

# Temperature Sensor



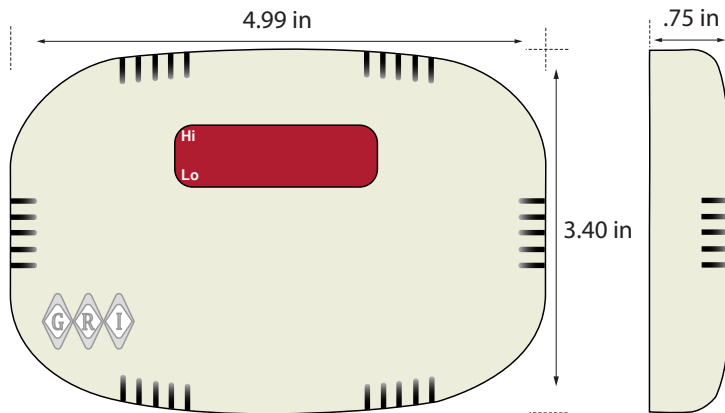
WWW.GRISK.COM

## T8800 Series

- ◆ Low cost
- ◆ Non-volatile memory
- ◆ Two versions: single on board sensor or a remote probe up to 500'
- ◆ Programmable Hi & Low alarms
- ◆ T8800R probe can be submerged in liquid or installed in a freezer



T8800



T8800R

### Part Numbers

T8800	C Form relay output	On Board Sensor only
T8800R	C Form relay output	With Remote Probe only
T88R	Replacement Probe	
8065	RTD - 12 Power Supply	

The T8800 is a single sensor programmable temperature monitoring security device. **The T8800 has only one sensor.** The single temperature sensor is housed in the appliance (T8800) or can be ordered with a connected remote probe (T8800R). The memory in the T8800 is non-volatile because all temp trip limits are set with a small screw driver. No typical software program is required. **Simple to set!**

Min - Max Temp Range Without Probe  
 Min - Max Temp Range With Probe  
 Max distance for Probe from T8800 with 22 AWG wire  
 Operates with 10 VDC Min to 15 VDC Max  
 65 Milliamps in Alarm

-23°C to 80°C (-10°F to 176°F)  
 -40°C to 85°C (-40°F to 185°F)  
 500 Feet

55 Milliamps in Standby

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

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

WWW.GRISK.COM



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

# Temperature Sensor

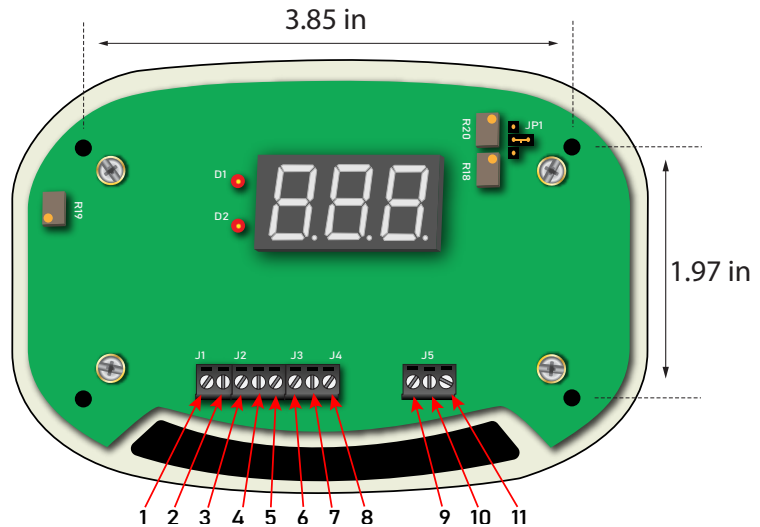


WWW.GRISK.COM

## INSTALLATION INSTRUCTIONS:

To open the T8800, insert a flat blade screwdriver between the cover and the back plate and twist the screwdriver to open the T8800. Mount the T8800 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 T8800.

**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 T8800. JP1 is used to direct programming to the high/low limit thresholds. JP2 converts the unit from Celsius to Fahrenheit. 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 3 o'clock position is for standard operating of the device.

There are three (3) adjustable pots (potentiometers) with the T8800. R19 on the far left side of the T8800 is used to adjust the temperature baseline for the unit. This control can be used to bring the T8800 in the same range of operation as other temperature sensors in the same room.

- R18 Low Limit Adjustment
- R19 Adjust/Calibrate Temperature Baseline
- R20 High Limit Adjustment

### T8800 Probe Connections

1. Power (positive)
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 (green)
10. Probe (black)
11. Probe (red)

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

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

WWW.GRISK.COM



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