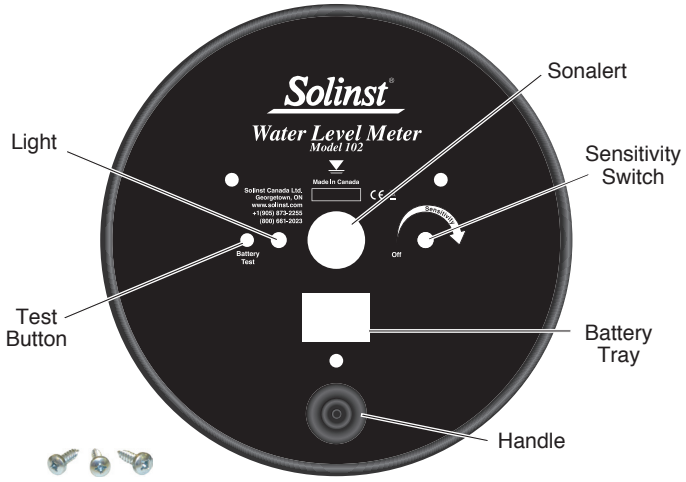
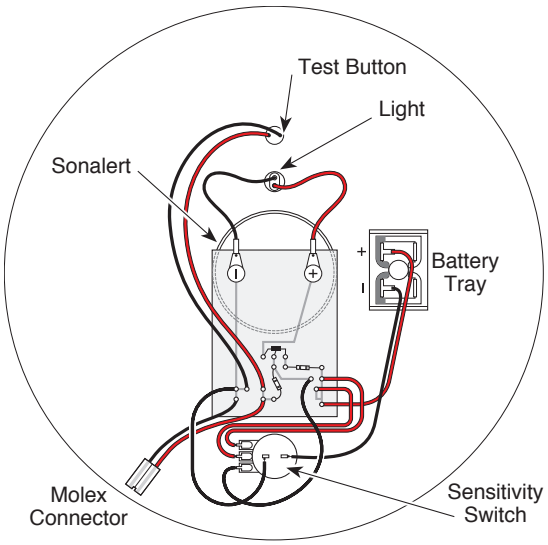
Tools and Materials Needed

1. Required Replacement Assembly
   - Faceplate and Handle (without electronics) (#104251)
2. Phillips or Robertson (Square Head) Screwdriver
3. Small Flat Screwdriver
4. Needle Nose Pliers
5. Wire Strippers and Cutters
6. Soldering Iron and Wire



102 Replacement Faceplate Assembly indicating the location of the components (comes with Handle Assembly attached and 3 Phillips screws)



Back of 102 Faceplate showing wiring connections and the location of the components

Instructions

1. Place the reel on a flat surface, with the faceplate up. Remove the battery from the Meter.
2. Use the Phillips or Robertson screwdriver to undo the three screws holding the faceplate to the hub.
3. Remove the faceplate and disconnect the Molex connector that attaches the faceplate electronics to the cable.
4. Unscrew the test button and push it out of the faceplate.
5. Remove the two screws which connect the wires to the circuit board (watch for proper polarity). Push the light out of the faceplate.
6. Use the small flat screwdriver to unscrew the small brass screw on the side of the sensitivity knob. Remove the sensitivity knob. Use the pliers to unscrew the nut holding the sensitivity switch and remove the switch from the faceplate.
7. Use the Phillips screwdriver to undo the two screws holding the battery tray to the faceplate. Cut the red and black wires from the back of the battery tray close to the terminals (other end of black wire is connected to the sensitivity switch, and red wire connects to the circuit board). Remove the battery tray. Strip the wires about 1/4" (6 mm).
8. Unscrew the Sonalert retaining ring from the front of the faceplate and remove the Sonalert.
9. Put the Sonalert through the new faceplate, and secure it using the retaining ring.
10. Replace the sensitivity switch, light, and test button in the new faceplate.
11. Reconnect the two wires, from the light, using the two screws through the circuit board and onto the Sonalert.
12. Insert the battery tray through the new faceplate. Re-solder the red and black wires to the correct terminals labeled on the back of the battery tray. Red wire from the circuit board to the positive terminal and black wire from sensitivity switch to the negative terminal. Use the two screws to secure the tray to the faceplate.
13. Connect the Molex connector from the faceplate to the cable.
14. Replace the battery. With the Probe in a glass of tap water, turn the Water Level Meter to the 'ON' position. If the connections are correct the buzzer and light will activate. If the buzzer or light do not activate, check the polarity of the battery and Molex connector, and the soldered connections.
15. Screw the new faceplate to the reel using the new Phillips screws.

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