



1 Operating Instructions for download

Use the link www.conrad.com/downloads (alternatively scan the QR code) to download the complete operating instructions (or new/current versions if available). Follow the instructions on the web page.

2 Intended use

This product is designed to prevent unauthorised access to doors (e.g. in an office) and to activate/disable alarm systems.

The product is intended for vertical installation on a wall.

Note:

The product has an IP66 ingress protection rating and is suitable for outdoor use. Is installed correctly, the product is protected against dust and water spray from all directions. Do not submerge.

If you use the product for purposes other than those described, the product may be damaged.

Improper use can result in short circuits, fires, or other hazards.

The product complies with the statutory national and European requirements.

For safety and approval purposes, you must not rebuild and/or modify the product.

Read the safety instructions and any accompanying instructions carefully and store them in a safe place. Make this product available to third parties only together with the safety instructions and any accompanying instructions.

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3 Delivery contents

- Access system
- Fasteners:
 - 2x special screws with matching L-key
 - 4x screw head stickers
 - Mounting frame
 - 4x mounting screws
 - 4x dowels
- Master transponder
- 1N4004 diode (for relay changeover contact)
- IR remote control (with one CR2025 lithium battery)
- Programming guide
- Safety sheet
- Operating instructions (see: [Operating Instructions for download](#) ► 1)

4 Description of symbols



The symbol warns of hazards that can lead to personal injury.



The symbol warns of dangerous voltage that can lead to personal injury by electric shock.

5 Safety instructions



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

5.1 General

- The product 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.
- If you have questions which remain unanswered by this information product, contact our technical support service or other technical personnel.
- Maintenance, modifications and repairs must only be completed by a technician or an authorised repair centre.

5.2 Handling

- Handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.

5.3 Operating environment

- Do not place the product under any mechanical stress.
- Protect the appliance from extreme temperatures, strong jolts, flammable gases, steam and solvents.
- Protect the product from high humidity and moisture.
- Protect the product from direct sunlight.

5.4 Operation

- Consult an expert when in doubt about the operation, safety or connection of the product.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. DO NOT attempt to repair the product yourself. 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.

5.5 Battery

- Correct polarity must be observed while inserting the battery.
- The battery 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.
- Batteries must not be dismantled, short-circuited or thrown into fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

5.6 Drilling



When penetrating the surface (example: drilling or inserting fasteners), make sure no cables or pipes are damaged. Inadvertently penetrating electric cables causes the life-threatening danger of an electric shock! Check for concealed wires and pipes before drilling or inserting fasteners.

5.7 Installation or maintenance



WARNING

Risk of electric shock!

Switch the power OFF and/or disconnect the power supply at the circuit breaker before installation or maintenance.

Always ensure that electrical work is carried out by a qualified electrician and in accordance with local regulations and standards.

6 Cleaning and care

Important:

- Do not use aggressive cleaning agents, rubbing alcohol or other chemical solutions. They damage the housing and can cause the product to malfunction.
- Do not immerse the product in water.

1. Clean the product with a dry, fibre-free cloth.

7 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

Enter the product item number in the search box. You can then download the EU declaration of conformity in the available languages.

8 Disposal

8.1 Product



This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life.

Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options **free of charge** (more details on our website):

- in our Conrad offices

- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

8.2 (Rechargeable) batteries

Remove batteries/rechargeable batteries, if any, and dispose of them separately from the product. According to the Battery Directive, end users are legally obliged to return all spent batteries/rechargeable batteries; they must not be disposed of in the normal household waste.



Batteries/rechargeable batteries containing hazardous substances are labelled with this symbol to indicate that disposal in household waste is forbidden. The abbreviations for heavy metals in batteries are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on (rechargeable) batteries, e.g. below the trash icon on the left).

Used (rechargeable) batteries can be returned to collection points in your municipality, our stores or wherever (rechargeable) batteries are sold. You thus fulfil your statutory obligations and contribute to environmental protection.

Batteries/rechargeable batteries that are disposed of should be protected against short circuit and their exposed terminals should be covered completely with insulating tape before disposal. Even empty batteries/rechargeable batteries can contain residual energy that may cause them to swell, burst, catch fire or explode in the event of a short circuit.

9 Technical data

9.1 Power supply

Input	12 - 18 V/DC
Power consumption	<30 mA (standby)

9.2 Product

Max. reading distance	approx. 3 cm
Data retention in case of a power cut	yes
Transponder compatibility	Commercially available EM transponders: 125 kHz
Output	Potential-free single-pole changeover contact (relay) Max. contact rating 24 V/DC, 2 A Adjustable switching time (1 - 99 seconds or toggle mode; default setting: 5 seconds)
Wiegand connection	yes (output = 26-bit protocol, input = 26/34-bit protocol with automatic recognition)
Memory	Transponders: 900 (890 user transponders, 10 visitor transponders) Fingerprints: 100 (99 user fingerprints, 1 master fingerprint)

9.3 Remote control

Battery	1x CR2025 3 V/DC battery
Range	approx. 1 m

9.4 Wireless module

Wireless frequency band	1.246 - 1.254 kHz GHz
Reading distance (max.)	approx. 3 m
Wireless transmission power	11.62 dBm

9.5 Environment

Ingress protection	IP66
Mounting location	indoors/outdoors
Operating temperature	-40 to +60 °C

9.6 Others

Dimensions (W x H x D) (approx.) .	86 x 86 x 25 mm
Weight (approx.)	250 g

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