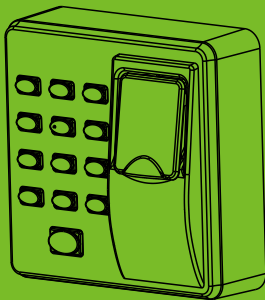


User Manual

X7 Access Control System

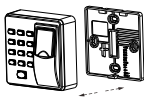
Version: 1.2.1



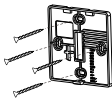
1. Equipment Installation



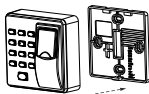
- (1) Remove the screw on the bottom of device.



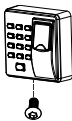
- (2) Take away the back cover.



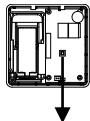
- (3) Fix the back cover on the wall according to the mounting paper.



- (4) Fix the device to the back cover.

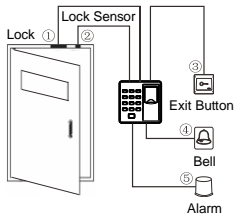


- (5) Fix the screw.



Tamper Alarm Button

2. Structure and Function



Access Control System Function:

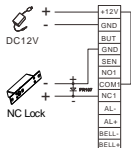
- (1) When a registered user's identity is verified, the Access Control device will send out signal to unlock the door.
- (2) The door sensor will detect the status of the lock. If the door is unexpectedly opened or improperly closed, the alarm will be triggered.
- (3) It supports the exit button for opening the door from inside.
- (4) It supports door bell.
- (5) If the Access Control device is dismantled, the alarm will be triggered.

3. Lock Connection

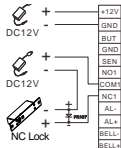
Warning: No operation when power on!

- (1) The system supports NO LOCK and NC LOCK. The NO LOCK (normally open at power on) is connected with **NO** terminal, and the NC LOCK is connected with **NC** terminal.
 - (2) To prevent the generation of self-inductance EMF which would affect the system, when the electrical lock is linked to the Access Control System, it is required to connect one FR107 diode (equipped in the package, do not reverse the polarities) in parallel in order to release the self-inductance EMF.
- (1) Device shares power with the lock

When Device share power with the lock:
 $U_{LOCK}=12V, I-I_{LOCK}>1A... \textcircled{1}$
 and the lock is near to the device.

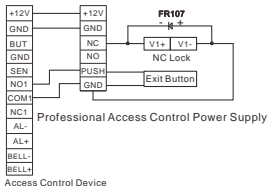


- (2) Does not share power with the lock
 Device does not share power with the lock:
- A. When $U_{LOCK}=12V, I-I_{LOCK} \leq 1A$;
 - B. When $U_{LOCK} \neq 12V$;
 - C. When the lock is far apart from the device.

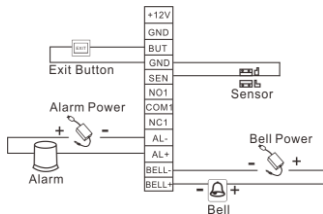


$\textcircled{1}$ I: device' output current, U_{LOCK} : lock voltage, I_{LOCK} : lock current.

- (3) One device controls one lock

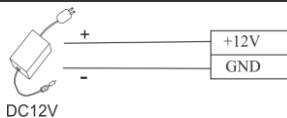


4. Connected with Other Devices



Only devices with an alarm \leq DC 12V can be connected.

5. Connect with Power



Input DC 12V, 500mA (50mA in idle status) Positive is connected with **+12V**, negative is connected with **GND** (do not reverse the polarities).

Βιομετρικός Ελεγκτής SA-X6

Ο βιομετρικός ελεγκτής SA-X6 υποστηρίζει κλειδαριές NO Lock & NC Lock.

Προσοχή: θα πρέπει παράλληλα με το φορτίο (κλειδαριά) να συνδεθεί μία δίοδος FR107, όπως φαίνεται στο σχήμα για προστασία από EMF.

1. User management

1.1 Administration Operations

For the security the data, admin password is needed to operate the machine.

➤ Register the admin fingerprint

Press [*]+[#]→Input [1234#]→register fingerprint 3 times (green light on and a long buzz) →press [*] to exit (green light on and a long buzz)

➤ Modify the admin fingerprint

Press [*]+[#]→Press admin finger print → press [8] (green light on and a long buzz) →register fingerprint 3 times → press [*] to exit (green light on and a long buzz)

1.2 Add/Edit a User -Προσθήκη/επεξεργασία Χρήστη

Each user can register 10 fingerprint and 1 card/Tag at most.

Press [*]+[#]→ press admin finger print → press [#]→ Input a new/ existing work code (user ID 1-8) → [#]→ register user fingerprint 3 times (green light on and a long buzz) OR register user CARD or TAG →press [#] continue to add new users OR press [*] to escape (green light on and a long buzz).

Notice:

- New user has to put work code (user ID), the machine will defaultly edit the present user if the number existed.
- After the first fingerprint registered, same user's other fingerprints can be added, 10 pieces at most
- If there is wrong action or repeat occurred **suring** register fingerprint/ cards, machine's red light will be on along with short buzz 4 times, then green light will be on. Continue to register without exit, no operation limits.

1.3 Register 8 group open password.

Device maximum support 8 group open door password, each password with 1 group (range:1-8).

Press * + # -- Administrator finger--Press 3 input group number (1-8) ---input 4 digits password # (repeat it 2 times) Press * exit.

1:How to delete single user?

Answers: press * # press administrator finger (Green light blink) press 2 (Green light blink)=input staff's ID number ---press finger or punch RFID cards. press * exit.

Remark: when we enrol users, we need to input staff's ID number such as : 001 and then press finger or punch cards...

2:How to delete all users?

Press * + # - Press administrator finger -- Press 9 + # ---- Press * to exit.

3:Setup verify mode (factory FP/PW/RF)

Press * + # -- Press Administrator finger - Press 5---input verify mode number # and press * exit.

Verify mode number:

PW: 1 RF:2 FP:3 FP/PW/RF:4 RF&PW:5 FP&PW:6

4:how to setup alarm?

illegal way to remove the device to alarm...or administrator with wrong finger to setup alarm, or input wrong password etc.

Press * + # -- press administrator Finger ---Press 0 + 1 ----setup alarm switch (0 : open) (1 : close) press 0 or 1 and press # and press * to exit

5:how to set up door open delay time? Factory default is 6 seconds

Answers: Press * # press administrator finger -press 4, input door open time (1-10s) press * exit

6:How to delete all users/reset to factory default?

Press * + # --- Press administrator finger -- Press 9 + # and press * to exit

7:How to delete administrator?

Open the back side cover, and press tamper switch with 3 times within 30-60 seconds.

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