

## Keypad Access Controller User Manual



### An instruction manual

(Please read the instructions carefully before using the product)  
Please keep the instructions properly.

## Technical Indicators

### 一、 Technical Specification

| Item                                  | Specification                                                            |
|---------------------------------------|--------------------------------------------------------------------------|
| Voltage                               | 12VDC±12%/1.2A                                                           |
| Lock Relay                            | 12VDC/2A                                                                 |
| Environmental temperature             | Working:0C~45℃ Storage:-10C~55℃                                          |
| Relative humidity                     | Working:40%~90%RH Storage:20%~90%RH                                      |
| Valid Card Capacity                   | A: 1000 张 (卡编码: 001~999)                                                 |
| Password Capacity                     | Public Password: 1Private Password: 1000                                 |
| Card Type                             | ID type:125KHz<br>IC Type: 13.56M125KHz EM Type or 13.56Mhz Mifare Type  |
| Card Read Distance                    | EM Type: 5-15CM Mifare Type: 3-5CM                                       |
| Card reading distance                 | ID 型:5-15CM IC 型: 3-5CM                                                  |
| Relay output or level output (option) | Relay output or level output (option)                                    |
| Exit Button Interface                 | 1                                                                        |
| Doorbell Interface                    | 1                                                                        |
| Door Status Interface                 | 1 (level output)                                                         |
| Alarm Interface                       | 1 (level output)                                                         |
| WG26 Output/Input                     | Standard Wiegand 26 output and Wigand Input to connect with extra reader |

### 二、 Factory Defult

| Item                              | Factory default     |
|-----------------------------------|---------------------|
| Programming password              | 881122              |
| Door open mode                    | Card or Fingerprint |
| Unlock time                       | 3seconds            |
| Anti- break Alarm                 | off                 |
| Anti- break Alarm                 | off                 |
| Lock status                       | off                 |
| Alarm Delay                       | 0 seconds           |
| Modify personal password function | off                 |

### 三、 Buzz and Light Indicate

| Normal Working Condition             |                        |
|--------------------------------------|------------------------|
| Valid Command                        | A Shhort Beep Sound    |
| Invalid Command                      | A Long Beep Sound      |
| Programming Mode ,Green Led light on |                        |
| Valid Command                        | Two Short Beep Sound   |
| Invalid Command                      | Three Short Beep Sound |

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## Programming operation

### 四、 Function Setting

|                                                                                                                                                  |   |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------|
| press [#] + [6 –digit programming password] (default: 881122)<br>Enterin the programming mode, can operate to realize 0-9 functions on the right | 0 | Modify digit programming password]                                                |
|                                                                                                                                                  | 1 | Card or password card+ password Door open setting                                 |
|                                                                                                                                                  | 2 | Time of lock/unlock setting                                                       |
|                                                                                                                                                  | 3 | Modify Common Code                                                                |
|                                                                                                                                                  | 4 | Add or remove fingerprints                                                        |
|                                                                                                                                                  | 5 | Delete card (A program deletion,B management card deletion)                       |
|                                                                                                                                                  | 6 | Restore factory settings                                                          |
|                                                                                                                                                  | 7 | Two machine (master and slave ) data copy                                         |
|                                                                                                                                                  | 8 | Restore the factory setting (non reserved registered data )                       |
|                                                                                                                                                  | 9 | Registraton management card (A. programming registration B hardware registration) |

### 五、 Cancel Command

Command have not all been completed, press [#] key, you can cancel the command

### 六、 Function setting

Enterthe programming mode:

press [#] + [6 –digit programming password] (default: 881122)

Function (0) Modify programming Code

Press [0] + [new 6-digit programming password]

+ [confirm the new 6-digit programming password]

Disable the door opening method of general password (default)

(1) Disable the door opening method of general password (default)

**[1] + [0]** toot -toot

Start the door opening method of general password (default)

**[1] + [1]** toot -toot

Start the function of modifying personal password **[1] + [2]** toot toot

(disable the modify personal password function: Press[1] + [3]) toot toot

(Set lock/unlock by swiping+personal password)

**[1] + [4]** toot toot

(unset lock/unlock by swiping+personal password ) (default) **[1] + [5]** toot toot

Change personal password under nonprogramming)

[swipe card] toot -toot toot

Press [#] for 3 seconds till sound TOOT-TOOT TOOT. If it make sounds toot -toot toot after press [#] for 2

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## Professional Card & program Developers

The rights change and upgrade definition and other product information without  
Advance notice are preserved by our company

## Function Setting

seconds, it means changing passwords function failed.

(enter 4 origin passwords( default:0000)

Function (2). Set opening time

Press [2] + [TT], TT stands forthe unlock time in seconds, such as unlock time in 3 seconds, then TT=03

Function (3), modify common code

Press [3] + [4 digit code], (default: 1234)

Add or Delete Fingerprint

1. Add fingerprint

Press **[4] + [1]** (enter 3 digits fingerprint code ),such as 0001-9999) toot toot

Enter 4 times toot -toot succes

2. Delete fingerprint (A B C three mode)

A. **[4] + [2]** Delete fingerprint ([3 digit fingerprint code 001-999 toot -toot

B: press **[4] + [2]** + fingerprint toot -toot

C. Management card deletion

In standby mode, swipe the management card for 4 times to enter the delete fingerprint mode [enter the

3-digit fingerprint code 001-999] or scan the fingerprint.

Function (5), add valid card A, add cards under programming process B,add management card delelte card)

A, add cards under programming process

Press [5] + [4 digit card number, such as 0001-9999], toot -toot

Swiping Prox cards, success while it makes sound toot toot.

A. Add management card

1. Creat management card A ,Registraton management card**[5]-[3]**swipe card **4**. hardware registration please refer to Function 9)

2.Add a new user by the management card: swipe the management card once in standby mode + input the 3-digit card code 0001-9999 + swipe any blank card + add successfully

Supplementary description of function 5:

Remark(1), 3 digit card number must be from 001 to 999 and can't be repeated. Please keep the card code properly.

Remark (2), when continuous enroll cards , the card number will increase progressively. For example, input 4 digit card number 0015, when swipe second card, it will be 0016

Delete card methods:

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## Function Setting

A: Delete single card number: press [5] + [ 2]digit card number

B: Swipe cards:press [5] + **[2]** swipe that card

Cby management card: swipe the management card twice under standby mode till green light flash--enter 4 digit card numbers or swipe cards

D: delete all users: Restore the factory setting

Please use function 8: Restore the factory setting

Funtion 6: Set anti disassembly function

turn off Anti disassembly alarm function: press **[6] + [0]** toot – toot

Turn on Anti disassembly alarm function press **[6] + [1]**

功能 7 两机（主机、副机）数据拷贝 Function (7) data copy

Step1: Corresponding to connect the host and auxiliary P2 wires.

1.1 login in host to programming mode→press[7] + [1]→Green light on,red light flash→Enter host mode successfully.

1.2 login in Auxiliary to programming mode→press[7] + [2]→red light on, green light flash→Enter Auxiliary mode successfully.

Step2: Auto connect successfully after step1, green and red lights of host and auxiliary are on, then copy automatically.

Step3: Buzzer rings after copy completed, then return to standby status.

Function 8 restore to factory default

1 Press [8/86] rings toot toot, toot, toots after 5 seconds, controller turns to factory default(reserved registered data)

2.Short circuit J2 in the energized, controller turns to factory default(non reserved registered data)

Function 9 enroll management card by hardware

Short circuit J2 connect under power-off→ then power-on→ ring toot toot→disconnect J2 into adding management card mode→Swipe card

Supplimentary applications

Input password time should be within 2 seconds

press [#] to cancel the password while enter 4 digits failed.

Card + Private Code opening method

swipe card -toot toot + personal password press [#] to cancel the password while enter 4 digits failed.

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## Function Setting

### 八、 Frequently Questions

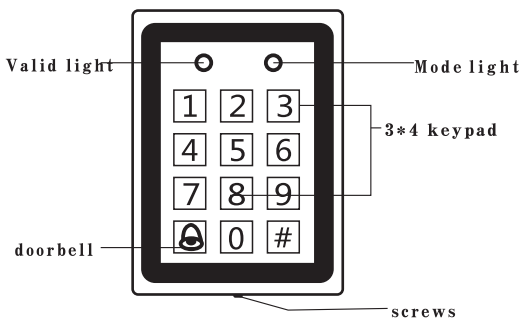
| Question                                                                                | Possible Error and Solutions                                                                                                                                |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| oots 8times while lock/unlock                                                           | Insufficient voltage:Add a DC power supply or replace higher power supply,then reset cards                                                                  |
| Short reading distance or insensitive while keys are normal                             | Avoid controll on metal surface adjust the positlow power supply                                                                                            |
| No action after swipe card                                                              | Press <b>[4]</b> before reading cards, wait and reread cards on standby                                                                                     |
| Unlock failed but rings Toot.                                                           | It is set to detect the state of the door when unlocking, door magnetic is disconnected or door is not close. Set off the detect or close the door magnetic |
| Press[#]+[programming password]there is long beep and cannot enter the programming mode | Other keys are pressed before pressing the [#] key; Keep on pressing [#] key till long beep. Then press [#]+programming password.                           |
| Press [5] there are 3 beeps                                                             | controller code capacity is full                                                                                                                            |
| Press[5]+[4 code](ring 3 toot)                                                          | This code was already used, must press[5]+[4 new codes]                                                                                                     |
| Press[5]+[4 code](ring 2 toot)+induction card(ring 3 toot)                              | This card already registered, this code can be used in other cards.                                                                                         |
| No operation in programming state, then controller exits                                | In programming mode, if there is not input in 20 seconds, the controller exits programming mode automatically to normal working state                       |

- Front view
- Mode light
- Valid light
- 3\*4 keypad
- doorbell
- screws
- wiring diagram
- wiring diagram on backside
- lock relay output
- alarm relay output
- back to factory default, short connect J2 Forcibly restore factory programmed password, short circuit J2, then disconnected.

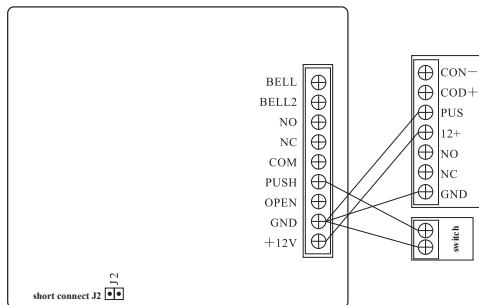
The above wiring diagram corresponds to different products, please Please connect according to the corresponding model of the terminal on the back of the product(The technical parameters and specifications of our products are subject to change without notice).If any questions, please contact the manufacturer.

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## Front view



## Connection diagram on backside



different models come with different diagram, please refer to the connection ports.

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**FCC Warning:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.