Temperature and humidity sensor MTH-503S4D

Features

- Fast signal response, high accuracy, good reproducibility and good stability
- Adopt microelectronic circuit design, compact, power saving, anti-noise
- Modbus RTU Protocol
- Provide LoRa wireless transmission options for easier installation
- Industrial grade enclosure for outdoor use
- CE, FCC Certification

Applications

The MTH-503S4D temperature and humidity sensor adopts high-precision temperature and humidity sensing components and miniature electronic circuit design, which has high stability and is suitable for air-conditioning systems in commercial buildings, offices, computer rooms, restaurants or homes. In addition to a variety of output signals, this sensor can also be equipped with an LCD liquid crystal display, which can be used for on-site synchronous display. In terms of installation methods, wall-mounted, ducted, external air and separate types are available, and the applicable style can be selected according to the on-site environmental conditions.

Model Name	MTH-503S4D
Functions	Tempturature+Humidity
Singal Output	4~20mA,0~10V/0~5V/1~5V,RS485,LoRa(P to P)
	Frequency:868.0~912.9MHz
Mount Methods	Wall Mount/Ducted/External air kit/Seperated
Resistance Load	Current Output:RL<500 Ω@ 24V DC
	Voltage Output:RL>2.5KΩ@ 24V DC
Voltage/Current Output (Temp. Range Selectable)	T:0~100 ℃ (or 0~50 ℃/-50~+50 ℃)
	H:0~100%RH
Accuracy(@25℃/55%RH)	A;T:±0.2℃ H:±2%RH
	B;T:±0.3℃ H:±3%RH
Sensing Component	CMOSens Sensor
Response Time	<10 Sec.(20% To 80% Of Range)
IP Rating	Wall Mount(IP30)/Ducted/External air kit/Seperated(IP65)
LCD Display	Option
Power Supply	DC12~36V(Singal Output 0~10V/0~5V/1~5V,RS485/LoRa)
	DC15~36V(Singal Output 4~20mA);AC 24V(50/60HZ)
Dimension(mm)	Wall Mount:113.57(H)x80.0(W)x28.79(D)
	Ducted/External air kit/Seperated:137.5(H)x99.0(W)x40.4(D)
	Probe Length:Ducted Φ15x300.0, External air kitΦ15x60.0
	Seperated:Cable length:3360
Housing	Fireproof ABS
Outdoor Waterproof Box	PVC
Outdoor Waterproof Box Weight	530g
Operating Temperature	T:-20~+60℃;H:0~95%RH(No Condensation)
Certificated	CE,FCC

Outdoor waterproof Housing Dimension

58mm

200mm

加紧直径12～15mm

130mm

260mm

120mm

76mm

最大可加紧直径50mm

266mm