



# DBZH-102

## Room humidistat

DBZH-102 is an electro-mechanical room humidistat for controlling humidification and/or dehumidification in HVAC systems.

- 1-step
- Protection class IP30
- Changeover contact 250 V AC, 5 A

- High reliability and accuracy
- Setpoint settings can be locked

### Function

The humidistat uses a synthetic element as sensor medium. The synthetic element stretches as the humidity increases and shrinks as the humidity decreases. These changes are transmitted to a microswitch.

The setpoint knob affects the position of the microswitch in relation to the synthetic element. The setpoint can be set at between 35...95% RH.

### Setpoint knob can be locked

In order to eliminate the risk of tampering, the setpoint knob can be locked by means of a locking screw under the cover.

### Typical applications

Can be used to control a humidifier or a dehumidifier or for on/off controlling of a fan. Can also be used to alarm when the humidity exceeds or falls below a pre-set level.

### Synthetic Element

We have developed a new synthetic element that gives a high accuracy at a low cost.

## Technical data

### General

Material casing	Polycarbonate
Ambient temperature	0...40°C
Mounting	Wall mounting
Protection class	IP30



This Product confirms with the requirements of European LVD standards EN 60730-1:2000+A11+A12, EN 60730-2-13:1998+A1 and carries the CE-mark

### Outputs

Changeover contact	250 V AC, 5 A
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### Settings

Setpoint	35...95% RH
Hysteresis	7% RH

## Wiring and Dimensions

Humidification Closing contact between terminals 1 and 2  
Dehumidification Closing contact between terminals 1 and 3

