HR-S is an electro-mechanichal 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.

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

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.

Technical data

General

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

Settings

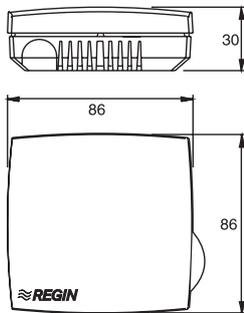|	
Setpoint	35…95% RH
Hysteresis	+/- 4% RH

Wiring and dimensions

Wiring

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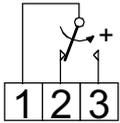
Dimensions

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