, connect plug only to a properly grounded grounding type receptacle.
- DO NOT plug sump pump in while you are standing in water or on a wet surface.

### **GENERAL INFORMATION**

- This switch will replace the original 2 pole or single pole switch used on 48K frame type upright sump pump motors. Some modification of the motor and switch leads may be required.

### **ELECTRICAL RATING**

1/3 hp and 1/2 hp; 10 amps C125 VAC  
5 amps @ 250 VAC U.L. Listed

### **INSTRUCTIONS**

#### **I. REPLACEMENT AND WIRING OF EXISTING 2 POLE SWITCH**

1. Unplug power cord, Remove pump from sump.
2. Remove the old switch and BEFORE removing any leads, identify if the leads from the motor to the switch are per Fig. 1 or Fig. 2.
3. Disconnect power cord from switch.
4. Wiring:
  - a. If wiring from motor to switch is per Fig. 2, replace directly.
  - b. If wiring from motor to switch is per Fig. 1, cut off the quick connects on both the motor leads and the switch leads. Strip the insulation back 3/8" on each lead. Using the enclosed wire nuts, tie one switch lead to one motor lead and secure with the wire nut. Repeat with other motor and switch lead.

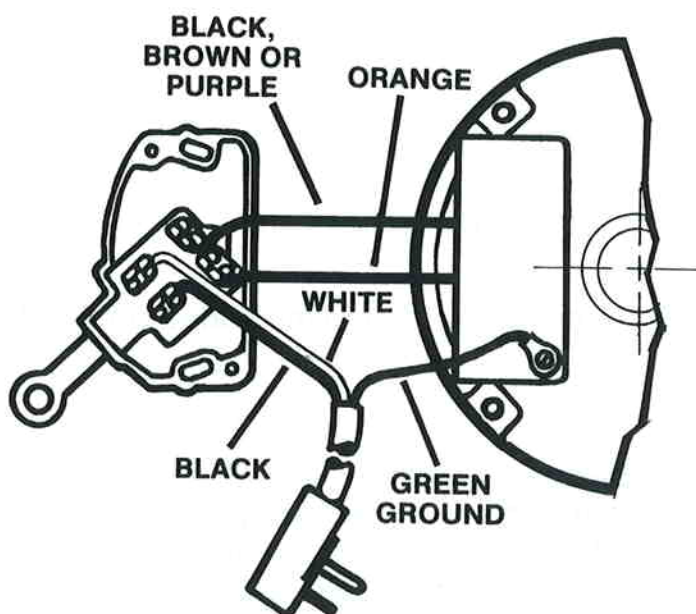
## INSTRUCTIONS (continued)

5. Connect the power cord to the two switch terminals.
6. Make sure the GREEN ground lead from the power cord is securely attached to the motor ground screw.
7. Place the power cord in the groove in the motor endshield. The switch will secure it in place.
8. Place switch on Motor, lining up the proper set of holes in the switch base with the holes in the motor endshield. Tighten switch to motor. Make sure no leads are pinched between switch and motor. If wired per 4b, make sure that the leads are in the wiring compartment.
9. Reinstall the rod and float and position the stop so that when the liquid rises in the sump, it pushes UP against the switch arm, turning on the motor. Check operation by filling sump with water.

### II. REPLACEMENT OF A SINGLE POLE SWITCH:

1. Remove the old switch from the motor. Note that one lead from the power cord goes to the switch, and the other lead goes to a motor terminal and a lead from the switch goes to a motor terminal.
2. Remove the power leads from the switch and the motor and connect to the replacement switch. Connect the 2 leads from the switch to the motor terminals identified in step A. The wiring should look like Fig. 2.
3. To complete installation refer to steps 6, 7, 8, and 9 in Part I.

**FIGURE 1: VIEW OF SWITCH WITH MOTOR LEADS TO SWITCH.**



**FIGURE 2: VIEW OF SWITCH WITH TWO LEADS TO MOTOR TERMINAL BOARD.**

