

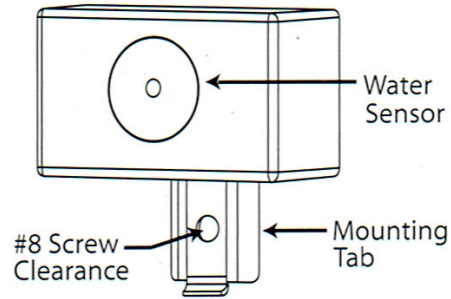
Water Witch #WW-248

Automatic Bilge Pump Switch- Model 101

Specifications:

Power Required:	12 Vdc
Power used:	.006 Amps.
Weight:	3.5 Ounces
Delay on:	6-8 Seconds
Delay off:	14-17 Seconds
Max load:	15 Amps.

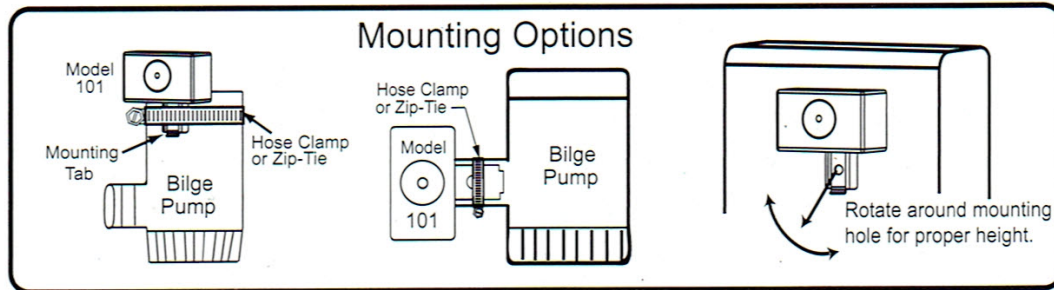
Every time power is applied to the switch, the pump runs for several seconds in a self calibrate mode.



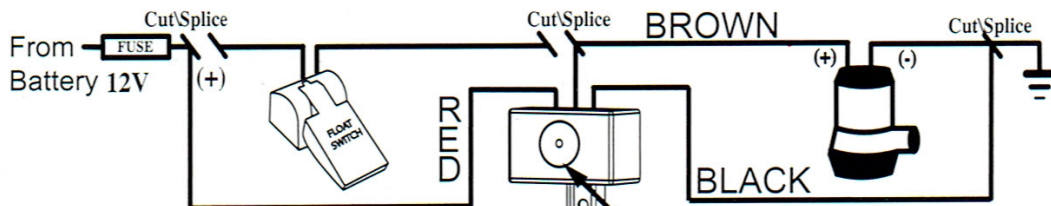
Warning: Connecting the brown wire to ground will damage the switch.

Installation Instructions:

- Confirm float is on the positive (+) side of the pump.
 - Voltage less than 8 Vdc may cause erratic or unreliable operation.
1. Disconnect Battery
 2. Select a mounting location for the Water Witch. The sensor must be above standing water (residual bilge water) generally 1" above the bottom of the pump.



3. From the Water Witch connect wires as follows:
 - Connect the Brown wire to positive (+) lead on bilge pump.
 - Connect the Black wire to a battery (-) or common ground.
 - Finally connect the Red wire to a fused positive battery source.All connections should be sealed and water tight.
4. Reconnect the battery and the bilge pump should run for several seconds while the switch self-calibrates.
5. **Test-** Test the Water Witch by placing a wet rag across the sensor and the metal mounting tab for the eight seconds.



* Keep connections high and dry. Mount 1" above standing water.

Maintenance:

The Water Witch requires little maintenance other than periodic cleaning of the sensor. Ordinarily this consists of wiping it off with a clean rag or towel. Some high foaming detergents can delay or prolong cycle times. Check electrical connections for corrosion.