



## A-0109 One-door Access Controller User manual V1.2

### 1. Technical parameters:

NO	ITEM	Parameter
1	Operating voltage	DC 12V±10%
2	Operating current	< 100mA
3	Dimensions	120mm×78mm×22mm
4	Weight	110g
5	Ambient temperature	-10℃—70℃
6	Relative humidity	20%—80%
7	Storage	1000 users
8	Card type (alternative)	EM(ID) card(IC card for option)
9	Card reading distance	1—15CM

### 2. Factory default settings:

<b>Programming Password</b>	123456
<b>Open Mode</b>	Card or Access PIN
<b>Output signal time</b>	5secs

### 3. LED and buzzer indicates:

#### Two-color LED: red and green:

NO	Led State	Access control status
1	light red once every 1 sec (Slow flash)	Holding state
2	light red, N.O.	Programming state
3	light green within Open time	Unlocking state
4	light green once every 0.3sec (Fast)	Pending further action

#### Built-in buzzer:

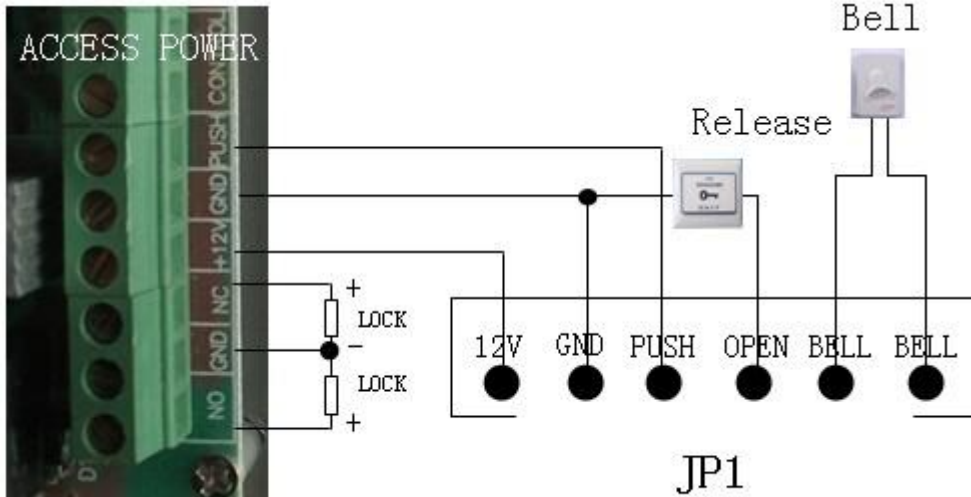
Description	Status
1 short buzz	Valid input
3 short buzz	Invalid input
1 long buzz	Program success
Continuous long buzz	Restoring factory programming passwords

### 4. Installing Wiring diagram:

PIN	Color	Function
+12V	Red	Power+



GND	Black	Power-
PUSH	BLUE	Low level output
OPEN	Yellow	Door Release
BELL	Grey	BELL
BELL	White	BELL



## 5. Access control function setting:

### 5.1 、 Enter and exit programming mode

Step1: In holding state, press **#123456#**, access controller enter system programming state with LED lighting red and buzzer giving a short voice.

Step2: In Programming state input programming commands (See 5.2).

Step3: In programming state, press **ESC** to exit.

Note: If there is no operation in 2mins system will exit programming state.

### 5.2、 Function setting

"0" key, modify the programming password:

Press **0** **New password** **#** **New password again** **#**

Note: programming password is 3~6 digits (Default: 123456)

"1" key, Log on card users

Press **1** **User No.** **read card** **#**

User No. is 4-digit: 0001~9999, and use to delete users.

Bellow we refer to user No. of "2" and "3" key are same.

Note: Read card continuously for logging on users continuously and exit by pressing #.

" 2" key, Log on password users

Press **2** **User No.** **Access PIN** **#**

Note: Access PIN is 3~6 digits. An access PIN also accounts for one user.

"3" key, Log on card + password users

Press **3** **User No.** **read card** **Access PIN** **#**

When you add a user, each time you add a user successfully the buzzer gives a long voice . If you added failed the buzzer gives 3 short voices . Failure may be due to: (1) User No. duplicates; (2) Card No. already exists; (3) store is full.

"4" key, delete the users

Press **4** **0** **0000** **#** Delete all users

Press **4** **1** **read card** **#** Delete card user via reading card

Press **4** **2** **User No.** **#** Delete card user via User No.



Press     Delete card user via input Card No.

Note: Enter the left 10 digits of the card No.

"5" key, modify Unlock Signal Output Time

Press

Note: "XX" is 2-digit: 00~99, Unit: second, "00" indicates moment unlock (0.2 seconds).

"6" key, set Open mode

Press    Read valid card to open

Press    Read valid card and enter Access PIN to open

Press    Read valid card or enter Access PIN to open

"7" key, set Security mode

Press    Turn off security function

Press    Turn on security function(System would be locked for 5 Minutes when continue to (1) read illegal card 10 times or (2)read the valid card but enter wrong Access PIN 4 times or (3)enter wrong Access PIN 10 times).

### 5.3 Access control initialization method

Step1、 Turn off power and connect bin 2&3 of S1。

Step2、 Turn on power and buzzer gives long voice Continuously。

Step3、 Turn off power, disconnect bin2&3 and connect bin 1&2 of S1。

Step4、 Turn on power again, the buzzer gives a long voice, Access controller initialization is completed。 After initializing all parameters restore Factory default settings (See 2), user data will not be lost.

### 6. User Open operation:

#### 6.1 Read card to open (Open mode: Card, Card or Access PIN)

In holding state read valid card, buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

#### 6.2 Enter Access PIN to open (Open mode: Card or Access PIN)

In holding state enter  , buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

#### 6.3 Read card and enter Access PIN to open (Open mode: Card + Access PIN)

In holding state read card, buzzer gives a short voice, LED lights green with fast flash, then enter   within 5 seconds, and buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

**Note:** If buzzer gives 3 short voices it indicates that the card or password is illegal and open failed.

#### 6.4 Change Access PIN (Open mode: card+ Access PIN):

After reading card and entering PIN to open the door, within 5 seconds, long press" #" until the LED lights green with fast flash. and then enter    , buzzer gives a long voice, Access PIN changed successfully.