R3...
Mechanical room thermostat

R3... is a wall mounted room thermostat for use in HVAC systems. The thermostat can control fans, cooling units, electric heaters, etc.

- ✓ Cooling or heating function
- ✓ Available with on/off or summer/winter switch
- ✓ Well-suited for mounting in small and dry areas

Function

R3... is an electro-mechanical room thermostat intended for wall mounting. The thermostat contains a pair of gas-filled bellows with a stainless steel membrane which reacts to changes in temperature by generating a movement which is transmitted to a change-over relay. The thermostat can control a heating or cooling function.

The R33 and R34 have a LED for activated output indication.

Room temperature control

The temperature setpoint can be adjusted via the temperature wheel. The setpoint range can be mechanically limited.

The R33 thermostat has a manual *on/off* switch.

The R34 thermostat has a manual *summer/winter* switch.

Installation

The thermostat is well-suited for mounting in close and dry areas. It fits a large variety of applications in heating, cooling or air conditioning.

It has two mounting holes on the back for mounting on a wall.

Mounting on wall box

If the thermostat should be mounted on a wall box, there is a possibility to add a seperate back side with mounting holes that fit a regular wall box (see picture under *Accessories*).

The back side is sold seperately.

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R3...

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THE CHALLENGER

Technical data

Contacts	NO/NC 250 V AC 16 (2.5) A
Ambient temperature	Max. 50°C
Ambient humidity	Max. 90 % RH
Protection class	IP20
Colour	White
Weight	128 g

Material

Housing	ABS, fireproof in accordance with UL94 V-0

Models

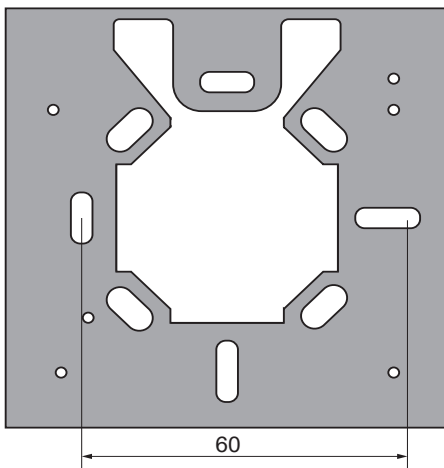| Article	Temperature range	Functions
R31	7...30°C	-
R33	7...30°C	On/off switch
R34	7...30°C	Summer/winter switch

CE

Low Voltage Directive (LVD) standards: This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standards EN 60730-1 and EN 60730-2-9.

RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through standard 50581:2012.
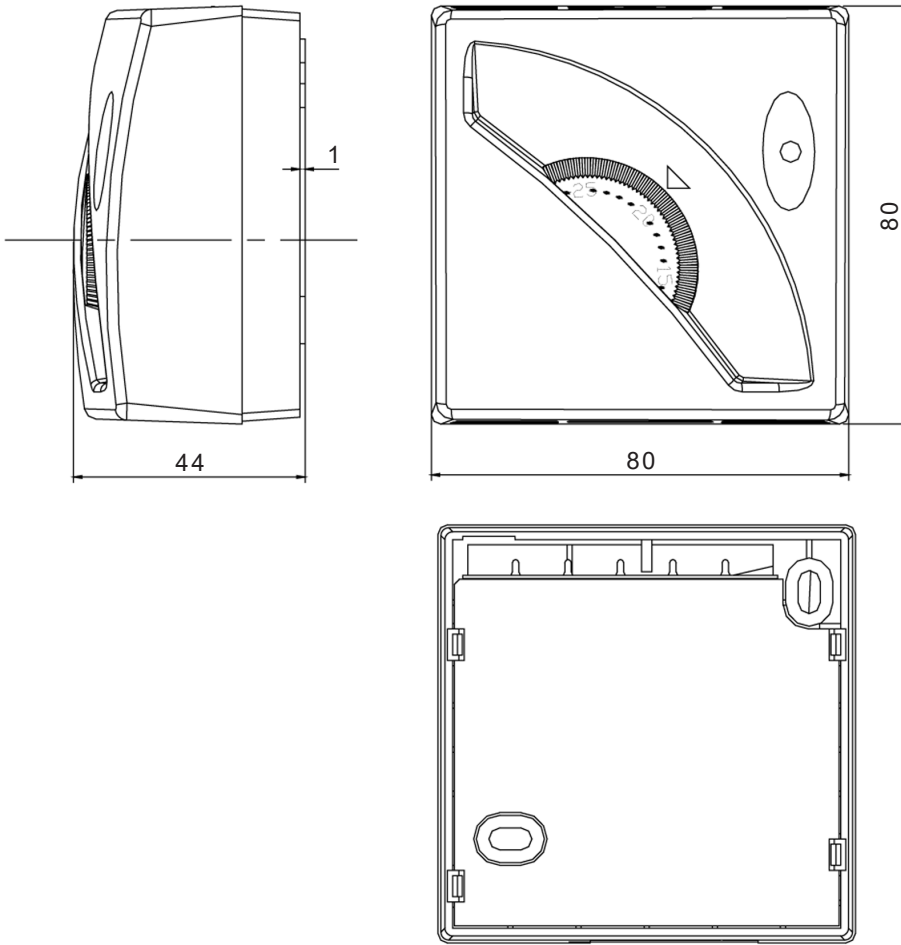
Accessories

Article	Description
SB4095/B	Back side for wall box mounting

Measurements in mm.

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Dimensions

1

44

80

80

Measurements in mm.

Wiring

R31

P
N
U
P   N1
1   3   2   4   5   6
h
230V

R33

P
N
U
P   N1
1   3   2   4   5   6
230V
ON
OFF

R34

P
N
U
P   N1
1   3   2   4   5   6
h
230V
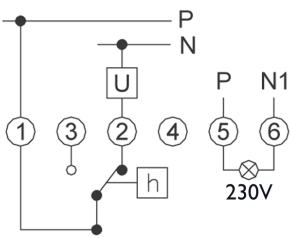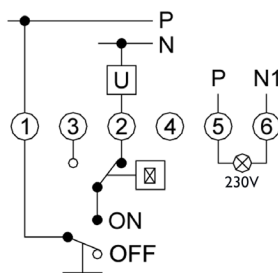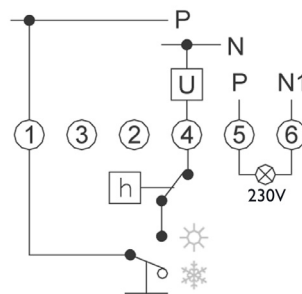
Product documentation

Document	Description
R3... instruction	Instruction for installation and connection of R3...

The product documentation can be downloaded from www.regincontrols.com

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R3...

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