ojmar

OGS10

USER GUIDE – V1.0

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CONTENTS

0. INTRODUCTION

0.1 OGS10 LOCKING SYSTEM

The OGS10 lock is a keypad electronic camlock that secures access to small spaces, including cabinets, drawers, lockers, and other types of small to medium-sized furniture.

The OGS10 lock can easily replace existing mechanical cylinder locks, complying with all dimensional and locking standards.

This solution is equipped with integrated handle and nozzle for DDA / ADA.

The OGS10 locking system is composed by:

- **Lock.** Security element that blocks the access to specific zones. Available user interfaces are: Keypad and mechanical master key.
- **Mechanical Master key.** Emergency opening mechanical master key enables to open always a blocked door. Exclusive for maintenance use.

0.2 SYMBOLS USED IN THE MANUAL

In the present user guide document, the reader might find the following symbols:

○ NOTE: The notes are used to highlight information that is of particular importance or related interest that must be remembered.

○ EXAMPLE: The examples are used to show a case study that may provide users with a better understanding of the explanation.

○ WARNING: The warning boxes highlight the importance of the information described.

0.3 GENERAL INSTRUCTIONS

To ensure the correct operation of our product in your installations you must follow the following rules:

○ WARNING: Product installation and use must be carried out in accordance with the technical operating conditions described in the corresponding manual.

○ WARNING: When not specifically indicated the proper installation and use of the application is the responsibility of the customer.

○ WARNING: Inspect the packaging and material for damage immediately after reception of the material. Additionally check that the delivery is complete (accessories, documentation, etc.).

○ WARNING: If the packaging has been damaged during transport or you suspect that it could have been damaged or may be faulty, the material must not be started up. In this case, please contact us.

○ WARNING: Our products' installation and handling must be carried out by authorised staff.

o WARNING: Any replacement or removal of the protection covers is strictly forbidden.

o WARNING: Do not attempt to repair materials after a fault or damage and try to operate it again. In such an event, it is essential you contact us.

o WARNING: We take no responsibility for damage caused as the result of misuse.

o WARNING: In accordance with Royal Decree 106/2008, dated 1 February 2016, before leaving the devices in their pick-up installations, the batteries must be removed and left separately for the proper management.

0.4   TECHNICAL SUPPORT

Should you wish to make any enquiries on our products, please contact the OJMAR technical department:

support@ojmar.com

www.ojmar.com

1. OGS₁₀ LOCK

The OGS₁₀ lock's main features are:

AUTHENTICATION METHODS	Authentication method	Pin code
USE MODES	Free Mode	Configurable 4, 5 or 6 digits user code
	Dedicated Mode	Configurable 4, 5 or 6 digits user code
	Dedicated with auto-closing mode	Configurable 4, 5 or 6 digits user code
USER INTERFACES	Notifications	LEDs (Red, amber & Green) and Buzzer
POWER SUPPLY	Batteries (Type & quantity)	Two CR2032 Primary Lithium Batteries
	Battery life	Up to 6 years (depends on use) / 10.000 cycles
MECHANICAL CHARACTERISTICS	Dimensions	111 x 26 x 15.5 mm
	Weight	215 g
	Close resistance	DIN EN 16014:2011-10
	Housing	Black (logo and icons in Pantone 420C)
ENVIRONMENTAL CONDITIONS	Temperature	From 0°C to +50°C (interiors)
	Humidity	UNE EN ISO 6270-2
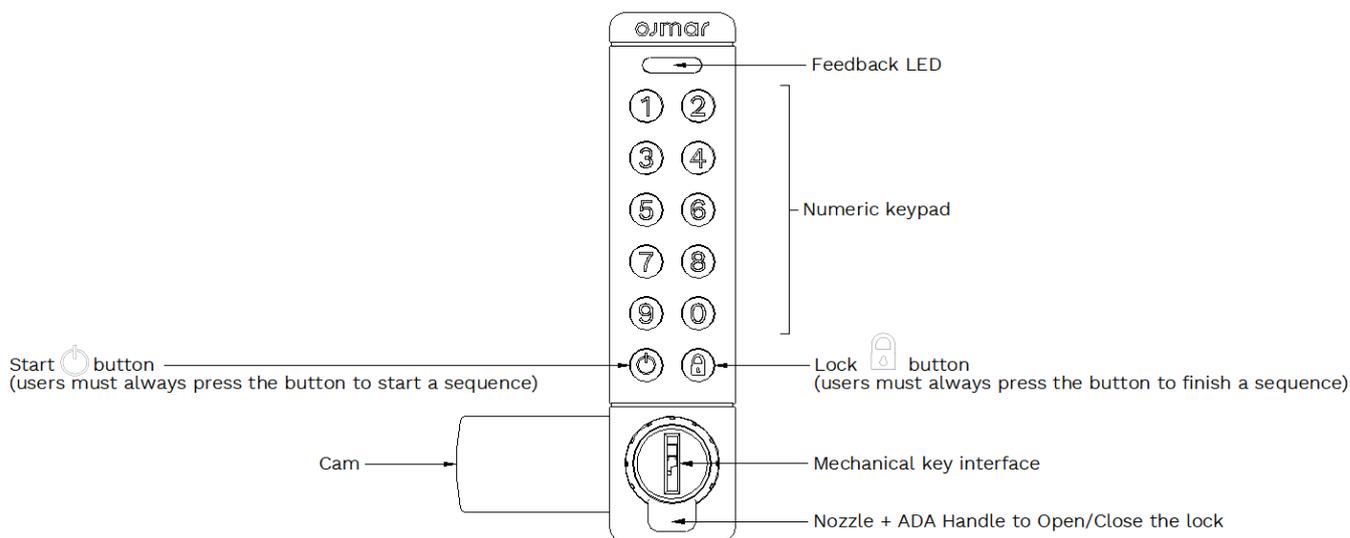
1.1   HOW IT WORKS

By default, the lock is always switched off. The lock only switches on when the ⏻ button is pressed. From that moment on, the user can insert a numeric code sequence to close or open the lock. For finishing any code insertion sequence, the user must press the 🔒 button.

Lock closing
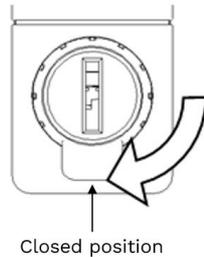
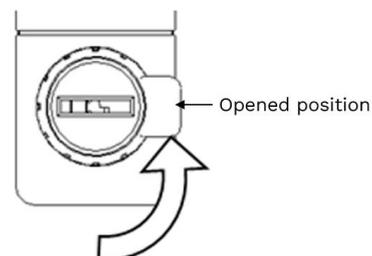Closed position

1. Rotate nozzle to Closed position

2. Lock the lock with a user code

EXAMPLE: ⏻ + _1_ _2_ _3_ _4_ + 🔒

Lock opening

1. Unlock the lock with user code

EXAMPLE: ⏻ + _1_ _2_ _3_ _4_ + 🔓

2. Rotate nozzle to Opened position

Opened position

1.1.1   Free mode

This is the lock's default working mode. In *Free mode* locks, its usage is not restricted to some specific user(s), it is intended to be for public use.

To configure this working mode, see section .

1.1.2   Dedicated mode

In *Dedicated mode* locks, its usage is restricted to some specific user(s) who know the lock access code. The lock usage is intended to be private.

To configure this working mode, see section *1.2.2 Dedicated mode*.

1.1.3 Dedicated with autoclosing mode

In *Dedicated with autoclosing mode* locks, the behaviour is similar to *Dedicated* mode locks. The only difference is that in *Dedicated with autoclosing mode* the lock automatically closes after 5s of its unlocking/opening.

The advantage of this working mode is that the user will need to only open the locks. There's no need to close/lock again the opened locks: one time user code inserting is enough to manually open and close the lock again.

To configure this working mode, see section *1.2.3 Dedicated with autoclosing mode*.

1.2 LOCK CONFIGURATIONS

- o WARNING: To change the lock configuration, it must be unlocked (opened).

- o NOTE: The factory default settings are:
  - ● Lock mode = Free.
  - ● User code length = 4 digit.
  - ● Master code = 000000.
  - ● Buzzer = On.
  - ● Keypad blocking = Off.

- o NOTE: The only case in which the lock configuration modification is allowed when it is locked (closed) is: if the lock is configured in *Dedicated with autoclosing* mode and/or if the configuration is a *Lock Reset (factory default settings)* operation.

1.2.1 Free mode

Follow the next steps to configure the lock in *Free mode*:

- ● Insert the following sequence: ⏻ + Master code + 11 + 🔒

After inserting the special code, the lock LED will blink 3 times in green and buzz 3 times.

1.2.2 Dedicated mode

Follow the next steps to configure the lock in *Dedicated mode*:

- ● Insert the following sequence: ⏻ + Master code + 00 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

- o WARNING: After changing the lock working mode from *Free* to *Dedicated mode*, the user code resets to all zeroes: "0000" or "00000" or "000000" (depending on the configured user code length). Otherwise, when changing the working mode from *Dedicated with autoclosing* to *Dedicated mode*, the previous *dedicated user code* is conserved (the user code only reset to all zeroes when changing the lock working mode from *Free* mode).

o NOTE: In order to update the *Dedicated user-code, see section* [1.2.5 Dedicated user-code update](#).

1.2.3   Dedicated with autoclosing mode

Follow the next steps to configure the lock in *Dedicated with autoclosing mode*:

- Insert the following sequence: ⏻ + Master code + 01 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

o WARNING: After changing the lock working mode from *Free* to *Dedicated with autoclosing mode*, the user code resets to all zeroes: "0000" or "00000" or "000000" (depending on the configured user code length). Otherwise, when changing the working mode from *Dedicated* to *Dedicated with autoclosing mode*, the previous *dedicated user code* is conserved (the user code only reset to all zeroes when changing the lock working mode from *Free* mode).

o NOTE: In order to update the *Dedicated user-code, see section* [1.2.5 Dedicated user-code update](#).

1.2.4   Master code

Follow the next steps to update the lock *Master code*:

- Insert the following sequence: ⏻ + Master code + New Master code + 77 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

1.2.5   Dedicated user-code update

Follow the next steps to update the lock *Dedicated user code*:

Option 1:

- Insert the following sequence: ⏻ + Master code + New Dedicated user code + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

Option 2:

- Insert the following sequence:

⏻ + Dedicated user code + 00 + New Dedicated user code + New Dedicated user code + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

1.2.6   User code length

Follow the next steps to modify the lock *user code length*:

4 digits:

- Insert the following sequence: ⏻ + Master code + 44 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

- o NOTE: After updating the length to 4 digits, the next user must insert 4 digits long code to close/open the lock.

5 digits:

- Insert the following sequence: ⏻ + Master code + 55 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

- o NOTE: After updating the length to 5 digits, the next user must insert 5 digits long code to close/open the lock.

6 digits:

- Insert the following sequence: ⏻ + Master code + 66 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

- o NOTE: After updating the length to 6 digits, the next user must insert 6 digits long code to close/open the lock.

1.2.7   Keypad blocking

Follow the next steps to modify the lock *keypad blocking* function:

Enable the keypad blocking:

- o NOTE: After enabling the *keypad blocking* function, if the user inserts consecutively 3 wrong user codes, the keypad is blocked for the next 10 seconds. This protective feature is intended to prevent vandalism and bad intentioned users consecutive code insertions.

- Insert the following sequence: ⏻ + Master code + 22 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

Disable the keypad blocking:

- o NOTE: After disenabling the keypad blocking function, if the user inserts consecutively 3 wrong user codes, the keypad doesn't block (it is always operative).

- Insert the following sequence: ⏻ + Master code + 33 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

1.2.8   Buzzer

Follow the next steps to enable or disable the lock *buzzer*:

Enable the buzzer:

- Insert the following sequence: ⏻ + Master code + 15 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

Disable the buzzer:

- Insert the following sequence: ⏻ + Master code + 25 + 🔒

After inserting the previous sequence, the lock LED will blink 3 times in green and buzz 3 times.

o NOTE: This configuration will enhance the product battery-life.

1.3 LOCK FEEDBACK

1.3.1 Operation feedback

Whenever the user interacts with the lock keypad, the device returns the correspondent operation feedback result via following codes:

GREEN LED	RED LED	AMBER LED	BUZZER	DESCRIPTION
1 blink (1x1000ms)	-	-	1 beep (1x1000ms)	Correct operation (Open/Close).
1 blink (1x50ms)	-	-	1 beep (1x50ms)	Key (button) pressing.
-	1 blink (1x1000ms)	-	1 beep (1x1000ms)	Definitive low battery detection. The lock won't close again (only will Open). This blinking occurs when ⏻ button is pressed, and low battery level is detected.
-	2 blinks (2x250ms)	-	2 beeps (2x250ms)	The introduced code is incorrect.
-	4 blinks (4x250ms)	-	4 beeps (2x250ms)	Error (can't Open/Close). It could be due to electrical or mechanical reasons.
3 blinks (3x250ms)	-	-	3 beeps (3x250ms)	New configuration correctly applied after code sequence introduction.

1.3.2 FW version feedback

It is possible to know the lock running FW version by following the next sequence:

- Insert the following sequence: ⏻ + 1470 + 1470 + 🔒

After inserting the previous sequence, the lock will start blinking in different colors and timings to report its running FW version.

2. MAINTENANCE

2.1   EMERGENCY OPENING

There are two options for an emergency lock opening:

Option 1: Master code

- Insert the following sequence: ⏻ + Master code + 🔒. Then rotate the lock nozzle to open the door.

Rotate back the lock nozzle and insert again the sequence ⏻ + Master code + 🔒 to close the door and leave the lock as it was before the emergency opening.

Option 2: Master key

- Insert the Master key into the cylinder and rotate it. This will mechanically unlock the lock and enable access to the door.
- Rotate back the mechanical key to its original position to leave the lock as it was before the emergency opening.

In case the Master code is unknown and the Master key is not available, there is a third option to put the lock back working as usual:

2.2   RESET TO FACTORY DEFAULT SETTINGS

- o WARNING: After resetting the lock to its factory default settings, the lock's previous settings will be lost.

To reset the lock to its factory default settings, follow the next steps:

- Insert the following sequence: ⏻ + 943748484 + 516 + 🔒 in order to know the 4 LED blinks.

- Write down the reported 4 LED blinks after previous sequence insertion.

- o NOTE: These 4 LED blinks are very important to be able to reset the lock.

- Contact with OJMAR (see section 0.4 Technical support) and explain to the customer support team that you want to reset the lock to its factory default settings.

- Then, follow the instructions given by the customer support team.

- o NOTE: After the lock reset to its factory default settings, the OGS₁₀ is automatically unlocked.

2.3   BATTERIES REPLACEMENT

To replace the batteries, follow the next steps:

1. Remove the assembling screws (A, B, C, D) from the furniture door.

o NOTE: It is necessary assembling screw A and nut. C and D are optional screws and its usage depends of each furniture.
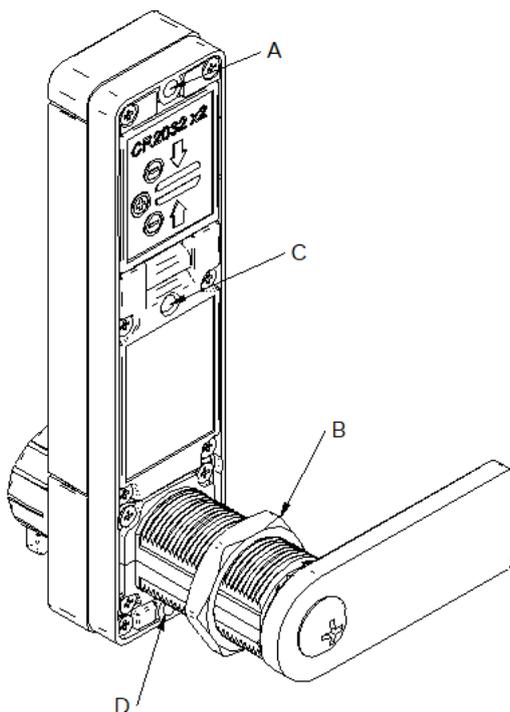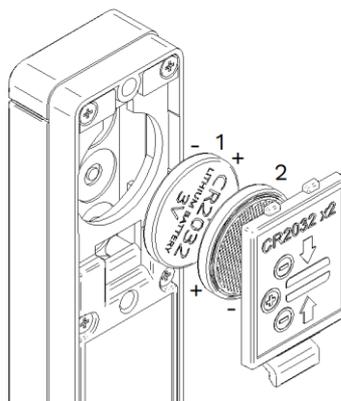

2. Rotate or remove the lock from the door and open the battery cover.

3. Remove the old batteries.

4. Insert the new two CR2032 batteries.

o WARNING: Be careful when inserting the new batteries. The incorrect batteries placing might cause damage on the device's electronics. Polarity must be: (-|+) (+|-).

o WARNING: Do not ingest battery, chemical burn hazard.

o WARNING: This device contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

o WARNING: Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you

think batteries migth have been swallowed or placed inside any part of the body, seek inmediate medical attention.

5. Close the battery cover.

o NOTE: It´s advisable to press the ⏻ button after replacing the batteries and before assembling the lock to the furniture again. If after the ⏻ button pressing the locks gives a 1 short green LED plus 1 buzzer sound feedback, it means that the new batteries are OK. If desired, a closing and opening operation are advisable to ensure the correct lock behavior.

6. Place the lock on its original position and assembly (screw) it to the furniture door.

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