

important safety instructions radio devices

1. General information

Electrical devices, packaging material, batteries, etc. are not toys and do not belong within the reach of children. Packaging and wearing materials must be disposed of in an environmentally friendly manner.

2. Important safety instructions:

- ① Read the operating instructions carefully and keep them. Only pass the product on to other people together with the operating instructions.
- ① If you do not observe the safety instructions and information in these operating instructions, we are not liable for any injuries or property damage that may result. In addition, the warranty/guarantee expires in such cases.
- ① The product is not a toy. Keep the device, accessories and packaging away from children.
- ① Handle the product with care. It can be damaged by bumps, hits or falling from a small height.
- ① Download the current operating instructions from www.diw-gmbh.de/diw-punkt/DP_download.html
- ① Contact with moisture must be avoided at all costs. Protect the product from extreme temperatures, direct sunlight, strong shocks, high humidity, moisture, vapors and solvents.
- ① For safety and regulatory reasons, you may not convert and/or modify the 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 circuits, fire, etc.
- ① If safe operation is no longer possible, take the product out of service and protect it from unintentional use. Safe operation can no longer be guaranteed if the product shows visible damage, no longer works properly, has been exposed to unfavorable environmental conditions or has been subjected to transport loads.
- ① Do not use this product in hospitals or medical facilities. Although the transmitter of the radio remote control only emits relatively weak radio signals, these can also lead to malfunctions in life-support systems. The same may apply in other areas. The maximum transmission power is <10 dBm
- ① **Handling batteries:**
 - ① Remove the battery if you don't use the device for a long time to avoid damage caused by leakage. They can cause acid burns on skin contact.
 - ① Do not leave batteries lying around, they could be swallowed by children or pets.
- ⚠ **Do not ingest the battery!** Risk of burns from hazardous substances. A product may contain a button cell or battery. If a button cell/battery is swallowed, severe internal burns can occur in as little as 2 hours and can result in death.
 - ① => Keep new and used batteries away from children! If you think batteries have been swallowed or are in any part of the body, seek medical help immediately.
 - ① If the battery compartment does not close securely, stop using the product and keep it away from children and pets.
 - ① Do not disassemble, short-circuit, or throw batteries into fire. Never attempt to charge non-rechargeable batteries. There is a risk of explosion

⚠ **Die allgThe rules of electrical engineering must be observed in any case.**

3. Battery law, dangers & safety, information on environmental protection

At the end of its useful life, this product must not be disposed of with normal household waste, but must be taken to a collection point for the recycling of electrical and electronic equipment. This is indicated by the crossed-out wheeled bin symbol on the product, instructions for use or packaging.



Batteriesgesetz: Some devices come with batteries that are used to operate the devices. These can be permanently installed in the devices. We are obliged to inform our customers of the battery ordinance in connection with the sale of batteries:

Please dispose of all batteries as required by law, disposal in household waste is expressly prohibited. You can hand in the batteries and rechargeable batteries at municipal collection points or in local shops free of charge. Batteries purchased from us can also be returned to the following address after use with proof of purchase. Please post sufficiently: DIW-GmbH, Balanstr. 89 b, 81539 Munich. We replace the letter postage. Batteries that contain harmful substances are marked with the symbol of a crossed-out garbage can, the symbols are the chemical names of the harmful substances contained. "Cd" stands for cadmium, "Pb" for lead, "Hg" for mercury, "Li" for lithium, "Ni" for nickel, "Mh" for metal hydride and "Zn" for zinc. The materials are recyclable according to their labeling. By reusing, material recycling or other forms of recycling old devices, you are making an important contribution to protecting our environment. Please ask the municipal administration for the responsible disposal point.

4. Guarantee, guarantee: Legal regulations apply. There is no warranty claim for damage caused by non-observance of the operating instructions (short form and online instructions). Liability or further claims, in particular claims for compensation for personal injury or damage to property caused by non-functioning or faulty functions, are excluded.

Current and detailed information on the Internet:

▶▶ https://www.diw-gmbh.de/FAQ_index.html ◀◀

DIW-GmbH hereby declares that the „DIW-Funk“ radios DMS-20 and DIS-10 (RSW883T1-B | RSW883T2-A) are in accordance with the basic requirements and the other relevant provisions of Directive 2014/53/EU.

Declarations of Conformity online at: https://www.diw-gmbh.de/DIW-Punkt/DP_Download.html

Errors, design changes and technical data are subject to change without prior notice in the interests of constant product improvement (06-2022). Made in China.



Importer:
DIW Dipl.-Ing. Weber office equipment GmbH,
Balanstrasse 89b, DE-81539 Munich.
WEEE-Reg.-Nr.: DE47592106 | LUCID-Reg-Nr.: DE4746603811223

Description of the devices, compatibility lists, FAQs and certificates can be found on the manufacturer's website

▶ <https://www.diw-gmbh.de/DIW-Funk> ◀



Instruction manual for the DMS-20 micro twin transmitter (RSW883T1-B) + Voltage monitor DIS-10 (RSW883T2-A)

Intended Use:

Twin-Sender: the DMS-20 is connected to a standard light switch and turns it into a radio transmitter. **Every mechanical switch becomes a radio transmitter!** After you have programmed the receiver, the transmitter will send a signal to the receiver when you press the wall switch. This signal is then used to turn the connected device on and off.
Voltage monitor DIS-10: An insulated core of a 230V electrical cable is routed through the ring magnet of the DIS-10. This allows the DIS-10 to recognize whether the voltage is switched on or off. It then sends an "ON" radio signal when voltage is detected and a radio "OFF" signal when voltage is lost to a matching receiver of a DIW radio system.

The products are powered by a 3 V lithium battery (type: CR2477)
 Use only indoors, not outdoors. Contact with moisture, e.g. in the bathroom etc. is to be avoided.

It is imperative that you observe the safety measures listed below during installation and operation.

The DMS-20 or DIS-10 sends an "ON" and "OFF" signal via the function key

- Briefly press the function key (1), you will see the LED flashing blue for approx. 3 seconds. An ON signal (blue) is now sent.
 - If you press the button again briefly, you will see the LED flashing red for approx. 3 seconds. An OFF signal (red) is now sent.
- When a receiver is in learn mode, the ON signal is also sent to learn and the OFF signal to erase a code.

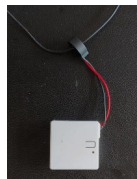
Connection and installation of twin transmitter DMS-20



- Choose a suitable, dry and undisturbed installation location where you want to install the product.
- Connect the radio transmitter to the switched contacts of a normal wall switch as shown in the illustration. The wall switch should be a bistable switch (ON/OFF rocker switch). A wall switch opens or closes the circuit of the two cables when actuated.
- The second pair of cables can be connected in the same way to a second switch for another DIW radio receiver.

When connecting the product to wall switches already installed, remove all otherwise connected live conductors. The DMS-20 may only be connected to dead wall switches.

Connection and installation of voltage monitor DIS-10



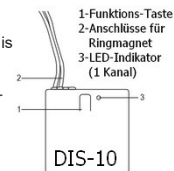
- Usually mount the switch in a flush-mounted box where you want to monitor the presence of a 230V voltage, for example behind a light switch. Feed the jumper wire through the ring magnet of the voltage monitor. In normal operation, the product detects whether or not there is voltage in the monitored line, e.g. of the light switch. If the voltage is applied or switched off again, this is detected.
- The radio transmitter sends an "ON" signal to the receiver when Voltage in the conductor is switched on and an "OFF" signal when the voltage in the conductor disappears.
- The consumer connected to the receiver will switch on or off accordingly.

Teaching the DMS-20 or DIS-10 to a radio receiver

- Now connect the connecting wires to any de-energized light switch as shown in the illustration. Switch the wall transmitter ON and OFF until the red LED flashes.
- Put the receiver you want to be taught into the teach-in mode according to the description of the receiver.
- If the teach-in mode is now activated on the receiver, toggle the light switch. Now the blue LED will flash for 3 seconds, which means the transmitter is sending an ON signal to the receiver. The receiver recognizes this, ends the teach-in mode and the transmission code is saved.
- Repeat the teach-in process in the same way for other receivers if necessary.

Deleting the transmission code on the receiver (applies to both models)

- If you no longer want a receiver to react to the transmitter, you can delete the transmission code according to the receiver's operating instructions. The code is stored on the receiver, the transmitter setting remains the same
- press the wall switch so that the LED (3) flashes blue.
- Put the receiver in learning mode (e.g. press the receiver's learning button for 3 seconds or switch it on (see receiver description) so that the receiver's LED starts flashing.
- toggle the wall switch so that the LED (3) flashes red and then stops flashing, the receiver LED stops flashing, the erasing process is complete.



Replacing the battery (applies to both models)

- Replace the battery (CR2477) when the transmitter stops working or when you notice a significant decrease in range as follows:
- Carefully separate the two halves of the housing with your fingernails or a screwdriver.
 - The two halves of the housing are held together by small tabs. At least two of the three tabs must be pressed to open the case. Be careful not to break the tabs when opening the case.
 - Remove the used battery
 - Insert a CR2477 battery with correct polarity. The positive pole (+) must be placed on the round hole in the cover.
 - Place the two halves of the case on the contacts of the circuit board (with the battery in the battery compartment) and gently press them together until the tabs snap into place.
- Make sure all cables protruding from the transmitter are in the correct inlets and are not pinched.

Technical data (both models)

Batterie CR2477
 Battery life At least 3 years
 Transmission frequency..... 433.05 - 434.79 MHz
 Transmission range max. 50 m (open area)
 Transmission power.....<10dBm
 Operating/storage conditions... 0 to +45 °C, 0-90% relative humidity (not condensing)
 Dimensions (W x H x D) 41 x 41 x 15 mm

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