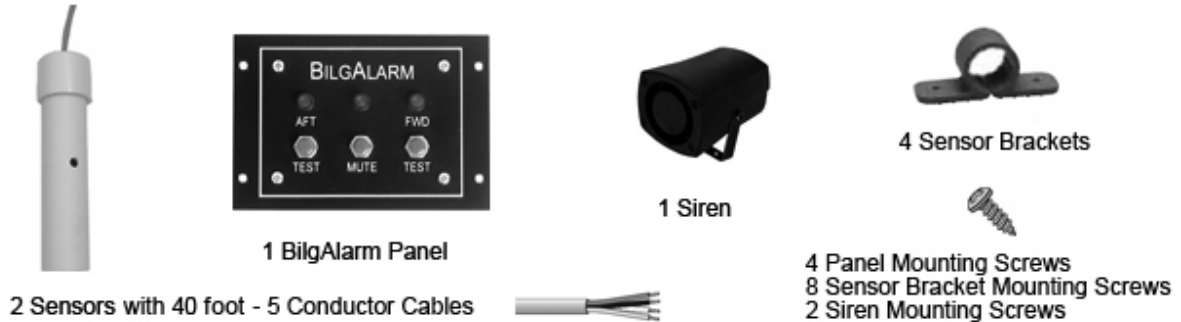


Installation Instructions

2 Sensor BilgAlarm™ System Model No. BA2R-5W

The following parts are enclosed:



*The most common installation screws are included. Since each installation is different and may require different types and lengths of wood screws, machine screws, washers, lock washers, and nuts, please purchase the screws that are applicable for your installation at your local marine store. Stainless steel screws are recommended.

STEP 1

Mount Control Panel, Sensors, and Siren

Control Panel

Carefully cut a rectangular hole (width) 3 3/4" X (height) 2 3/4" to mount the BilgAlarm™ Control Panel. Inspect carefully behind where you intend to cut to avoid damage to other equipment and provide adequate room for installation of the BilgAlarm™ Control Panel and wiring. Do not cut the hole larger than 3 3/4" X 2 3/4". Secure the BilgAlarm™ Control Panel with 4 screws after electrical connections have been made.

Sensors

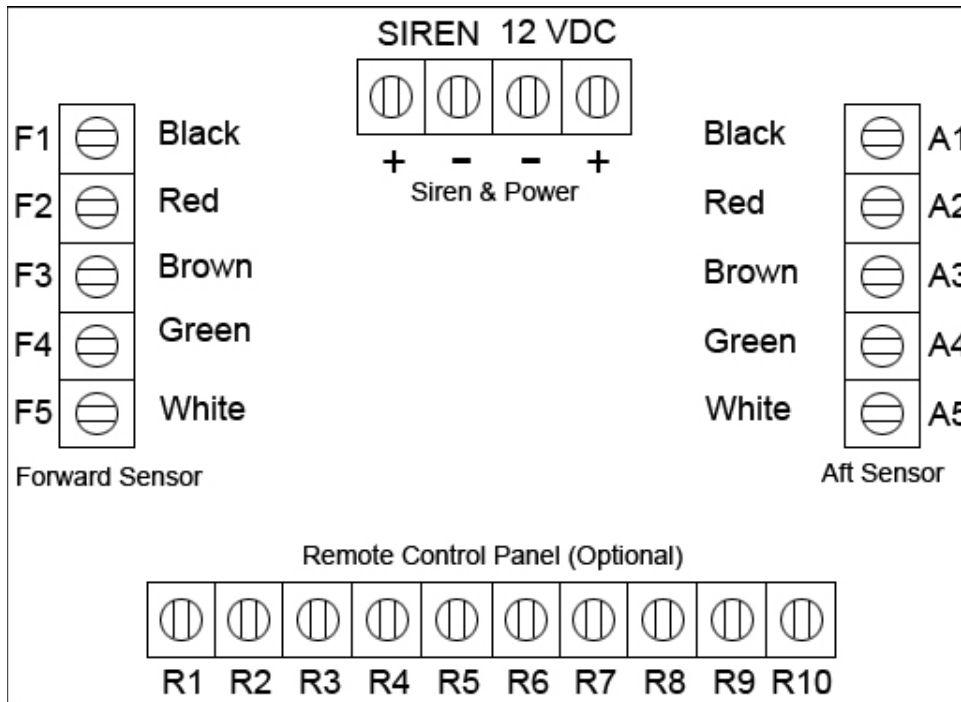
BilgAlarm™ Sensors are placed where water collects, which is usually where the bilge pumps are located. Place a BilgAlarm™ Sensor 2 to 3 inches above the bilge water level at which the bilge pump normally turns on. Should the pump not turn on or is unable to handle the volume of water coming in, the BilgAlarm™ system will sound an early warning alarm. Repeat installation of the second BilgAlarm™ Sensor and run sensor leads back to the BilgAlarm™ Control Panel. Special mounting brackets and screws are provided for attaching the sensors.

Siren

Mount the warning siren near the control panel in an unobstructed location. Run the leads back to the BilgAlarm™ Control Panel.

STEP 2

Wire Sensors, Siren to the Control Panel



Sensors

Attach the five leads of each sensor to the appropriate sensor terminal strip. The terminals marked F1 – F5 are for the forward sensor and the terminals marked A1 – A5 are for the aft sensor. Be sure to put the proper color wire in the proper terminal strip hole. Tighten securely, but do not over tighten.

Siren

Attach the two leads of the siren to the control module paying attention to polarity. Be sure to connect the red and black wires correctly. Tighten securely, but do not over tighten.

Red +
Black -

Remote Control Panel (Optional)

Your system comes pre-wired for an optional BilgAlarm™ Remote Control Panel. This full featured remote control panel is typically installed in the master stateroom or captain's quarters and has its own audible device, usually a beeper or second siren.

STEP 3

Connecting Power to the Control Panel & Testing System

Attach power leads (12VDC)

Attach the power leads to the control module paying attention to polarity. See diagram above.

Test your system

Test your system now by depressing the test button(s) and pressing the mute button. To reset the mute condition, just release the test button and the alarm is reset. You can also test your system by putting a cup of water under the sensor or just placing a wet rag across the sensor electrodes.

This completes the installation of your new BilgAlarm™ Early Warning System.

To the Installer:

Below is some additional information you may find useful:

Sensors

Each sensor comes with a 40 foot cable. You may shorten it. If you would prefer a longer length, please contact our office. For reliability and longevity of the system, please don't make splices in the sensor cables, especially within the bilge area.

Splicing Wire

If splicing of any wires is needed, it's best to take the time and solder the splices and then heat shrink wrap the connections or use specialized water-proof type connectors, or heat shrink crimp connectors.

Remote Panel System - Optional

You must first install a "2 Sensor BilgAlarm™ System" before installing a remote panel system. Use these instructions to install the "2 Sensor BilgAlarm™ System" and use the instructions included with the remote panel system to add it to this system.

Sensor Installation

Sometimes it's easier to add a pull line through a span that's hard to run cables/wires. A pull line is a line that's twice as long as the span, so you can pull wires in either direction without losing the ends of the line. Secure the ends of the line so they can't be pulled through accidentally. When the task is accomplished, leave the line for the next cable pull. (Nylon clothesline works well)