METAL ACCESS CONTROL UNIT

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
Environmeantal 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 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 (Only apply to cetain models)

2. factory defaults

Item	factory default
programming PIN	881122 (recommends use r modified)
Door open mode	card or public pin (1234)
Private PIN	6000
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

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 enered 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 sees wiring diagram explanation)
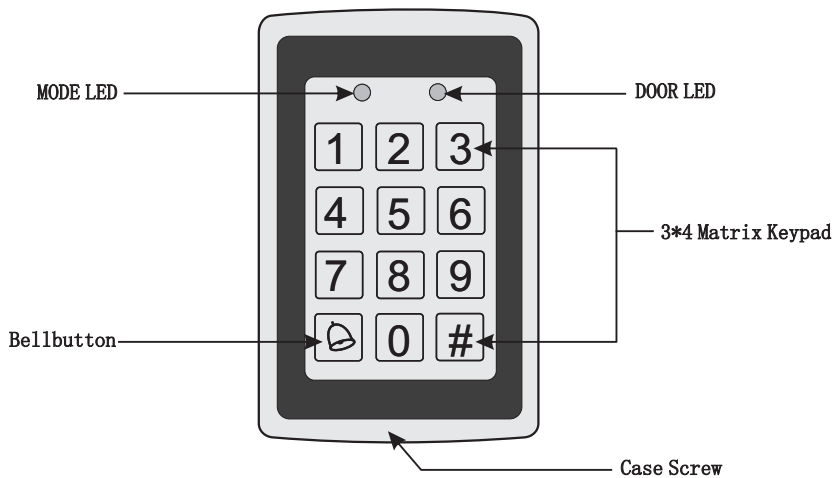
9. warning output:

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. antiwithdrawl has the warning;
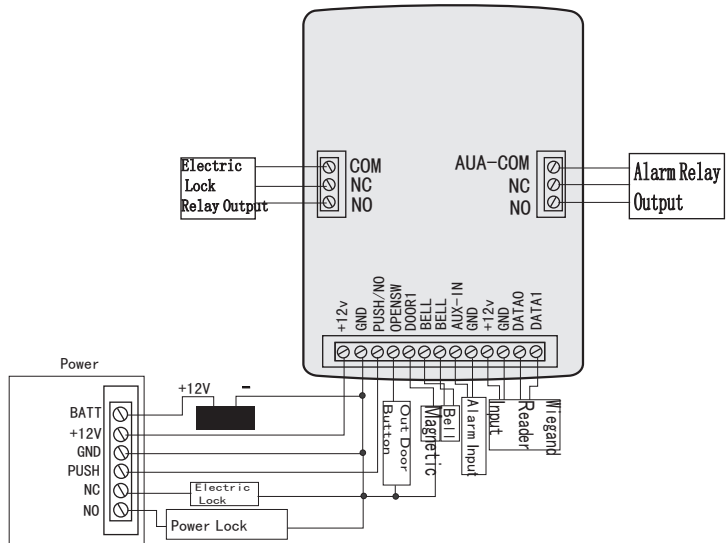3. a magnetism has the warning.

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, adjusts the controller position 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 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. Disable the door sensor alarm
Press[#] + [programming pin] there is long beep and cannot enter the programming mode	Other keys are pressed befor pressing the [#]key, Keep on pressing [#] key after ong 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 ong 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] 2beeps+ [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

MODE LED

DOOR LED

3*4 Matrix Keypad

Bellbutton

Case Screw

Wiring Diagrams

Access Controller on the back of Wiring Diagram

Electric Lock Relay Output — COM, NC, NO

AUA-COM, NC, NO — Alarm Relay Output

+12v GND PUSH/NO OPENSW DOOR1 BELL BELL AUX-IN GND +12v GND DATA0 DATA1

Out Door Button
Magnetic
Bell
Alarm Input
Wiegand Reader

Power
+12V   −
BATT
+12V
GND
PUSH
NC
NO

Electric Lock
Power Lock

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

Professional card products manufacturers, developers