



HRS 1ES



HRS 1CS

Features

- Humidifying or dehumidifying in HVAC system, selectable via terminal wiring on pcb
- Setting range 35 to 100% r.H.
- Set point
 - Exposed set point for HRS 1ES
 - Concealed set point for HRS 1CS
- Power supply 24 - 230 Vac

Technical data

Power supply	24 - 230 Vac >24 V in dry rooms only according to VDE 0110
Setting range	35 to 100% r.H.
Switching capacity	dehumidifying, 5 (0.2) A min. 100 mA humidifying, 3 (0.2) A, min. 100 mA
Contact	1 changeover contact, (potential free)
Sensing element	plastic fibres
Operating difference	approx. 4% r.H.
Tolerance	max. 3% r.H.
Enclosure temperature	0°C to +40°C
Enclosure	plastic, material ABS colour pure white (similar RAL 9010)
Housing dms	95x95x30 mm
Electrical connection	0.14 to 2.5mm ² , via terminal screw on plate
Protection class	II (according to EN 60730)
Protection type	IP30 (according to IEC 529)
Standards	CE conformity EMV directive 89/336/EWG Low-voltage directive 73/23/EWG

Application/Description

For controlling and monitoring relative humidity in office and residential rooms, baths, labs, control, cabinets, computer rooms etc.. Not applicable for aggressive gases.

Installation

Wall-mounted or on in-flush box dia. 55 mm, socket with 4 holes for mounting on vertical or horizontally installed flush boxes, with predetermined breaking point for on-wall cable entry.

Ordering

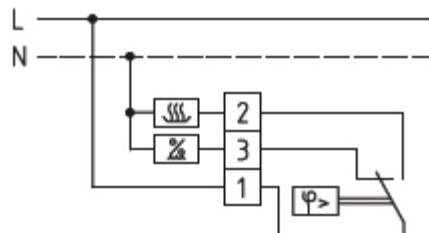
Type no.	Description
HRS 1ES	Room hygrostat, 1 step, exposed set point
HRS 1CS	Room hygrostat, 1 step, concealed set point

Function

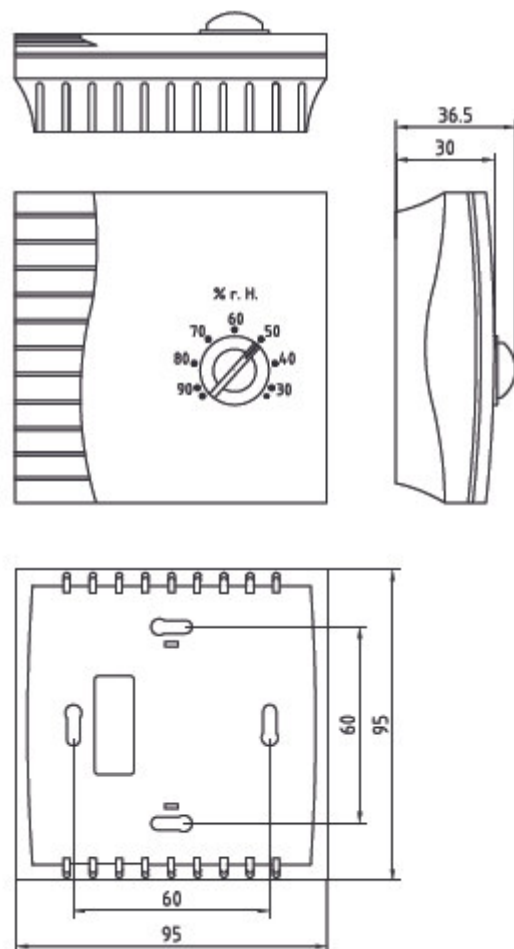
Humidifying: connect terminal 1 and 3

Dehumidifying: connect terminal 1 and 2

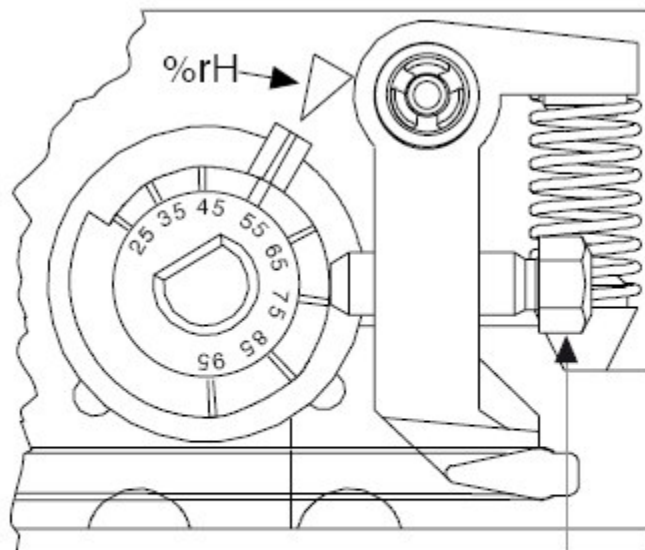
Connection diagram



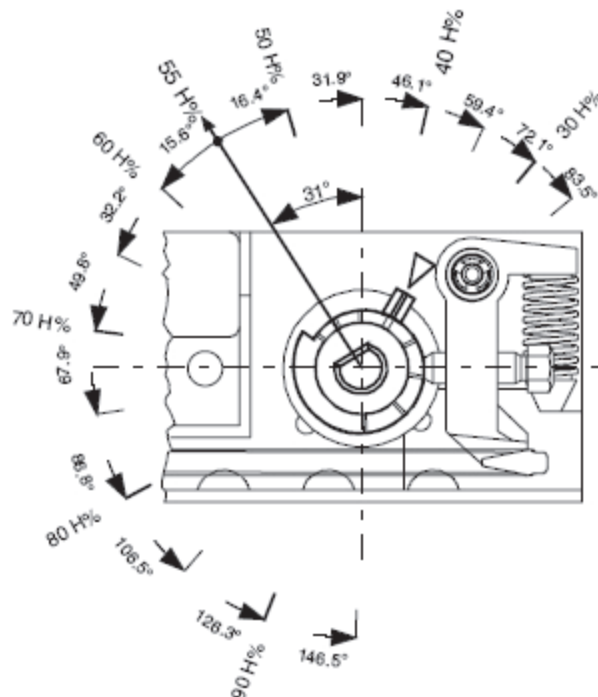
Dimensions (mm)



Setting humidity



Calibrating screw
(varnish-locked)



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