

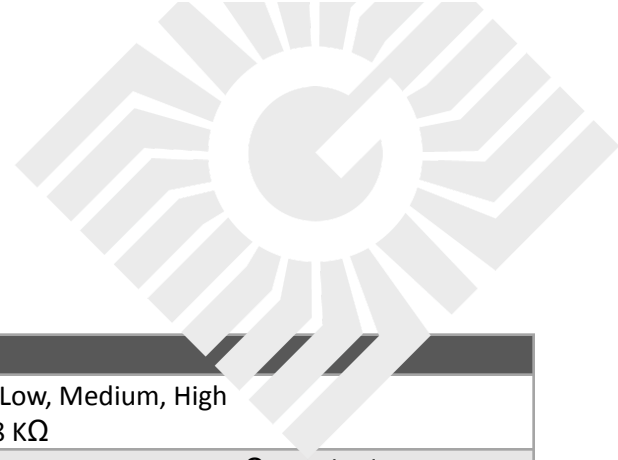
ROOM TEMPERATURE SENSOR

TSRC Series

The TSRC series is an attractive, low profile enclosure that incorporates a precision temperature sensor used to monitor room temperatures. Additional options are available that include setpoint adjustment, manual override, fan speed and LCD.

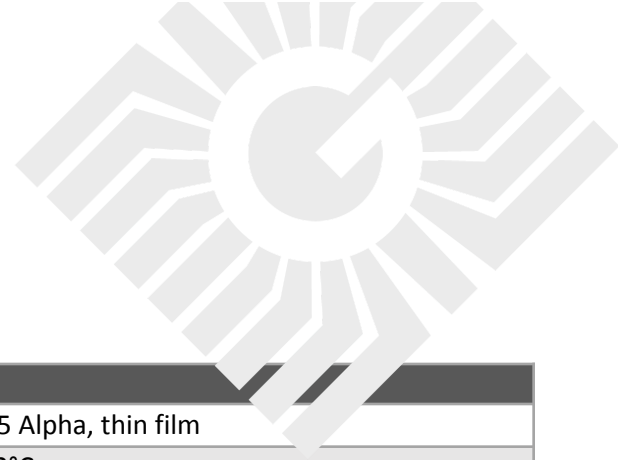
PRODUCT HIGHLIGHTS

- Precision Thermistor/RTD sensing elements
- Compact form factor
- Mountable directly to a single gang electrical box or directly to a wall
- Custom branding available



PRODUCT SPECIFICATIONS

DESCRIPTION	ENGINEERING SPEC
FAN SPEED/SWITCH	Range: 5 Position-Off, Auto, Low, Medium, High Signal: Resistive - 0, 2, 4, 6, 8 K Ω
SETPOINT SLIDE POT	Range: Front panel pot as resistive output, 0-10K Ω standard Custom Spans Available: 1K, 2K, 5K, 10K, 20K Ω
OCCUPIED INPUT	Signal Type: Digital input, 0/5 Vdc standard, active low Action Causes "OCC" segment to light on LCD
OPERATING ENVIRONMENT	0 to 50°C (32 to 122°F) 0 to 95 %RH non-condensing
TEMPERATURE SENSORS/ELEMENTS	Various Thermistor or RTD – Refer to Sensor table
SENSOR ACCURACY	Refer to sensor table Thermistors: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) @ 25°C (77°F) Platinum RTD's: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$) @ 0°C (32°F) Nickel RTD's: $\pm 0.4^{\circ}\text{C}$ ($\pm 0.72^{\circ}\text{F}$) @ 0°C (32°F)
LED INPUT	Signal Type: Active high, low or 2 wire, 5 V current limit standard LED Colors: Red, Green or Yellow
WIRING CONNECTION	Screw terminal block (14 to 22 AWG)
ENCLOSURE	White ABS, IP30 (NEMA 1)
DIMENSIONS	84mm W x 119H x 29mm D (3.3" x 4.7" x 1.15")
TERMINATION	Sensor Only: Pigtail 2 or 3 wire Sensor with Options: Terminal Block
POWER SUPPLY	5 Vdc standard, 10 Vdc or 24 Vdc optional
LCD DISPLAY	Power Supply: 12-24 Vdc / 24 Vac $\pm 10\%$ Consumption @ 24 Vdc No Backlight: 13 mA max With Backlight: 23 mA max Range: 0.0 - 35.0°C or 32.0 - 95.0°F selectable via jumper Resolution: 0.1°C/°F Size: 38.1mm W x 16.5mm H (1.5" x 0.65") Digit Height: 11.43mm (0.45") Symbols: °C, °F, OCC Backlight: Enable or disable via jumper
COUNTRY OF ORIGIN	Canada



SENSORS

DESCRIPTION	ENGINEERING SPEC
2	100 Ω Platinum, IEC 751, 385 Alpha, thin film
5	1801 Ω NTC Thermistor, ±0.2°C
6	3000 Ω NTC Thermistor, ±0.2°C
7	10,000 Ω Type 3, NTC Thermistor, ±0.2°C
8	2.252K Ω NTC Thermistor, ±0.2°C
12	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel, Class B, DIN 43760
14	10,000 Ω Type 3, NTC Thermistor, ±0.2°C c/w 11K shunt resistor
20	20,000 Ω NTC Thermistor, ±0.2°C
24	10,000 Ω Type 2, NTC Thermistor, ±0.2°C
59	10,000 Ω @ 25°C, ±1%, B = 3435 ±1% (25/85)