

WISE WCS

Combined window/door contact - Window Contact Sensor



QUICK FACTS

- Window contact for detection of an open window or door.
- Integrated radio antenna for wireless communication.

Technical description

Design

Combined window/door contact that consists of a main part and a magnetic part. WISE WCS has an integrated radio transmitter and is designed for use in Swegon's indoor climate system WISE.

Function

WISE WCS detects whether the window or door where it is installed is open. If this happens contact between the parts is broken and a signal is sent to the WISE system to activate the required functions, such as, frost protection.

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.

The magnetic material is Alnico 5.

Installation

WISE WCS is installed in the window/door frame, the magnet is mounted on the door/window, see figure 1.

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, LiSOCl ₂ of 3.6 V (Li)
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
Ambient temperature	
Operation:	0 – + 55°C
Storage:	-40 – +80°C
RH:	10 – 95% non-condensing



Figure 1. Placement of WISE WCS.

Dimensions and weights Ordering key

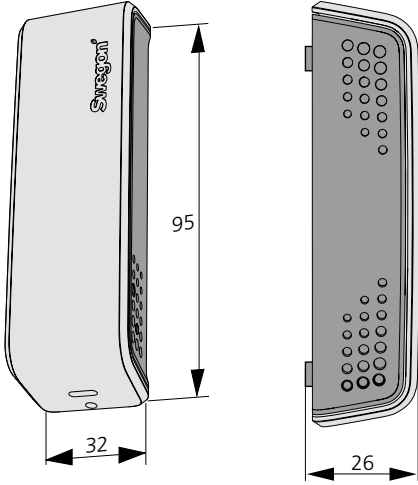


Figure 2. Dimensions, WISE WCS

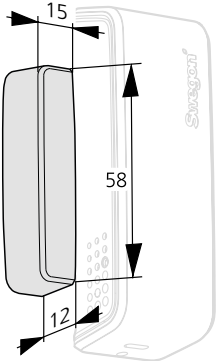


Figure 3. Dimensions, WISE WCS magnet.

Product

Window contact WISE WCS a
 Version:

Accessories

Battery, 1 pcs. Battery AA 3.6 V

Specification text

Example of a specification text according to VVS AMA.

GI XX
 Swegon's window contact WISE WCS with the following functions:

- Sends signals when the window or door is opened and activates the preselected functions.
- Wireless communication
- Battery operation up to 5 years or 24 V AC power supply

Type: WISE WCSa xx items

Weight (kg)		
Without battery	With battery	Magnet
0.040	0.058	0.050