

Product data sheet

Room thermostat (heating/cooling) 24 V



Reference number

RTR 241

Room thermostat (heating/cooling) 24 V

for covers ref.-no.: .. 1749 ..

Intended use

- Electronic room thermostat for controlling electrothermal valve drives for AC 24 V (e. g. ref.-no.: TSA 24 NC WW)
- Room temperature control in enclosed areas
- Installation in flush box with dimensions according to DIN 49073

Product characteristics

- Manually setting a comfort temperature
- Temperature limits can be set
- Manually switching off the temperature control
- Cooling mode possible (optimised for heat pumps)
- Input for activation of reduction temperature (ECO) via central clock
- Input for activation of cooling via central control
- Manual activation of cooling
- Internal temperature sensor
- Frost protection function
- Temperature drop detection (call-up of frost protection temperature when window is open)
- Controller output working method: pulse width modulation (PWM) or two-point
- Adaptation to valves (normally open or normally closed)
- Offset adjustment $\pm 3\text{ }^{\circ}\text{C}$ (correction value for measured temperature)
- Valve protection function (once a week opening and closing of valve)
- Multi-colour status LED
- Continuous operation of LED possible

Accessories:

Thermal valve drive 24 V ref.-no.: TSA 24 NC WW

Technical data

Rated voltage:	AC 24 V SELV
Mains frequency:	50/60 Hz
Switching current:	max. 1 A
Connected load:	max. 24 W
Stand-by power:	max. 0.1 W
Temperature range:	approx. $+5\text{ }^{\circ}\text{C}$... $+30\text{ }^{\circ}\text{C}$
Mounting height:	1.50 m
Number of valve drives:	1 ... 5
Cable length:	max. 100 m
Ambient temperature:	$-5\text{ }^{\circ}\text{C}$... $+45\text{ }^{\circ}\text{C}$
Storage/transport temperature:	$-25\text{ }^{\circ}\text{C}$... $+70\text{ }^{\circ}\text{C}$