

Compressed air temperature and humidity regulator

code: H3021P



Humidistat, thermostat with two relay outputs. T+RH probe from hard anodized duralumin for compressed air up to 25 bars. 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 1m cable.

Technical data

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| 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 |
| MEASURING THE MOISTURE OF COMPRESSED AIR | |
| Measuring range | up to 25 bars |
| Air flow velocity | up to 25 m/s at a pressure of 1 bar (1m/s at a pressure of 25 bar) |
| 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 |

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| 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 |