

Temperature, humidity, pressure regulator with two relay and RS485 outputs

code: H7430



Humidity, temperature, atmospheric pressure transmitter with two relay outputs. Outdoor, indoor use. Built-in relative humidity, temperature, pressure sensors. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy. Three two-state inputs.

Technical data

| | |
|----------------------------------------|---------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR | |
| Measuring range | -30 to +80 °C |
| Accuracy | ±0.4 °C |
| Resolution | 0.1 °C |
| HUMIDITY SENSOR | |
| Measuring range | 0 to 100 % RH |
| Accuracy | ±2.5 % RH from 5 to 95 % at 23 °C |
| Resolution | 0.1% RH |
| DEW POINT | |
| Measuring range | -60 to +80 °C |
| Accuracy | ±1.5 °C at ambient temperature T < 25 °C and RH > 30 % |
| Resolution | 0.1 °C |
| ATMOSPHERIC PRESSURE SENSOR | |
| Measuring range | 600 to 1100 hPa |
| Accuracy | ±1.3 hPa at 23 °C from 800 to 1100 hPa |
| Resolution | 0.1 hPa |
| RELAY OUTPUTS | |
| Quantity | 2 |
| Maximal voltage | 50 V |
| Maximal current | 2 A |
| Maximal power | 60 VA |
| BINARY INPUTS | |
| Quantity | 3 |
| Signal for binary input | dry contact, open collector or two-state voltage signal. Inputs are not galvanically isolated. |
| Minimum pulse duration on binary input | 500 ms |
| Voltage across open contact | < 3,3 V |
| Low voltage level | 0 to +0,5 V |

| | |
|---------------------------------------------------|----------------------------------------------------------------------------------|
| High voltage level | +3,0 to +30 V |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +80 °C |
| Channels | internal sensor of temperature, humidity sensor and atmospheric pressure |
| Counted values | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Acoustic alarm | from built-in beeper - switchable |
| Output | RS485 |
| Range of humidity sensor temperature compensation | all temperature range |
| Available temperature units | degrees Celsius, degrees Fahrenheit |
| Communication protocol | ModBus RTU, ARION, Advantech ADAM |
| Power | 9-30 Vdc |
| Protection class | IP54 electronics; IP40 sensors |
| Dimensions | 136 x 213 x 45 mm; stem length 75 mm |
| Weight | approx. 360 g |
| Warranty | 3 years |