

850-WSF Water Sensor

BOSHART
INDUSTRIES

OPERATION, MAINTENANCE AND INSTALLATION MANUAL

Part Number 850-WSF (15') (4.572 M) Model 7008

CAUTION:

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

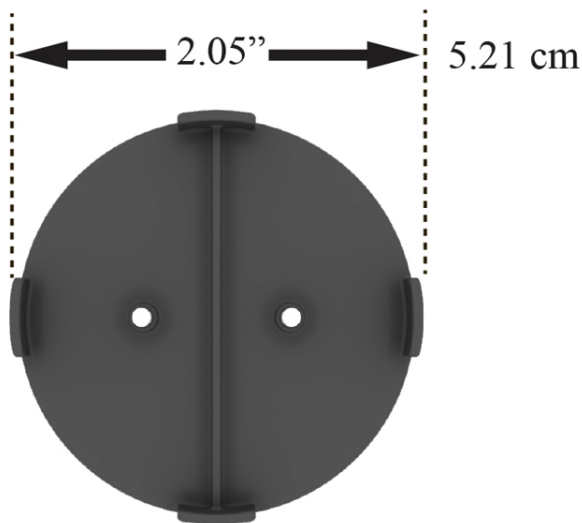


Patent #6,683,535
& others pending

PART NUMBER 7008 (15')

SPECIFICATIONS

MECHANICAL



ELECTRICAL

Voltage: 9-12VDC

Operating Current: 3 ma

Switching Current: 500 ma Maximum

MODEL NUMBER NOMENCLATURE

Standard Part number 7008 (MODEL NUMBER 850-WSF) - comes with 15' (4.572 M) of cable. for extra cord length please contact Boshart.

DESCRIPTION OF OPERATION & MAINTENANCE

The Water Sensor is a reliable lead detection sensor that can be used in a wide variety of applications such as: computer rooms, basements, sumps, air conditioner condensate run over, water heaters, utility rooms, and many more applications.

The solid state circuitry is encapsulated in epoxy making the unit waterproof and tamper proof. The probes are stainless steel and will not rust. It also works with distilled and condensate water.

When connected to the ALARM PANEL, a thin film of water will activate the ALARM PANEL activating 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 multiple Boshart sensors for zone area protection.

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DESCRIPTION OF OPERATION & MAINTENANCE CONTINUED

1. Disconnect Power. Determine location for leak detection. See Figure 1
2. Install the Boshart ALARM PANEL per Installation Instruction for the ALARM PANEL.
3. Connect the Water Sensor to the ALARM PANEL. CAUTION!! – Red wire must be connected to the “C” terminal and black wire must be connected to the “2” terminal. See Figure 2. Note: If a float switch is added use “C” and “1”
4. Place the Water Sensor at the desired location.
5. In the event of water detection, completely wipe off probes before putting back into service.
6. 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 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 leak detection on Air Handler Unit

FIGURE 4

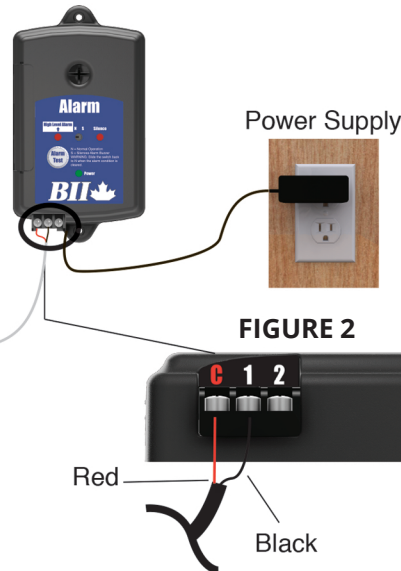
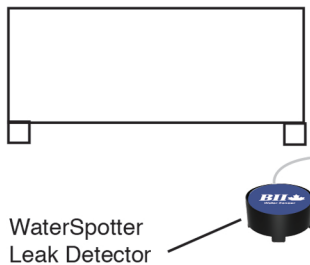
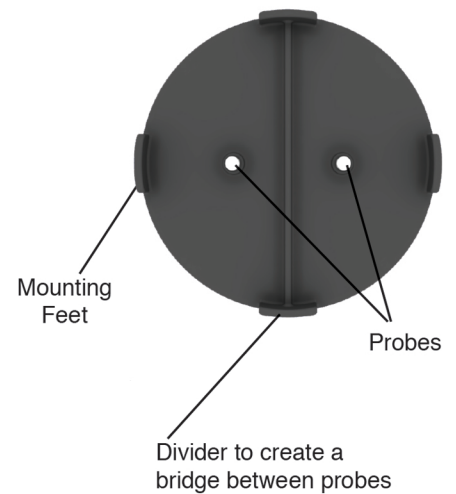
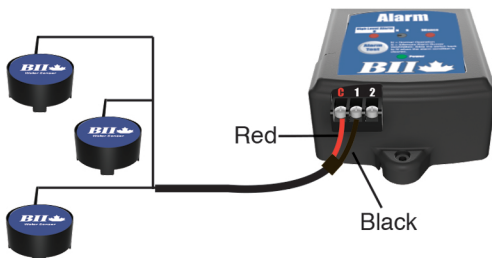


FIGURE 3



Multiple Water Sensors can be connected for zone protection.



The ALARM PANEL is able to monitor multiple sensors such as float switch and Water Sensor Simultaneously.

