Non-contact or proximity card access control user manual

1. Product main technical indicators

Project	Indicators
Power Supply	12VDC+12%/1.2A
unlock relay	12VDC/2A
ambient temperature:	work: 0℃~45℃ storage :-10℃~55℃
Relative humidity	work:40%~90%RH storage:20%~90%RH
effective Cards	1000
Password	common ： 1 individual ： 1000
Built-in proximity card reader identify the frequency	IDtype:125KHz ICtype:13.56MHz
induction card identifying the type	IDtype:EM or compatible ICtpe:MF1 or compatible
card reader from	IDtype:5-15CM ICtype:3-5CM
Electric locking interface	relay output or output of optional
open access	1
doorbell button interface	1
door sensor interface	1
interface to an alarm	1
add-in Reader Interface	1 Weigand26 interface (some models there is no such interface)

2. Product factory default values

Type	the factory default
programming password	881,122 (recommends that users modified)）
open mode	card or universal password (1234)）
Effective card PIN	0000
unlock time	3 seconds
Tamper Alarm	Open
Magnetic Alarm	off
Detection of Magnetic lock status	off
alarm delay	0 seconds
modify the password feature	off

3. Sound and Light show
3.1: Normal working condition
3.1.1. Effective instruction: a short beep sound

3.1.2. Invalid command: beep sound

3.2. Programming mode:

3.2.1 Green LED Continuously illumination

3.2.2 Effective instruction: du du two sounds

3.2.3 invalid command: du du du   three times

4. Revocation of the unfinished instruction type instruction not all been completed, press the [#] key, you can withdraw the instructions

5. functions and settings programming

5.1 access to programming password [#]+[6] du du, default: 881,122

5.5.2 modify the programming password [0] + [Enter six new programming password] + [re-type the new 6 programming password]

5.3   set the effective card: [5] + [Enter three codes] du   dudu   + [proximity card 1] du,dudu + [proximity card 2] du,dudu + ... + [n proximity card] du,dudu + [#] dudu complete to add card

5.3.1.3-bit code: that is 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 issuer personnel properly coded

5.3.2. when continuous set valid card, each card before a card encoded by the coding +1 increments. For example, input code for the 015, once again, when readers, once again the card is encoded as 016 ... ... and so on

5.3.3 and effective card default password : 0000

5.4 removed Effective Card:

5.4.1 encoding deletion Card [7] + [Enter three encoding 1] dudu+ [type 3 code 2] dudu + ... + [Enter three encoding N] dudu + [#] Du Du to complete the delete cards

5.4.2. induction method delete cards [7] + [proximity card 1] du,dudu + [proximity card 2] du,dudu + ... + [proximity card N] du,dudu + [#]dudu to complete the deletion card

5.4.3   remove all set cards: Please use the restore factory settings and effective way to delete

  5.4.4 card together with their personal password is also deleted

5.5. exit programming mode: [#]dudu

5.6. settings Induction card door way

5.6.1. card or password mode: [1] + [0] dudu (default)

5.6.2. Card + PIN mode: [1] + [1] Du Du

5.7 password

5.7.1. "Card or password" approach for the password: is the personal per valid card password (up to 999 personal password), and a universal code

5.7.2. Close personal password change function: [1] + [2] dudu(default)

5.7.3. open the change password function: [1] + [3] dudu

5.7.4 modify personal password: non-programmed state [#] (long by up to more than 2 seconds) du-dudu (if long-press [#] to issue an up to 2 seconds beep - dudu, said it was not open change password feature) + [proximity card] du,dudu + [Enter four of the original password] (The default 0000) dudu + [Enter the new password 4] + [re-type your new password 4] Du Du

5.7.5. revision universal code: [3] + [4 universal codes] (default 1234) works as the universal code or the personal password are 0000, in "card or password" under way, password invalid

5.8. establishment unblanking time: [2]+[TT]. the TT expression unblanking time, take the second as a unit, if the unblanking time is 3 seconds, then TT=03;

5.9. establishes the antiwithdrawl warning function:

5.9.1. closes the antiwithdrawl warning: [4]+[0]

  5.9.2. opens the antiwithdrawl warning: [4]+[1] when

  5.10. establishment unblanking examines the gate magnetism condition: when

5.10.1. closure unblanking examines the gate magnetism condition: [6]+[0] (effective instruction unblanking)

5.10.2. opening unblanking examines gate magnetism condition [6]+[1] ("effective instruction + gate magnetism closed" unblanking) this function to be possible to use in many interlocks.

5.11. establishment gate magnetism warning condition:

5.11.1 closure gate magnetism warning function: [8]+[0]

5.11.2 opening gate magnetism warning function: after [8]+[1] opens this function, when opens the door after normally, has not closed, or gate not after controller opening, the controller will send out honk toot toot Changming to report to the police continuously;

5.12. establishment warning delay time: the [82]+[TT].TT expression delayed alarm time, take the second as a unit, if the warning delay time is 3 seconds, then TT=03 warning time delay: Block system TT second later, gate (gate magnetism) also not closed, then reports to the police, only then relieves until the gate closed warning this instruction to simultaneously use   with the opening gate magnetism warning function.

6. Resumes the leaving the plant establishment: [86] toot toot, honk toot toot, 5 seconds later honk toot toot, the controller restores for leaving the plant establishment condition

7. Application method:

7.1. Card or password way:

7.1.1. input password's time-gap is smaller than when 2 second

7.1.2. has not completed the complete 4 password input, according to [#] the key, cancels this password to input

7.2. The card adds the personal password to open the door way

7.2.1[reads effective card]Toot toot +[personal password]Opens the door when

7.2.2. inputs personal password insufficient 4, after [#] key, direct input correct password then

8. forces to restore the leaving the plant programming password: after short-circuits the J2 two feet, loosens then (for details sees wiring diagram explanation) the
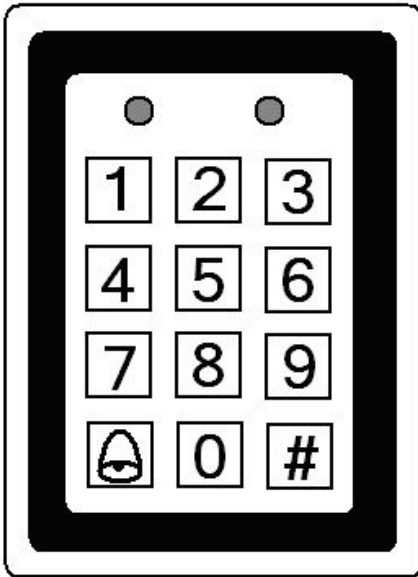
9. warning output: When has one of above the following conditions, has the warning to output
  1. reports to the police the AUX_IN electric potential to be low;
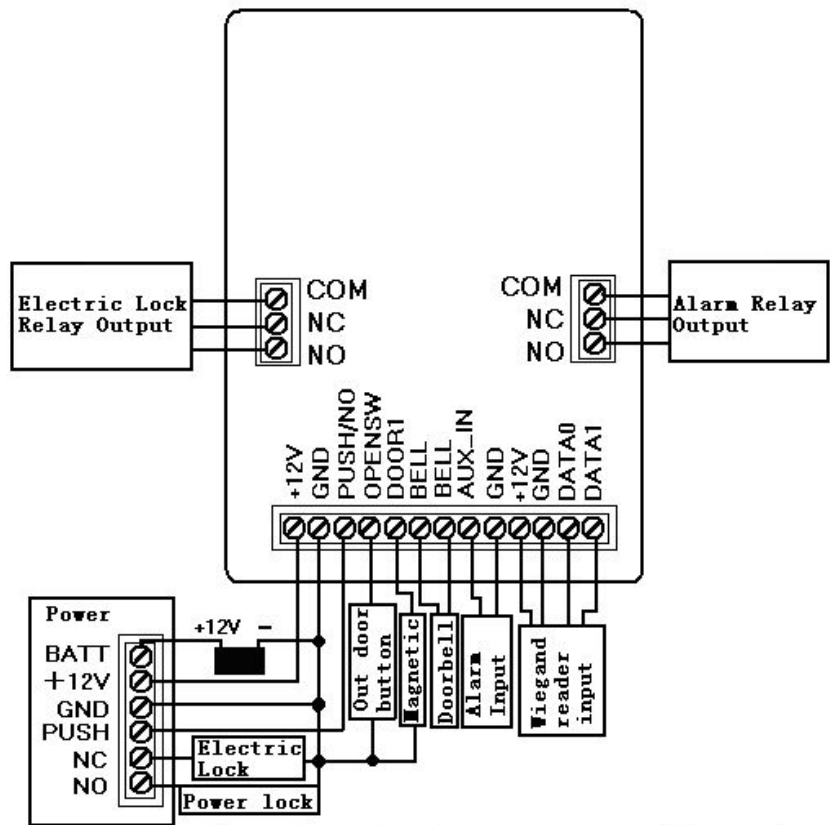2. antiwithdrawl has the warning;
3. a magnetism has the warning.

10. frequently asked questions

Symptom	Possible question and solution
the pressed key is normal, does not read the card; opens when the block system toot toot…Eight sounds	The direct current is insufficient, creates the controller breakdown, must increase a direct-current power supply to lock the power supply or the replacement high efficiency power source to the electricity, after increasing the power source, reset effective card
the pressed key is normal, reads the card to be away from near or reads the card not to be keen	1. The controller puts in the metal surface, adjusts the controller position 2. The electric current insufficient supply, after adjusting power source
read the card , toot toot, does not unlock	1. Has established the card + personal password way, the input password or the adjustment opens the door the way 2. Before reading the card, to press down [#] the key, waited for 5 seconds later read card
After read the effective card not to unlock	Has established when the unblanking examines the gate condition, has not met the gate magnetism or the gate not closed; when closure unblanking examines the gate magnetism condition or closed gate magnetism
[#] + [programming password] when midway honk Changming, has not entered the programming way	Has pressed other pressed keys before [#] the key, continues presses down [#] after long resounding directly according to [#] + [programming password] then
[#] the key, honk, cannot revise the personal password	Before [#] the key, has pressed other pressed keys, continues to press down [#] the key, after appearing long resounds, once more presses [#] 2 seconds later sends out (honk - toot toot)
presses [5], honk toot toot three sound	Controller's card capacity has been full
[5] + [code] honk toot toot	This code was already used, must press [5] + [3 codes] to operate
[5] + [code] toot toot + [induction card] honk toot toot	This card already established as the effective card, this code may also give other card use
under the programming condition has not operated, the controller withdraws from the programming condition	In programs under the condition, if in 20 seconds, does not have any programming instruction, the system automatic withdrawal programming, enters the normal work condition

Access Controller positive

Access Controller on the back of Wiring Diagram

Electric Lock
Relay Output

COM
NC
NO

COM
NC
NO

Alarm Relay
Output

+12V
GND
PUSH/NO
OPENSW
DOOR1
BELL
BELL
AUX_IN
GND
+12V
GND
DATA0
DATA1

Power

BATT
+12V
GND
PUSH
NC
NO

+12V —

Electric
Lock

Power lock

Out door
button

Magnetic

Doorbell

Alarm
Input

Wiegand
reader
input

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