

# sygonix®

GB Operating instructions

## RSL wireless built-in dimmer

Item no. 1761746

### Latest operating instructions

Download the latest operating instructions via the link [www.conrad.com/downloads](http://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.

### Delivery content

- RSL wireless built-in dimmer
- Operating instructions

### Intended use

This wireless inbuilt dimmer is intended for turning connected consumer loads on or off, either manually via a push button on the device or via a suitable remote switch (e.g. 1-channel wireless wall switch).

Power is supplied to the wireless inbuilt dimmer via 230 V/AC, 50 Hz. An resistive load from 40 W up to a maximum of 300 W can be connected.

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, 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, 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.
- Check the product for damage before each use! If you notice any damage, do not use the product any longer! There is a risk of a life-threatening electric shock!
- If the product casing is damaged, do not use the product any more! When it is connected to the mains, do not touch the wireless inbuilt dimmer or the connected device! Make sure the radio installation dimmer is disconnected from the power supply. Take the product to a specialist workshop or dispose of it in an environmentally friendly way.
- Ensure that the insulation for the entire product is neither damaged nor destroyed. Never disassemble the product! There are no serviceable parts inside.

- Do not use this product in hospitals or medical institutions. Although the product emits only relatively weak radio signals, these may lead to the malfunction of life-support systems. The same may be the case in other areas.
- Keep the product away from strong magnetic fields occurring near machines, electric motors or loudspeakers.
- Power is supplied to the wireless inbuilt dimmer via 230 V/AC, 50 Hz. An resistive load from 40 W up to a maximum of 300 W can be connected. The wireless inbuilt dimmer is not intended for inductive loads.
- The wireless inbuilt dimmer is only intended for use in dry indoor locations.
- Never touch the wireless inbuilt dimmer with wet or damp hands. There is a risk of a lethal electric shock!
- Make sure that the connections for the wireless inbuilt switch are voltage free during installation.
- An all-pole disconnection from the mains voltage (such as a surge protector) must be provided as part of the wiring set-up.
- Do not overload the wireless inbuilt dimmer (take note of the input power in the technical data at the end of the operating manual!).
- 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.

### Installation and Connection



**The wireless inbuilt dimmer is only intended for use in dry indoor locations.**

**The wireless inbuilt dimmer is suitable, for example for flush-mounted sockets Ø68 mm (e.g. Conrad item no. 624926 or item no. 612132). Before the wireless inbuilt dimmer can be installed, it must be connected.**

**Make sure that the connections for the wireless inbuilt dimmer are voltage free during installation.**

**The connection cables must not be kinked or squeezed. This can result in malfunctions, short circuits and defects in the device.**

**Make sure that cables or wires are not damaged when drilling or bolting in place.**

#### Connection:

- Power is supplied to the wireless inbuilt dimmer via 230 V/AC, 50 Hz. An resistive load from 40 W up to a maximum of 300 W can be connected.


Make sure the the power supply cables are voltage-free during connection.

#### Connecting the wireless inbuilt dimmer:



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### Terminal clamp for the wireless inbuilt dimmer:

<b>Terminal clamp N IN:</b>	Connect the neutral lead to the power cord.
<b>Terminal clamp N OUT:</b>	Connect the neutral lead to the dimmer.
<b>Terminal clamp :</b>	Connect the hot lead to the dimmer.
<b>Terminal clamp IN L:</b>	Connect the hot lead to the power cord.

- Insert the wireless inbuilt dimmer into a suitable flush-mounted socket (e.g. flush-mounted sockets Ø68 mm item no. 624926 or item no. 612132).

### Programming the wireless inbuilt dimmer to recognise a wireless remote switch

- Switch the power supply to the wireless inbuilt dimmer on. The LED on the wireless inbuilt dimmer starts to flash.
- Press the button “I” on the wireless wall switch or the corresponding “ON” button e.g. on a wireless remote control, before the LED stops blinking. The LED on the wireless inbuilt dimmer goes out. The programming has been completed successfully.

### Programming the wireless inbuilt dimmer to recognise multiple wireless remote switches

➔ **Up to 10 radio channels can be programmed for the wireless inbuilt dimmer.**

- Press the “ON/OFF Learning Code”, on the wireless inbuilt dimmer, until the LED starts blinking red.

- Press the button “I” on the wireless wall switch or the corresponding “ON” button e.g. on a wireless remote control, before the LED stops blinking. The LED on the wireless inbuilt dimmer goes out. The programming has been completed successfully.

### Deleting programmed wireless inbuilt dimmers from a remote switch

- Press the button “I” and “O” on the wireless wall switch simultaneously, or the buttons “ON” and “OFF” (this applies e.g. to a radio remote control) for the switching channel to which the wireless inbuilt dimmer was programmed. The LED on the wireless inbuilt dimmer then starts blinking.
- Press the button “O” on the wireless wall switch, or press the buttons “ALL-ON” and “ALL-OFF”, on a remote control, simultaneously. The LED goes out. All wireless inbuilt dimmers have been deleted successfully from the remote control.

➔ **To delete one single wireless inbuilt dimmer from the remote control, press the corresponding OFF button for the switch channel, to which the wireless inbuilt dimmer was programmed, instead of pressing the buttons “ALL-ON” and “ALL-OFF”.**

### Start-up, Function Test

- Make sure that the wireless inbuilt dimmer is supplied with power (230 V/AC, 50 Hz).

You can now test the function of the wireless inbuilt dimmer by pressing the “I” button on the wireless wall switch. The red LED on the wireless inbuilt dimmer flashes briefly; the mains voltage is available and a connected consumer load is turned on.

- Press the “O” button on the wireless wall switch or the “OFF” button on a remote control, briefly and the LED goes out; the mains voltage is unavailable and a connected consumer load is turned off.

The wireless inbuilt dimmer can be switched on or off manually using the “ON/OFF Learning Code” button located on the front.

### Dimmer Function

- Press the “I” button on the wall transmitter or the “ON” button on the wireless remote switch. The wireless inbuilt dimmer is activated.
- Press the “I” button on the wall transmitter or the “ON” button on the wireless remote switch. The dimmer function is activated.
- Press the “I” button again or the “ON” button on the wireless remote switch. The dimmer function is deactivated.

### Transmission range

- The transmission range of the radio signals between the wireless wall switch and the wireless inbuilt dimmer is up to 70 m under optimum conditions.

➔ **This value, however, is the so-called “open space range” (range the transmitter and receiver are visible to each other, without interfering influences).**

**In practical operation, however, there are walls, ceilings of rooms 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 detached house.**

The range can sometimes be limited considerably by:

- Walls, reinforced concrete ceilings
- Coated/metallised insulated glass
- Proximity to metal & conducting objects (e.g. radiators)
- Proximity to human bodies
- Broadband interferences, e.g. in residential areas (DECT telephones, mobile phones, radio-controlled headphones, radio-controlled speakers, radio-controlled weather stations, baby phones etc.)
- Proximity to electric motors, transformers, power-supply units, computers
- The proximity to improperly shielded or uncovered operating computers or other electric appliances

### Care and cleaning



The product does not require any maintenance and should never be opened or disassembled for any reason.

- Before cleaning the product, disconnect the wireless inbuilt dimmer from the power supply.
- Only clean the product with a soft, clean, dry cloth. Never use aggressive cleaning agents or chemical solutions since these might damage the surface of the casing or impair the 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](http://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
Connected power .....	40 W up to 300 W resistive load
	This product is not suitable for connection to inductive loads.
Reception frequency.....	433 MHz
Programmable remote switch .....	max. 10
Range .....	up to 70 m
Operating temperature .....	0 to +35 °C
Dimensions (L x W x D).....	approx. 53 x 70 x 33 mm
Weight .....	approx. 57 g

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