sygonix ®

GB Operating instructions

RS2W wireless outdoor switch socket

Item no. 1761778

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

The lightning symbol inside a triangle is used when there is a potential risk of personal injury, such as electric shock.

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.

Observe the operating instructions!

Delivery content

• RS2W wireless outdoor switch socket
• Operating instructions

Intended use

This product is used to remotely switch a connected electrical consumer on and off. To do this, a suitable radio transmitter of the RS2W radio system is necessary. The connected consumer can also be switched on or off manually using a button at the front.

The product is intended for one load with a maximum power/current consumption or 3500 W/15.2 A (resistive load) resp. 600 W/2.6 A (inductive load). The product is only suitable for outdoor use. Power is supplied over a common household power outlet (230 V/AC, 50 Hz).

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, electric shock 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.

• 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, strong jolts, 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.
• The product is designed in accordance with protection class I. Only a safety outlet such as a wall socket for the public supply grid may be used as a power source.
• The mains socket into which the product is plugged must be readily accessible.
• The product is equipped with an enhanced protection against accidental contact. An integrated mechanism will release the holes of the receptacle only, if the two prongs of a power plug are inserted into the two holes at once.
• Take special caution when children are around. Children cannot recognize the danger arising from the incorrect use of electrical devices. There is a risk of a life-threatening electric shock!

• The product is protected according to IP44; it can be mounted and operated outdoors. It is essential however, to ensure the correct operating position (see chapter "Connection / Start-up").

  Never use the product in or under water, there is a danger of a fatal electric shock!
• Keep the product away from strong magnetic fields occurring near machines or electric motors.
• Do not use this product in hospitals or medical institutions. Although transmitters of the RS2W wireless 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.
• Never touch, operate, plug in or unplug the product with damp or wet hands. There is a risk of a life-threatening electric shock! The same applies for the load that is plugged in the socket of the product.
• Never connect the product to the power supply immediately after it has been transferred from a cold room into a warm one (e.g., during transport). The condensation that forms might destroy the device. Moreover, there is danger of electric shock!

  Allow the device to reach room temperature before switching it on. Wait until the condensation has evaporated. This might take several hours. Only then the product may be plugged in to the mains socket and put into use.
• Always pull a mains plug out of the radio-controlled switch socket on the gripping surface. Never unplug a mains plug from a mains socket by pulling the cable.
• Never overload the product. Observe the maximum connected load in the chapter "Technical Data".
• Do not connect in series! This can lead to an overload of the radio-controlled switch socket! There is a risk of fire!

• Do not operate while it is covered! At higher connected loads, the radio-controlled switch socket becomes warm, which can lead to overheating and potentially a fire if covered!
• Current-free only when the plug is withdrawn!
• Do not use the product if it is damaged. There is a risk of a life-threatening electric shock! In this case, dispose of the product in an environmentally correct manner.
• Always pull the radio-controlled switch socket out of the mains socket (e.g. wall socket) before cleaning it or when the device will not be in use for a long time (e.g. for storage).
• Although the product is suitable for outdoor use, you must never aim the water jet of a garden irrigation system or a pressure washer at the wireless switch socket.

  If any liquid has still managed to enter the device, immediately turn off the power supply to the mains socket at which the product is connected (turn off the fuse / circuit breaker / residual current operated circuit breaker of the associated circuits). Only then can you unplug the radio-controlled switch socket from the mains socket and contact a specialist. Do not use the product any longer.
• Use the product only in a temperate climate, never in a tropical climate.
• 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.

Connection and start-up

• Plug the radio-controlled switch socket into a regular grounded mains socket (wall socket) of the public supply grid.

  For outdoor use, the power outlet which is utilized must at least comply with protection class IP44.
• The wireless switch socket must only be used in an outdoor area in such a way that the protective covering can open upwards. The arrow in the picture to the right indicates "up".

• Lift up the protective flap up and plug the power plug of the load into the socket of the wireless switch socket.

  Only an IP44 power plug may be used as a power adaptor for the use outdoors.
• Move the protective flap back down so that it lies on the power plug. Do not block the protective flap.

Switching the load on/off using the button

• Briefly press the button at the front of the radio-controlled switch socket to switch the connected load on or off.
• An LED in the button indicates the current switch state:
  - LED on: Mains socket/load is switched on
  - LED off: Mains socket/load is switched off

Programming the radio-controlled switch socket to recognise a radio transmitter

→ The wireless switch socket can be programmed to recognise a radio transmitter of the RS2W radio system.

Before programming, observe the operating instructions of the radio transmitter you intend to use.

Maintain a minimum distance of 20 - 30 cm between the wireless switch socket and the transmitter. Otherwise, programming process may fail.

• If the radio-controlled switch socket is switched on (LED in the button is on, the connected consumer is activated), switch the radio-controlled switch socket **off**.

To do this, briefly press the button, the LED in the button should go out.

→ The radio-controlled switch socket must be switched off (LED in the button is off); otherwise, programming cannot be done.

• Start the programming procedure at the transmitter.

Example: Both buttons "ON" and "OFF" of the desired switch channel (e.g. channel 1) of the 12-channel hand-held transmitter of the RS2W system must be pressed simultaneously until the red LED of the hand-held transmitter starts flashing. Release both buttons, the red LED continues to flash, the programming mode is activated.

• Press the button at the radio-controlled switch socket until the programming process on the transmitter is complete.

Example: The LED at the 12-channel hand-held transmitter of the RS2W system lights up blue and then goes dark. Release the button of the radio-controlled switch socket now.

• The radio-controlled switch socket switches on to indicate the end of the programming process. The blue LED in the button lights up.

→ Up to 5 receivers can be added to a switch channel of a transmitter of the RS2W system. This means, for example, that you can switch up to 5 radio-controlled switch socket on or off simultaneously by pressing one button.

It is also possible to register the radio-controlled switch socket on several transmitters.

⚠ The dimmer for the RS2W radio control system may not be registered together with a radio switch in a single switch channel! Always programme it to a separate channel of the radio transmitter.

Deleting a programmed radio-controlled switch socket from a transmitter

The procedure is exactly the same as for programming the radio-controlled switch socket to the transmitter. You can find further information in the operating instructions of the used transmitter of the RS2W system.

Switching on/off wirelessly

• The radio-controlled switch socket can only be switched on or off wirelessly when it is programmed to a transmitter of the RS2W system.

• To do this, observe the operating instructions of the used radio sender.

Range

• The transmission range of the radio signals between the radio transmitter of the RS2W radio system and the wireless socket 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 visible to each other, without interfering influences).

• In practice, however, there may be walls, room ceilings, etc. between the transmitter and the receiver which will 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

• The product does not require any maintenance. You should not open/dissemble it. Repair or maintenance work must be carried out by a specialist.

• Before cleaning, disconnect the wireless switch socket from the power supply. To do this, pull it completely out of the mains socket. Disconnect a connected load from the radio-controlled switch socket.

• You can use a clean, dry, soft cloth for cleaning. Dust can be very easily removed with a soft, clean brush and a vacuum cleaner.

• Do not use aggressive, chemical or scouring cleaning agents, as this may lead to discolouration or changes in the material on the surface.

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

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.

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

Technical data

Operating voltage	230 V/AC, 50 Hz
Power consumption	approx. 0.4 W (off) or 1 W (on)
Power rating	resistive load:
	max. 3500 W (max. 15.2 A)
	inductive load:
	max. 600 W (max. 2.6 A)

→ Devices with mainly resistive load are e.g., light bulbs, heaters, etc.

Devices with inductive load are, e.g., engines, control gears, conventional transformers, energy saving bulbs, etc.

Transmission/receiving frequency	868.000 - 868.600 MHz
Transmission/receiving range	max. 150 m (in open area)
Transmission power	<14 dBm
Protection class	I
Protection grade	IP44
Enhanced protection against accidental contact	yes
Ambient conditions	-20 to +45 °C, 0 - 90% RH (non-condensing)
Dimensions (W x H x D)	58 x 120 x 42 mm (without plug)
Weight	approx. 149 g