

023-0050 OSA Temperature Sensor Spec & Installation Instructions



Outside Air Temperature (OAT) Sensor

This probe is designed for outside air temperature measurement. This single unit device comes in a weather-proof gasketed metal ½ LBA enclosure with a sun and wind shield to protect it from false readings.

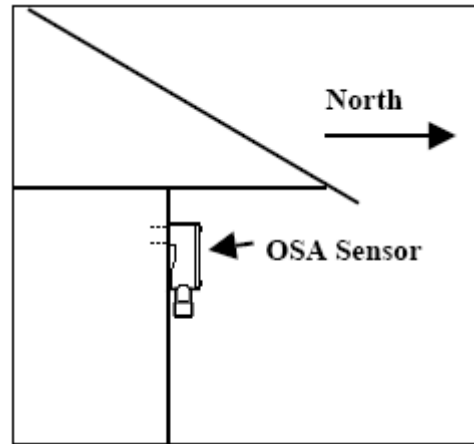
Specifications

Probe application	OSA temperature
Sensor type	Thermistor 10k type 3
Sensor Operating Temperature Range	-40 to 105 °C (-40 to 221 °F)
Enclosure type	Metal ½ LBA
Wiring Connections	Pig Tail (2 wire)
Accuracy before calibration	±0.2°C over 0 to 70°C (±0.4°F over 32 to 158°F)

Physical Installation

This OSA sensor should be mounted on the north side of the structure high under an eave to prevent incorrect readings from direct sunlight and damage due to the elements. Mount the OSA enclosure with the sensor module facing down to prevent the accumulation of dirt or water.

You need to open cover to make wire connections.



Wiring & Color codes

Connect between input and GND terminal. This two-wire sensor is polarity insensitive.

MT Alliance Installation

Drop as a 023-0046 or a 023-0050 sensor model

Other available wall temperature sensor (* = regular stock)

MTT Part Number	Probe application	Sensor Type	Drop as
023-0050	Temp only for OAT	10k type 3	023-0046
023-0046	Temp only for Wall	10k type 3	Same
023-0328 *	Temp only for OAT	10k type 2	023-0073
023-0031 *	Temp+RH for OAT	10k type 2	023-0026
023-0327 *	Temp only for Wall	10k type 2	023-0073
Call MTT	Other	Other	