

Data Sheet RKDSB-171.000

Article number: MA220000

Room hygrothermostat, surface-mounted, 24 VAC or 230 VAC, 10...35 °C, 30...100% r.H., 2 changeover contacts

Hygro-thermostat for the simultaneous control or monitoring of temperature and humidity in offices, living rooms, hotels as well as swimming pools, conservatories and residential bathrooms and suitable for all types of heating. The device can be operated with either 24 V~ or 230 V~. With electric underfloor heating systems, care must be taken to ensure that the heating output cannot overheat the screed even during continuous operation. For hot water heating systems, a maximum of 10 normally closed valves must be connected to the heating output or a maximum of 5 normally open valves to the cooling output. In the case of cooling, a maximum of 5 normally closed valves must be connected to the cooling output or a maximum of 10 normally open valves to the heating output. Any temperature limiters required must also be installed.



Can be read off	No
Number of outputs	6
Output signal	switching
External setting	Yes
Operation	rotary knob and switches
Operating voltage	230 VAC, 50 Hz / 24 VAC, 50 Hz
Design	Berlin 3000
Relative humidity setting range	30 ... 100 %

Electric connection	screw terminals
Colour	pure white
RAL colour number (similar)	9010
Sensor element	plastic fibres and bimetal
Internal setting	No
Bearing temperature	-20 ... 60 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	10 (4) A
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Min. switching current	100 mA
With thermostat	Yes
Mounting/attachment	surface mounting
Surface finish	matt
Control range	10 ... 35 °C
Humidifying/dehumidifying control function	Yes
Heating control function	Yes
Cooling control function	Yes
Switching differential	Heating/cooling: 1 K / 4 % r.H.

Switching difference, can be adjusted	No
Switching element	microswitch and bimetal
On/Off switch	Yes
Switching contact	2 two-way contacts
Potential free switching contact	No
Switching power	2300 W
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)	110 mm x 110,7 mm x 26 mm



