

## Application area

A unit that can receive analogue/digital signal from transducers/sensors within Swegon's indoor climate system WISE that do not have integrated radio communication.

For supplying with 24 V, WISE IRE can also be used as a communication bridge. When two nodes have limited radio communications, WISE IRE is placed between these and boosts communications.

## General

All relevant personnel must acquaint themselves with these instructions before beginning work. Any damages to the product or parts of it due to improper handling cannot be considered subject to warranty if this instruction has not been followed correctly. For further information about the WISE, see the relevant documentation at [www.swegon.com](http://www.swegon.com)

## The packaging contains the following items:

- 1 x Unit WISE IRE
- 1 x Battery of the type AA Li, 3.6 V (non-rechargeable), only WISE IRE incl Battery
- 1 x Screw TX6 (for locking the front-piece on the back-piece)
- 1 x Instructions for use

## Electrical safety

Only a qualified electrician or service personnel trained by Swegon are permitted to carry out any work on the electrical installation or connection of products to the system. Always follow local/national rules for who shall be permitted to carry out this type of electrical installation.

The 24 V isolation transformer must be connected in compliance with IEC 61558-1. Note the supplied battery is not rechargeable.

## Installation

- Check to make sure that the product does not have any visible defects.
- The product must be stored in its ESD packaging until it is to be mounted.
- Choose one of the connection options, battery or voltage supply, see figures 2 or 4.
- The product must be installed so that it is accessible for service/maintenance.
- Fit the cover, lock with the supplied screws, see figure 2.
- Connect in the signal cables, see figure 4. Do not use too long cables as space may be limited in the box.
- Install in a junction box.
- Check that the product and its cables are properly fitted in place after installation.
- Fit the cover on the junction box, see figure 1.

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

## Use

LED, permanent white light: the product is in pairing mode.

## Trouble shooting

Make sure that the product is energized. For power fed via cable, check that 24 V is available as set out in the Technical data section. For power fed via the battery, check the polarity of the battery (+/-).

## Cleaning

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

## Service/maintenance

For power fed via battery, the service interval for battery replacement is calculated to approximately 5 years. This can vary depending on how often the product shall report measurement data/changes. See figure 2 for battery replacement. If you suspect that the product has some defect, please contact Swegon.

## Disposal

Must be handled according to local regulations.

## Warranty

The warranty or service agreement will not be in effect/will not be extended if: (1) The product is repaired, modified or changed, unless such repair, modification or change has been approved by Swegon AB; or (2) the serial number on the product has been made illegible or is missing.

## Technical data

Power supply:	24 V AC ±10% 50-60 Hz, 15-30 V DC
Max. power consumption:	1 VA
Battery:	1 of the type AA, LiSOCl <sub>2</sub> of 3.6 V (Li)
Cable rating, connector:	Screw terminal max. 1.5mm <sup>2</sup>
External input:	1 digital (open/close) or analogue 0-10V DC
Frequency band:	2.45 GHz, IMS band (2400--2483 MHz)
Output (ERP):	50 mW
IP class:	IP20
Material:	Plastic enclosure (PP)
Colour:	NCS S5500-N
Ambient temperature:	Operating: 0 – + 55°C, Storage: -40 – +80°C
RH:	10 – 95% Non-condensing
Weight:	With battery: 58 g, Without battery: 40 g
Dimensions:	W51 x H59 x D27 mm

## Declaration of Conformity

Swegon AB hereby declares that the radio equipment WISE IRE conforms with the Directive 2014/53/EU and Directive 2011/65/EU.

The complete EU Declaration of Conformity is available at Swegon's website: [www.swegon.com](http://www.swegon.com).

This declaration is applicable only if the product has been installed according to the instructions in this document and if no changes have been made on this product.

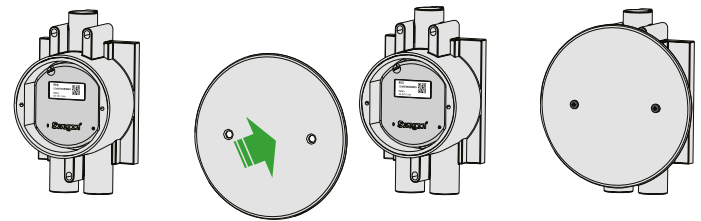


Figure 1. Install in a junction box.

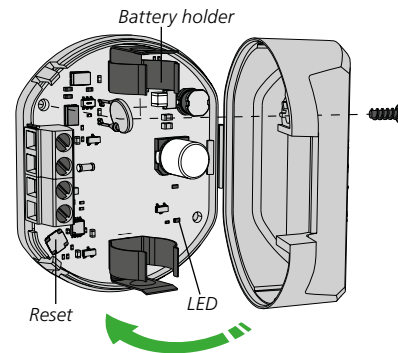


Figure 2. Locking of the case.

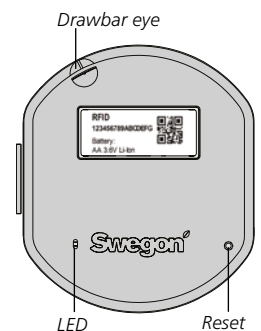
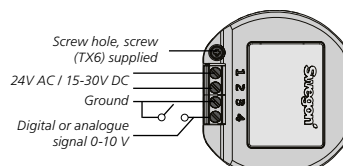


Figure 3. Front-piece.

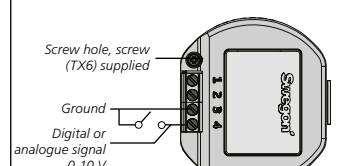
## Connection for the external supply voltage



1. Connection of the power supply G0 0V AC / -0V DC
2. Connection of the power supply G 24V AC / +15-30V DC
3. Ground
4. Digital or analogue signal 0-10 V

NOTE! Terminals 1 and 3 are connected inside WISE IRE. It is important to check the connection of the power supply so that the potential on the ground is correct.

## Connection for supply voltage via battery



1. Not used for battery supply
2. Not used for battery supply
3. Ground
4. Digital or analogue signal 0-10 V

Figure 4. Back-piece.