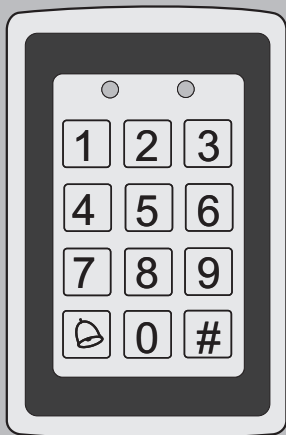




## METAL ACCESS CONTROL UNIT



INSTRUCTION  
MANUAL

Please read the manual carefully and it tell you how to use Door Access Controller rightly.

# Technical Specifications

## 1. Product main technical Specification

| Item                       | Specification   |
|----------------------------|---|
| Voltage                    | 12VDC+12%/1.2A  |
| Lock Relay                 | 12VDC/2A  |
| Environmental temperature: | working: 0℃~45℃ storage: -10℃~55℃                         |
| Relative humidity          | working: 40%~90%RH storage: 20%~90%RH                     |
| Cards Capacity             | 1000  |
| Pin Capacity               | Public PIN : 1 Private PIN : 1000                         |
| Internal reader frequency  | ID Model: 125KHz IC Model: 13.56MHz                       |
| Proximity Card             | ID Model: EM or compatible<br>IC Model: MF1 or compatible |
| card reader Distance       | ID Model: 5-15CM IC Model: 3-5CM                          |
| Lock interface             | relay output or level output                              |
| Exit Button                | 1   |
| doorbell                   | 1   |
| door Contact               | 1   |
| Alarm interface            | 1   |
| External Reader            | 1 Weigand26 interface<br>(Only apply to certain models)   |

## 2. factory defaults

| Item               | factory default                   |
|--------------------|-----------------------------------|
| programming PIN    | 881122 (recommends user modified) |
| Door open mode     | card or public pin (1234)         |
| Private PIN        | 0000                              |
| unlock time        | 3 seconds                         |
| Anti-break Alarm   | Open                              |
| Magnetic Alarm     | off                               |
| Lock status        | off                               |
| alarm delay        | 0 seconds                         |
| modify Private PIN | off                               |

# Operation Introduction

## 3. Sound and Light show

- 3.1: Normal working condition
- 3.1.1. valide command: a short beep sound
- 3.1.2. Invalid command: a long beep sound
- 3.2. Programming mode:
  - 3.2.1 Green LED On
  - 3.2.2 valid command: beep beep two sounds
  - 3.2.3 invalid valid: three beeps

## 4. Cancel command

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

## 5. functions and settings programming

5.1 Enter the programming mode:  
press [#]+[ 6-digit pin] ( default: 881,122)

5.2 modify the programming PIN:  
Press [0] + [new 6-digit pin]  
+ [confirm the nes 6-digit pin]

5.3 Eroll card:  
press [5] + [3-digit index code] (2 beeps )  
+ [card 1] (beep, 2 beeps )  
+ [card 2] (beep, 2 beeps )+ ... ..  
+ [card n ] (beep, 2 beeps ) + [#] (2 beeps )

5.3.1.3-digit index code : rang from 001--  
----- 999 number can not be repeated.  
The code is an important way deleted the  
card after the card is lost, please save  
the card coded issuer properly

5.3.2. when enrolling multiple cards, every  
card index code will be calculated in order.  
For example, card one's indes code is 015,  
once again, card two's will be 016 ...  
... and so on

5.3.3 the default private pin for each card  
is : 0000

## 5.4 Delete Card:

### 5.4.1 Delete by index Card:

press[7] + [3-digit code 1] (2beeps)  
+ [3-digit code 2] (2beeps )+ ... ..  
+ [3-digit code N] (2beeps )+ [#] (2beeps)  
complete the delete cards

### 5.4.2 delete by presenting cards:

press[7] + [proximity card 1] (beep, 2beeps )  
+ [proximity card 2] (beep, 2beeps ) + ... ..  
+ [proximity card N] (beep, 2beeps )  
+ [#] (2beeps ) complete the deletion card

5.4.3 delete all cards: Please restore  
the factory default

5.4.4 the private pin will be deleted when  
the card is deleted

# Operation Introduction

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## 5.5 exit programming mode:

press[#] (2beeps)

## 5.6 set up door open mode

5.6.1. card or pin mode:press [1] + [0] (2beeps) (default)

5.6.2. Card +private PIN mode: [1] + [1] (2beeps)

## 5.7 pins

5.7.1. "Card or pin" for the mode is either the public pin or private pin (up to 999)

### 5.7.2 disable changing private pin:

press [1] + [2] (2beeps) (default)

### 5.7.3 enable changing private pin:

press[1] + [3] (2beeps)

### 5.7.4 change private pin:

press[#] (beep, 2beeps)

+ [presenting card] (beep, 2beeps)

+ [4-digit old pin] ( default 0000) (2beeps)

+ [4-digit new pin]

+ [confirm the new pin] (2beeps)

### 5.7.5 change public pin:

press [3] + [4-digit pin] (default 1234)

When the public or private pin is 0000,  
the pin is void in "card or pin" mode

## 5.8. change door open time:

press[2]+[TT]. TT is the time interval in seconds.

For example, if the door open time is 3 seconds, TT=03

## 5.9. Anti-break:

5.9.1. Disable anti-break:press [4]+[0]

5.9.2. Enable anti-break: press[4]+[1]

## 5.10. Door contact sensor:

5.10.1. disable door sensor : press[6]+[0]

5.10.2. enable door sensor:press [6]+[1]

## 5.11. Door sensor alarm:

5.11.1 Disable alarm: press[8]+[0]

5.11.2 enable alarm: press[8]

+ [1] After turning on this function,

the cotroller will give off continuous long beep

when the door is not closed after normal opening,

or the door is not opened through the controller.

## 5.12. Alarm delay time:

press [82]+[TT].

TT is the time interval in seconds.

For example, if the delay time is 3 seconds , then TT=3

When door is locked TT seconds,

if the door contact sensor is in alarm status,

the controller is in alarm mode.

This function should be used when the door sensor alarm is on .

# Operation Introduction

## 6. Restore factory default:

press [86] There will be 2 beeps, 3 beeps and 3 beeps after 5 seconds, then the factory defaults are restored.

## 7. User's instruction:

### 7. 1. Card or PIN mode:

7. 1. 1. The pins should be entered in 2 seconds
7. 1. 2. press [#] key to cancel pin input

### 7. 2. Card +Private PIN mode

7. 2. 1[reading card] +[enter 4-digit pin ] to open
7. 2. 2. press [#] key to cancel pin input

## 8. Reset programming pin:

Short the J2 on controller to reset the programming pin to factory default (for details see wiring diagram explanation)

## 9. warning output:

When has one of above the following conditions, has the warning to output

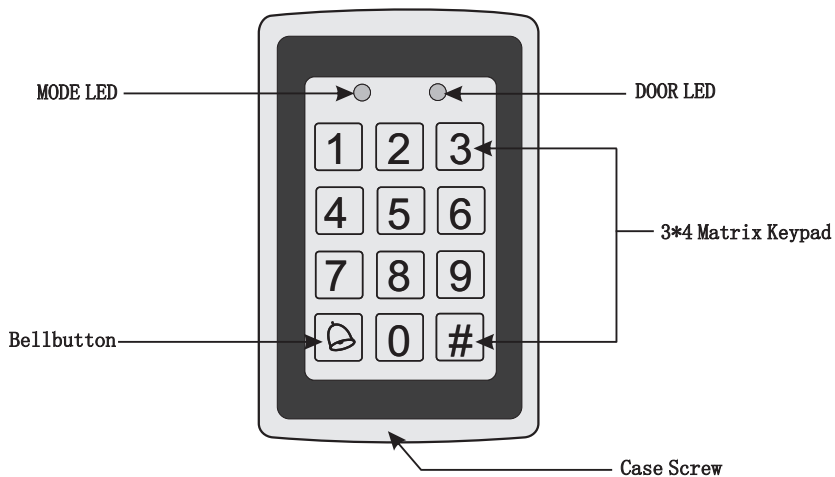
1. reports to the police the AUX\_IN electric potential to be low;
2. antiwithdrawal has the warning;
3. a magnetism has the warning.

## 10. frequently asked questions

| Symptom   | Possible wrongs and solutions  |
|---|--|
| After the lock is opened, there are 8 short beeps                                     | The controller needs higher voltage; the power supply should be checked  |
| The card reading distance is short or card cannot be read                             | 1. The controller puts in the metal surface, adjust the controller position<br>2. The electric current insufficient supply, adjusting power source |
| After reading card, there are 3 beeps and lock is not open                            | 1. It's in card +pin mode<br>2. [#]key is pressed wait for 5 seconds to present the card   |
| The enrolled card cannot open the door  | Check if the door sensor is in alarm status.<br>Disable the door sensor alarm  |
| Press[#] + [programming pin] there is long beep and cannot enter the programming mode | Other keys are pressed before pressing the [#]key, Keep on pressing [#] key after long beep. Then enter the programming mode again.                |
| Press[#] key, there is a long beep and cannot enter the programming mode              | Other keys are pressed before pressing the [#]key, Keep on pressing[#] key after long beep, then press the [#] key again                           |
| press [5], there are 3 beeps  | The controller has full card capacity  |
| Press [5] + [index code] 3beeps   | This code was already used, must press [5] + [3 codes] to operate  |
| Press[5] + [index code] 2 beeps+ [presenting card] 3beeps                             | This index code is in use ,select another index code.  |
| under the programming mode has not operated, the controller exit programming mode     | In programming mode, if there is no input in 20 seconds, the controller exits programming mode automatically                                       |

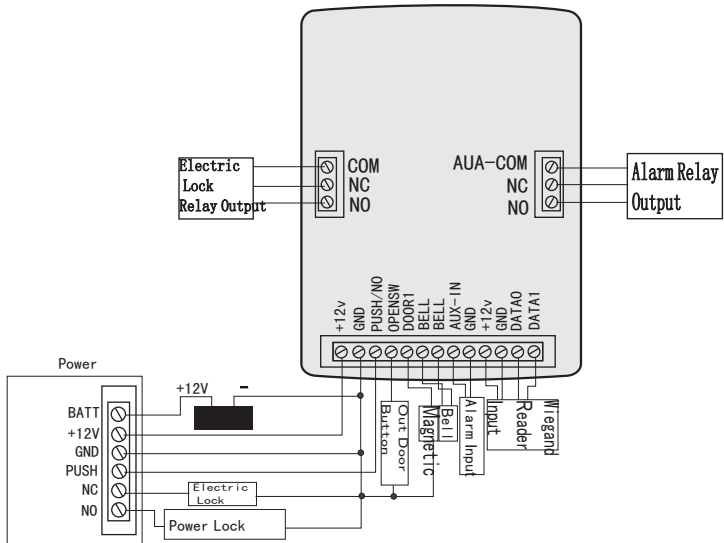
# Front View

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# Wiring Diagrams

Access Controller on the back of Wiring Diagram



Force to restore factory programmed Password:  
after release short J2 legs