OUTSIDE TEMPERATURE SENSOR

TSOB Series

The single point outside air temperature sensor utilizes a precision sensor. 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 weatherproof compact Polycarbonate enclosure with a hinged and gasketed cover for ease of installation.

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

ENGINEERING SPEC’S

* Shall be IP65 (NEMA 4X) with a UL94-V0 rated enclosure
* External mounting tabs must be slotted & tapered away from enclosure to ease field installation
* Enclosure shall be complete with neoprene gasket for duct to enclosure seal
* Probe – Enclosure connection shall be fully potted to eliminate probe condensation and guarantee IP65 (NEMA4X rating)
* Enclosure shall be complete with threaded (1/2 NPT and/or M16) conduit connection
* Sensing probe shall be protected from sun and/or wind with a protective polycarbonate shield
* Cover must be hinged and securely attached in the open position
* Probe must be one-piece 6mm O.D 304 stainless steel
* Sensing range must be -40 to 50°C (-40 to 122°F)
* Cover must contain security screw as extra protection from opening
* Product shall be CE approved

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| SPECIFICATIONS |  |
| SENSOR TYPE | Thermistor or RTD (see ordering chart) |
| SENSOR ACCURACY | **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) |
| PROBE SENSING RANGE | -40 to 50°C (-40 to 122°F) |
| AMBIENT OPERATING RANGE | -40 to 50°C (-40 to 122°F), 5 to 95 %RH non-condensing |
| WIRE MATERIAL | Thermistor or RTD (see ordering chart) |
| ENCLOSURE | **A:** Polycarbonate, UL94-V0, IP65 (NEMA 4X)  **C:** Same as A, includes terminal block  **E:** Same as C, with cable gland fitting |
| TERMINATION | **A:** Pigtail, 2 or 3 wire  **& E:** Terminal block, 2 or 3 wire |
| COUNTRY OF ORIGIN | Canada |