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

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| DESCRIPTION | ENGINEERING SPEC |
| FAN SPEED/SWITCH | Range: 5 Position-Off, Auto, Low, Medium, High  Signal: Resistive - 0, 2, 4, 6, 8 KΩ |
| SETPOINT SLIDE POT | Range: Front panel pot as resistive output, 0-10KΩ 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: ±0.2°C (±0.36°F) @ 25°C (77°F)  Platinum RTD’s: ±0.3°C (±0.54°F) @ 0°C (32°F)  Nickel RTD’s: ±0.4°C (±0.72°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 ±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 |

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| 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) |

SENSORS