

# **PRODUCT DESCRIPTION FOR THE ABSENCE OF WATER DETECTOR GRI 2808**

## **APPLICATION:**

The G.R.I. 2808 Absence of Water Detector is targeted for monitoring a fluid level height. This submersible fully self-contained sensor can safely and reliably sense and respond to the absence of, or the presence of a non-volatile liquid in a wide range of environmental conditions.

## **DESCRIPTION:**

The G.R.I. 2808 Absence of Water Detector is a micro-processor-controlled device. The sensor produces a one second signal between two stainless steel probes once every 2.5 minutes. Depending on the conductivity measured between the two probes, a set of internal relay contacts will be latched in an open or closed position.

External wire connections are provided for control interface. Connection to a communication device such as a wireless transmitter or a signal processor will allow the 2808 to be used as a “set and forget it” liquid sensor.

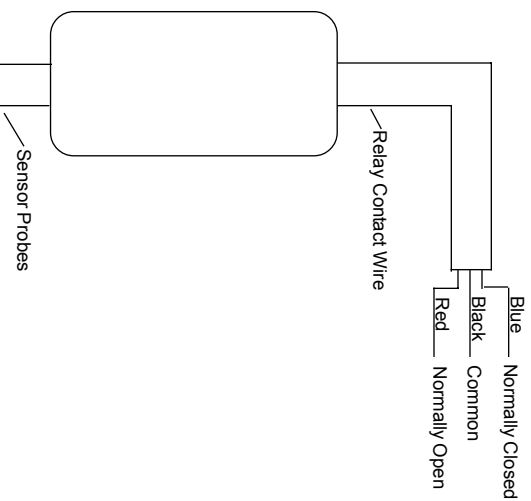
## **INSTALLATION INSTRUCTIONS**

### **INSTALLING THE G.R.I. 2808:**

The G.R.I. 2808 Absence of Water Detector is installed by mounting the unit so that sensor probes are located at the desired fluid level position. Insertion of the 2808 into the liquid will confirm that mounting point as the **minimum** liquid level height. Mounting the 2808 above and out of the liquid will confirm that mounting point as the **maximum** liquid level height. With a sampling rate set at once every 2.5 minutes a latching C form relay output will set upon first initial sampling after mounting, and maintain that set during subsequent samplings, up to

and until a change in status occurs. At that time, the C form relay will reset, signaling that change. The device is secured in place using the provided plastic strap. Connections to the relay control wires are made using a suitable wire connector. Note: Watertight connectors may be needed if connector location will be submerged.

These detectors should be inspected and tested annually. If there is any damage the detector should be replaced.

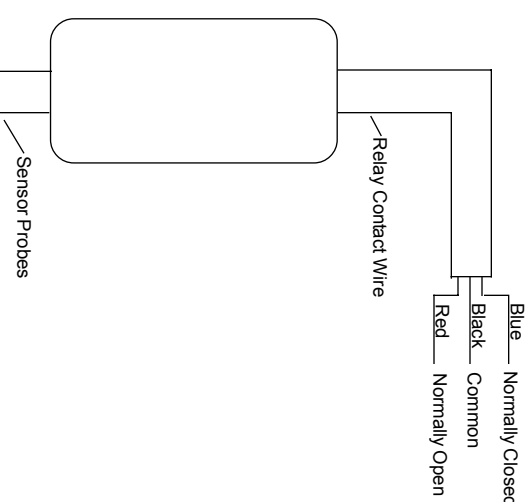


**SPECIFICATIONS:**

- Operating Temperature: 0° C - 70° C
- Sample Rate: 24 Per Hour (Once Every 2.5 Minutes)
- Contact Rating:*
- Nominal Switching Capacity: 2A @ 30VDC
- Maximum Switching Power: 60W
- Maximum Switching Voltage: 220VDC
- Maximum Switching Current: 2A

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