

850-WSP Water Sensor Probe **BOSHART**

OPERATION, MAINTENANCE AND INSTALLATION MANUAL

BOSHART
INDUSTRIES

Part Number 850-WSP (15') (4.572 M) Model 7009

CAUTION:

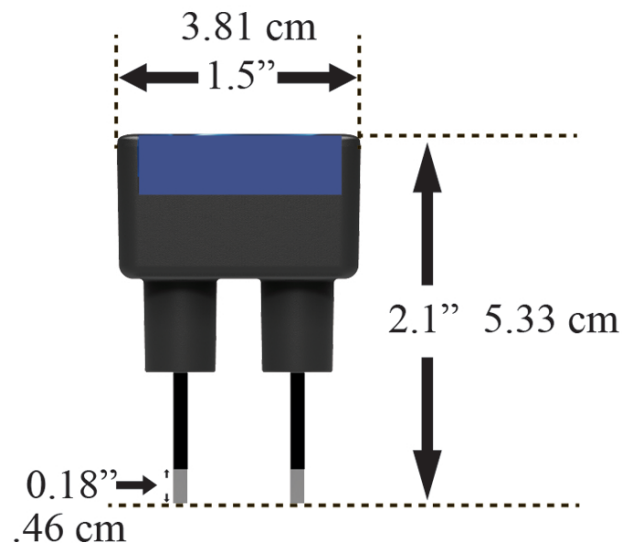
Disconnect power before servicing. Read instructions thoroughly.
Check local codes and install to meet requirements

Patent #6,683,535
& others pending



SPECIFICATIONS

MECHANICAL



ELECTRICAL

Voltage: 9-12VDC

Operating Current: 3 ma

Switching Current: 500 ma Maximum

MODEL NUMBER NOMENCLATURE

Standard Part number 7009 (MODEL NUMBER 850-WSP) - comes with 15' (4.572 M) of cable. For extra cord length please contact Boshart.

DESCRIPTION OF OPERATION & MAINTENANCE

The Water Sensor probe is a reliable water detection sensor that can be used in a wide variety of applications such as: sumps, water tanks and drain pans.

The solid state circuitry is encapsulated in epoxy making the unit waterproof and tamperproof. The probes are stainless steel and will not rust. Works excellent even with distilled and condensate water.

When connected to the ALARM PANEL and when water bridges the probes, the ALARM PANEL activates the buzzer and flashing alarm light. Auxiliary contacts can be utilized to annunciate the alarm or wired into a control circuit that will shut the machine off to prevent further water leakage. Connect as many Water Sensors or floats to the ALARM PANEL as needed for zone area protection.

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DESCRIPTION OF OPERATION & MAINTENANCE CONTINUED

1. Disconnect Power. Determine location for water detection. See Figure 1
2. Install the ALARM PANEL per Installation Instruction for the ALARM PANEL.
3. Secure the sensor to the discharge pipe at the desired alarm level (the alarm level will be when the liquid touches the metal at the bottom of the probes). See Figure 5. Note: Use a tie strap to further secure the cable to the discharge.
4. Connect the Water Sensor Probe to the ALARM. CAUTION! - Red wire must be connected to the "C" terminal and the Black wire must be connected to terminal 2. See Figure 2. Note: If a float switch is added use "C" and "1"
5. Test product weekly. For the ALARM PANEL, make sure the green "Normal" light is "on". Press the "Test" switch, the red alarm light and buzzer should turn "on". If the battery backup system is utilized, unplug the wall mount power supply (the green light will be off). Now press the "test" switch, the red alarm light and buzzer will turn "on". If the buzzer sounds less loud than when tested with the normal power supply, then replace the battery. Refer to instructions on installing/replacing the battery on page 2 of the ALARM PANEL installation Instruction. Reconnect power supply when finished to put the ALARM PANEL back into service. Test the Water Sensor Probe by immersing the probes in water or place a wet rag or sponge across the probes. The ALARM PANEL should activate. Completely wipe and dry probes before putting unit back into service. See Figure 3.

FIGURE 1

Typical application shown for water detection sump basin

Water Sensor Probe
Water Detector



FIGURE 4

Mounting option

1. Mount to discharge pipe using the included straps

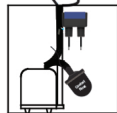


FIGURE 2

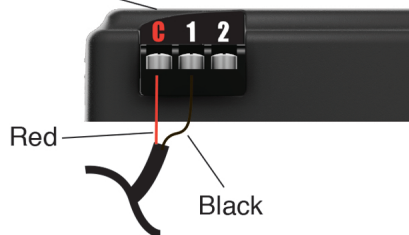


FIGURE 5

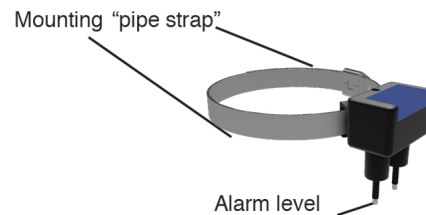
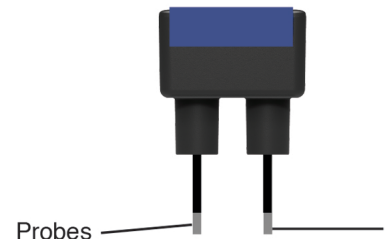
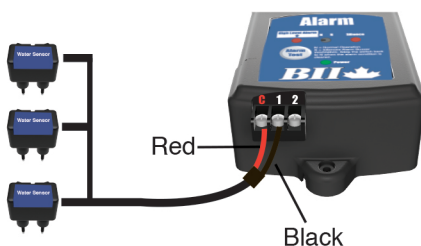


FIGURE 3



SUMP BASIN

Multiple Water Sensor Probes can be connected for zone protection.



The ALARM PANEL is able to monitor different areas using multiple sensors such as float switch and Water Sensor Probe simultaneously

