

# Typ: RTBSB-001.910



**Art.-No.:** MA012000

**Features:**

Raumtemperaturregler, mechanisch, AP, 5...30°C, Inneneinstellung, Wechsler, 230VAC, 10(4)A Heizen, 5(2)A Kühlen, reinweiß ähnlich RAL 9010

**Application:**

Control or monitoring of temperatures in closed spaces. Suitable for all heating systems.

Valve actuator: normally closed. If normally open heating valves are available, they should be placed at the cooling output of the changeover switch (toggler).

Up to a maximum of 10 actuators for valves can be connected (normally closed, NC); with a toggler, on the NO contact, up to 5 units (in this context, please check the switching capacity listed in the technical specifications).

Installation note: Owing to the existing wiring space in the controller itself, installation on a flush-mounted socket is recommended, but it can also be performed on a plane, non-conducting substrate.

Explanations of technical terms can be found in the annexe to the product catalogue or at [www.alre.de](http://www.alre.de).

**Technical Data:**

Dimensions of housing:	78,3 x 25,5 x 83,4 mm
Dimensions of packaging:	85 x 35 x 85 mm
Number of outputs:	2
Number, control range:	1
Output signal:	Heizen, schaltend (230 VAC, 50 Hz)
Output signal:	Kühlen, schaltend (230 VAC, 50 Hz)

Operating voltage:	230 VAC, 50 Hz
Design:	Berlin 2000
average power consumption:	
Eco function:	yes
Input of temperature reduction:	ca. 4 K (230 VAC, 50 Hz)
setting range to:	30
setting range from:	5
Electrical connection:	Schraubklemmen 0,12 mm <sup>2</sup> bis 2,5 mm <sup>2</sup>
Colour of housing:	reinweiß, ähnlich RAL 9010
Sensor:	Bimetall
Weight:	ca. 90 g
Output, heating:	yes
Hysteresis:	ca. 0,5 K bei einer Temperaturänderung von max. 4 K / h
Internal setting:	yes
Output, cooling:	yes
Storage temperature:	-20...+70 °C
Material of housing:	Kunststoff ABS
max. switching voltage:	230 VAC, 50 Hz
max. switching current:	Heizen (Klemme 3) 10 (4) A, Kühlen (Klemme 1) 5 (2) A,
mechanical range setting:	no
Medium:	Luft, nicht aggressiv
min. switching voltage:	230 VAC, 50 Hz
Installation/fastening:	Aufputz- / Wandmontage (4-Loch-Befestigung auf UP-Dose)
Surface quality:	matt
potential-free:	no
Control range up to:	30
Control range from:	5
Control function:	Heizen oder Kühlen
Switching element:	Bimetallkontakt
Switching contact:	Umschalter (Wechsler, max. 10 Stellantriebe Ausgang Klemme 3, max. 5 Stellantriebe Ausgang Klemme 1
Switching power:	Klemme 3: 2300 W, Klemme 1: 1150 W
Degree of protection:	IP 30
Protection class:	II, nach entsprechender Montage
Safety and EMC:	gemäß DIN EN 60730
Scale - degrees Celsius:	yes
Set point adjuster:	yes
Part Air Conditioning:	yes
Thermal feedback:	yes
Ambient temperature up to:	30
Ambient temperature from:	0
other/similar items:	weitere Regler mit Ausgängen für Heizen / Kühlen finden Sie unter Klimatechnik
Accessories:	Klemmenleisten: VOORL passende Ventilstellantriebe: ZBOOA-010.100

Permissible atmospheric humidity: max. 95% r. H., nicht kondensierend

**Circuit Diagram:**

