

ST01 Temperature sensor

heating Format 55



The ST01 temperature sensor is a battery-powered radio thermostat for regulating room temperatures ranging from approx. 14 °C - 25 °C. The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list).

The current room temperature is measured cyclically and compared with the adjustable set point. If there are deviations, the appropriate switching command is transmitted to the receiver.

In addition to the daytime operating mode, a nighttime temperature reduction function is available with an separately adjustable set-point temperature.

The sensor works either with ON/OFF commands or with an extended control system via pulse-width modulation (PWM).



ST01E5001-01-02K

Technical specifications

Coding	Easywave
Frequency	868.30 MHz
Channels	1
Range	typically 150 m in good free-field conditions
Power supply	2x 3V-batteries, CR2032
Control modes	ON/OFF PWM (only to be used with RCP22 and RCJ15)
Function	measuring + transmitting temperature data daytime operating mode nighttime temperature reduction frost protection
Control range	approx. +14 °C to +25 °C
Operating temperature	-20 °C to +40 °C
Dimensions (W/L/H)	
Cover	55/55/16.0 mm
Mounting plate	71/71/1.5 mm
Cover frame	80/80/ 9.4 mm
Weight	51g (including batteries and cover frame)
Color	white similar RAL 9003

Scope of delivery

- Temperature sensor
- 2 batteries
- Mounting plate
- Cover frame
- Adhesive pad
- Operating manual

Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
RTS22-ACC-05	Cover frame, white



RTS22-ACC-01-01P



RTS22-ACC-05

Models

Product number	Description
ST01E5001-01-02K	Temperature sensor, Easywave, 1x PWM/ON/OFF, heating, Format 55, white