

Qoltec[®]

Model: 52444

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 MIMAS combination lock by Qoltec uses electronic encryption technology. It has several programming options. It supports up to 4,000 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. It is resistant to external factors such as dust and moisture. 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 4,000 users
- Can be opened with individual access code, card, key fob, card+PIN
- It has a touch screen with a keyboard
- Equipped with bell and card and key ring 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	Operating voltage	DC 12V±10%

2	Operating current	< 100mA
3	Dimensions	125mm x 84mm x 23mm
4	Weight	300g
5	Ambient temperature	-20°C - 70°C
6	Relative humidity	20% - 80%
7	Memory	4000 users
8	Card types (optional)	EM(ID) (optional IC card)
9	Card reading range	1 - 5cm

Factory default settings

Default password	123456	Common slogan	No
Highlight	Automatic (optional)	Lock unlocking time	5 seconds
W26 port	Input (optional)	Safety mode	disabled
Opening mode	Card or password access. The access password includes a private access password (PIN) and a common access password.		

Light and sound signalling

Meaning of traffic lights	States
Red light flashes every 1s (slow)	Standby
The red light is always on	Programming status
The green light is on during the opening	Unblocking status
Green light flashes every 0.5s (fast)	Awaiting further action

Sound: beep

Description	Indications
1 short signal	Correct input
3 short signals	Incorrect input
1 long signal	Programming
Continuous signal	Resetting the factory programming password

INSTALLATION

To install the MIMAS combination lock correctly, refer to the information in the table below and **Figure 1**.

N o.	Designation	Colour	Function
1	+12V	red	Power supply +
2	GND	black	Power supply -
3	PUSH	blue	Low-level output
4	OPEN	yellow	Door unlocking
5	BEL+	grey	Bell
6	BEL-	violet	Bell
7	DATA0	green	WG DATA0
8	DATA1	white	WG DATA1
9	NC	brown	NC signal output
10	COM	orange	COM signal output
11	NO	pink	NO signal output

Note: If the relay is to drive an electric lock, the reverse diode must be connected to the "+" and "-" poles of the lock.

PROGRAMMING MANUAL

Correct programming of the combination lock will guarantee effective use in accordance with your expectations. We provide a detailed programming guide.

Default programming password: 123456, all passwords can be 3-6 digits long.

	Objective	Action	Comments
Basic functions	Changing the programming password	# programming password # 0 new programming password # new programming password #	If the programming password has been lost, go to the description under the table 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 #	Remove all cards and PINs except the common access password.
	Remove the user by reading the card	# programming password # 41 card reading #	If multiple cards are deleted, read the cards continuously.
Enhanced functions	Add a private access password (PIN)	# programming password # 22 PIN #	There may be more PINs. Door unlock method: PIN #.
	Add a card by entering the card number.	# programming password # 23 enter card number #	Card number 10 or 8 digits, automatic identification.
	Add a multi-card by entering the card range number.	# programming password # 24 enter card start number #	The number of cards is 4-digit (to add 20 cards at a time, enter 0020).
	Add "+PIN card"	# programming password # 3 card PIN reading #	If you need to change your PIN, go to the description below the table.
	Delete a user by entering his/her ID number	# programming password # 42 enter user ID #	User ID number information - go to the description below the table.
	Delete a user by entering their card number	# programming password # 43 enter card number #	The card number is 10 or 8 digits, automatic identification.
	Remove user by entering PIN	# programming password # 44 enter PIN #	The PIN consists of 3-6 digits.
	Delete all user PINs	# programming password # 45 1111 #	User PINs must be used (not applicable 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 ## password	XX can be set to 01 (card only)/ 02 (card or access password)/ 03 (card+PIN).
Reader settings	# programming password # 6	The device can be used as a	

(optional)	04 ## password	reader (W26 output).
Safety function settings	# programming password # 7 #	XX can be set to 01/02 (safety function OFF/ON) and 03/04 (disassembly alarm OFF/ON).
Setting the alarm before dismantling	Note: enabling the security function will lock the system for 5 minutes if the wrong card is continued to be read or the wrong access password is entered 10 times.	
Backlighting setting (optional)	# programming password # 8 XX #	XX can be 01/02/03 (Normal ON / Normal OFF / Auto).
Restore factory defaults	# programming password # 8 99 #	With the exception of the programming password and the manager card.
Set the master card	# programming password # 91 MAC reading MDC reading ##	Loading a card for the first time sets it as the master card and loading it again removes the master card.

Resetting the factory programming password 123456

1. Switch off power supply and connect wires 2&3 RST(S1)
2. Turn on the power and the buzzer will sound 3 long beeps and the green light will flash rapidly. If you need to set a manager card, read out two blank cards: the first as a manager add card and the second as a manager delete card.
3. Switch off the power, disconnect wires 2&3 and connect wires 1&2 of the RST system.
4. Switch the power back on.

How to use the mastercard - MAC&MDC

Objective	Action
To add a card user in standby mode	MAC READ >> NEW CARD READ >> MAC READ
To delete a card user in standby mode	READING MDC >> READING REGISTERED CARDS >> READING MDC

To delete all users in standby mode	MDC READ >> MAC READ >> MDC READ
-------------------------------------	----------------------------------

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 identifier.

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 and then enter the sequence according to the table below.

Objective	Action
To change PIN (open mode: card+PIN)	NEW PIN #

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

Note: User cards can be added and deleted continuously.

ATTACHMENT

1.

