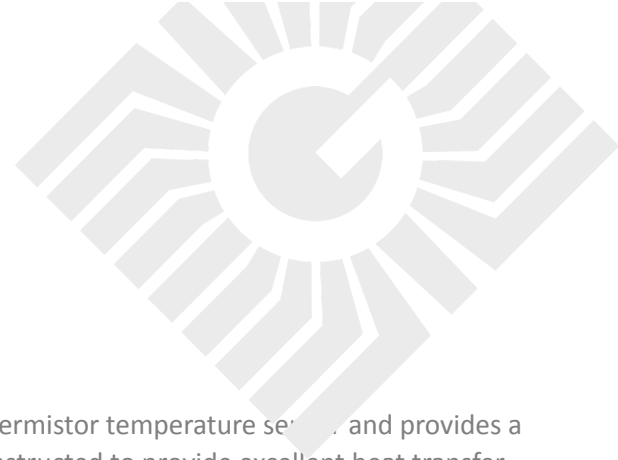




OUTSIDE HIGH LIMIT THERMOSTAT

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 resistive 1.5 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 selectable Differential 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