

WISE RTS

Temperature sensor - Room Temperature Sensor



QUICK FACTS

- Temperature sensor for wall mounting.
- Integrated radio antenna for wireless communication.

Technical description

Design

Temperature sensor for wall mounting.

WISE RTS with integrated radio transmitter, for use in Swegon's indoor climate system WISE.

Function

Measures temperature of the room air.

Materials and surface treatment

The front-piece is made of PC and the back-piece of PP.

Colour of the front-piece is white NCS S1002-Y and the back-piece is grey, NCS S5500-N.

Installation

Ideally WISE RTS is installed between 1.5 to 1.8 m above the floor, close to a door or middle of the wall, see figure 1.

The temperature sensor should not be exposed to sunlight or draught as this can result in an incorrect temperature reading. Also see the separate Instructions for Use which is supplied on delivery, but can also be downloaded from www.swegon.com.

Commissioning

Use TuneWISE for commissioning. Commissioning must be performed by qualified and trained WISE service engineers.

Maintenance

If necessary, use a dry cloth when cleaning. Never use water, detergent, cleaning solvent or a vacuum cleaner.

Technical data

| | |
|----------------------|--|
| Power consumption: | 240 mAh/year |
| Battery: | 1 of the type AA, LiSOCI2 of 3.6 V (Li-ion) |
| Frequency band: | 2.45 GHz IMS band (2400--2483 MHz) |
| Output (ERP): | 50 mW |
| Range of measurement | |
| Temperature: | 0 – 50°C ± 0.5°C |
| IP class: | IP31 |
| Material: | Front-piece: PC, Back-piece: PP |
| Colour: | Front-piece: NCS S1002-Y, Back-piece: NCS S5500-N |
| Ambient temperature | |
| Operation: | -20 – + 55°C |
| Storage: | -40 – +80°C |
| RH: | 10 – 95% non-condensing |

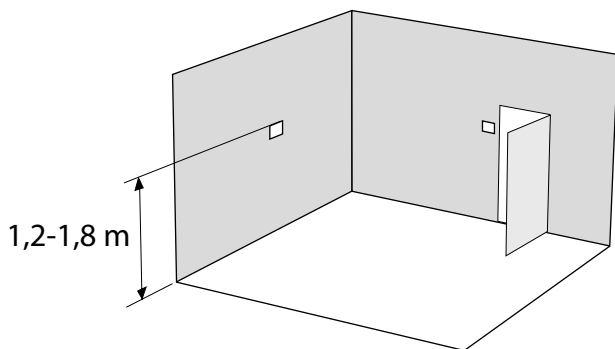


Figure 1. Placement of WISE RTS.

Dimensions and weights Ordering key

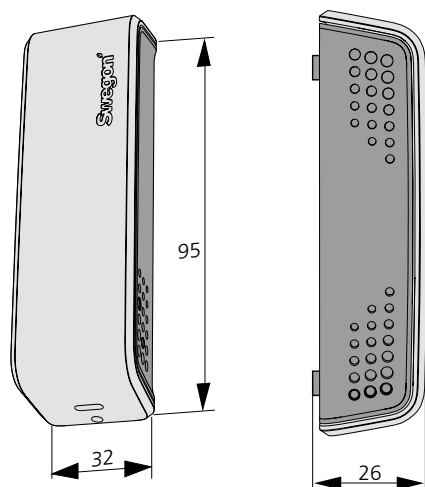


Figure 2. Dimensions, RTS.

| Weight (kg) | |
|--------------------------|-----------------------|
| Without battery 0.040 | With battery 0.058 |

Product

Temperature sensor

WISE RTS a

Version:

Specification text

Example of a specification text according to VVS AMA.

GI XX

Swegon's temperature sensor type WISE RTS with the following functions:

- Temperature measurement
- Wireless communication

Type:

WISE RTSa

xx items