

## 2650 24 Volt AC Water Sensor

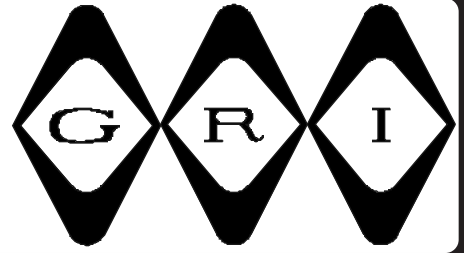


2650 24 Volt AC Water  
Sensor

- Will Detect Any Conductive Non-Flammable Liquid
- Ideal Anywhere Liquid Detection Is Required
- Automatic Reset
- Available In Gray Only
- 6 Foot Jacketed Lead Standard
- Custom Lead Lengths Available
- 24 Volt AC Sensor

Using no mechanical parts, the GRI Sensors are triggered by a moisture bridge across the sensor contacts. The GRI Sensor can be installed to detect a layer of liquid as minute as 1/16 of an inch in depth.

# FLUID SENSOR WITH RELAY CONTACT



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  - ◆ Automatic Reset
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2650

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These Sensors use an external power source to energize a built-in relay contact (battery power is not recommended). Used in an active S.P.D.T. configuration, an alarm condition will occur when moisture is detected, power to the sensor is lost or if the sensor should fail. The relay output can be wired directly to a control panel or can be used to actuate an external device, i.e. transmitter, annunciator, etc., and can be used to monitor evaporative air conditioners, drip pans, overflows and/or drains.

**PART NUMBER:**

2650

**Configuration**

S.P.D.T. 24 Volts AC Circuit

GEORGE RISK INDUSTRIES, INC.  
GR.I. PLAZA  
KIMBALL, NE 69145



MADE IN U.S.A.

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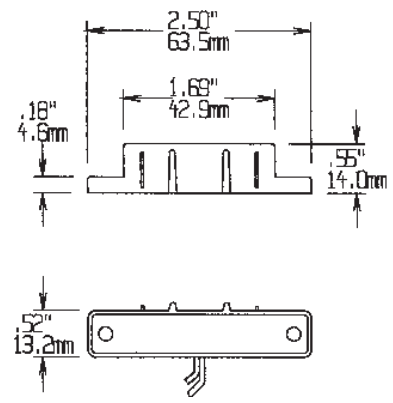


# FLUID SENSOR WITH RELAY CONTACT

**INSTALLATION NOTES:**

**G.R.I. 2650:** The 2650 is used to detect the presence of fluid and to provide a relay output for signal or control of an external device. The switch operates on 24 Volts AC and functions as a Normally Open or Normally Closed Sensor. The Red and Black wires power the switch while the Brown, White and Green wires are the relay output wires.

After installation these units should be tested with a damp sponge or paper towel and inspected annually. If there is any corrosion or damage the sensor should be replaced.



**2650**

**2650 OPEN LOOP SPECIFICATIONS:**

<b>Power Requirements:</b>	
Operating Voltage	24 Volts AC
Operating Current	12 mA
<b>Wire Contacts:</b>	
Red Wire	24 V AC
Black Wire	24 V AC
Green Wire	N.C. } C Form C } Relay Contact N.O }
White Wire	
Brown Wire	
<b>Contact Characteristics:</b>	
Initial Contact Resistance, max.	100 mΩ
Nominal Switching Capacity (resistive load)	1 A 30 V DC 0.3 A 125 V AC
Max, Switching Power (resistive load)	30 W, 37.5 V A
Max, Switching Voltage	110 V DC, 125 V AC
Max, Switching Current	1 A

**WARRANTY:**

One year warranty against workmanship, material and factory defects.

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## 2650 INSTALLATION INSTRUCTIONS

The 2650 is used to detect the presence of water and to provide a relay output for signal or control of an external device. The switch operates on 24 Volts AC and functions as a Normally Open or Normally Closed Sensor. The Red and Black wires power the switch while the Brown, White and Green wires are the relay output wires.

After installation these units should be tested with water and inspected annually. If there is any corrosion or damage the sensor should be replaced.

### SPECIFICATIONS

**Power Requirements:**  
Operating Voltage 24 Volts AC  
Operating Current 12 mA

**Wire Connections:**  
Red 24 V AC  
Black 24 V AC  
Green C Form  
White Relay Output  
Brown N.O.

**Contact Characteristics:**  
Initial Contact Resistance, max. 100 mΩ  
Nominal Switching Capacity (resistive load) 1 A 30 V DC  
Max. Switching Power (resistive load) 0.3 A 125 V AC  
Max. Switching Voltage (resistive load) 30 W, 37.5 V A  
Max. Switching Current 1 A

7/12/2007