

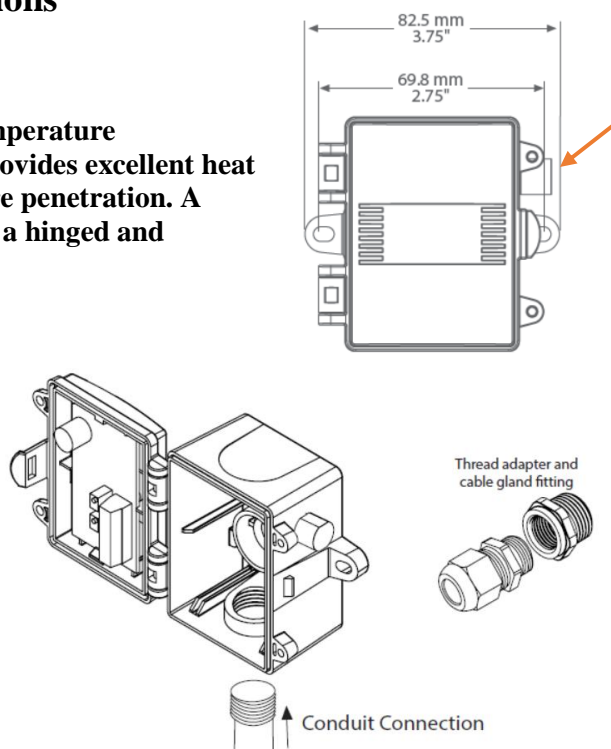
023-0328 OAT Outside Air Temperature Sensor Spec & Installation Instructions

Introduction

This single point probe is designed for outside air temperature measurement. This aluminum encapsulated probe provides excellent heat transfer, fast response, and is potted to resist moisture penetration. A compact weatherproof Polycarbonate enclosure with a hinged and gasketed cover is provided for ease of installation.

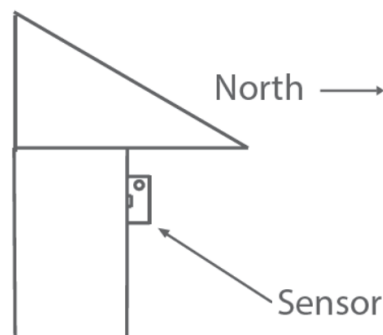
Specifications

Probe application	OSA temperature
Sensor type	Thermistor 10k type 2
Sensor Operating Temperature Range	-40 to 50 °C (-40 to 122 °F)
Enclosure type	Polycarbonate, UL94-V0, IP65 (NEMA 4X)
Wiring Connections	Pig Tail (2 wire)
Accuracy before calibration	±0.2°C @ 25°C (±0.36°F @ 77°F)



Physical Installation

Do not mount the sensor near opening windows, supply/ exhaust air louvres or other known air disturbances. This OSA sensor should be mounted on the north side of the structure (By ex. on a RTU) high under an eave to prevent incorrect readings from direct sunlight and damage due to the elements. It is recommended that weatherproof conduit or cable gland fittings be used. A 1/2" NPT threaded connection hole is provided in the bottom of the enclosure. The enclosure has a hinged cover with a latch. Open the cover by pulling slightly on the latch on the right side of the enclosure.



Wiring & Color codes

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

MT Alliance Installation

Drop as a Micro Thermo 023-0328 sensor model

Other available ambient temperature sensor (* = regular stock)

MTT Part Number	Probe application	T. Sensor Type	Drop as
023-0031 *	Temp+RH for Outdoor	10k type 2	023-0031
023-0026 *	Temp+RH for Indoor Wall	10k type 2	023-0026
023-0327 *	Temp only for Indoor Wall	10k type 2	023-0327
Contact MTorder	Other	Other	