basIP

USER MANUAL

MR-03KP



UKEY READER WITH KEYPAD



Main features

- Supported cards, key fobs, and identifiers: EM-Marin (ASK & FSK 125 kHz), MIFARE® (Ultralight, Mini, Classic 1K/4K, Plus, DESFire EV1/EV2) [ISO 14443 Type A 13.56 MHz], UKEY mobile access (BLE 2.4 GHz, NFC ISO 14443/15693), PIN code.
- Reading range: Up to 70 mm, UKEY — up to 12 m.
- Reading speed of identifiers: 0.5 s.
- Interfaces: Wiegand Auto, 26, 32, 34, 37, 40, 42, 56, 58, 64, 80 bits, RS-232.
- Keyboard: 0–9 / * / #.
- Indication: Dual LED, Sound.
- Working temperature: -40 — +65 °C.
- Power consumption: 90 mA (max).
- Power supply: +9 — +13.5 V DC.
- Cable length from reader to controller: Up to 150 m.
- Protection class: IP65.
- Material: ABS+PC plastic
- Dimensions of the device: 43 × 158 × 16 mm.
- Installation: Wall mounting (surface mounting).

The specifications and appearance of the device may differ from those stated or may change without prior notice.

UKEY READER WITH KEYPAD

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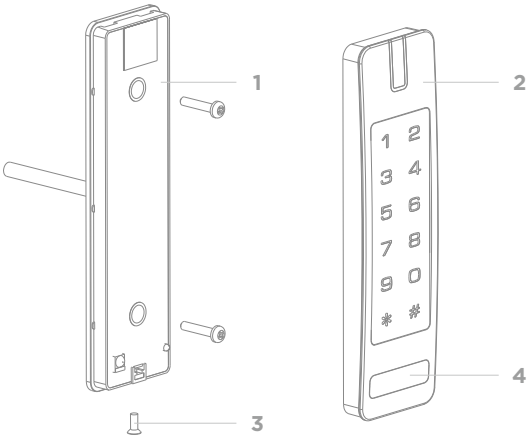
Full User Manual
wiki.bas-ip.com

Device description

Compact external contactless reader with keypad, supporting multiple formats: EM-Marin, MIFARE®, mobile access, and PIN codes. The device provides reliable identification through cards, key fobs, or mobile Ids, with a reading range of up to 12 meters (via the UKEY app).

With wall-mounted installation and IP65 protection, it is ideal for secure and convenient access control in any environment.

Appearance



1 - Reader.
2 - Top cower with a keypad.
3 - Fixing screw.
4 - IR detector.

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Completeness check of the product

Before installation of the reader, it is necessary to check that it is complete and all components are available.

Reader kit includes:

Reader (MR-03KP)	1 pc
Set of mounting screws and dowels	1 pc
Surface mounting bracket	1 pc
Installation manual	1 pc

Electrical connection

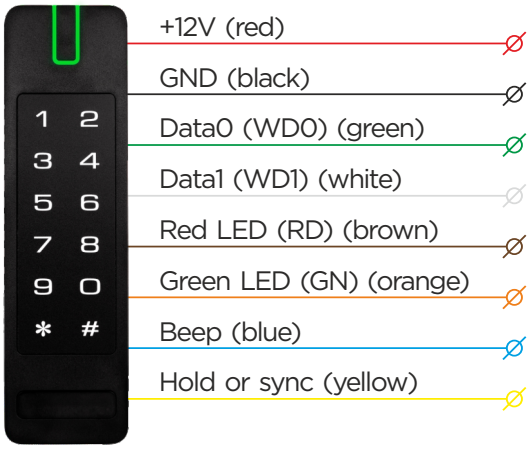
For electrical connection, use an 8-wire cable. Ensure the cable is of good quality, with proper shielding if required by the installation environment.

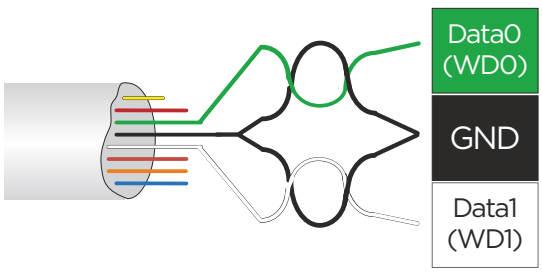
Supply voltage: +9 – +13.5 V DC). Maximum cable length: up to 150 m for Wiegand.

Wire Assignment

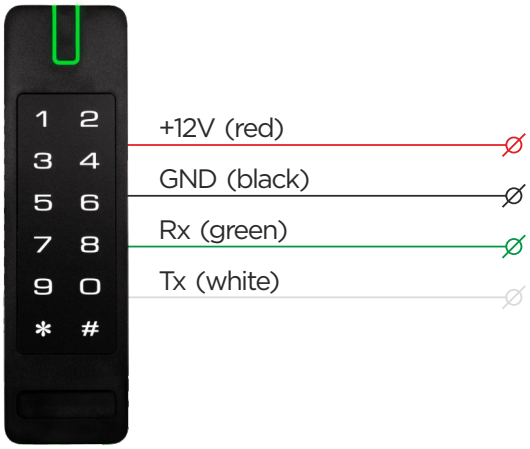
Wiegand

It is recommended to use twisted pair cable for D0 and D1 to minimize interference.





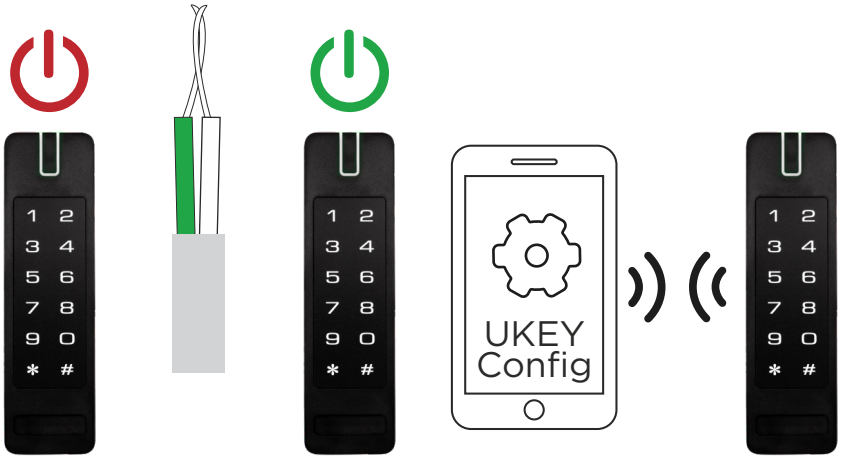
RS232



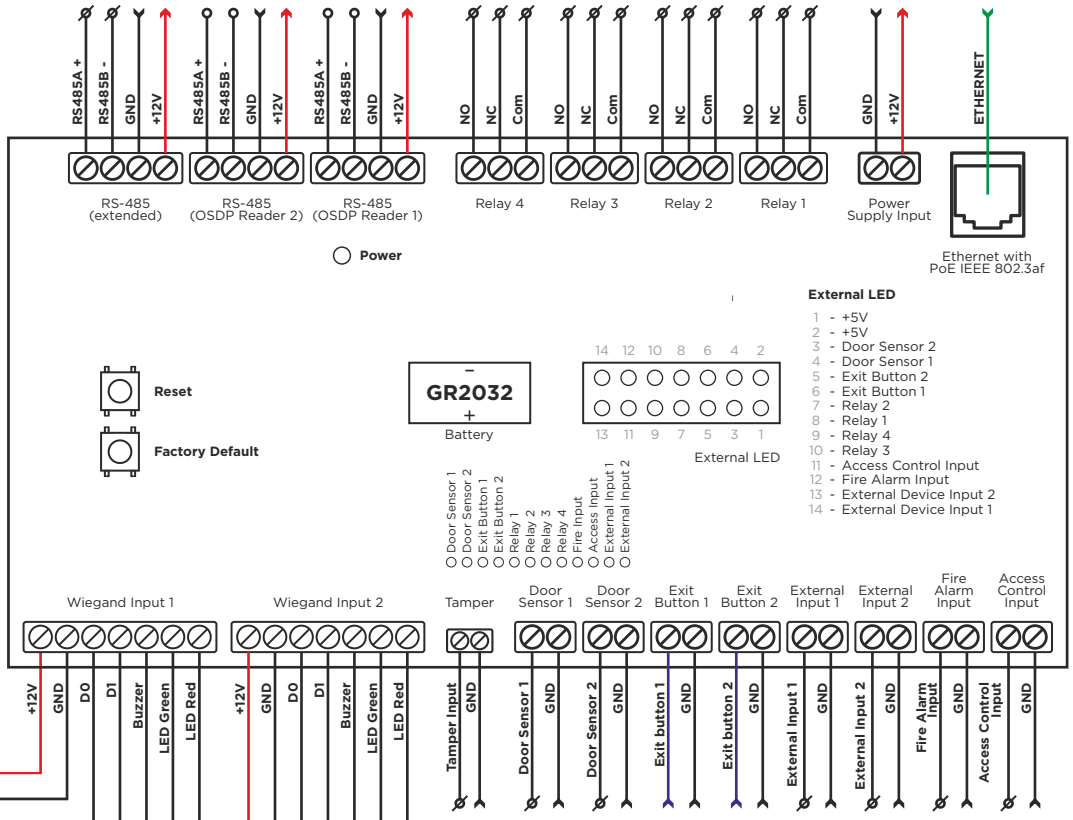


Programming

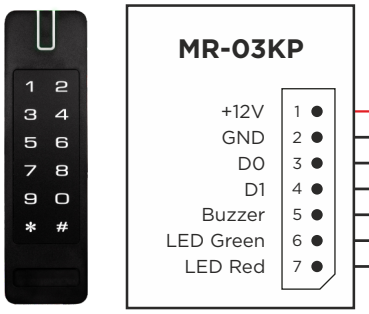
• When the reader is powered, use a smartphone with the UKEY Config app (available for iOS and Android) and follow the app instructions.
• The reader is supplied with the engineering password **«123456»**.



Connection diagram







Connection diagram of UKEY Reader MR-03KP to NewGen Controller CE-44 via Wiegand

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Mechanical mounting

Before mounting the reader, prepare the installation site:

• If mounted on metal surfaces, the reading range will decrease.

•Avoid installing the reader closer than 20 cm to another reader to prevent interference.

Mounting Steps

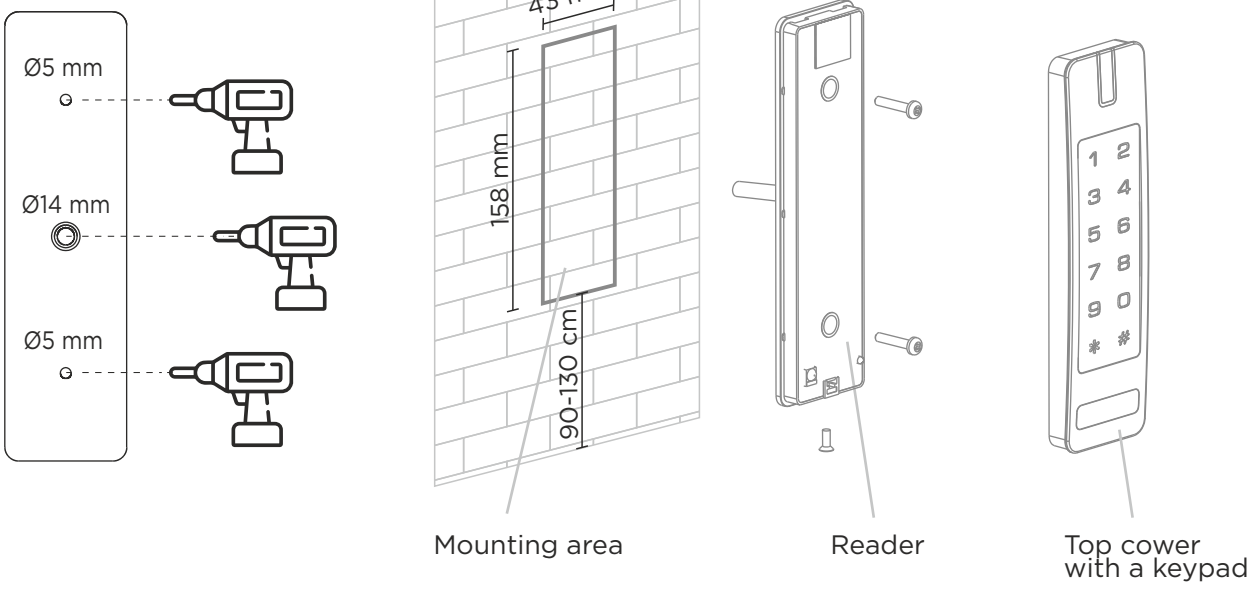
• Mark the installation points on the wall.

• Drill the holes according to the dimensions.

• Fix the mounting bracket to the wall using screws and dowels.

• Route the cable through the center hole.

• Attach the reader to the bracket and secure it with screws.



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Warranty

The warranty card number _____
Model name _____
Serial number _____
Seller name _____

With following stated terms of warranty is familiar, functional test was performed in my presence:

Customer signature _____

Warranty conditions

The warranty period of the product — 36 (thirty-six) months from the date of sale.

- Transportation of product must be in its original packaging or supplied one by the seller.
- The product is accepted in warranty repair only with a properly filled warranty card and the presence of intact stickers or labels.
- The product is accepted for examination in accordance with the cases provided by law, only in the original packaging, in a full complete set, appearance corresponding to the new equipment and presence of all relevant properly filled documents.
- This warranty is in addition to the constitutional and other consumer rights and in no way restrict them.

Terms of warranty

- The warranty card must indicate the name of the model, serial number, purchase date, name of the seller, seller company stamp and the customer's signature.
- Delivery to the warranty repair is carried out by the buyer himself.
- Warranty repairs carried out only during the warranty period specified in the warranty card.
- The service center is committed to do everything possible to carry out the repair warranty products, up to 24 working days. The period spent on the restoration of product functionality is added to the warranty period.

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Notes

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