

# Temperature and humidity regulator

code: H3021



Humidistat, thermostat with two relay outputs. Outdoor, indoor use. Humidity, temperature probe on a cable. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

The device is supplied with T+RH probe with 1 meter cable.

## Technical data

|                             |  |
|-----------------------------|--|
| TEMPERATURE SENSOR          |  |
| Measuring range             | -30 to +105 °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  |
| GENERAL TECHNICAL DATA      |  |
| Operating temperature       | -30 to +80 °C  |
| Channels                    | 1x connectable temperature+humidity probe  |
| Counted values              | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Acoustic alarm              | from built-in beeper - switchable  |
| 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                    |
| External probe cable length | 1 meter  |

|          |               |
|----------|---------------|
| Weight   | approx. 400 g |
| Warranty | 3 years       |