# Temperature and humidity regulator with RS485 output



code: H3430

Humidistat, thermostat with two relay outputs. Outdoor, indoor use.

Built-in relative humidity, temperature 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

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| 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 |
| RELAY OUTPUTS | |
| Quantity | 2 |
| Maximal voltage | 50 V |
| Maximal current | 2 A |
| Maximal power | 60 VA |
| BINARY INPUTS | |
| Quantity | 3 |
| Signal for binary inputy | dry contact, open collector or two-state voltage signal.<br>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 temperature and humidity sensor |

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| 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 | IP65 electronics; IP40 sensors |
| Dimensions | 136 x 159 x 45 mm; length/diameter of external probe 88/18 mm |
| Weight | approx. 500 g |
| Warranty | 3 years |