

Qoltec[®]

Model: 52440, 52441

INTRODUCTION

Thank you for your trust and for choosing the Qoltec combination lock. We are confident that the product will meet your expectations.

This manual will guide you through the installation and use of the unit. It contains important safety instructions for operation and correct installation. If you have any questions after reading the manual, please contact Customer Service.

ABOUT THE PRODUCT

The Qoltec brand code lock uses electronic encryption technology. It has several programming options. It supports up to 1000 users. It can be opened, for example, with an individual access code consisting of any combination of digits, if correct the lock releases the lock and unlocks access.

Our product has the highest rating for rain and dust resistance, IP68. We make sure that our brand's products are united not only by their design aesthetics, but also by their durability.

Product features

- Support for up to 10,000 users
- Can be opened with individual access code, card, key fob, card + PIN and fingerprint
- It has a backlit digital keypad
- Equipped with fingerprint, proximity card and key fob reader
- Designed with the highest rain and dust resistance rating IP68
- Made with attention to detail ensuring the durability of the product
- 2-year warranty on Qoltec combination locks

TECHNICAL SPECIFICATIONS

Technical specifications

| No | Parameter | Value |
|----|-------------------|-------|
| 1 | Type | EM |
| 2 | Transmission type | RFID |

| | | |
|----|-----------------------------|------------------------|
| 3 | Mode of operation | Code / card / key ring |
| 4 | Degree of protection | IP68 |
| 5 | Doorbell button | Yes (for model 52442) |
| 6 | Nominal voltage | DC 12V |
| 7 | Frequency | 125kHz |
| 8 | Number of relay outputs | One |
| 9 | Load | <100mA |
| 10 | Max. number of users | 1000 |
| 11 | Installation | Surface mounting |
| 12 | Proximity reader | Yes |
| 13 | Keyboard | Yes |
| 14 | Highlight | Yes |
| 15 | Reading range | 1-5cm |
| 16 | Operating temperature | -25°C~60°C |
| 17 | Size of appliance (LxWxH) | 130 x 58 x 24mm |
| 18 | Net weight of appliance (G) | 400 |

Factory default settings

| Position | Value |
|----------------------|-------------|
| Authorisation method | Card or PIN |
| Unblocking time | 5 seconds |
| Common PIN | No |

Light and sound signalling

Red and green light

| Meaning of traffic lights | Indications |
|---|--|
| Red light flashes (slowly) every 2 seconds | Standby |
| Green light flashes (rapidly) every 0.5 seconds | Awaiting further action |
| The red light is always on | Programming status |
| The green light is always on | Unblocking status |
| Red and green lights flash alternately | Resetting the factory programming password |

Sound: beep

| Description | Indications |
|-------------|-------------|
|-------------|-------------|

| | |
|-----------------|--|
| 1 short signal | Correct input |
| 3 short signals | Incorrect input |
| 1 long signal | Programming |
| 3 long signals | Resetting the factory programming password |

METHOD OF CONNECTION

The wiring diagram is shown in Appendix Figure 1.

PROGRAMMING MANUAL

| | Objective | Action | Comments |
|--------------------|---------------------------------------|--|---|
| Basic functions | Change programming password | # programming password # 0 new programming password # new programming password # | If the programming password has been lost, go to step I to restore the factory settings (123456). |
| | Adding a user card | # programming password # 1 card reading # | If multiple cards are added, the cards should be read continuously |
| | Set a common access password | # programming password # 21 new common access password # | There is only one common access password. Opening method: Common Access Password # |
| | Delete all users | # programming password # 40 0000 # | Delete all cards and PINs except for the common access password |
| | Remove the user by reading the card | # programming password # 41 card reading# | If multiple cards are removed, read the cards continuously |
| Enhanced functions | Add a private access password (PIN) | # programming password # 22 PIN # | There may be more PINs. Door unlocking method: PIN # |
| | Add card by entering card number | # programming password # 23 enter card number # | Card number 10 or 8 digits, automatic identification |
| | Add a multi-card by entering the card | # programming password # 24 enter | Number of cards is 4-digit (to add 20 cards at a time enter 0020) |

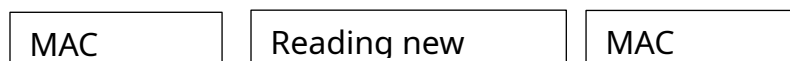
| | | | |
|--|---|---|--|
| | range number | card start number # | |
| | Add "card + PIN" | # programming password # 3 card PIN reading # | If the PIN is changed, see section IV |
| | Delete a user by entering his/her ID number | # programming password # 42 enter user ID # | See section 3.4 for information on the user ID number |
| | Delete a user by entering their card number | # programming password # 43 enter card number # | Card number 10 or 8 digits, automatic identification |
| | Remove user by entering PIN | # programming password # 44 enter PIN # | PIN consists of 3-6 digits |
| | Delete all user PINs | # programming password # 45 1111 # | Use only user PINs (does not apply to card users and card+PIN users) |
| | Change the opening time | # programming password # 5 XX ## | XX can be a two-digit number with a maximum of 99. If 00 is entered, the signal output time is 0.2s. |
| | Set opening mode | # programming password # 6 XX ## | XX can be set 01 (card only)/ 02 card or password)/ 03 (card+PIN) |
| | Restore factory defaults | # programming password # 8 99 # | With the exception of the programming password and the manager card |

I. Resetting the factory programming password 123456

1. Switch off power supply and connect wires 2 and 3 from RST(S1)
2. Turn on the power and the buzzer will sound 3 long beeps and the green light will flash quickly. If you want to set a manager card, read the two blank cards: the first as the add manager card (MAC) and the second as the remove manager card (MDC).
3. Switch off the power, disconnect wires 2 and 3 and connect wires 1 and 2 from the RST.
4. Switch the power back on.

II. How to use the manager card - MAC&MDC

- To add a card user in standby mode:



- To remove a card user in standby mode:

MDC Reading registered cards MDC

- To delete all users in standby mode:

MDC MAC MDC

III. User identification number

The user ID is an automatically generated 4-digit number starting from 0001. This number increases as users are added and does not take into account the deletion of users. The common access password does not have an ID.

IV. How to change PIN (in open mode: card + PIN)

After reading the card and entering the PIN code, within 5 seconds press and hold the # button until the green LEDs start flashing rapidly, then select:

New PIN # New PIN #

The setting of the new PIN will be signalled by a sound.

