



Safety Instructions

Access System – Wi-Fi/Rfid/Fingerprint

Item no. 3060831

1 Product documentation

The product is documented by different sets of instructions:

- Safety information
- Programming sheet
- Installation and hardware operating instructions (for download)
- Mobile app setup and operating instructions (for download)

Use the link www.conrad.com/downloads (alternatively scan the QR code) to download the 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 via doors (e.g. in an office) and to activate/disable alarm systems. The product can be controlled via the following authentication methods:

- Keypad (PIN authentication)
- Transponder (Smart card authentication)
- Fingerprint
- Mobile app (Tuya Smart Life - Smart Living) (PIN and remote authentication)

You can store a maximum of 900 PIN/transponders and 100 fingerprints for different user types.

Successful user authentication activates a potential-free relay changeover contact.

The product is intended for vertical installation on a wall and is suitable for indoor and outdoor use (IP66).

For safety and approval purposes, do not rebuild and/or modify this product. Using the product for purposes other than those described above may damage the product. In addition, improper use can cause hazards such as a short circuit, fire or electric shock.

Read the operating instructions carefully and store them in a safe place. Only make this product available to third parties together with its operating instructions.

The product complies with statutory, national and European regulations. All company and product names contained herein are trademarks of their respective owners. All rights reserved.

3 Explanation of symbols



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



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

4 Delivery content

- Access system (with 90cm cable)
- Master card
- L-key
- 2x screws
- 2x dowels
- 1N4004 diode (for relay changeover contact)
- Safety information
- Programming sheet

5 Safety instructions



Damage caused due to failure to observe these instructions will void the warranty/guarantee! We shall not be liable for any consequential damage!

We shall not be liable for damage to property or personal injury caused by incorrect handling or failure to observe the safety information! Such cases will void the warranty/guarantee.

- This product is not a toy. Keep it out of the reach of children and pets.
- Protect the product from extreme temperatures, impacts, flammable gases, vapours and solvents. The access system is suitable for indoor and outdoor installation and use (IP66).
- Handle the product carefully. Jolts, impacts or a fall even from a low height may damage the product. Do not expose the product to any mechanical stress.
- Do not mount or connect the product when it is connected to a power supply.
- The contact rating for the changeover contact is specified in the section "Technical data" and must not be exceeded.



Caution!

Never switch the mains voltage, as this can cause life-threatening electric shock!

- Always observe safety information and operating instructions for the other devices (e.g. door opener, alarm system) to which the product is connected.
- If it is no longer possible to operate the product safely, stop using it and prevent unauthorised use. Safe operation of the product can no longer be guaranteed if it shows visible signs of damage, malfunctions, has been exposed to unfavourable storage conditions or significant transport loads.
- For installations in industrial facilities, follow the accident prevention regulations for electrical systems and equipment issued by the national safety organisation or the corresponding national authority.
- Do not leave packaging material lying around carelessly. It may become a dangerous plaything for children!
- Maintenance, modifications and repairs must be carried out only by a skilled technician or a specialist

repair centre.

- If you are not sure how to operate the product correctly, or if you have any questions that are not answered in these operating instructions, contact us or another specialist.

6 Disposal



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.

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 Technical data

8.1 Software

Mobile appTuya Smart Life – Smart Living

8.2 Power supply

Power supply12-18V/DC

Current consumptionstandby <= 60 mA; max. <= 150 mA

8.3 Access

Wiegand interface.....Yes; 26 - 44 bits input and output

Suitable transponders.....Commercially available EM transponders for frequency 125 kHz

Data retention in case of a power cut.....Yes

Card reading distancemax. 3 cm

Card frequency range.....124.6 - 125.4 kHz

Card transmission power.....11.62 dBm

Memory cells for transponders/PINs1000 (988 common user, 2 panic users, 10 visitor users)

Memory cells for fingerprints100 (of which 99 user fingerprints and 1 master fingerprint)

WiFi frequency.....2.4GHz

WiFi standardIEEE 802.11b/g/n

WiFi frequency range2412 - 2472 MHz

WiFi transmission power16.39 dBm

WiFi distancemax. 25 m (in open area)

8.4 Output

Type.....Floating single-pole changeover contact (relay)

Max. contact rating24 V/DC, 2 A

Adjustable switching time(1 - 99 seconds or toggle mode; default setting 5 seconds)

8.5 Environment

Mounting locationIndoors/outdoors

Protection classIP66

Ambient conditionsTemperature -30 to +60°C

8.6 Others

Material.....Zinc-alloy

Cable lengthapprox. 90 cm

Dimensions (WxHxD)166 x 45 x 22 mm

Weightapprox. 387g