

# Product data sheet

Room thermostat (heating/cooling) 230 V



## Reference number

RTR 231

## Room thermostat (heating/cooling) 230 V

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

## Intended use

- Electronic room thermostat for controlling electrothermal valve drives for 230 V ~ (e.g. ref.-no.: TSA 230 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 limit of comfort temperature can be set
- Manually switching off the temperature control
- Input terminal for activation of reduction temperature (ECO) via central clock
- Input terminal for activation of cooling via central control
- Manual activation of cooling
- Internal temperature sensor
- Frost protection function
- Noiseless switching
- 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  $\pm 3$  °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 230 V ref.-no.: TSA 230 NC WW

## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Switching current:	max. 100 mA
Connected load:	20 W
Stand-by power:	< 0.5 W
Temperature range:	approx. +5 ... +30 °C
Mounting height:	1.50 m
Number of valve drives:	1 ... 10
Cable length:	max. 100 m
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C