



ECP Outside Air Temperature Sensors c/w Radiation Shield TE-O*RS

Description

The TE-O range of outside air temperature sensors are designed to interface with a wide variety of HVAC control equipment. Units are available with a high quality thermistor element or platinum element.

The housing has a quick release lid for ease of installation and the sensor potted within a Stainless Steel probe with a vented sun shield mounted into the side of the housing.

Features

- IP65 Flame retardant ABS housing.
- Shielded St/Steel probe.
- Wide choice of sensor options



Technical Specification

Sensor Type:	Thermistor or RTD element, see order codes for options.
Accuracy:	Thermistor - $\pm 0.2^{\circ}\text{C}$, $0...70^{\circ}\text{C}$ RTD - Class A $\pm 0.15^{\circ}\text{C}$ @ 0°C , $\pm 0.35^{\circ}\text{C}$ @ 100°C
Housing:	Flame retardant ABS
Probe:	Shielded Stainless Steel Probe
Protection:	IP65
Terminals:	Rising clamp $0.5\text{-}2.5\text{mm}^2$ cable
Ambient:	-20°C to $+50^{\circ}\text{C}$, 0-95% RH non-condensing

Installation

The TE-O*RS should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment which it is to be connected to. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the sensor is being connected to. As a general rule, screened cable should be used to connect the sensor to a BMS or other controller. Please note that none of the TE-O range of sensors are suitable for use with mains voltage. Choose a location preferably on a north facing wall with an even surface and fit the sensor with the solar shield facing downwards.

Order Codes

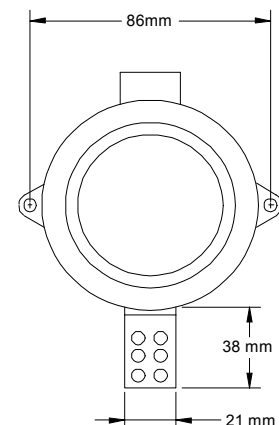
TE-OT	Outside Air Sensor with Radiation Shield $10\text{K}\Omega@25^{\circ}\text{C}$
TE-OA	Outside Air Sensor with Radiation Shield $10\text{K}\Omega@25^{\circ}\text{C}$
TE-OTAC	Outside Air Sensor with Radiation Shield $1.8\text{K}\Omega@25^{\circ}\text{C}$
TE-OSAT	Outside Air Sensor with Radiation Shield $5025\Omega@25^{\circ}\text{C}$
TE-O3K	Outside Air Sensor with Radiation Shield $3\text{K}\Omega@25^{\circ}\text{C}$
TE-OH	Outside Air Sensor with Radiation Shield $20\text{K}\Omega@25^{\circ}\text{C}$
TE-OD	Outside Air Sensor with Radiation Shield $30\text{K}\Omega@25^{\circ}\text{C}$
TE-OP	Outside Air Sensor with Radiation Shield $50\text{K}\Omega@25^{\circ}\text{C}$
TE-O100	Outside Air Sensor with Radiation Shield $100\Omega@0^{\circ}\text{C}$
TE-O1K	Outside Air Sensor with Radiation Shield $1\text{K}\Omega@0^{\circ}\text{C}$

Other sensor types available. Contact us for details

Wiring

Connect wires into the two way terminal block on the printed circuit board. Do not over-tighten the terminal screws as excessive force can cause damage to the terminal block and housing.

Dimensions



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