

Room hygro-thermostat, mechanical, one-step

The mechanical room hygro-thermostat **HYGRASREG® RHT**, a room hygrostat with (bimetal) temperature controller, is used for controlling and monitoring the relative humidity (humidifying and dehumidifying) and the temperature in office and residential rooms, baths, winter gardens, labs, computer rooms, etc. RHT is applied in dust-free, pollutant-free, non-aggressive air.

RHT

TECHNICAL DATA

HYGROSTAT	
Power supply:	24...230 V AC > 24 V in dry rooms only according to VDE 0110
Setting range:	35...100 % r. H.
Switching capacity: (Contact load)	Dehumidifying: 5 (0.2) A, min. 100 mA Humidifying: 3 (0.2) A, min. 100 mA
Contact:	1 changeover contact (potential-free)
Sensor element:	plastic fibres
Tolerance:	max. 3 % r. H.
Operating difference:	approx. 4 % r. H.
Enclosure temperature:	0...+60 °C
FUNCTION:	Humidifying: wire terminals 5 and 6 Dehumidifying: wire terminals 5 and 7

THERMOSTAT	
Switching capacity:	10 (4) A, 24 / 230V AC
Control range:	+10...+35 °C
Contact:	1 changeover contact (potential-free)
Sensor element:	bimetal, with thermal feedback
FUNCTION:	Heating: wire terminals 2 and 5 Cooling: wire terminals 3 and 5

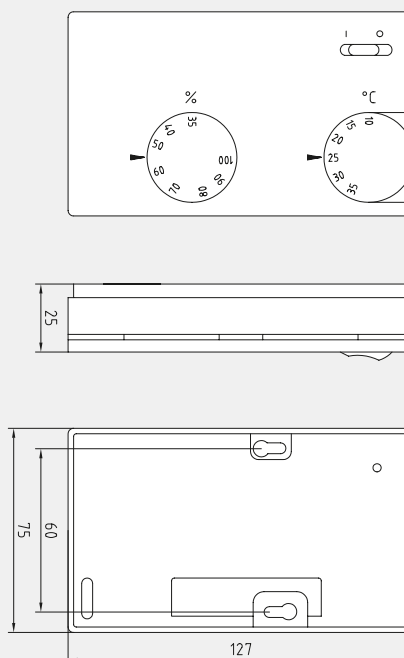
Enclosure:	plastic, material ABS, colour pure white (similar to RAL 9010)
Dimensions:	127.5 x 75 x 28.6 mm
Installation:	wall mounting or on in-wall flush box, Ø 55 mm
Electrical connection:	0.14 - 2.5 mm ² , via terminal screws on circuit board
Protection class:	II (according to EN 60730)
Protection type:	IP 30 (according to EN 60529)
Standards:	CE conformity, EMC directive 2014 / 30 / EU, low-voltage directive 2014 / 35 / EU

ACCESSORIES	When mounting indoor room enclosures on in-wall flush boxes with horizontal fixing holes, adapter frame ARA 1.7 E must be included in the order.
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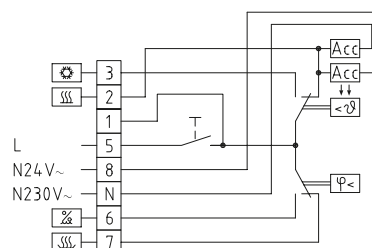
Dimensional drawing

RHT



Connecting diagram

RHT



HYGRASREG® RHT – Room hygro-thermostat

Type / WG02	Setting Range Humidity	Temperature	Steps	Features	Item No.	Price
RHT	External setting					
RHT-1	35...100 % r. H.	+10...+35 °C	one-step	main switch	1202-4010-0000-000	140,13 €
Accessories						
ARA 1,7 E	Adapter frame for in-wall flush boxes				7100-0060-4000-000	5,95 €