SRG02

Wireless window handle

thermokon®
HOME OF SENSOR TECHNOLOGY

Datasheet

Subject to technical alteration
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» APPLICATION

Batteryless window handle for status monitoring of windows (option lockable available) with EnOcean technology. When actuated, the handle transmits a radio signal with the handle position to an actuator or central control unit in order, for example, to activate an energy lock. This can be used to optimize energy consumption in the building, since the heating or ventilation is deactivated when the windows are open.

This product is intended for use as part of an automation solution for (functional) buildings. It transmits sensor data within a building over short distances unencrypted by radio to suitable receivers. No personal data or location data is transmitted.

The product cannot communicate directly with the Internet and is not intended for applications that use the Internet to forward unprocessed sensor data. Automation stations that forward data via the Internet, e.g. to visualise the building status, must ensure that the data to be forwarded is encrypted as required by law.

» SECURITY ADVICE – CAUTION

The installation and assembly of the device should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

» NOTES ON DISPOSAL

The crossed-out wheelie bin symbol indicates that the product or removable batteries must not be disposed of with household or commercial waste. Within the EU, you are legally obliged to dispose of the product separately and appropriately in accordance with the national laws of your country. Alternatively, please contact your supplier or Thermokon Sensortechnik GmbH. Further information can be found at: www.thermokon.com

» PRODUCT TESTING AND CERTIFICATION

Declaration of conformity
The declaration of conformity of the products are available on our website
https://www.thermokon.de/direct/en-gb/categories/srg02

»TECHNICAL DATA

Radio technology	EnOcean (IEC 14543-3-10), transmission power <10 mW EEP F6-10-00
Frequency	868 MHz
Antenna	internal transmitting antenna
Power supply	maintenance-free, electrodynamic energy generator
Transmission interval	turning the window handle
Enclosure	aluminium pure white painted, aluminium steel grey, stainless steel
Ambient condition	+5..+40 °C, max. 80% rH non-condensing
Mounting	Square spindle, variable lengths (for tread depth 32..42 mm), *Special lengths on request*
Notes	lockable (option)

»INFORMATION ABOUT EASYSENS® (RADIO) / AIRCONFIG GENERAL USAGE

EasySens® - airConfig
Basic information about EasySens® radio and about general usage of our airConfig software, please download from our website.
https://www.thermokon.de/direct/files/airconfig-software-manual-en.pdf

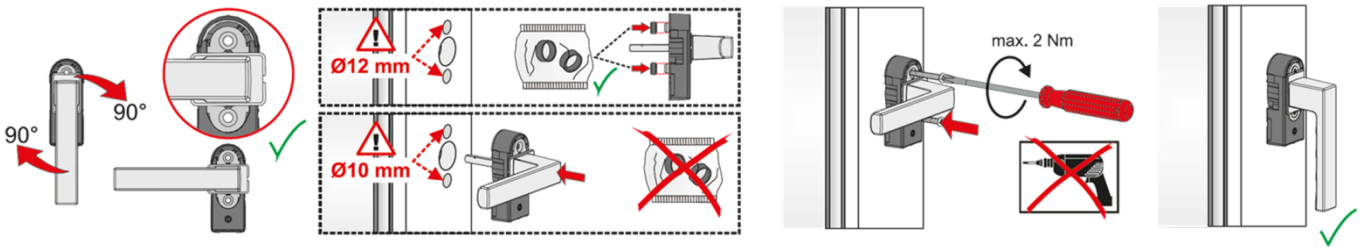
»OVERVIEW OF THE RADIO TELEGRAMS

EEP
The structure of the data contained in the telegram can be found in the EEP (EnOcean equipment profile) list provided by the EnOcean Alliance.

»MOUNTING ADVICE

First, the old window handle must be dismantled. Therefore, the window handle must be turned into the position “open”. Release the fixing screws and remove the window handle.

Afterwards, process as follows:

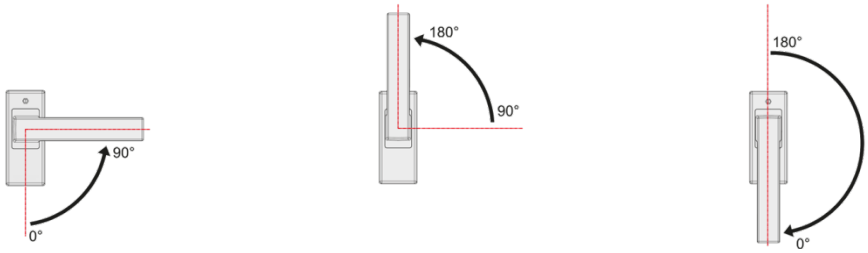


Put the window handle in the 90° position and rotate the cover by 90°.

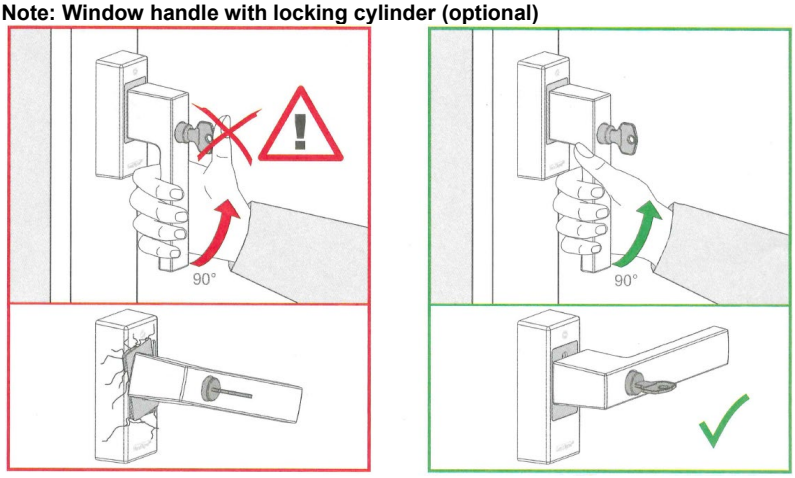
Put the window handle including the wireless transmitter to the window profile and tighten the window handle and the wireless transmitter by means of the supplied thread screws to the window profile. Afterwards, the cover should be turned back into the closed position.

»FUNCTION DESCRIPTION

The window handles must be turned to an exact vertical or horizontal position to function properly.



Note: Window handle with locking cylinder (optional)



In the closed position (0° position) the window handle can be locked with a key and thus has an additional burglar-resistant security function. Only by unlocking (turning the key) can the handle be brought into the tilt position (90° position).

»TEACH-IN PROCESS

The teach-in process of the window handle should ideally be done before mounting the same to the windows. Mounting is only made after the teach-in process. To effect teach-in process, the corresponding receiver is put into the learn mode. Afterwards, the window handle shall be turned from the closed position into the opened position and back again.

Further information on the programming can be found in the data sheet of the corresponding receiver.

»DIMENSIONS (MM)