

## ST01 Radio temperature sensor for 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 on p.29).

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 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	factory coding with Easywave telegram
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 *)
Function	measuring and transmitting temperature data daytime operating mode nighttime temperature reduction frost protection OFF
Control range	approx. +14 °C to approx. +25 °C
Operating temperature	-20 °C to +40 °C
Dimensions	cover: 55 x 55 x 16 mm mounting plate: 71 x 71 x 1.5 mm
Weight	36 g (including batteries)
Color	white similar to RAL 9003

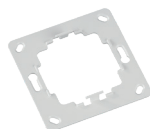
\*) PWM can only be used with RCP15 and RCJ15

### Scope of delivery

- Temperature sensor
- 2 batteries
- Mounting plate
- Mounting kit
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
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RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
ST01E5001-01-02K	Radio temperature sensor for heating 1-channel, Format 55, white	ON/OFF, PWM