Combi-Cam Ɛ

electronic cam lock miniK 10™

✓cabinets   ✓lockers   ✓carts

OPERATING MANUAL

⚠ *Please read this manual
before using the **miniK10***

INTRODUCTION:

Combi-Cam E – electronic cabinet lock with master/manager code, one-time-use functionality, and up to 10 years battery life. Combi-Cam E can be installed for both right and left hand installations – anywhere that needs flexibility of master/manager codes. The eco-friendly MiniK10 offers both convenience of far less frequent battery changes and a more environmentally friendly solution.

PASSWORD LEVELS:

The Combi-Cam E has three potential password levels –
1. User password
2. Service password (must activate in Program 5.1)
3. Master password

The user and master passwords should be changed prior to installation and tested. Write down new passwords and keep in a safe place. It is not possible to open lock if you forget your password.

MODES:

The Combi-Cam E can operate in two different modes:
1. Single User (factory default)- Set password and user will open lock each time with same password.
2. Multiple User Locker Mode- user enters in their code when lock is in unlocked position, rotates handle to lock. Upon returning uses same code to open. Next user can repeat the process with their own unique password.
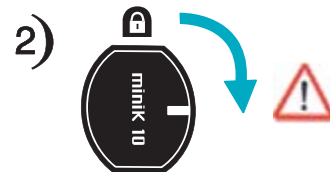
SINGLE USER MODE

Below illustrations show examples of lock installed for right handed door. Lock can be installed for left or right handed.

OPENING WITH USER PASSWORD:

1) Enter your 4-digit user password. On first use factory default is <1-0-1-0>.
2) Rotate handle within 5 seconds to opening direction and there will be a confirmation beep.

USER PASSWORD

CLOSING WITH USER PASSWORD:

1)Enter your 4-digit user password.
2) Rotate handle within 5 seconds so that handle is toward warning label that displays lock is closed. Lock will give a warning beep and the green LED light will blink. NOTE: Program 6.1 allows lock to be closed without a password.

USER PASSWORD

CHANGING USER PASSWORD:

If single user mode is selected (default), press ✹ button and enter current 4-digit user password. Press ✹ button again and enter new 4-digit user password. Press ✹ button again and approve new password. You will get a confirmation beep and green LED light will blink.

OLD USER   **NEW USER**

MULTIPLE USER MODE (LOCKER MODE / ONE TIME USE MODE)

In multiple user mode, opening and closing with a password process is same as Single User. However, each time lock is in open position, each user can enter in their own unique 4-digit code to lock and then open the MiniK10. Popular application is for gym lockers.

SERVICE PASSWORD By default, service password is not active. Activate with Program 5.1. Service password allows lock to be opened only and none of lock features can be programmed.

OPENING WITH SERVICE PASSWORD: Default - <1-0-1-0-1>
If service password function is active, 1) press ✱button and enter current 5-digit service password and press #button. 2) Rotate handle within 5 seconds to opening direction. You will get a confirmation beep from lock and green LED light will blink.

1) ✱ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ #
SERVICE PASSWORD

2) 🔓 miniK 10

CHANGING SERVICE PASSWORD:
When you have selected service password in program menu, press ✱button twice and enter current 5-digit service password. Press ✱button again and enter new 5-digit service password. Press ✱button again and approve new password. You will get a confirmation beep from lock and green LED lights will blink.

✱ ✱ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ ✱ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ ✱
OLD SERVICE   **NEW SERVICE**

MASTER PASSWORD opens lock and grants access to all programming features

OPENING WITH MASTER PASSWORD: Default - <1-0-1-0-1-0>
1) Press the #button and enter current 6-digit master password and press #button. 2) Rotate handle within 5 seconds to opening direction. You will get a confirmation beep from lock and green LED light will blink.

1) # Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ #
MASTER PASSWORD

2) 🔓 miniK 10

CLOSING WITH MASTER PASSWORD:
1) Press #button and enter 6-digit master password. Press #button again.
2) Rotate handle within 5 seconds counter clockwise, so handle faces padlock label indicating lock is closed. You will get a confirmation beep from lock.

1) # Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ #
MASTER PASSWORD

2) 🔒 miniK 10

CHANGING MASTER PASSWORD: **Set new master password and test BEFORE installing lock.**
Press #button twice, and then enter old 6-digit master password. Press #button again and enter new 6-digit master password. Press #button again and approve new password. You will get a confirmation beep from lock.

Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ # Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ Ⓧ
OLD MASTER   **NEW MASTER**

PROGRAMMING THE MINIK10

The MiniK10 can be customized from factory default settings tailored to your needs.

ACCESSING THE PROGRAM MENU:

Press the #button and then enter the 6-digit master password. Press the *button. Press the program number that you will make an adjustment to, and then press the adjustment selection.

 # X X X X X X * 1   0

MASTER PASSWORD   **PROG.   SELECTION**
                             NO   NO

Program No	Selection No	Explanation:

0	1	**Explanation:**
		0-1 Restores factory default settings:
		    Prg No 1-1: One -time-use operation (Locker mode with multiple users)
		    Prg No 2-1: Audible beeps and confirmations
		    Prg No 3-0: Penalty operation is not active
		    Prg No 4-0: No function currently assigned
		    Prg No 5-0: Service password is not active
		    Prg No 6-0: Closing with password required
		    Prg No 7-0: Warning of open door is not active
		    Prg No 8-0: Resetting user password is not active
		    Prg No 9-0: Blocking of the lock is not active

1	0	Individual operation
	1	One -time-use operation (locker mode for multiple users)
2	0	Mute operation except for warnings
	1	Audible operation- button feedback, warnings and confirmations
3	0	Penalty not active
	1	Penalty active (lock blocked for 5 minutes if wrong code entered 3 times)
4	0	None
	1	None
5	0	Service password is not active
	1	Service password is active
6	0	Closing with password is active
	1	Automatically closing is active (for individual usage)
7	0	Warning of door open is not active
	1	Warning of door open is active (beeps 8 times every 5 seconds)
8	0	Resetting user password is not active (if service password is active)
	1	Resetting user password is active (if service password is active)
9	0	Blocking of the lock is not active (if service password is active)
	1	Blocking of the lock is active after using service password (if it is active)

PROGRAMMING OPTION DEFINITIONS:

0	**Restoring factory settings:** All factory default settings are restored (see program menu). User password becomes <1-0-1-0> and master password becomes <1-0-1-0-1-0>.
1	**Individual Use or Locker Mode:** Factory default is locker mode (one time use) whereby each user that walks up to an open MiniK10 can enter their 4-digit code to close and open lock. Every person can enter their own new code when lock is in open mode. Individual use mode allows one 4-digit static code to be entered that would remain same code for one user.
2	**Audible volume control:** All audio warnings can be turned off if mute operation is selected (except warning beeps).
3	**Penalty operation:** Prevents tampering of lock by unauthorized people. Lock is blocked for 5 minutes if wrong password is entered three times consecutively. Factory default is that this feature is not active.
4	*This programming function is currently open for placing a future feature*
5	**Service password:** Lock can be opened with service password if user password is forgotten. Factory service default password is <1-0-1-0-1>. No programming features can be accessed with service password. Factory default is that this feature is not active.
6	**Closing modes:** Factory default is that the MiniK10 requires a password to lock. The other option is it can be locked without requiring a password.
7	**Door open warning:** After door is open for one minute, lock gives an audible warning to user with 8 beeps every 5 seconds to notify user that the door has been left open.
8	**Resetting user password:** If the lock is opened with service password (and service password is active), user password can be reset. (see program #5 on service passwords). Factory default is that the service password access does not allow the user password to be reset (only opens up the lock).
9	**Blocking the lock:** If lock opened with service password, it can be blocked from further user password access This would insure service password is only used to access locks for emergency lockouts. Master password access would then be required to set up user password again (0-1 Factory default reset). Factory default is that this feature is not active.

LIGHT AND AUDIO NOTIFICATION:

Password is accepted: Green LED lights with two repeated audio warnings
Wrong password: Red LED lights with four repeated audio warnings
Low battery: Red LED lights blink 5 times after each operation
Lock is open: 1 minute after door is opened, lock gives audible warning 8 times every 5 seconds

CHANGING THE BATTERY:

Lock operates on a 3V lithium coin cell CR2450 battery located on back side of device. Remove screw located on cover of battery and replace it with new battery. Battery life is up to 10 years. Th red LED light blinks 5 times after each operation when battery is low and it is possible to open and close lock for 100-150 times after you get the initial low battery warning.

MAINTENANCE:
- Clean front of lock with a mild damp cloth with detergent if needed.
- Do not use any hard or scratching cleanser.
- Do not clean with chemical materials that melt plastic (e.g. thinner, acetone, etc.)
- Be careful not to spill water on lock.

GENERAL WARNINGS:
- Read manual before using lock.
- Set and test user and master passwords prior to installing the lock
- Change all default passwords with your own passwords.
- Common sense, but we must say it... Do not keep the passwords in the cabinet where the lock is being installed!
- It is not possible to open lock if installed and you forget the user and master password.
- Lock gives a warning beep when passwords are old or have not been entered excessively.
- Not possible for front side of lock to be opened by breaking or trying to force open lock.
- Use CR2450 3.0V Lithium batteries.
- Remember that battery consumption is high when programs 2, 3, and 7 are active.

Installation instructions??
- Cam placement,
- Stop Cam
- Template for screw hole?
- Template for routing out?
- Optional Cams available?
- What about metal semiflush mount? Is there a bracket available?

Combi-Cam ℰ

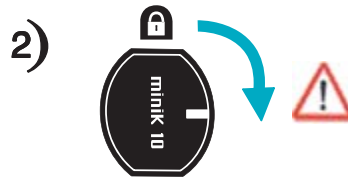**miniK10**

DEFAULT PASSWORDS

1 0 1 0
USER PASSWORD

(**1 0 1 0 1**
IF SERVICE PASSWORD
ACTIVE)

1 0 1 0 1 0
MASTER PASSWORD

NOTE:
These are default settings by the factory. Once they are changed, be sure to right down your new code !

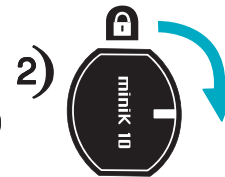### OPEN / CLOSE WITH USER PASSWORD

1) **1 0 1 0**
USER PASSWORD
2)

1) **1 0 1 0**
USER PASSWORD
2)

OPEN / CLOSE WITH MASTER PASSWORD

1) **# 1 0 1 0 1 0 #**
MASTER PASSWORD
2)

1) **# 1 0 1 0 1 0 #**
MASTER PASSWORD
2)

⚠ ***Opening direction varies according to type of door MiniK10 is installed. All opening illustrations depict right handed door installation.***

NOTE: Remember to write down your passwords after programming and prior to installing lock. It is not possible to open lock if it is installed and you forget your passwords.

TECHNICAL SPECIFICATIONS:

Battery:	3.0V Lithium CR 2450
Key Pad:	Silicone Keypad
Operating Temperature:	-5 / 55 C
Storage Temperature:	-10 / +70 C
Operating Moisture:	20 – 80% Rh (without condensation)

OTHER PRODUCTS IN THE COMBI-CAM FAMILY: www.combi-cam.com

Combi-Cam™

Combi-Cam™ ULTRA

eco-friendly
electronic lock

miniK 10™

Combi- Cam ℰ™

For more detailed instructions and video demos, go to www.combi-cam/E/

Install Green
Batteries don't just grow on trees you know!