

Control & Sensing Products for HVAC-R

Sensors

RMT.HT.1021 Series
Room Type Humidity Sensor



RMT.HT.1021 room type humidity and temperature sensor is used in many applications such as air handling units where humidity and temperature are monitored or controlled, hygienic air conditioner, pool dehumidification unit, greenhouses, storage areas, laboratories and data centers. RMT.HT.2021 series room type humidity and temperature sensor also use a polymer capacitive sensor with a stainless steel mesh filter.

- ❖ 2 Pieces 0-10V and 4-20mA Outputs.
- ❖ Ability To Use As A Control Sensor.
- ❖ Measurement Of Humidity And Temperature In The Specified Airspace.
- ❖ Compact Design
- ❖ Easy Mechanical Installation
- ❖ Stylish Design.
- ❖ IP65 Box.

Technical Property:

Electrical Data	Connection	Terminal Connector 1,5 mm ²
	Power Supply	24 V AC/DC
	Frequency	50/60 Hz
	Power Consumption	Max 3 VA
Environmental Data	Storage Temperature	-20... +80°C (No Condensation)
	Ambient Humidity	0...100 % r. H (No Condensation)
	Height	Max. 2000 m
Functions	Outputs	AO1: 0-10V/4-20mA <> 0 ... 100% r.h. AO2: 0-10V/4-20mA <> -20 ... 80 °C
	Output Signal Passive Temperature	NTC10 Pt1000 Pt100
	Measurement Parameter	Humidity, Temperature
Material Data	Dimensions	L100xW90xH30 mm
	Weight	50 gr
	Range Of Temperature Measurement	NTC10k: -40°C... 105°C [-40... 221°F] Pt1000: -50°C... 160 °C [-60... 320°F] Pt100: -50°C...160°C [-60... 320°F]
	Range Of Humidity Measurement	0... %100 relative humidity, non-condensing
	Measuring Time	For 6 seconds 63% humidity change (at 25 ° C and when air is blowing at 1 m / s speed) For 15 seconds 63% temperature change (at 25 ° C when air is blowing at 1 m / s speed)
Security Data	Protective Structure	IP 20
	Certification EN	EN 60529

Order Code:

RMT.HT.1021	Room Type Humidity/Temperature Sensor
RMT.HT.1021.X	Room Type Humidity/Temperature Sensor / X: NTC10k,Pt1000,PT100