

● cabinets    ● boxes    ● drawers

# OPERATING MANUAL

## electronic cabinet lock

miniK 10m



miniK 10p



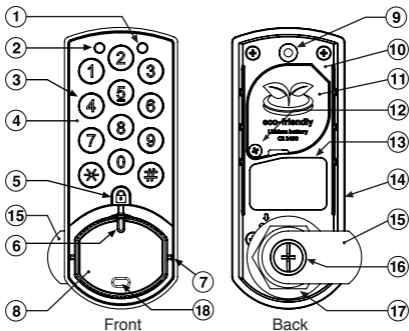
Please read this manual  
before using the **miniK10m**  
and **miniK10p**

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## INTRODUCTION

- |                     |          |                                |
|---------------------|----------|--------------------------------|
| 1. Red LED          | External | 10. Lock Body                  |
| 2. Green LED        | Power    | 11. Battery Cover              |
| 3. Keypad           | Inputs   | 12. Battery Cover Screw        |
| 4. Lock Body        |          | 13. ID Label                   |
| 5. Closing Position |          | 14. Hand Knob Frame            |
| 6. Knob Indicator   |          | 15. Cam                        |
| 7. Opening Position |          | 16. Cam Screw                  |
| 8. Knob             |          | 17. Cylinder Nut, R/L Stop Cam |
| 9. Mounting Screw   |          | 18. Open/Closed Indicator      |



### DESCRIPTION:

Besides the stylish and enriching design of the **miniK10m / miniK10p** cabinet lock, there are various features that make the lock different from others, such as allowing to use with wet hands, easy and quick installation at wood and steel cabinets, easy application at existing cabinets, easy application at right/left cabinet doors, higher battery life with very low energy consumption, high reliability and operating with a contactless card.

## USAGE:

Contactless card lock can be used with three types of cards: "User Card, Service Card and Master Card". Also, the lock can be used with a password by selecting the user card free operation. Service card is passive by default. You should center the card when holding over the keypad to enable accurate reading. Since the device enters the sleep mode to offer low energy consumption, you need to wake the lock up by pressing any button before each operation.



## INITIAL SETUP:

### • Assign Master Card:

No card is defined as factory default in the memory of your lock. Once a Master Card is introduced, it does not define another Master Card in the lock.

1- Press the **#** key twice. The lock will beep tone.

2- And then present the master card to the keypad until one tone beep is heard and green led blinks.



**This step is valid if there is no assigned Master Card before.**

### • Selecting Operation Option of the miniK10:

1- Press the key **#** twice, present the master card to the keypad and press the key **\***, green and red leds will blink.

2- Press 1 for selecting operation modes. And then:

Press 0 for Personal Operation with card.

Press 1 for Locker Mode operation with card.

Press 2 for cardless Personal Operation.

Press 3 for cardless Locker Mode operation.

Press 4 for Locker Mode operation card or password.



• **Assign/Delete Service Card(s):** (If you don't need to use any service card, skip this step)

1- Press the key **#** twice, present the **Master Card** to the keypad and press the key **\***, green and red leds will blink.

2- Press 5 for selecting service card assign / delete option. And then:

Press 0 for all service cards are deleted.

Press 1 for assignment of 1. service card.

Press 2 for assignment of 2. service card.

Press 3 for assignment of 3. service card.

3- Present that **Service Card** to the keypad.



• **Assign User Card(s):** (If you don't need to use any user card, skip this step.) If Personal Operation with card option is selected:

1- Press the key **\***, present **Master Card** to the keypad and then press the key **\*** again.

2- Then enter the sequence number of **User Card**.

3- Present that card to the keypad.



• **Deleting User Card:** (If you don't need to use any user card, skip this step) If Personal Operation with card option is selected:

1- Press the key **\***, present **Master Card** to the keypad and then press the key **#**

2- Enter the sequence number of **User Card**.



## OPERATING INSTRUCTIONS

### Personal Operation with Card (if selected)

#### • To Unlock:

- 1- Press any key for wake the lock up.
- 2- Present **an assigned User Card** to the keypad in 3 seconds.
- 3- Turn the knob to the unlocked position.



#### • To Lock:

- 1- Turn the knob to the locked position.



### Locker Mode Operation with Card (if selected)

#### • To Lock:

- 1- Press except the star button any number button for wake the lock up.
- 2- Present **any card / master card** to the keypad in 3 seconds.
- 3- Turn the knob to the locked position.





• **To Unlock:**

- 1- Press except the star button any number button for wake the lock up.
- 2- Present **the card you locked** to the keypad within 3 seconds.
- 3- Turn the knob to the unlocked position.



**Cardless Personal Operation (if selected)**

• **Change Password:** (default "1010")

- 1- Press the key , enter the current password by using keypad and then press the key  again.
- 2- Enter the new password by using keypad.



• **To Unlock with Password:** (default "1010")

- 1- Enter the user password.
- 2- Turn the knob to the unlocked position.



• **To Lock:**

- 1- Turn the knob to the locked position.



• **To Unlock with Master or Service Card:**

- 1- Press the key **#** for wake the lock up.
- 2- Present **Master or Service Card** to the keypad in 3 seconds.
- 3- Turn the knob to the unlocked position.



• **To Lock:**

- 1- Turn the knob to the locked position.



**Cardless Locker Mode Operation (if selected)**

• **To Lock with Password:**

- 1- Enter the new password.
- 2- Turn the knob to the locked position.





• **To Unlock with Password:**

- 1- Enter the same password with locking operation.
- 2- Turn the knob to the unlocked position.



• **To Lock with Master or Service Card:**

- 1- Press the key **#** for wake the lock up.
- 2- Present **Master or Service Card** to the keypad in 3 seconds.
- 3- Turn the knob to the locked position.



• **To Unlock with Master or Service Card:**

- 1- Press the key **#** for wake the lock up.
- 2- Present **Master or Service Card** to the keypad in 3 seconds.
- 3- Turn the knob to the unlocked position.



The unlocking direction depends on the type of door where miniK10 is used. All locking and unlocking illustrations depict right handed door installation.

## Locker Mode Operation with Card or Password to Lock/Unlock (if selected)

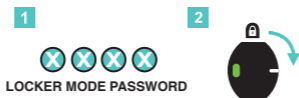
### • To Lock with Password:

- 1- Enter the new password.
- 2- Turn the knob to the locked position



### • To Unlock with Password:

- 1- Enter the same password with locking operation.
- 2- Turn the knob to the unlocked position.



If you lock the cam lock with password you have to open it with password not with card.

• **To Lock with Any Card:**

- 1- Press the key \* for wake the lock up.
- 2- Present **any card** to the keypad in 3 seconds.
- 3- Turn the knob to the locked position.



• **To Unlock with the Card You Locked:**

- 1- Press \* button for wake the lock up.
- 2- Present **the card you locked** to the keypad within 3 seconds.
- 3- Turn the knob to the unlocked position.



If you lock with any card, you have to open it with the card you locked, not with password.

PROG. NO	SELECT. NO	
0	1	<b>Factory Settings</b>
		<b>Prog. No 1-1:</b> Locker mode operation with card
		<b>Prog. No 2-1:</b> Audible beeps and confirmations
		<b>Prog. No 3-0:</b> Penalty operation PASSIVE
		<b>Prog. No 4-0:</b> Delete all user card
		<b>Prog. No 5-0:</b> Service card PASSIVE
		<b>Prog. No 6-0:</b> Locking with password
		<b>Prog. No 7-0:</b> Warning of open lock PASSIVE
		<b>Prog. No 8-0:</b> Resetting User Password with Service card usage PASSIVE
<b>Prog. No 9-0:</b> Lock block PASSIVE (if service card is active)		
1	0	Personal Operation with card (individual operation)
	1	Locker Mode Operation with card (multiple user)
	2	Cardless Personal Operation (individual operation)
	3	Cardless Locker Mode Operation (multiple user)
	4	Locker Mode Operation with Card or Password
2	0	Mute Operation
	1	Audible Operation
3	0	Penalty PASSIVE
	1	Penalty ACTIVE
4	0	Delete all user cards
	1	User password is restored to default, which is "1010".
5	0	Service Card PASSIVE / DELETE
	1	Assignment of 1.Service Card
	2	Assignment of 2.Service Card
	3	Assignment of 3.Service Card
6	0	Locking with Password
	1	Automatic Locking
7	0	Warning of lock open PASSIVE
	1	Warning of lock open ACTIVE
8	0	Resetting User Password with Service card usage PASSIVE
	1	Resetting User Password with Service card usage ACTIVE
9	0	Block the Lock PASSIVE (if service card is active)
	1	Block the Lock ACTIVE (if service card is active)

## PROGRAMMING INSTRUCTIONS

- 1- Press the key **#** twice, present the Master Card and then press the key **\***, green and red leds will blink.
- 2- Enter the program number to be customized and then enter the selected settings number. (Press Program Number and then Selection Number)



### **Restore Default Settings: Press 0 - 1**

#### **Default Settings are:**

Locker mode operation with card, audible operation, penalty operation is not active, service card is not active, locking with password, door open warning is not active, resetting user password with service card usage is not active, blocking the lock is not active.

### **Mute Operation: Press 2 - 0**

All audio warnings can be turned off if mute operation is selected (except warning beeps).

### **Audible Operation: Press 2 - 1**

Button feedback, warnings and confirmation are audible.

### **Penalty Operation: Press 3 - 1**

Prevents tampering of lock by unauthorized people. Lock is blocked for 5 minutes if wrong password / card is entered three times consecutively.

Factory default is that this feature is not active. **Press 3 - 0**

### **Delete All User Cards: Press 4 - 0**

It deletes all user cards assigned in the Personal operation with card option.

### **Reset User Password: Press 4 - 1**

User password is restored to default "1010" in the Cardless personal operation option.

**Service Card(s):** When activated, they are only authorized to unlock. (See Assign/Delete Service card(s), page 5) When the lock is opened with these cards, according to Prog.8, the user password/card can be reset and the lock can be blocked according to Prog.9 as well.

Factory default is that service card(s) feature is not active. **Press 5 - 0**

**Locking with password / card:** <sup>(1)</sup> **Press 6 - 0**

Locking operation require a password / card to lock.

**Automatic Locking (without password/card):** <sup>(1)</sup> **Press 6 - 1**

Locking operation does not require a password / card to lock.

**Warning of open lock :** <sup>(1)</sup> **Press 7 - 1**

After lock is open for one minute, lock gives an audible warning to user with 8 beeps every seconds to notify user that the lock has been left open.

Factory default is that this feature is not active. **Press 7 - 0**

**Resetting User Password with Service Card usage:** <sup>(1), (2)</sup> **Press 8 - 1**

When the lock is unlocked with the service Card, the User Password is reset. The User Password is restored to default, which is "1010".

Factory default is that this feature is not active. **Press 8 - 0**

**Blocking the lock :** <sup>(2)</sup> **Press 9 - 1**

If lock opened with Service Card, it can be blocked from further User Card access. This would insure Service Card is only used to access locks in emergency. Master Card access would then be required to set up User Card again.

Factory default is that this feature is not active. **Press 9 - 0**

<sup>(1)</sup> : Valid for Personal operation with card or cardless Personal Operation options.

<sup>(2)</sup> : Valid if any Service Card is active.

## GENERAL WARNINGS:



- Read manual before using lock.
- Periodically check nuts and screws to be tightened.
- Do not over-tighten nuts or screws. Do not use an electric screw gun during installation unless equipped with a torque adjuster. The maximum torque on the cylinder screw is 2Nm.
- Set and test user and master password 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 you forget the user and master password.
- Lock gives a warning beep when incorrect passwords have been entered in repeatedly.
- Not possible for front side of lock to be opened by breaking or trying to force open lock.
- Use **CR2450** 3.0V Lithium batteries.
- The lock battery can be replaced with a CR 2450 battery with a min.600mA capacity.
- It should not be preferred that the production date of the new battery to be installed is more than 1 year.
- Remember that battery consumption is high when programs **2, 3, and 7** are active, **program 6** (closing with password) is selected.

## CAM:

- Cam are included
- Cam can be placed at increments of 90 degrees
- The Stop Cam (#3) in installation instructions can be positioned for turning the cam clockwise or counter-clockwise



7/8" Straight Cam 38mm  
(It is recommended)



## TECHNICAL SPECIFICATIONS:

Dimension (WxHxD)	34 x 85 x 27 mm
Weight	70,4 g (2.48 oz) (excluding cam and mounting)
Key Pad	Silicone Keypad with metal dome
Operating Temperature (*)	+10 / +50 °C (50 - 122 °F)
Storage Temperature	+0 / +30 °C (32 - 86 °F)
Operating Moisture	20% - 80% Rh (non-condensing)
Replaceable Battery	3V Lithium CR2450
Battery Life (**)	Up to 5 years with daily 10 opening

**⚠ ATTENTION:** (\*) Battery life may vary in accordance with battery brand, programming parameters and environmental conditions of the product is used.

**⚠ ATTENTION:** (\*\*) Battery life may vary in accordance with battery brand, programming parameters and environmental conditions of the product is used.

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

**⚠ ATTENTION:** miniK10m / miniK10p is made for only interior usage.

## K10p CARD SPECIFICATIONS:

Transponder Chip	EM4100 Compatible
Frequency	125Khz
ID Size	64 bit Read Only
Encoding	Manchester Encoding

## K10m APPROPRIATE CARD:

ISO 1443A / B compliant cards (Mifare Classic®)



## LIGHT AND AUDIO WARNINGS:

<b>Password / card is accepted</b>	Green LED blinks with 2 repeated audio warnings.
<b>Wrong password / card</b>	Red LED blinks with 4 repeated audio warnings.
<b>Lock is open</b>	8 audio warnings heard at <b>every second (K10m) / every 5 seconds (K10p)</b> after one minute of opening the lock.

## BATTERY REPLACEMENT:

Lock operates on a 3V lithium coin cell CR2450 battery located on back side of device. Remove the battery cover on the back of the lock and replace it with new battery.

## TO BE CONSIDERED AFTER BATTERY REPLACEMENT:



- As soon as the batteries are replaced, they should be packaged in a way to prevent short circuit and sent to battery collection centres. Batteries should not be disposed of in the garbage or in nature.
- Waste batteries should not be exposed to moisture, liquids (including water) and heat.
- To prevent risks that may arise from collected waste batteries, they should be temporarily stored in insulated containers or cabinets.

## BATTERY FAILURE OVERRIDE: *(If the lock installed to locker)*

- Remove the caps from the holes of Red and Green leds, leds insert the pins of the miniK10 Power Adapter into these holes and press.
- When the lock wakes up, enter your password and unlock it.

## WHEN USING THE LOCK:

- The battery CR2450 is NOT rechargeable and should NOT be tentatively charged.
- Do not wash the lock.
- Do not allow water to get inside the lock.

## WHEN STORAGE THE LOCK:

- Do not open, destroy nor incinerate the battery CR2450.
- Do not crush, pierce, or short "+" and "-" battery terminals with conductive i.e. metal goods, screws.
- Do not directly heat the battery and not throw it into fire.

## **MAINTENANCE:**



- Clean front of lock with a mild damp cloth with detergent if needed.
- Use only Ethanol (Ethyl Alcohol) for disinfecting.
- Do not use any hard or scratching cleanser.
- Do not clean with chemical materials that melt plastic (thinner, acetone, etc.)
- Be careful not to spill water on lock.



## **ATTENTION!**

In case of any failure, inform the vendor in writing of the detailed description of the failure. In case of any intervention in the device, such as attempting to repair the device, the device gets **OUT OF WARRANTY**.

## **LIMITED WARRANTY:**

VMS Elektronik A.S. offers a one year limited warranty all products to be free from manufacturing defects in materials and workmanship. This warranty does not cover the battery, lost combinations or damages caused by improper mounting, improper or unreasonable use.

## **LIABILITY LIMITS:**

This is a limited warranty and is in lieu of all other warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall VMS Elektronik A.S. be liable for any incidental or consequential damages or losses.

## **Thank you**



Congratulations for making this eco-friendly choice!

By purchasing a miniK10m / miniK10p, you will prevent additional batteries going to the landfills over the up to 5 years. With its smart technology, the miniK10m / miniK10p only requires one battery over a 5 year period. This period may be reduced according to battery performance, environmental conditions and frequency of use.

## LOCKING / UNLOCKING WITH USER CARD



## LOCKING / UNLOCKING WITH MASTER CARD



# miniK 10



In all areas of life



School / Dormitories



Hospitals



Offices



Gym's / Spa's



Malls / Stores



Hotels / Restaurants



Staff Lockers



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