sygonix®

GB **Operating instructions**

RS2W wireless wall switch, 1 channel

Item no. 1761757 (white)
Item no. 1761769 (black)

CE

Latest operating instructions

Download the latest operating instructions via the link www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

Explanation of symbols

An exclamation mark in a triangle indicates important instructions in this operating manual that absolutely have to be observed.

→ The arrow symbol indicates specific tips and advice on operation.

Delivery content

- RS2W wireless wall switch
- Battery CR2032
- Operating instructions

Intended use

The radio remote control can wirelessly switch a suitable receiver of the wireless RS2W system (or a user connected to it) on or off. The radio wall switch is operated via a type "CR2032" battery.

As a special feature the radio wall switch responds back per LED whether the programmed radio receiver (max. 5) of the RS2W radio system has received the key commands or not.

It is intended for indoor use only. Do not use it outdoors. Contact with moisture, e.g. in bathrooms, must be avoided under all circumstances.

For safety and approval purposes, you must not rebuild and/or modify this product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause hazards such as short circuiting, fire etc. Read the instructions carefully and keep them. Make this product available to third parties only together with its operating instructions.

This product complies with the statutory national and European requirements. All company names and product names are trademarks of their respective owners. All rights reserved.

Safety instructions

Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

a) General

- The device is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. This may become dangerous playing material for children.
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Do not place the product under any mechanical stress.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. Safe operation can no longer be guaranteed if the product:
  - is visibly damaged,
  - is no longer working properly,
  - has been stored for extended periods in poor ambient conditions or
  - has been subjected to any serious transport-related stresses.
- Please handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.
- Also observe the safety and operating instructions of any other devices which are connected to the product.
- Do not use this product in hospitals or medical institutions. Although transmitters of the RS2W system only emit relatively weak radio signals, these may lead to the malfunctioning of life-support systems. The same may also apply to other areas.
- The product must not get damp or wet!
- Consult an expert when in doubt about operation, safety or connection of the device.
- Maintenance, modifications and repairs are to be performed exclusively by an expert or at a qualified shop.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.

b) Batteries

- Correct polarity must be observed while inserting the batteries.
- Batteries should be removed from the device if it is not used for a long period of time to avoid damage through leaking. Leaking or damaged batteries might cause acid burns when in contact with skin, therefore use suitable protective gloves to handle corrupted batteries.
- Batteries must be kept out of reach of children. Do not leave batteries lying around, as there is risk, that children or pets swallow them.
- All batteries should be replaced at the same time. Mixing old and new batteries in the device can lead to battery leakage and device damage.
- Batteries must not be dismantled, short-circuited or thrown into fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

Inserting/replacing the battery

→ Delivery includes a "CR2032" type battery. This is possibly already inserted in the battery compartment. In this case a protective synthetic strip between battery and battery contacts prevents early recharge; remove it.

- Remove the rocker switch by inserting a flathead screwdriver between frame and rocker switch and subsequently levering out the rocker switch carefully.
- Place a battery of type "CR2032" with the correct polarity (or remove the protective synthetic strip). The plus pole of the button cells points from you outward.
- Snap the rocker switch on again, pay attention to the correct orientation (transparent opening the rocker switch must be above the LED).

→ Pay attention to the next chapter "Assembly" in case the wall-mounted switch must be screwed on, before you snap on the rocker switch.

- The batteries need to be replaced if the range of the radio wall switch is significantly reduced or the function LED no longer lights when the button is pushed.

Assembly

→ Test the functioning of the radio wall switch and the registered radio receiver before you securely mount the radio wall switch.

- **Adhesive attachment**

  Use double-sided adhesive tape to attach the radio wall switch to an appropriate surface. This must be smooth, clean and grease-free.

- **Screw assembly**

  Remove the rocker switch by inserting a flathead screwdriver between frame and rocker switch and subsequently levering out the rocker switch carefully.

  Remove the central section (with the electronics) from the frame by loosening the lateral clips.

  The frame can now be attached with 2 - 4 suitable screws and, if appropriate, plugs. Pay attention when drilling and tightening the screws that no cable or pipes are damaged.

  Reassemble the radio wall switch in a reversed order.

Operation

→ Keep a minimum distance of 20 - 30 cm between the radio wall switch and the radio receiver.

a) Resetting the radio wall switch

Perform a reset before the initial startup and tune in the radio receiver(s) after that.

A reset also deletes all radio receivers tuned in/saved (e.g. when you want to reset the radio wall switch to the default setting).

Proceed as follows to perform a reset:

- Press the "O" and "I" buttons on the rocker switch at the same time (approx. 3 seconds) until the LED flashes red (then release rocker switch for 1 - 2 seconds).
- Press the "O" and "I" buttons on the rocker switch again for approx. 6 seconds, until the LED flashes blue. Then, release the rocker switch again.

b) Programming a radio receiver to the radio wall switch

→ On every radio transmitter of the RS2W radio system, up to 5 different radio receivers (e.g., radio switchable socket) can be programmed. However, do not mix radio switch and dimmer.

- Switch the radio receiver of the RS2W radio system you want to tune in to via its operator push button (see operation manual for the respective radio receiver).

- Hold the “O” and “I” buttons of the left or right rocker switch of the radio wall switch depressed (approx. 3 seconds) until the LED flashes red.
- Hold down the operator push button on the radio receiver until the programming process at the radio wall switch is complete. In this case the radio wall switch LED flashes blue and then disappears.
- The radio receiver switches on to indicate the end of the programming process.

→ When 5 radio receivers have already been programmed on the radio wall switch then the LED’s flash during a programming attempt as described above.

However, the radio receiver is not programmed and does not react to key commands from the radio wall switch.

c) Removing a radio receiver from the radio wall switch

→ Please proceed as described in the programming process.

d) Turning on/off a programmed radio receiver

Briefly press the “I” button on the rocker switch of the radio wall switch to switch the programmed radio receiver on. By briefly pressing the “O” button on the rocker switch of the radio wall switch the programmed radio receiver is switched off.

→ When more than one radio receiver is programmed at the radio wall switch (up to 5 are possible) all radio receivers are switched on or off.

When the key command of the radio receiver is recognized the radio wall switch returns the confirmation; the radio wall switch LED flashes blue for 0.5 seconds. If there is no confirmation, the radio wall switch LED flashes red.

This way you always know whether the radio receiver (e.g., a radio switchable socket) performed the key command or not.

→ If more than one radio receiver is programmed (up to 5 are possible) the LED only flashes blue when **all** radio receivers have recognized the key command and the radio wall switch has received the confirmation.

e) Operating a dimmer

→ There is also a dimmer available for the RS2W radio system (e.g., radio socket with dimmer). Of course, this can be controlled by the radio wall switch.

Please follow the operating instructions to the dimmer when so doing.

f) Deleting a defect/lost radio receiver and subsequently programming a new radio receiver

It goes without saying that defect or lost radio receivers can no longer be deleted from the radio wall switch (see above under chapter c). This way a replacement radio receiver cannot be programmed.

Procedure 1:

- Press at least twenty times successively the button “I” (or “O”) and wait at least a second between each time.
- Hold both buttons (“I” and “O”) pressed down at the same time (for roughly three seconds) until the LED blinks red (then let go of both buttons).
- Now press button “I” (**or** “O”) down so long (for roughly six seconds) until the LED blinks blue. Then release the button.

The defective/missing radio receiver is deleted.

Procedure 2:

Perform a reset at the radio wall switch (see above under a). Here, however, all programmed radio receivers are deleted from the radio wall switch and must be programmed again.

Procedure 3:

When the radio wall switch of a radio receiver has not responded to a key command for at least 20x the internally occupied memory is released.

→ The memory is not erased, but only released to be overwritten by a new programming process (see chapter b). As long as no new radio receiver is programmed, the data is retained!

This prevents that a radio receiver that temporarily cannot be reached (and you press 20x or more the “I” or “O” button on the rocker switch) will be deleted inadvertently. A successful response resets this internal counter.

If, therefore, a defective or lost radio receiver be “erased” like this, press at least 20x successively the “I” (or “O”) button on the rocker switch and leave a short break of at least one second between each key confirmation.

Subsequently the released memory can now be used to tune in a new radio receiver, (see chapter b).

→ If the defect/lost radio receiver is not replaced by another/new one a reset must be performed as described in “Procedure 2”.

For this reason the LED on the radio wall switch will not flash blue, because one of the registered radio receivers (the defect/lost one) does not send a feedback signal about the successful reception of the key command to the radio wall switch.

Alternatively you can proceed according to “Procedure 1” in order to delete immediately the defective/missing radio receiver.

Range

The transmission range of the radio signals between the radio wall switch and the radio receiver is up to 150 m under optimum conditions.

→ This value, however, is the so-called “open space range” (the range when transmitter and receiver are in line of sight, without interference).

In practice, however, there may be walls, room ceilings, etc. between the transmitter and the receiver which reduce the range accordingly.

Due to the different influences on the radio transmission, no specific range can be guaranteed. However, trouble-free operation is usually possible in a single family house.

Sometimes the range can be considerably reduced due to:

- Walls, reinforced concrete ceilings, light-weight walls with metal post and beam construction
- Coated/metallised insulated glass
- Proximity to metallic & conductive objects (e.g., heating elements)
- Proximity to human bodies
- Other devices using the same frequency (e.g. wireless headphones, wireless loudspeakers)
- Proximity to electric motors/devices, transformers, power adapters, computers

Care and cleaning

- Apart from the occasional battery change, the product is maintenance-free.
- Clean the product with a soft, clean, dry cloth.
- Never use aggressive cleaning agents or chemical solutions since these could damage the surface of the casing or impair operation.

Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.

→ Click on the following link to read the full text of the EU declaration of conformity: www.conrad.com/downloads

Select a language by clicking on a flag symbol and enter the product order number in the search box. You can then download the EU declaration of conformity in PDF format.

Disposal

a) Product

Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product according to the relevant statutory regulations.

Remove any inserted batteries and dispose of them separately from the product.

b) Batteries

You as the end user are required by law (Battery Ordinance) to return all used batteries. Disposing of them in the household waste is prohibited.

Contaminated batteries are labelled with this symbol to indicate that disposal in the domestic waste is forbidden. The designations for the heavy metals involved are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on batteries, e.g. below the trash icon on the left).

Used batteries can be returned to collection points in your municipality, our stores or wherever batteries are sold.

You thus fulfil your statutory obligations and contribute to the protection of the environment.

Technical data

Power supply	1x battery of type “CR2032”
Transmission frequency	868.000 - 868.600 MHz
Transmission range	max. 150 m (in open area)
Transmission power	10.84 dBm
Number of receivers	max. 5
Ambient conditions	0 to +45 °C, 0 - 90 % RH (non-condensing)
Dimensions (W x H x D)	80 x 80 x 11 mm
Weight	approx. 47 g (without battery)

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represent the technical status at the time of printing.

Copyright 2019 by Conrad Electronic SE.

*1761757_769_V2_0419_02_mxs_m_en