

Up-to-date Operating Instructions

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Explanation of Symbols



The symbol with the lightning in the triangle is used if there is a risk to your health, e.g. due to an electric shock.



The symbol with the exclamation mark in the triangle is used to indicate important information in these operating instructions. Always read this information carefully.



The arrow symbol indicates special information and advice on operation.

Delivery Content

- Wireless selection switch
- 4 cable connections
- Mounting material (screws, wall plugs)
- Operating instructions

Intended Use

The wireless selection switch is intended for independently switching on and off up to two devices with a suitable wireless transmitter of the RSL system.

The permitted connected loads for the devices and their operating voltages can be found in the chapter "Technical Data".

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 result in short circuits, fires, electric shocks or other hazards. Read the instructions carefully and store them in a safe place. 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.

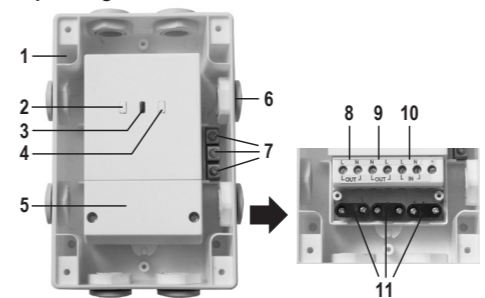


a) General Information

- 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, steam 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.
- Do not use this product in hospitals or medical institutions. Although RSL System transmitters 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 may only be operated on mains voltage (see sections: "Installation and Connection" and "Technical Data"). Never try to operate the product at another voltage, as this will result in destruction of the product.
- Only carry out the installation and connection when all the mains cables to the inbuilt wireless switch are disconnected from the mains voltage. Otherwise, there is a risk of a life-threatening electric shock!
- The product may be mounted in indoor and outdoor areas (housing with protection type IP66). However, it must not be installed in or under water. Water can seep into the product, which will destroy it. Furthermore, this could cause a lethal electric shock!
- An all-pole disconnection from the mains voltage (such as a surge protector) must be provided as part of the wiring set-up.
- The product may only be assembled and operated in a stationary condition; the product is not suitable for installation and operation in vehicles.
- Do not mount or use this product in rooms or under adverse environmental conditions where combustible gases, vapours or dust are or may be present! There is a risk of explosion!
- In commercial institutions, the accident prevention regulations of the Employer's Liability Insurance Association for Electrical Systems and Operating Facilities are to be observed!
- Consult an expert when in doubt about operation, safety or connection of the product.
- Maintenance, modifications and repairs must only be completed by a technician or an authorised repair centre.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.

Operating Elements



- 1 Opening for mounting the housing to a wall
- 2 Button for switching channel 1
- 3 LED
- 4 Button for switching channel 2
- 5 Cover for screw terminals/pull reliefs
- 6 Filler plug (x 8)
- 7 3x terminals for protective conductor
- 8 Output L/N for switching channel 1
- 9 Output L/N for switching channel 2
- 10 Input L/N and PE (earth symbol)
- 11 Pull reliefs

Installation and connection



Please refer to the section "Safety instructions"!

The wireless inbuilt switch can be mounted at a suitable place. The housing of the wireless inbuilt switch is protected according to IP66. Thus, it may be installed in unprotected outdoor areas. Make sure that the housing is never in or under water.

The wireless inbuilt switch must be disconnected from the mains supply during installation. Turn off the mains supply, by switching off the appropriate circuit breaker or by pulling out the fuse. Secure it against unauthorised reconnection, e.g., with a danger sign.

Furthermore, turn off the earth leakage circuit breaker to disconnect all the poles from the mains voltage.

Check that the mains connection is current free with a suitable tester.

- Open the cover of the protective housing by removing the 4 screws on the top with a screwdriver. You can then remove the cover.
- The complete inbuilt switch unit can be removed from the housing.
- Remove the two screws on the cover (5) and remove the cover. The screw terminals for the two outputs/switching channels (8 + 9), the input for power supply (10) and the pull reliefs (11) for the connection cables are situated under the cover.
- Depending on the installation location and the position of the connecting cables, up to 4 filler plugs (6) can be used instead of the 4 cable connections provided. Makes sure that the rubber seals of the cable connections make good contact with the housing and are not kinked.

- Depending on the type of wall, suitable screws and wall plugs are required for mounting the housing to a wall.



Select an installation location that is not in direct vicinity to other transmitters. Maintain distance to metal parts as this can reduce the range considerably.

If you have to drill holes for wall plugs, mark the installation location on the wall through the four holes (1) at the housing corners. The distance between the holes is 100 x 80 mm, as indicated on the back of the housing.

Pay attention when drilling and tightening the screws that no cables or pipes are damaged.

- Push the power cable and the connection cables for the devices through the cable connections.
- Slacken the three pull reliefs.
- Connect the power cable with the input (10) of the wireless inbuilt switch (L = phase/brown cable, N = neutral wire/blue cable, PE = protective each conductor/yellow-green cable).
- Connect the screw terminals of the two switching channels with the devices, e.g. to two lights.



Each switching channel can be used for an ohm resistive load of up to 2000 W or an inductive load of 300 W.

The total power must not exceed 2000 W.

- The three separate terminals (7) are provided to connect the protective earth conductor or you can use the common cable terminals, which can be housed in the housing of the wireless inbuilt switch. If more than one of the terminals (7) is used, the terminals must be connected to each other.

- Tighten the screw of the pull reliefs (11).
- Replace the cover (5) and tighten the screws.
- Screw the lock nuts of the cable connections so that the cables are securely fixed. Sealing is only guaranteed when this is done.
- Now, switch on the mains voltage.

→ Before placing the cover onto the housing of the wireless inbuilt switch and screwing it tight, the device must be programmed to the used wireless transmitter(s).

When this is done successfully, the housing must be closed and screwed tight. Subsequently, the device is fully operational.

Operation

a) Programming the wireless inbuilt switch to function as a wireless transmitter

The wireless inbuilt switch can be programmed to any wireless transmitter of the RSL system, e.g. a wireless wall transmitter or a wireless remote control (both not included in the delivery but can be purchased separately).

→ Each of the two switching channels of the wireless inbuilt switch can be programmed to 8 different wireless transmitters of the RSL system. This way, the connected devices can be switched on or off e.g. from several locations.

Both switching channels are independent of each other. Thus, each switching channel must be programmed separately. With this method, it is possible for both switching channels to react to, for example, one transmitter channel or for each switching channel to react separately to e.g. transmitter channel 1 and/or 2 etc.

Proceed as follows:

- Keep one of the buttons (2/4, depending on which switching channel is to be programmed) pressed down for more than 3 seconds) until the LED (3) starts flashing.

The programming mode will be active for 15 seconds before it switches off automatically.

- When the programming mode is activated (the LED flashes), hold the "On" button on the wireless inbuilt switch (button "I") or the corresponding "ON" button on the remote control pressed (for more than 3 seconds) until the LED is permanently lit and the unit connected to it is switched on.

The tuning process has been completed successfully. The programming mode will be exited automatically.

→ Ensure that both switching channels of the wireless inbuilt switch are independent of each other. If both switching channels are to react to a single channel of the wireless transmitter, the transmitter must be programmed to both switching channels of the wireless inbuilt switch consecutively.

- If another wireless transmitter (e.g. a wireless wall transmitter or a remote control of the RSL system) is to be programmed to the wireless inbuilt switch, the programming mode must be re-activated. Please proceed as described above.

b) Removing a single wireless transmitter from the wireless inbuilt switch

If you want to use the switching channel on a wireless transmitter (wall switch or remote control) e.g. for another wireless switch of the RSL system, the transmitter can be released as follows from the wireless inbuilt switch:

- Keep one of the buttons (2/4, depending on the switching channel from which the transmitter is to be removed) pressed down (for more than 3 seconds) until the LED (3) starts flashing.

The programming mode will be active for 15 seconds before it switches off automatically.

- When the programming mode is activated (LED flashes), hold the "Off" button on the wireless inbuilt switch (button "O") or the corresponding "OFF" button on a remote control pressed (for more than 3 seconds) until the LED goes out.

The wireless transmitter is now removed from the respective switching channel of the wireless inbuilt switch. The programming mode is terminated automatically.

→ Ensure that both switching channels of the wireless inbuilt switch are independent of each other. If both switching channels are to react to a single channel of the wireless transmitter, the transmitter must be programmed to both switching channels of the wireless inbuilt switch consecutively.

- If another wireless transmitter (e.g. a wireless wall transmitter or a remote control of the RSL system) is to be programmed, the programming mode must be re-activated. Please proceed as described above.

c) Removing all wireless transmitters from the wireless inbuilt switch

If all wireless transmitters are to be removed from one of the two switching channels of the wireless inbuilt switch, proceed as follows:

- Keep one of the buttons (2/4, depending on the switching channel from which all transmitters are to be removed) pressed down (for more than 3 seconds) until the LED (3) starts flashing.

The programming mode will be active for 15 seconds before it switches off automatically.

- Hold the same button pressed again for at least 3 seconds until the LED (3) goes out. All wireless transmitters are now removed from the switching channel.

If the wireless transmitters are also to be removed from the other switching channel of the wireless inbuilt switch, proceed as described above and press the other button.

→ Ensure that both switching channels of the wireless inbuilt switch are independent of each other. If all wireless transmitters are to be removed from the wireless inbuilt switch (this will reset the wireless inbuilt switch to its delivery condition), the wireless transmitters must be removed from switching channel 1 first and then from switching channel 2.

d) Trial switching on/off of the devices using the buttons of the wireless inbuilt switch

To test functionality, the device connected to the wireless inbuilt switch can also be switched on and off using the respective button of the switching channel.

Briefly press the desired button of the wireless inbuilt switch in order to switch the device connected to the respective switching channel on or off.

e) Function test

If you haven't already done so, the wireless inbuilt switch must be programmed to a wireless transmitter of the RSL system (e. g. to a wireless wall switch or a remote control).

→ Both switching channels of the wireless inbuilt switch are independent of each other and must be programmed separately to the transmitter(s).

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

- Press the "I" button on the wireless wall switch or the "ON" button of the switching channel on your remote control to which the respective switching channel of the wireless inbuilt switch was programmed.

The switching output is activated and a connected device will be switched on.

- To deactivate the switching output and switch off the connected device, briefly press the "O" button on the wireless wall switch or the "OFF" switch of the switching channel on your wireless remote control, to which the respective switching channel of the wireless inbuilt switch was programmed.

→ The range between a transmitter of the RSL system and the wireless inbuilt switch is up to 70 m. However, this value is the so-called free-field range, which is the theoretic range in an environment without walls, buildings, trees, etc.

The practically achievable range is dependent on the installation location of the wireless inbuilt switch, the position of the transmitter as well as the local conditions and can be considerably lower than the specified 70 m.

Care and Cleaning

The product is maintenance-free. Any maintenance or repair work may only be performed by an expert.

To clean the exterior of the wireless inbuilt switch, a dry, soft and clean cloth is sufficient. Do not use aggressive cleaning agents, as these can cause discolouration.

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

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 in accordance with applicable regulatory guidelines.

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

Technical Data

Operating voltage	230 V/AC, 50 Hz
Transmission frequency	433.05 ~ 434.79MHz
Transmission distance	70 m (open area)
Protection class	IP66
Switching outputs	2
Cable cross-sectional area for screw terminals	1.0 to 2.5 mm ²
Max. connection load per switching channel	Resistive load: 2000 W Inductive load: 300 W
Total connection load (combined).....	2000 W
Operating conditions	-20 to +55 °C, 0% – 90% relative humidity
Dimensions (H x W x D)	approx. 155 x 105 x 52 mm
Weight	347 g

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