Data Sheet FHY 101.060#21

Article number: UA020003

Room hygrostat, flush-mounted, 24 VAC to 230 VAC, 35...85 % r.H., changeover contact, alre frame, cover 50 x 50 mm, pure white, glossy

The room hygrostat is designed for monitoring and controlling the relative humidity, e.g. in business premises, apartments, conservatories, bathrooms, swimming pools, IT rooms and other rooms with a clean, non-aggressive environment. A potential-free changeover contact is activated by the effect of the relative humidity on a measuring band. The setpoint value is set using the setting knob on the front. The setting range can be limited.

Connection cross-section	0,5 – 2,5 mm²
Can be read off	No
Number of outputs	2
Output signal	switching
External setting	Yes
Operation	rotary knob
Design	Berlin UP
Relative humidity setting range	35 … 85 %
Electric connection	screw terminals

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Colour	pure white
RAL colour number (similar)	9010
Sensor element	plastic fibres
Internal setting	No
Bearing temperature	–20 … 60 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic PC
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	dehumidify: 5 (0,2) A, humidify: 2 (0,2) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
With thermostat	No
Mounting/attachment	flush mounting (deep socket recommended)
Humidifying/dehumidifying control function	Yes
Heating control function	No
Cooling control function	No
Switching differential	5 % r.H.
Switching difference, can be adjusted	No
On/Off switch	No
Switching contact	two-way contact
Potential free switching contact	No

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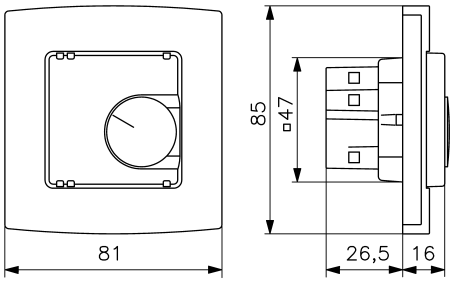
Switching power	1150 W (230 VAC) / 460 W (230 VAC)
Protection class	IP30
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Ambient temperature	0 … 50 °C
Degree of contamination	2
Assembly	complete device
Dimensions (W x H x D)	81 mm x 85 mm x 42,5 mm



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