

Installation Instructions Maretron BHW100 Bilge High Water Detector

Instructions

Please follow these instructions to connect the BHW100 to the NMEA 2000 network via a Maretron SIM100 Switch Indicator Module. The wiring diagram appears in Figure 1 below. The diagram shows a connection to channel #1, but connections to other channels are similar.

1. The BHW100 cable contains one blue and one brown wire. Connect the brown wire to the appropriate SWxA terminal on the SIM100 as shown in Figure 1 below.
2. Connect the blue wire to the appropriate SWxB terminal on the SIM100 as shown in Figure 1 below.
3. Use a DSM250 (firmware 1.3.5 or greater) or other Maretron display product capable of configuring the SIM100 to set the Configure the "Channel #x Mode" to "End of Line Resistor".
4. With the BHW100 out of water, supply power to the NMEA 2000 network and verify that the switch channel indicates the "off" (normal) state using N2KView or N2KAnalyzer.
5. Immerse the BHW100 in water and verify that the switch channel indicates an "on" (alarm) state using N2KView or N2KAnalyzer during the test.
6. Disconnect one of the alarm wires from the SIM100 and verify that the switch channel indicates an "error" state. Reconnect the wire after the test.
7. Install the BHW100 to the side of the bilge so that the molded-in "target" on the side of the unit is visible, so that the center of the target is at the height of the water level at which you want the bilge water alarm to occur.

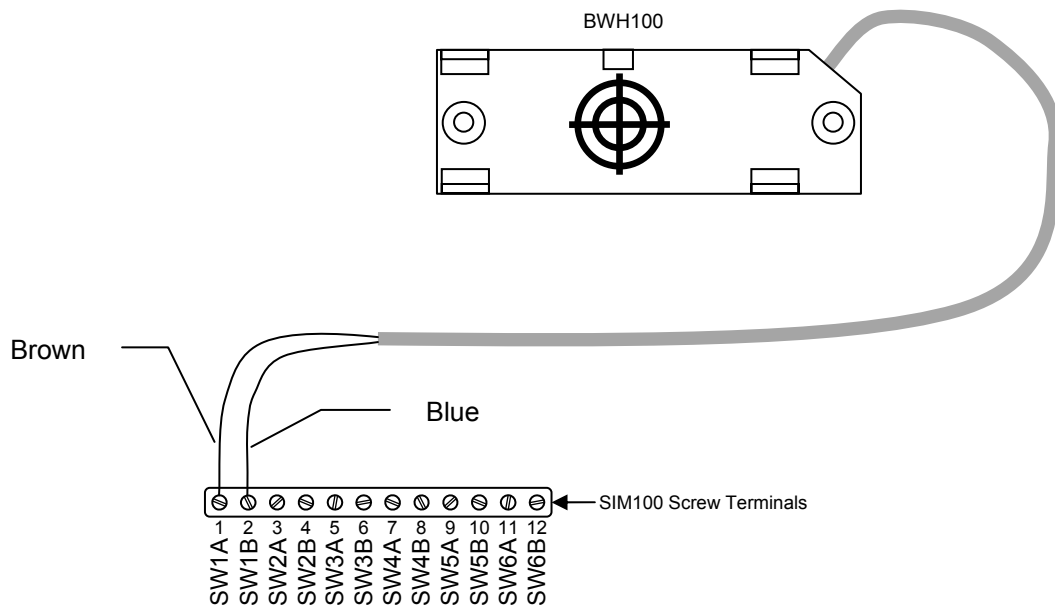


Figure 1 – Wiring Diagram

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