

# Humidity Sensor

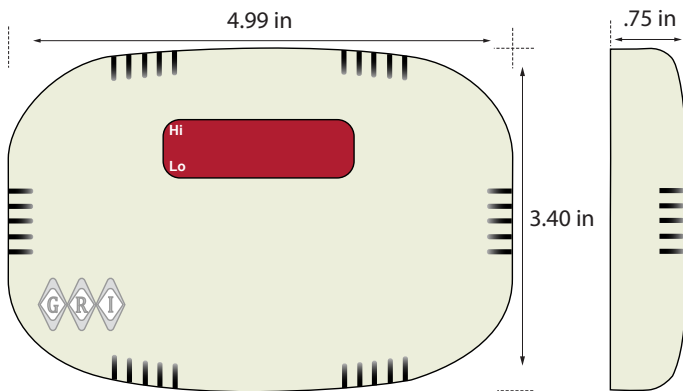
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## H8800 Series

- ◆ Low cost
- ◆ Non-volatile memory
- ◆ Single sensor or a Remote probe up to 500 ft.

The H8800 from GRI is a single sensor programmable humidity monitoring security device. Unlike its first cousin, the T8800, used for temperature sensing, the H8800 has one sensor to detect and report relative humidity. The single humidity sensor is housed in the appliance (H8800) or it can be ordered with a remote probe (H8800R). The memory in the H8800 is non-volatile.



H8800



H8800R

### Part Numbers

H8800	C Form relay output	On Board Sensor
H8800R	C Form relay output	With Remote Probe
H88R	Replacement Probe	
8065	RTD - 12 Power Supply	

The range of the H8800 is 5% humidity to 95% humidity (+ or -5%)

Min - Max Temp Range Without Humidity Probe

Min - Max Temp Range With Humidity Probe

Max distance for Probe from H8800 with 22 AWG wire

Operates with 10 VDC Min to 14 VDC Max

-23°C to 80°C (-10°F to 176°F)

-40°C to 85°C (40°F to 185°F)

500 Feet

**WARRANTY:** One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.  
G.R.I. PLAZA  
KIMBALL, NE 69145  
WWW.GRISK.COM



Made in U.S.A.

C\_ES 2 Humid Sensor H8800

TOLL-FREE 1-800-445-5218  
TOLL-FREE 1-800-523-1227  
(308) 235-4645  
FAX (308) 235-3561  
E-MAIL: sales@grisk.com

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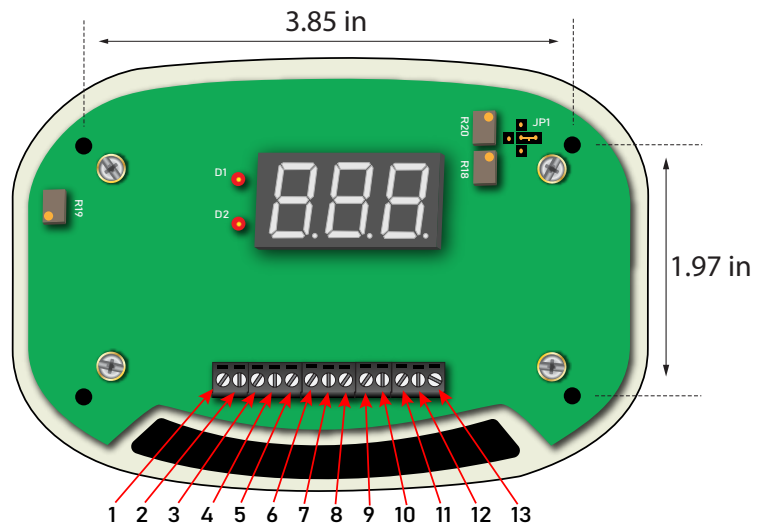
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## INSTALLATION INSTRUCTIONS:

To open the H8800, insert a flat blade screwdriver between the cover and the back plate and twist the screwdriver to open the H8800. Mount the H8800 in the required location using the provided screws. Four holes have been pre-drilled on the back mounting plate for installation convenience. There is also a mounting pattern template provided with the printed instructions. Route wires to the device as necessary from behind the H8800.

**REMEMBER!** It is important to avoid lights, motors, ballast transformers, fans and electromagnetic devices when routing and pulling wires to this device.



## CONNECTION DESCRIPTION:

Connect DC power to terminals 1(+) and 2(-). Observe polarity. **WARNING!** If you are using a power supply other than the RTD/12 (GRI PN#8065), be certain that the power is regulated. The use of unapproved power supplies will void the warranty. GRI's technical support team can provide information. Call 800-445-5218.

There are two (2) jumpers in the H8800. JP1 is used to direct programming to the high/low limit humidity thresholds. JP1 has multiple pins for the jumper during set up. With the center pin used as the center of a clock, place the jumper at 12 o'clock to adjust the High Limit. Place the jumper at 6 o'clock to adjust the Low Limit. Placing the jumper at 9 o'clock position is for standard operating of the device. The 3 o'clock position is NOT used in the field.

R18 Low Limit Adjustment

R20 High Limit Adjustment

### H8800 Probe Connections

1. Power (positive) See notes regarding compatible power supplies other than those supplied by GRI
2. Power (negative)
3. Relay Low Limit Common
4. Relay Low Limit Opens on Alarm
5. Relay Low Limit Closes on Alarm
6. Relay High Limit Common
7. Relay High Limit Opens on Alarm
8. Relay High Limit Closes on Alarm
9. Probe (brown)
10. Probe (white)
11. Probe (green)
12. Probe (black)
13. Probe (red)

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