

# Outdoor Temperature Sensors

Protection Against Radiated Heat, Weatherproof Housing



## Models Select Chart

Model	Description
TE-OND-A	Outside air temperature sensor, 10K $\Omega$ Type III thermistor
TE-OND-B	Outside air temperature sensor, 10K $\Omega$ Type II thermistor
TE-OND-C	Outside air temperature sensor, 3K $\Omega$ thermistor
TE-OND-D	Outside air temperature sensor, Pt100 $\Omega$ RTD sensor
TE-OND-E	Outside air temperature sensor, Pt1000 $\Omega$ RTD sensor
TE-OND-F	Outside air temperature sensor, 20K $\Omega$ thermistor
TE-OND-Q	Outside air temperature sensor, 10K Type III thermistor with 11K $\Omega$ shunt
TE-OSA-	Outside air temperature sensor, 10K $\Omega$ type III thermistor

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TE-OSA-B	Outside air temperature sensor, 10K $\Omega$ type II thermistor
TE-OSA-C	Outside air temperature sensor, 3K $\Omega$ thermistor
TE-OSA-D	Outside air temperature sensor, PT100 $\Omega$ RTD
TE-OSA-E	Outside air temperature sensor, PT1000 $\Omega$ RTD
TE-OSA-F	Outside air temperature sensor, 20K $\Omega$ thermistor
TE-OSA-Q	Outside air temperature sensor, 10K $\Omega$ type III thermistor with 11K $\Omega$ shunt
TE-RND-A	Outside air temperature sensor with radiation shield, 10K $\Omega$ Type III thermistor
TE-RND-B	Outside air temperature sensor with radiation shield, 10K $\Omega$ Type II thermistor
TE-RND-C	Outside air temperature sensor with radiation shield, 3K $\Omega$ thermistor
TE-RND-D	Outside air temperature sensor with radiation shield, Pt100 $\Omega$ RTD sensor
TE-RND-E	Outside air temperature sensor with radiation shield, Pt1000 $\Omega$ RTD sensor
TE-RND-F	Outside air temperature sensor with radiation shield , 20K $\Omega$ thermistor
TE-RND-Q	Outside air temperature sensor with radiation shield, 10K Type III thermistor with 11K $\Omega$ shunt

<b>Specifications:-</b>	
<b>Accuracy</b>	: Thermistor temperature sensor: $\pm 0.22^{\circ}\text{C}$ @ $25^{\circ}\text{C}$ ( $\pm 0.4^{\circ}\text{F}$ @ $77^{\circ}\text{F}$ ); RTD temperature sensor: DIN class A: $\pm 0.15^{\circ}\text{C}$ @ $0^{\circ}\text{C}$ ( $\pm 0.28^{\circ}\text{F}$ @ $32^{\circ}\text{F}$ ).
<b>Temperature Limits</b>	: Operating: $-40$ to $302^{\circ}\text{F}$ ( $-40$ to $150^{\circ}\text{C}$ ).
<b>Sensor Curves</b>	: See <b>Resistance vs. Temperature Table</b> .
<b>Housing Material</b>	: Polycarbonate.
<b>Enclosure Rating</b>	: TE-OND/TE-RND: NEMA 4X (IP65); TE-OSA: NEMA 3R (IP54).
<b>Housing Rating</b>	: NEMA 4X (IP66) (DFW, IBW only).
<b>Weight</b>	: 0.65 lb (295 g).