BIGLE ALARMS

Electronic panel for water, gas and smoke alarms

. . . no more surprises

Operating modes

The panel has three positions, two for work, Auto and Manual for the bilge pump and another for shutdown of the entire panel.

1 - In Automatic mode, the bilge pump will automatically connect as soon as the sensor detects water for 20 continuous seconds, to discard false alarms, and it will disconnect after 30 seconds without detecting water. These times are adjustable.
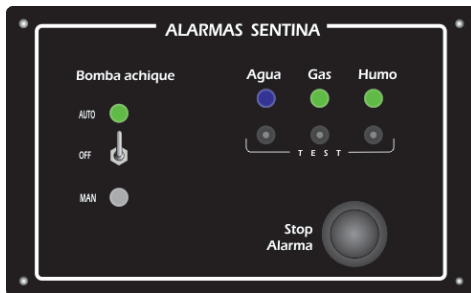The Water Led will turn Blue as soon as water is detected and the Auto Led will turn Red as soon as the pump starts working and will turn green as soon as it is disconnected.
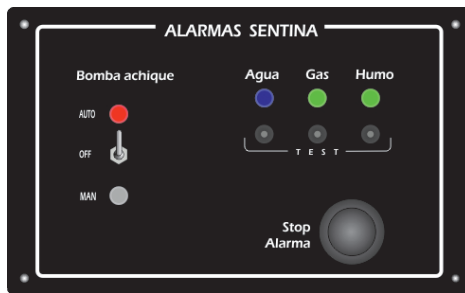
Red Water Alarm **(Flood alarm)**

In the event that the water level rises despite the pump being activated, the acoustic alarm will be triggered and the "WATER" Led will change to Red. This acoustic alarm has an auxiliary output to activate any other external warning system such as horn, deck lights, etc.
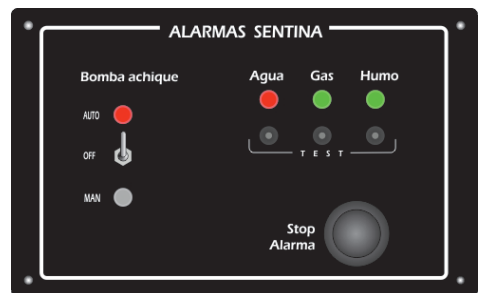

Panel activated in Auto mode, all green, all ok.

1- Water in bilge,
    Waiting 20s. so that it is not a false alarm

2- Activated bilge pump
    The alarm is real, the pump is activated

3- Flood Alarm
    The water level has risen. Alarm is activated flood acoustics

2 - In manual mode the bilge pump works constantly regardless of the water level.
The Manual mode LED would be in Red and the Auto LED would also indicate that the pump is working.

Gas and Smoke Alarms

When gas and smoke alarms are connected, the pilots will be green and if any of the sensors detect gas or smoke, these will change to Red and the acoustic alarm will be triggered.

The acoustic alarm can be silenced manually, although it will reactivate if another alarm is activated later.
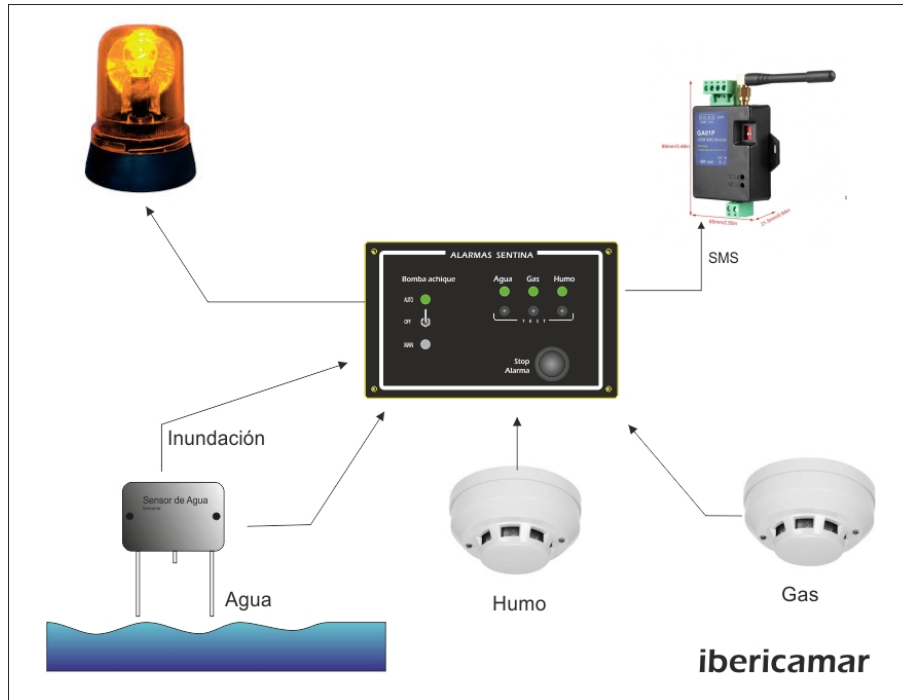
Alarm Test
Each alarm has its own test.
When pressing the test, the alarm will sound and the corresponding Led will turn Red, this will indicate that the acoustic alarm for this alarm works and the sensor is connected.

Panel in Manual mode, Pump working

BIGLE ALARMS- General diagram

Characteristics:

Dimensions: 125 x 77 mm Power
supply: 12 and 24v versions
Pump output: 15A Max with automatic reset fuse External
alarm output: 1A
Consumption: 0.6W
Water sensor input: 1 (Several can be coupled in parallel)
Smoke sensor input: 1 (Several can be coupled in parallel)
Gas sensor input: 1 (Several can be coupled in parallel)
Sensor power supply by the panel itself with or no shutdown control Start-up
delay time setting
Stop delay time setting.
Panel made of stainless steel.
Quick plug-in connection
Sensitivity adjustment of the water sensor for environments with a very high level of humidity saturation.
Normally there is no need to readjust it.

Basic kit and Sensors:

The basic kit is supplied with the central unit (Bilge Alarm Panel) + Water and flood sensor, for fixing in the 6 m bilge. of cable. This sensor is electronic and has no mechanical parts. It can be fixed with screws or with Sika type polyurethane adhesive for submerged installations.
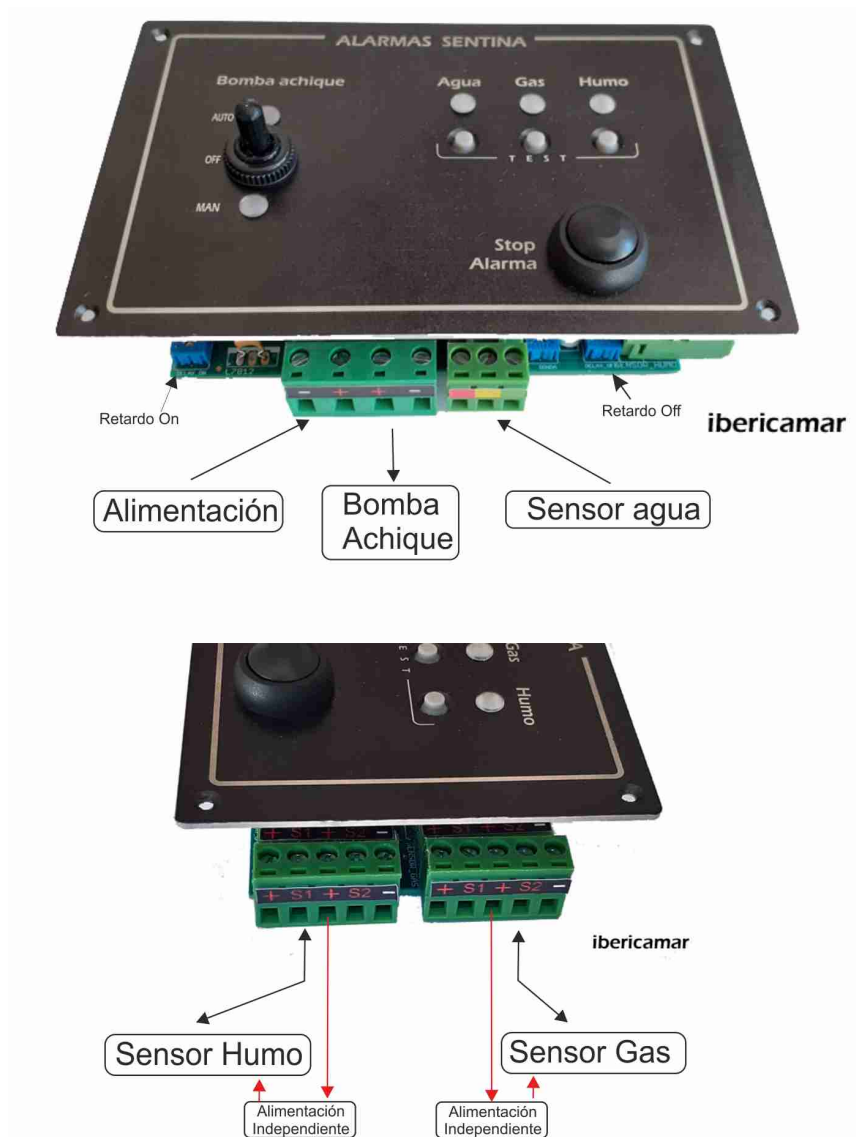The smoke and gas sensors are standard and it is possible to use another one already installed that has a NO output.

The connection between the smoke and gas sensors to the panel is made using a 5-wire cable not supplied in the basic kit.

External connections

The panel has 4 plug-in connectors to connect the general power supply and bilge pump, the water sensor and the smoke and gas sensors.

The smoke and gas sensors can be powered in two ways, through the panel or independently, depending on whether it is connected to the + terminal in the center, or to the left.

By default, the + terminal is connected through the panel. When the pump is turned off, the sensors are disconnected. If you want them to continue connected, their power + must be connected to the + terminal of the independent power supply..

The external alarm connection can be connected to any visual or acoustic alarm system, additional bilge pump, etc. and remote calls via SMS, the latter can send us a call or a message to one or several mobile phones in case there is an alarm or that the SMS system's own battery is low (See accessories).

Given the many possibilities of adaptation to each particular case, Ibericamar has a free technical advice telephone and email service to inform you adequately and help you adapt it to your specific needs.