

Datasheet RKDSB-171.000

Articlenumber: 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.



Ambient temperature	0 ... 50 °C
Assembly	Complete device
Bearing temperature	-20 ... 60 °C
Can be read off	No
Colour	Pure white
Control range	10 ... 35 °C
Cooling control function	Yes
Degree of contamination	2
Design	Berlin 3000
Dimensions (W x H x D)	110 mm x 110,7 mm x 26 mm
Electric connection	Screw terminals
External setting	Yes
Heating control function	Yes
Housing material	Plastic ABS

Internal setting	No
Max. air humidity (non-condensing)	95 % r.H.
Max. switching current	10 (4) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	Yes
Medium	Air
Min. switching current	100 mA
Min. switching voltage	24 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Number of outputs	6
Operating voltage	230 VAC, 50 Hz / 24 VAC, 50 Hz
Operation	Rotary knob and switches
Output signal	Switching
Potential free switching contact	No
Protection class	II, following appropriate mounting
RAL colour number (similar)	9010
Regelfunktion Befeuchten/Entfeuchten	Yes
Relative humidity setting range	30 ... 100 %
Safety and EMC	In accordance with DIN EN 60730
Schalter Ein/Aus	Yes
Sensor element	Plastic fibres and bimetal
Surface finish	Matt
Switching contact	2 two-way contacts
Switching difference, can be adjusted	No
Switching differential	Heating/cooling: 1 K / 4 % r.H.
Switching element	Microswitch and bimetal
Switching power	2300 W
With thermostat	Yes

