Humidity Sensor PCE-P18 Modbus RTU

Measures temperature and humidity / output as standard signal / compact

Modbus RTU interface / wall mounting

The humidity sensor PCE-P18 is used in HVAC technology to monitor humidity and temperature. The measured values are output by the humidity sensor PCE-P18 via the RS485 interface. In this compact humidity sensor, air humidity and temperature are precisely determined using a semiconductor component. For commissioning, the humidity sensor PCE-P18 is supplied via a DC voltage. The measured variables are output via a two-wire line. All connections are made via screw contacts in the waterproof IP 65 housing. This function is particularly useful if several measuring points are to be linked to one another during your home surveillance.

- Humidity and temperature sensors
- simple wall mounting
- RS-485 interface
- for permanent monitoring
- various filters available
- small dimensions

Subject to change

Specifications

Technical data humidity sensor PCE-P18

humidity	
measuring range	0 ... 100% RH
accuracy	± 2% (in the range 10% .... 90% RH) 3% (remaining area)
hysteresis	± 1% RH
temperature	
measuring range	- 20 ... 60 ° C
accuracy	± 0.7% of the measuring range
temperature effect	± 25% / 10 ° C
Humidity sensor output	
Data Interface	RS-485 Modbus RTU
transfer mode	8N1, 8N2, 8E1, 8O1
baud rate	4800 bps 9600 bps 19200 bps 38400 bps 57600 bit / s
General technical data for humidity sensors	
supply voltage	19 V ... 30 V DC
power	<1.5 W
ambient temperature	- 30 ° C ... 85 ° C
Max. humidity	≤ 95% RH
preheat	15 minutes
degree of protection	IP 65
Assembly	wall mounting
Dimensions (wxhxd)	35 x 58 x 118 mm
Weight	125 g

More information

Manual

More product info

Similar products

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