

# Compressed air temperature and humidity regulator with 230Vac/8A relays

code: H3061P



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

Relative 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.

## 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                                                                           |
| 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                          | 250 VAC                                                                          |
| Maximal current                          | 8 A                                                                              |
| Maximal power                            | 2000 VA AC, 192 W DC                                                             |
| 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                       | 110-240 VAC                                                      |
| Protection class            | IP65 electronics; IP40 sensors                                   |
| Dimensions                  | 136 x 161 x 45 mm; length/diameter of external probe<br>88/18 mm |
| External probe cable length | 1 meter                                                          |
| Weight                      | approx. 490 g                                                    |
| Warranty                    | 3 years                                                          |