

## Data Sheet FHY 101.060#00

Article number: UA020004

Room hygrostat, flush-mounted, 24 VAC to 230 VAC, 35...85 % r.H., changeover contact

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 adjustment knob on the front. The setting range can be limited. With cover set 50 x 50 mm or 55 x 55 mm adaptable to almost all surface switch programs. Matching cover set no. JZ-021.xxx.



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
Colour	anthracite

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
Min. switching current	100 mA
With thermostat	No
Mounting/attachment	flush mounting (deep socket recommended)
Surface finish	matt or gloss (see cover set)
Humidifying/dehumidifying control function	Yes
Heating control function	No
Cooling control function	No
Switching differential	5 % r.H.
Switching difference, can be adjusted	No
Switching element	microswitch
On/Off switch	No
Switching contact	two-way contact

Potential free switching contact	No
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)	71 mm x 71 mm x 42,5 mm

