

# Typ: RTBSB-001.110



**Art.-No.:** MA012701

## **Features:**

Raumtemperaturregler, mechanisch, AP, 5...30°C, Wechsler, 230VAC 10(4)A bzw. 24 VAC 2(2)A Heizen, 230VAC 5(2) A bzw. 24 VAC 2(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 bzw. 24 VAC, 50 Hz)

Output signal:	Kühlen, schaltend (230 VAC, 50 Hz bzw. 24 VAC, 50 Hz)
External setting:	yes
Operating voltage:	230 VAC, 50 Hz oder 24 VAC, 50 Hz
Design:	Berlin 2000
average power consumption:	
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. 100 g
Output, heating:	yes
Hysteresis:	ca. 0,5 K bei einer Temperaturänderung von max. 4 K / h
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) 230VAC 10 (4) A bzw. 24 VAC 2 (2) A, Kühlen (Klemme 1) 5 (2) A bzw. 24 VAC 2 (2) A
mechanical range setting:	yes
Medium:	Luft, nicht aggressiv
min. switching voltage:	24 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
Switching power:	Klemme 3: 2300 W bei 230 VAC, 48 W bei 24 VAC, Klemme 1: 1150 W, 48 W bei 24 VAC
Degree of protection:	IP 30
Protection class:	II, nach entsprechender Montage, bei 24 V Schutzklasse III
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 Ventilstantriebe: ZBOOA

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

**Circuit Diagram:**

