OUTSIDE HIGH LIMIT THERMOSTAT

THOS Series

The single point outside air high limit thermostat incorporates a precision thermistor temperature sensor and provides a Form C relay output (NO/ NC) with an adjustable setpoint. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. A sun and wind shield is integrated into a hinged and gasketed weatherproof Polycarbonate enclosure.

PRODUCT HIGHLIGHTS

* Compact form factor enclosure with soft close cover
* IP 65 Enclosure
* Slotted mounting holes angled for ease of field installation
* Custom branding available
* Multiple mounting options

SPECIFICATIONS

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| POWER SUPPLY | 12 to 28 Vac/dc |
| SENSOR ACCURACY | ±0.2°C, 0 to 70°C (±0.36°F, 32 to 158°F) |
| PROBE SENSING RANGE | -20 to 105°C (-4 to 221°F) |
| PROBE MATERIAL | 304 series stainless steel |
| PROBE DIMENSIONS | 25.4 mm x 25.4 mm (1.5” x 1.5”) |
| WIRE MATERIAL | PVC insulated, parallel bonded |
| CONSUMPTION | 50 mA max |
| RELAY CONTACTS | SPDT, Form C contacts (N.O. and N.C.)5 Amps @ 30 Vdc/250 Vac resistive1.5 Amps @ 30 Vdc/250 vac inductive |
| RELAY ACTION | Activates on temperature rise |
| SETPOINT OPERATION | Single-turn knob-pot on PCB |
| ADJUSTABLE SETPOINT | 38 to 60°C (100 to 140°C) |
| SETPOINT TEMPERATURE | Low/Mid/High jumper selectableDifferential 1.1, 2.8, 5.6°C (2, 5, 10°F) |
| TEMPERATURE SENSOR | 10,000Ω curve matched precision thermistor |
| OPERATING CONDITIONS | -10 to 50°C (14 to 122°F), 5 to 95 %RH, non-condensing |
| STORAGE CONDITIONS | -30 to 70°C (-22 to 158°F), 5 to 95 %RH, non-condensing |
| WIRING CONNECTIONS | Screw terminal block (14 to 22 AWG) |
| ENCLOSURE | **B:** Grey polycarbonate UL94-V0, IP65 (NEMA 4X)**F:** Same as B with thread adapter (1/2” NPT to M16) and cable gland fitting |
| COUNTRY OF ORIGIN | Canada |