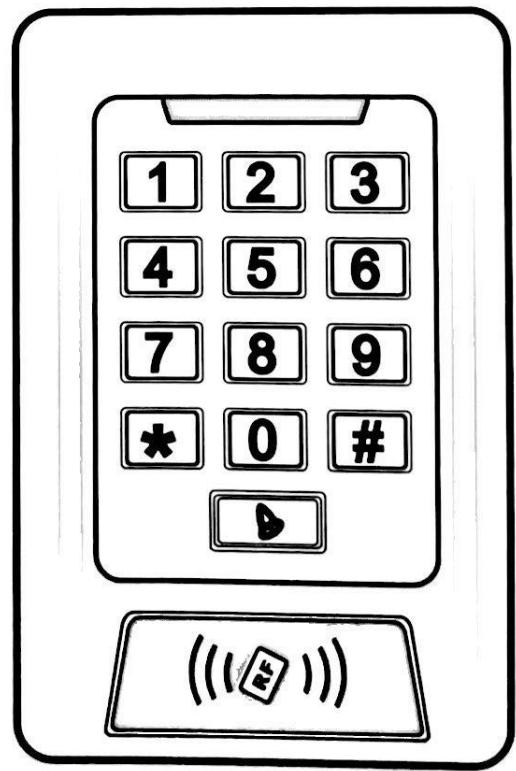
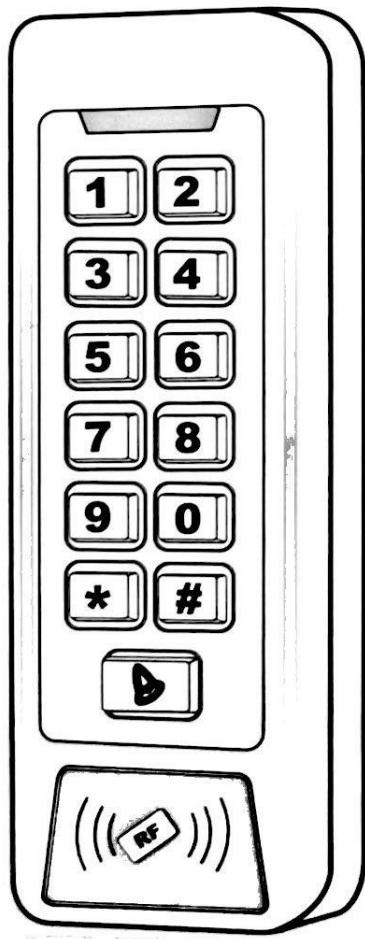


CC Series metal access control Manual



1. Description

CC Series is a standalone for two doors, support card, pin, card+pin access way. It is with 2 relays to control 2 doors and supports up to 2000 users in total, each user can possess one card and one pin. It can directly drive Lock, Alarm, Ring Bell, and also can connect with Exit Button and Door Contact.

There are 7 working mode with this device:

1. Wiegand Reader.
2. Standalone for single door.
3. standalone for two doors.
4. with external reader for two doors.
5. two units interlocked for two doors.
6. Anti-passback for single door.
7. Anti-passback for two door.

Besides, it also supports 1 Master code, 2 Manager card, 2 Anti-duress Card users and 2 Anti-duress PIN users, providing users with easy operations and safety reliability.

2. Features

1. Pure Zinc alloy case; waterproof conform to IP 68.
2. Built-in 125KHz OR 13.56MHz card reader (CC1).
 Built-in 125KHz and 13.56MHz card reader (CC2).
3. Perfect digital backlit key, the back light can be set to Normal ON, Normal OFF or Human-Approach ON.
4. With anti-tamper Alarm, door contact Alarm, Anti-duress Alarm function.
5. Add and delete card user quickly With Manager cards.
6. Can register and delete user via keypad.
7. Master can open the door when entering the setting status.
8. Multi working modes: reader, one door, two door, interlock, anti-passback and so on, suitable for many occasions.

3. Specification

Input Voltage AC/DC 12V

Idle Current<25mA

Lock output load<1A

Alarm output load<1A

Ring bell load<1A

Card reading distance 40mm Max

Card Frequency: 125KHz for EM and HID

13.56MHz for Mifare

Card transmission format 26-37 bit wiegand

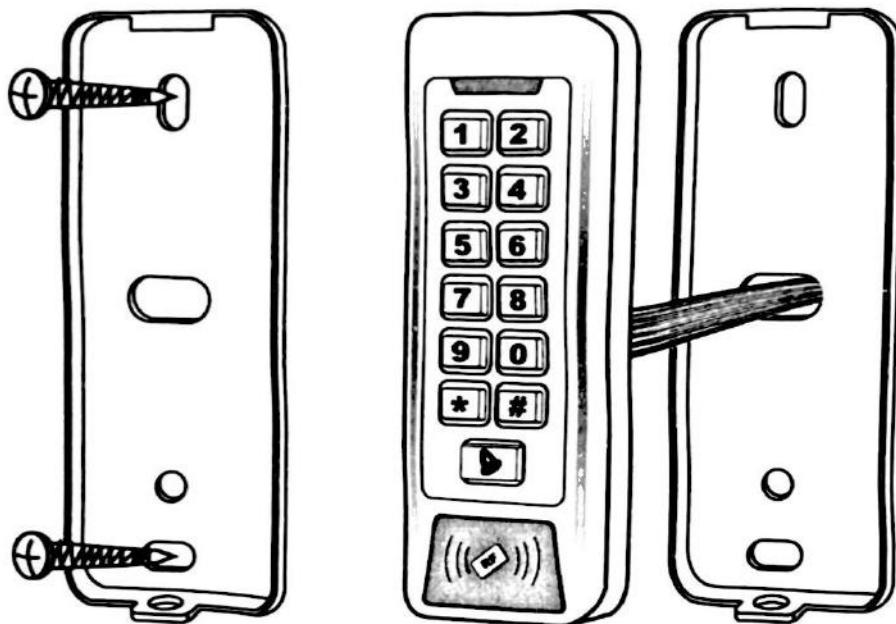
Keypad transmission format: 4bit, 8bit and Virtual card number

Operating Temperature: -45°C ~ 55° C

Operating Humidity: 0% ~ 95%

4. Installation

- Remove the back cover from the keypad using the supplied special screw driver.
- Drill 2 holes on the wall for the Self tapping screws and 1 hole for the cable.
- Put the supplied rubber bungs to into the two holes.
- Fix the back cover firmly on the wall with 2 Self tapping screws.
- Thread the cable through the cable hole.
- Attach the keypad to the back cover.



5. Wiring

| ZONE1 | | | | ZONE2 | | |
|-------|---------|--------|-----------------|------------|--------|-----------------------------|
| No. | Marks | Color | Description | Marks | Color | Description |
| 1 | BELL_A | Pink | Doorbell button | D0 | Green | Wiegand output D0 |
| 2 | BELL_B | Pink | Doorbell button | D1 | White | Wiegand output D1 |
| 3 | ALARM+ | Red | Alarm anode | AC1 | Red | AC1 (+12V) |
| 4 | AC2 | Black | AC input | GND | Black | GND |
| 5 | OPEN2 | Yellow | Exit button | OPEN1(BZ) | Yellow | Exit button (for green LED) |
| 6 | D_IN2 | Brown | Door contact | D_IN1(LED) | Brown | Door contact(for buzzer) |
| 7 | ALARM2- | Gray | Alarm 2 | ALARM1- | Gray | Alarm 1 |
| 8 | NO2 | Blue | Relay 2 NO end | NO1 | Blue | Relay 1 NO end |
| 9 | COM2 | Purple | Relay 2 Com | COM1 | Purple | Relay1 Com |
| 10 | NC2 | Orange | Relay 2 NC end | NC1 | Orange | Relay1 NC end |

6. Sound and Light Indication

| Operation | LED Color | Buzzer |
|----------------------|-----------------|----------|
| Standby | Red flash | |
| Press key | | Di |
| Read card | Green | Di- |
| Door 1 Open | Green | Di- |
| Door 2 Open | Green Flash | Di- |
| Operation Successful | Green | Di- |
| Operation Failed | | Di Di Di |
| PIN Inputting | Red | |
| Card&PIN Reading | Red | |
| Multi Card Reading | Red | |
| Under Menu | Red | |
| Under Setting | Orange | |
| Manager Card Enter | Orange | Di Di |
| Manager Card Exit | Red Flash | Di- |
| Alarm | Red Quick Flash | Alarm |

7 Quick Programming Guide

7.1 Administrator Setting

| Stand by | Master Code | Menu | Setting | Remarks | Functions |
|-----------|--------------|------|--------------------------------|-------------------------|----------------------------|
| Red Flash | Red | Red | Orange | | |
| * | Master code# | 00 | | Factory default: 999999 | Change the master code |
| | | 01 | Read Manager Add Card | Default: Zone 1 | Set Manager Add Card |
| | | 02 | Read Manager Delete Card | | Set Manager Delete Card |
| | | 03 | Read Anti-duress card (Zone 1) | | Set Zone1 Anti-duress card |
| | | 04 | Read Anti-duress card (Zone 2) | | Set Zone2 Anti-duress Card |
| | | 05 | Anti-duress PIN# (Zone 1) | | Set Zone1 Anti-duress PIN |
| | | 06 | Anti-duress PIN# (Zone 2) | | Set Zone2 Anti-duress PIN |
| | | 07 | 000 # | | Delete All Users |
| | | 51 | | | Master open Lock 1 |
| | | 52 | | | Master open Lock 2 |

7.2 User setting for Zone 1

| Stand by | Master Code | Menu | Setting | Remarks | Functions |
|-----------|--------------|------|---|--|---------------------------------|
| Red Flash | Red | Red | Orange | | |
| * | Master code# | 11 | Read card | Users can be added continuously without exiting programming mode | To add card users |
| | | | User ID number# read card | | |
| | | | Card number# | | |
| | | | ID number# card number# | | |
| | | | User ID number# PIN# | | To add PIN users |
| | | 12 | Read card | Users can be added continuously without exiting programming mode | To delete users |
| | | | User ID number# | | |
| | | | Card number# | | |
| | | 13 | 0# | Default 2 | Entry by Card |
| | | | 1# | | Entry by card+PIN |
| | | | 2# | | Entry by either Card or PIN |
| | | 14 | 0-99# | Default 5 | Set door relay time |
| | | | 0# | | Relay Setting-Pulse mode |
| | | 15 | 1# | Default 0 | Relay Setting-Toggle mode |
| | | | 1-10# | | To set open door by multi cards |
| | | 16 | User ID number#, card number#, card quantity# | | To add a series cards users |
| | | 17 | | | |

User setting for Zone 2

| Stand by | Master Code | Menu | Setting | Remarks | Functions |
|-----------|--------------|------|---|--|---------------------------------|
| Red Flash | Red | Red | Orange | | |
| * | Master code# | 21 | Read card | Users can be added continuously without exiting programming mode | To add card users |
| | | | User ID number# read card | | |
| | | | Card number# | | |
| | | | ID number# card number# | | |
| | | | User ID number# PIN# | | To add PIN users |
| | | 22 | Read card | Users can be added continuously without exiting programming mode | To delete users |
| | | | User ID number# | | |
| | | | Card number# | | |
| | | 23 | 0# | Default 2 | Entry by Card |
| | | | 1# | | Entry by card+PIN |
| | | | 2# | | Entry by either Card or PIN |
| | | 24 | 0-99# | Default 5 | Set door relay time |
| | | | 0# | | Relay Setting-Pulse mode |
| | | 25 | 1# | Default 0 | Relay Setting-Toggle mode |
| | | | 1-10# | | To set open door by multi cards |
| | | 26 | User ID number#, card number#, card quantity# | | To add a series cards users |
| | | 27 | | | |

7.3 System Setting

| Stand by | Master Code | Menu | Setting | Remarks | Functions |
|-----------|--------------|------|---------|--|--|
| Red Flash | Red | Red | Orange | | |
| * | Master code# | 30 | 0-15# | Default 0 | To set facility code |
| | | | 0# | | Wiegand reader |
| | | 31 | 1# | When device reset to factory default, the setting is still valid | Standalone for single door (Factory default setting) |
| | | | 2# | | Standalone for two doors |
| | | | 3# | | With external reader for two doors |
| | | | 4# | | Two units interlocked for two doors |
| | | | 5# | | Anti-passback for single door |
| | | | 6# | | Anti-passback for two door |
| | | 32 | 26-37# | Default 26 | To set Wiegand format |
| | | 33 | 0-2# | When device reset to factory default, the setting is still valid | To set keypad transmission format |
| | | 34 | 1-3# | Default 1 | To set alarm time |
| | | 35 | 0# | Default 0 | Safe mode 0 |
| | | | 1# | | Safe mode 1 |
| | | | 2# | | Safe mode 2 |

7.4 User optional setting

| Stand by | Master Code | Menu | Setting | Remarks | Functions |
|-----------|--------------|------|---------|-----------|--|
| Red Flash | Red | Red | Orange | | |
| * | Master code# | 41 | 0# | | Buzzer will be in silence except enter the programming mode |
| | | | 1# | Default 1 | Buzzer will sound when press the key |
| | | 42 | 0# | | Disable keypad backlight |
| | | | 1# | | Enable keypad backlight |
| | | | 2# | Default 2 | Automatic mode, Normally it is off (sleeping mode) but wake up with human approach |
| | | 43 | 0# | | LED Light Disable when stand-by status |
| | | | 1# | Default 1 | LED flash when stand-by status |

Instruction:

1. Master code must be 6-8 digits, Anti-duress PIN must be 8 digits, user PIN is 4-6 digits, The 1st digit of user PIN and Anti-duress PIN in Zone1 must be 1; The 1st digit of user PIN and Anti-duress PIN in Zone 2 must be 2.

2. The user ID number is any number among 1-2000, Invalid 0 can be omitted; card number must be 8 or 10 digits, if the card number is less than 8 or 10 digits, input 0 before the card number.
3. Door open time is 0-99 second, 0=50mS
4. When register one card user into the device, the device will automatically generate a PIN 1234, this PIN can't open the door door.
5. When an invalid master pin is pressed the device will go back to the standby status after 5 seconds, when a valid PIN is entered it will go back to standby status after 30 seconds.
6. In operating the keypad, pressing # means to confirm the input digits, in operation of a cycle adding or deleting cards, pressing # means to end the cycle operation and back the up operation; pressing * means to exit the operation.
7. When add a series cards, this unit will make the ID number and card number initial value; after adding one user, then it will increase the ID number and card number automatically, until the specified number of card is added. the card number must be consecutive card quantity is between 1-2000.
8. Working mode and keypad transmission format have been set before shipping, customer can change according to requirement, but when device reset to factory default, the setting is still valid.
9. When users of Zone 1 is registered successfully, LED will turn green; when users of Zone 2 is registered successfully, LED will be green flash.

8. Administrator setting

Administrator setting on keypad

Press ***** **Master code #** factory default:999999

8.1 Change the master code

Press **00** **new code #** **repeat new master code#**

Note: Master Code length:6~8 digits

8.2 Set Manager card

Set manager add card

Press **01** **read manager add card**

Set manager delete card

Press **02** **read manager delete card**

Note: when add the new manager card, the new one will automatically cover the old card, only one manager card for one device

8.3 Set Anti-duress card

Set Anti-duress card for Zone 1

Press **03** **read anti-duress card** (Zone 1)

Set Anti-duress card for Zone 2

Press **04** **read anti-duress card** (Zone 2)

Note: when add the new anti-duress card, the new one will automatically cover the old card, only one anti-duress card for one device

8.4 Set Anti-duress PIN

Set Anti-duress PIN for Zone 1

Press **05** **8-digit duress PIN#** (Zone 1)

Set Anti-duress card for Zone 2

Press **06** **8-digit duress PIN#** (Zone 2)

Note: 1. the 1st digit must be 1 for Zone 1

2. the 1st digit must be 2 for Zone 2

3. when set the new anti-duress PIN, the new one will automatically cover the old anti-duress PIN, only one anti-duress PIN for one device.

8.5 Delete all users

Press **07** **0000 #**

Note: both zone 1 and zone 2 will be deleted. This is a dangerous option, so use with care.

8.6 Set administer open lock

Set administer open Lock 1

Press **51**

Set administer open Lock 2

Press **52**

8.7 Users setting for Zone 1

8.7.1 Read card to add user

Press **11** **read card #** **read card ... #**

8.7.2 Use ID Number and read card to add user

Press **11** **ID number #** **read card ... ID number # read card ... #**

8.7.3 Use card number

Press **11** **card number # ... card number# ... #**

Note: 1. Card number must be 8 or 10 digits, if the card number is less than 8 or 10 digits, input 0 before the card number

2. Automatically increases, the user ID will be generated by the machine automatically, the range is 1 ~ 2000, and automatically search from 1 to 2000

8.7.4 Use ID number and card number to add user

Press **11** **ID number #** **8-digits card number # ...**
ID number# 8-digits card number# ... #

Note: 1. ID number is 1~4 digits, the range is 1~2000, 1,01,001,0001, all these mean ID number 1.

2. add card user will generate one "1234" PIN, this PIN can't open door, only for user modify PIN.

8.7.5 Use ID number and PIN to add user

Press **11** **ID number#PIN #** ... **ID number#PIN#** ... **#**

Note: this fit PIN user, pin is irrelevant with card, the PIN is any 4-6 digits, 1st digits must be 1 for Zone 1 with the exception of 1234 which is reserved.

8.8 Delete user

8.8.1 Read card to delete user

Press **12** **read card** **read card** ... **#**

8.8.2 Use ID number to delete user

Press **12** **ID number #** **ID number #** ... **#**

8.8.3 Use card number to delete user

Press **12** **card number #** **card number #** ... **#**

8.8.4 Delete all users

Press **07** **0000** **#**

Note: both zone 1 and zone 2 will be deleted.

8.9 Set opening door mode

8.9.1 Entry is by card only

Press **13** **0** **#**

8.9.2 Entry is by card and PIN together

Press **13** **1** **#**

8.9.3 Entry is by card or PIN (factory default)

Press **13** **2** **#**

8.10 Set door relay time

Press **14** **0~99** **#**

Note: 0~99 is to set the door delay time 0-99 seconds, factory default is 5 seconds.

8.11 Set Relay mode

Relay setting -pulse mode

Press **15** **0** **#**

Every time a valid card/tag read or PIN input, the relay will operate, for the pre-set relay pulse time. (Factory default setting)

Relay setting-Toggle mode

Press **15** **1** **#**

Every time a valid card/tag read or PIN input, the relay changes state, which will not turn back until read card/tag or input PIN again.

8.12 Set opening door by multi cards

Press **16** **card quantity** **#**

Note: the door will be opened only after reading all the valid multi cards up to the card quantity setting. It is only for card entry mode(Factory default setting :1)

8.13 Add a series consecutive cards users

Press **17** **ID number #** **card number #** **card quantity #**

Note: the card number must be consecutive card quantity is between 1~20000; card number is 10 digits or 8 digits.

8.14 User setting for Zone 2

The method is the same with Zone 1, corresponding menu should be 21,22,23,24, 25,26,27

8.15 system setting

8.15.1 To set facility code

Press **30** **0~15** **#**

Note: code should be 0~15, factory default setting :0

8.15.2 Wiegang Reader

Press **31** **0** **#**

8.15.3 Standalone for single door(Factory default setting)

Press **31** **1** **#**

8.15.4 Standalone for two doors

Press **31** **2** **#**

8.15.5 With external reader for two doors

Press **31** **3** **#**

8.15.6 Two units interlocked for two doors

Press **31** **4** **#**

8.15.7 Anti-passback for Single door

Press **31** **5** **#**

8.15.8 Anti-passback for two doors

Press **31** **6** **#**

8.16 To set wiegang format

Press **32** **26 34 37** **#**

Note: factory default setting :26

8.17 Setting keypad transmission format

Press **33** **0~2** **#**

Note: keypad transmission format is 0 1 2, factory default is 0; when device reset to factory default, the setting is still valid.

8.18 Setting alarm time

Press **34 1~3 #**

Note: 1. factory default is 1 minute
2. when device reset to factory default, the setting is still valid.

8.19 Setting safe mode

8.19.1 Normal mode (factory default)

Press **35 0 #**

8.19.2 Dead mode

Press **35 1 #**

If read invalid card or input wrong PIN 10 times in 10 minutes, system will be dead for 10 mins

8.19.3 Alarm mode

Press **35 2 #**

if read invalid card or input wrong PIN 10 times in 10 minutes, external alarm and built-in buzzer will work.

8.20 User optional setting

8.20.1 Setting keypad tone OFF or ON

Press **41 0 #**

The device will be in silence except enter the programming mode

Press **41 1 #**

The device will give the voice when press the keys (Factory default setting)

8.20.2 Setting keypad backlight

Disable keypad backlight

Press **42 0 #**

Enable keypad backlight

Press **42 1 #**

Automatic mode (factory default setting)

Press **42 2 #**

Normally it is off(sleeping mode) but wake up with human approach

8.20.3 Setting LED light (stand-by status)

Disable LED light

Press **43 0 #**

Flash LED light (factory default setting)

Press **43 1 #**

Manager card operation

8.21 Add user for Zone1

Read Manager Add Card, read user cards continuously, read Manager Add card again.

8.22 Delete user for Zone 1

Read Manager Delete Card, read user cards continuously, read Manager Delete card again.

9 User Operation

- 9.1 **Entry by card mode, Set multi cards to open door when card quantity is 1**
Read user card, lock will be unlocked
- 9.2 **Entry by card mode, Set multi cards to open door when card quantity is 2-10**
Read these cards one by one, present each card in 5 seconds, lock will be unlocked
- 9.3 **Entry by card and PIN**
Present card, then press PIN(4 to 6 digits), #, lock will be unlocked
- 9.4 **Entry by card or PIN mode**
Present card, lock will be unlocked
Or Press PIN(4 to 6 digits), #, lock will be unlocked
- 9.5 **Relay mode**

Relay setting -pulse mode.

Every time a valid card/tag read or PIN input, the relay will operate, for the pre-set relay pulse time.

Relay setting-Toggle mode

Every time a valid card/tag read or PIN input, the relay changes state, which will not turn back until read card/tag or input PIN again

9.6 Modify user PIN (no need enter programming mode)

*, read user card, press old PIN, #, new PIN # new PIN #
Or *, press ID number # old PIN# new PIN # new PIN #

Notice: user who dont have user card must get ID number and origin PIN from Admin, Zone 1 users PIN must start with 1, Zone 2 users PIN must start with 2.

10 Alarm function

10.1 Anti-tamper alarm

If the device is disassembled illegally, the buzzer and the external alarm will operate.

10.2 Door contact alarm

When connect with door contact, if the door is opened illegally, the buzzer and the external alarm will operate.

10.3 The Anti-duress alarm

When read zone 1 anti-duress card/input 8-digit anti duress PIN or zone 2 anti-duress card/input 8-digit anti duress PIN, then press #, The corresponding lock will open, at the same time, the external alarm will operate, but the device buzzer will not operate.

10.4 Remove alarm

Read valid user card, manager card or input master code, then alarm will be removed. If no any operation, alarm will be removed automatically after 1 min.

11 Multi working mode:

There are 7 working mode with this device.

1. Wiegand Reader.
2. Standalone for single door.
3. Standalone for two doors.
4. with external reader for two doors.
5. two units interlocked for two doors.
6. Anti-passback for single door.
7. Anti-passback for two door.

The factory default is Standalone for single door (we can change the default model according to customer order). User can modify the working mode, when the device reset to factory default the setting is still valid.

11.1 Wiegand Reader mode

In this mode, the access control works as reader, connected with the common access controller, it has following function.

Modify master pin

Set facility code

Set the card transmission format

Set the keypad transmission format

Set optional setting

Anti-Tamper alarm

When LED level is low, indicator light(LED) will turn into green, after 30 seconds or LED level rising, LED will back to normal.

When BZ level is low, the buzzer will beep, after 30 seconds or BZ level rising, the buzzer will back to normal.

When it used as the reader, both card number and keypad transmits in Wiegang format, the output data are shown by the low level of DO&D1 wire:

D0: Low level means 0,green wire

D1: Low level means 1,white wire

The Pulse width of low level is 100uS, bit period is 1.6mS

The digits of card number can be set to 26-37 bit, should be matched with the controller. (Factory default is 26Bit)

Keypad transmission can be set in the following 3 modes(modes can be set by user)

Model 0: Virtual card number

The reader will transmit the PIN data when it receives the last key(#) press after PIN code.

Format: Decimal card number with 10 digits, Facility code(1st~4th digit)+PIN Code (5th-10th digit).

Facility code is any digits between 0~15, PIN code is 4~6 digits.

Example: facility code: 15

PIN code: 9999

Press 9999 #, then output format will be 0015009999

PIN code: 999999

Press 999999#, then output format will be 0015999999

Model 1: 4 Bit

The output data is provided in following format after every key is pressed:

| key | Output in hex | Output in Binary |
|-----|---------------|------------------|
| 0 | 0 | 0000 |
| 1 | 1 | 0001 |
| 2 | 2 | 0010 |
| 3 | 3 | 0011 |
| 4 | 4 | 0100 |
| 5 | 5 | 0101 |
| 6 | 6 | 0110 |
| 7 | 7 | 0111 |
| 8 | 8 | 1000 |
| 9 | 9 | 1001 |
| * | A | 1010 |
| # | B | 1011 |

Model 2: 8 Bit

The output data is transmitted in following format after every key is pressed:

| key | Output in hex | Output in Binary |
|-----|---------------|------------------|
| 0 | 0 | 11110000 |
| 1 | 1 | 11100001 |
| 2 | 2 | 11010010 |
| 3 | 3 | 11000011 |
| 4 | 4 | 10110100 |
| 5 | 5 | 10100101 |
| 6 | 6 | 10010110 |
| 7 | 7 | 10000111 |
| 8 | 8 | 01111000 |
| 9 | 9 | 01101001 |
| * | A | 01011010 |
| # | B | 01001011 |

11.2 Standalone for single door

In this mode, the device supports connecting external card reader for exiting door. The users of Zone 1 or external can open the door by valid card or PIN.

11.3 Standalone for two doors

In this mode, users are for controlling two doors. Read valid card or input PIN of Zone 1 on this unit, door 1 will be opened; reading valid card or input PIN of Zone 2 on this unit, door 2 will be opened.

Remark: the common card for Zone 1 and Zone 2 can only open door 1.

11.4 With external reader for two doors

In this mode, this unit is for entering door 1, and external reader is for entering door 2. Read valid card or input of Zone 1 on the machine, door 1 will open; read valid card or input PIN of Zone 2 on external reader, door 2 will open.

Remark: the common card for Zone 1 and Zone 2 can open door 1 on this unit, and open door 2 on external reader.

11.5 Two units interlocked for two doors

The interlock function is mainly used in banks, prisons, and other places where a higher level security is required. When and only door 2 closed, read valid card / input PIN on this machine, door 1 will open; when and only door 1 closed, read valid card / input PIN on external reader, door 2 will open.

Remark: The valid card /PIN is only for users of Zone 1, users of zone 2 are invalid.

11.6 Anti-passback for Single door

In this mode, this unit install outside is for entering door, external reader inside for exiting door, the users can only enter door when read valid card on the machine, and exit from the inside external reader. If without the entering record from the machine, the users can not exit from the inside reader, also the Users can't enter in twice without the first exit record.

Remark: this is only for card users of Zone 1, PIN users of Zone 1 and all users of Zone 1 are invalid.

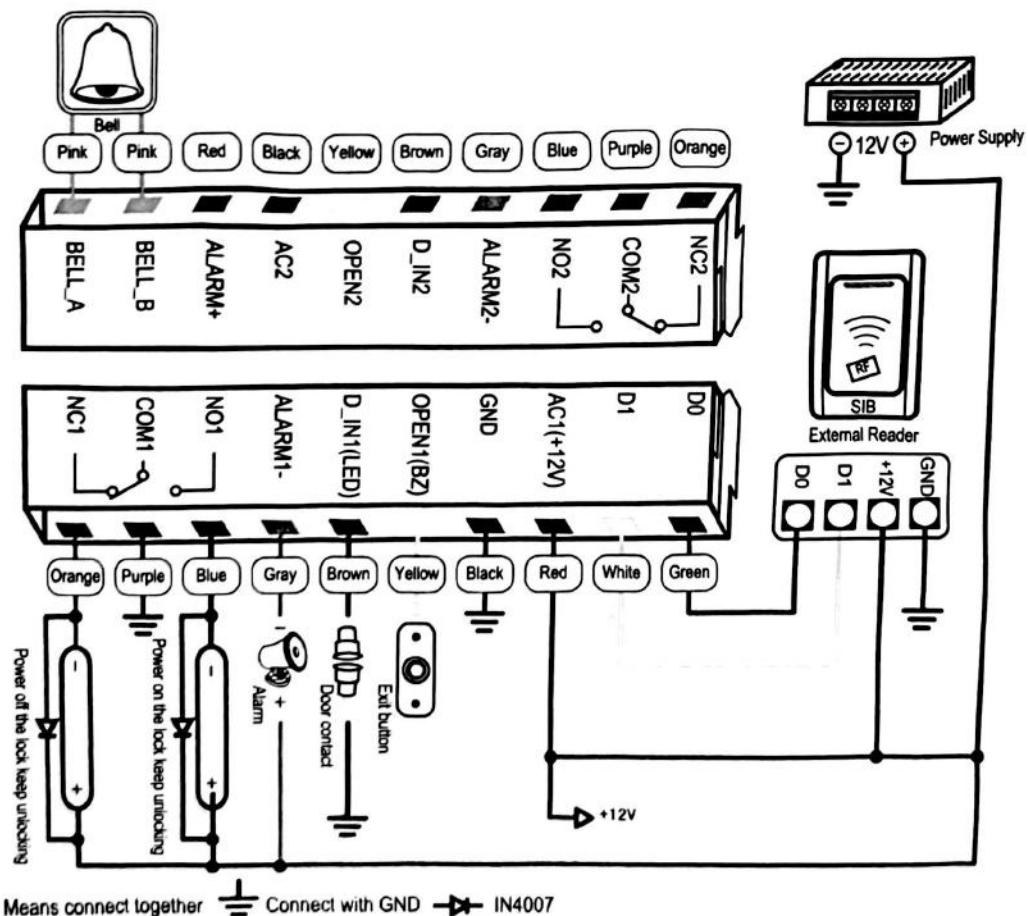
11.7 Anti-passback for two doors

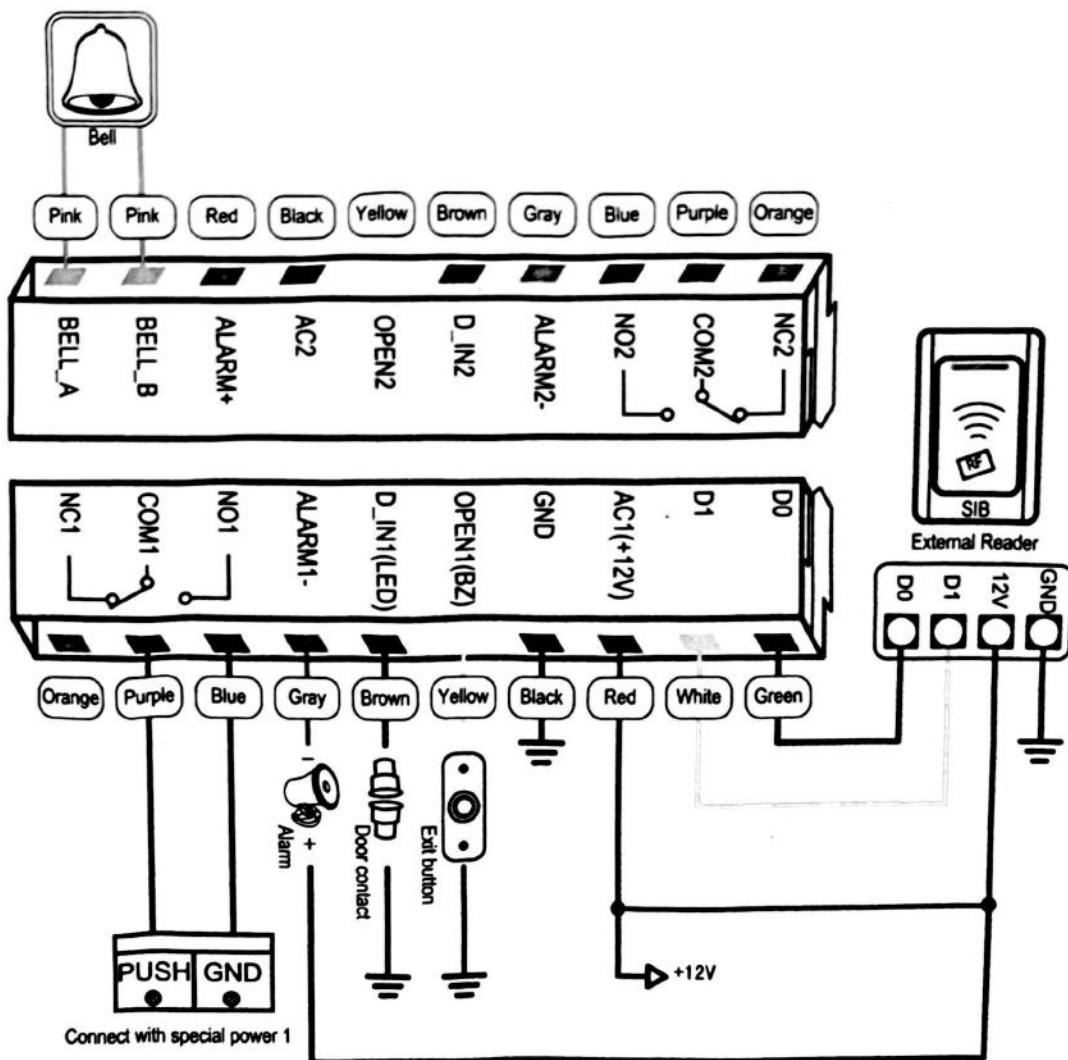
In this mode, this unit on door 1 is anti-passback master unit, and external reader on door 2 as the anti-passback auxiliary unit. then they build up a two doors anti-passback system, which is normally used for parking lot.

The users can only enter door 1 when read valid card on this unit, and exit from door 2 when read valid card on external reader. If without the entering record from door 1, the users can not exit from the door 2, also the users can't enter in twice without the first exit record.

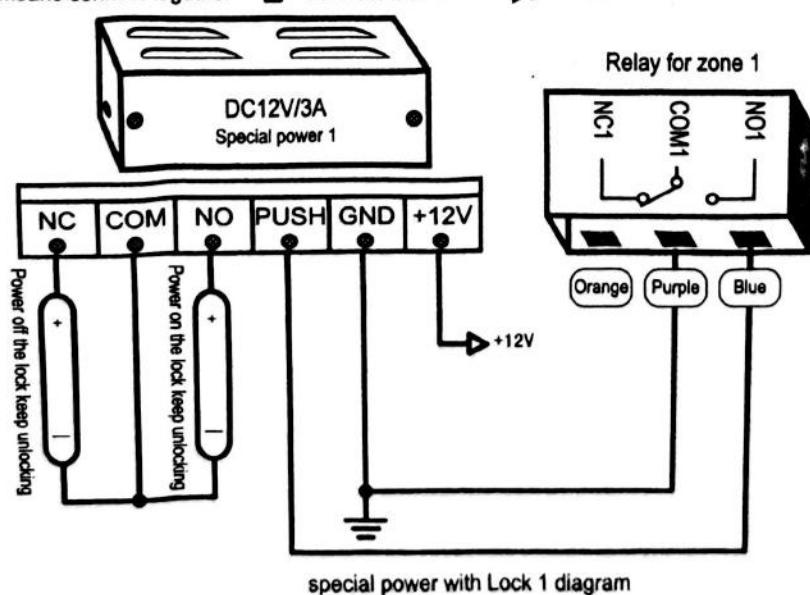
Remark: this is only for card users of Zone 1, PIN users of Zone 1 and all users of Zone 2 are invalid.

12 Diagram for 7 working mode



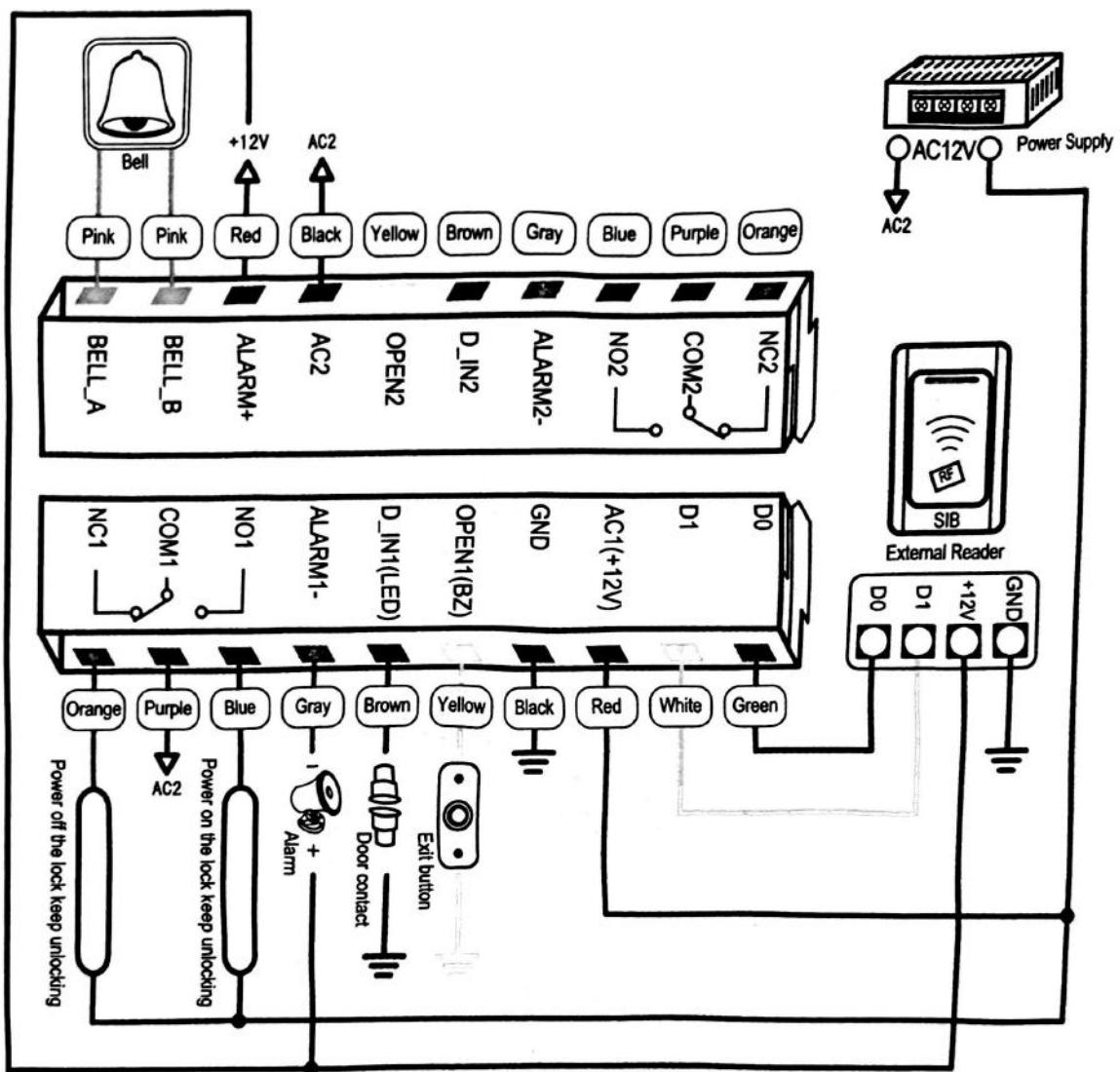


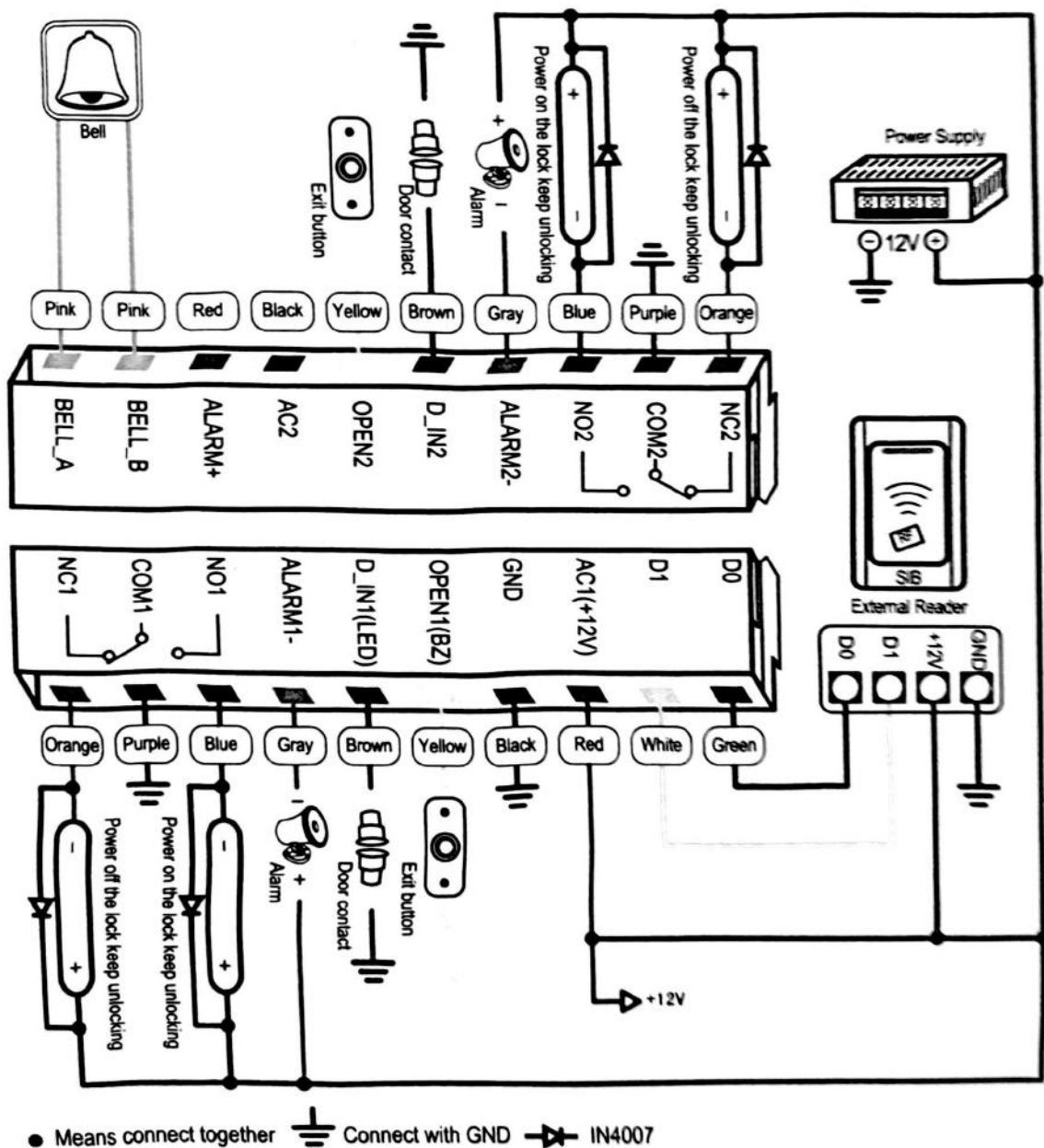
● Means connect together Connect with GND IN4007



DC12V special power

Mode Standalone for single door diagram
Mode Anti-passback for Single door diagram

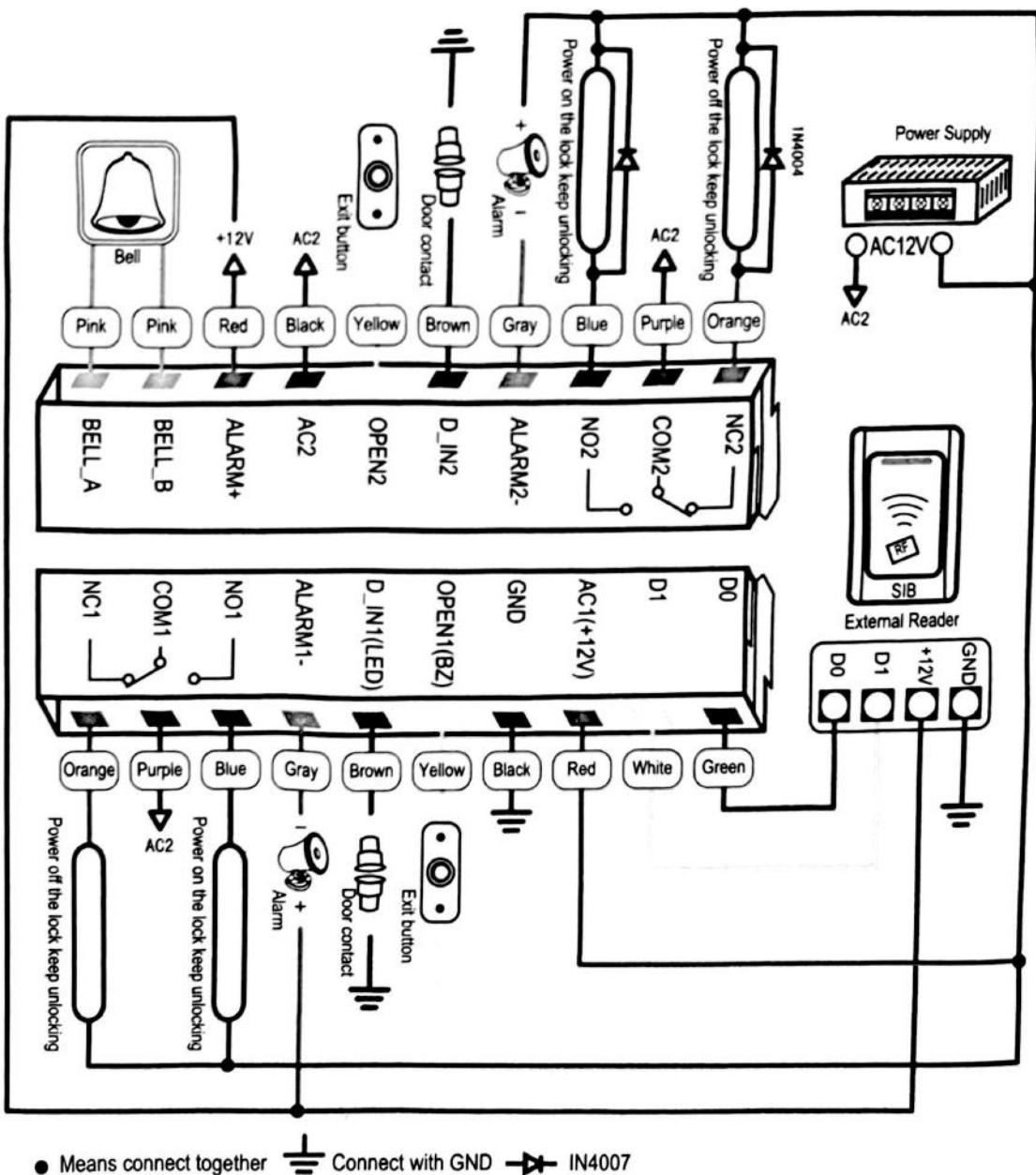




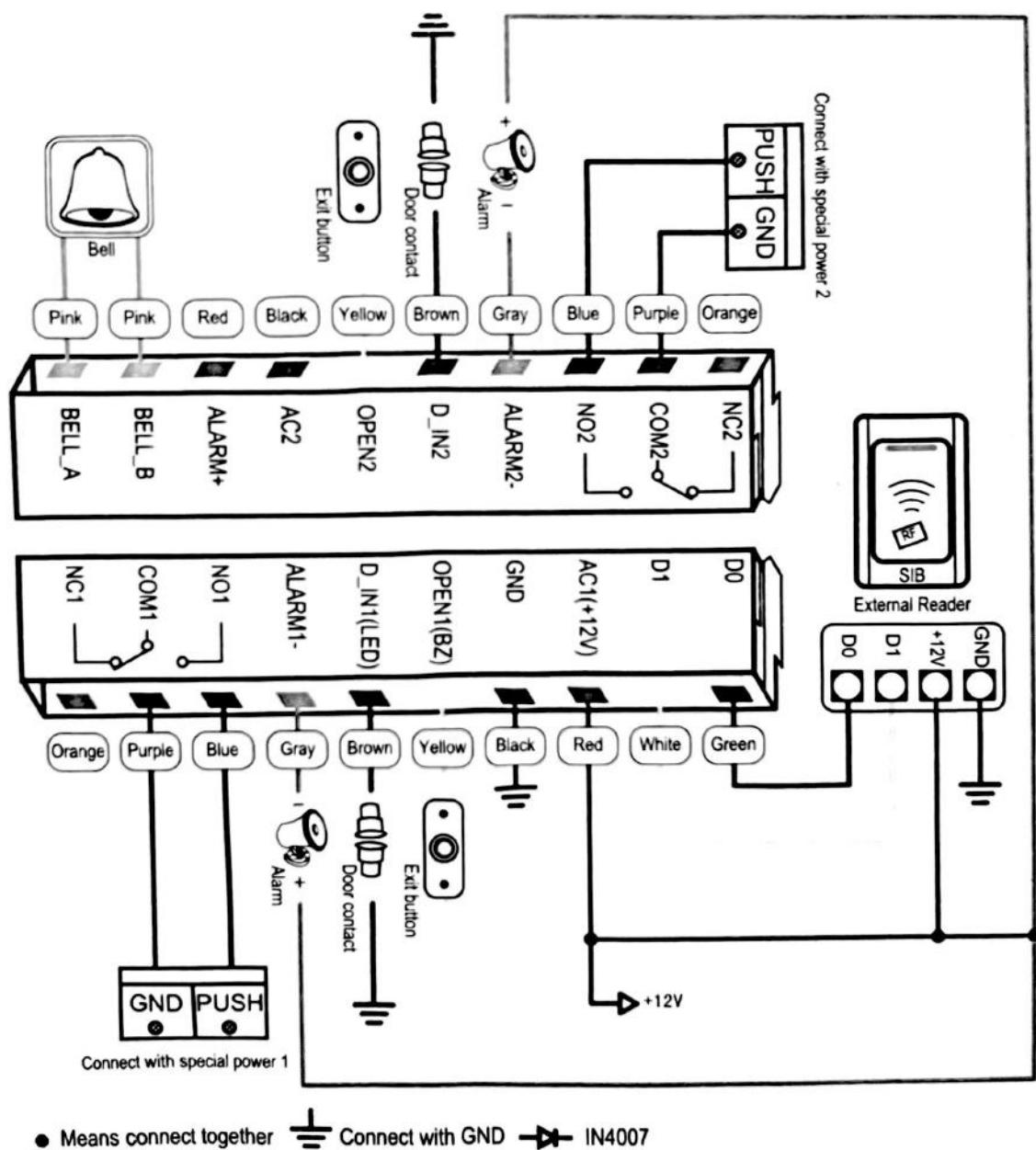
● Means connect together Connect with GND

DC12V common power

Mode With external reader for two doors diagram
 Mode Standalone for two doors diagram
 Mode Two units interlocked for two doors diagram
 Mode Anti-passback for two doors diagram

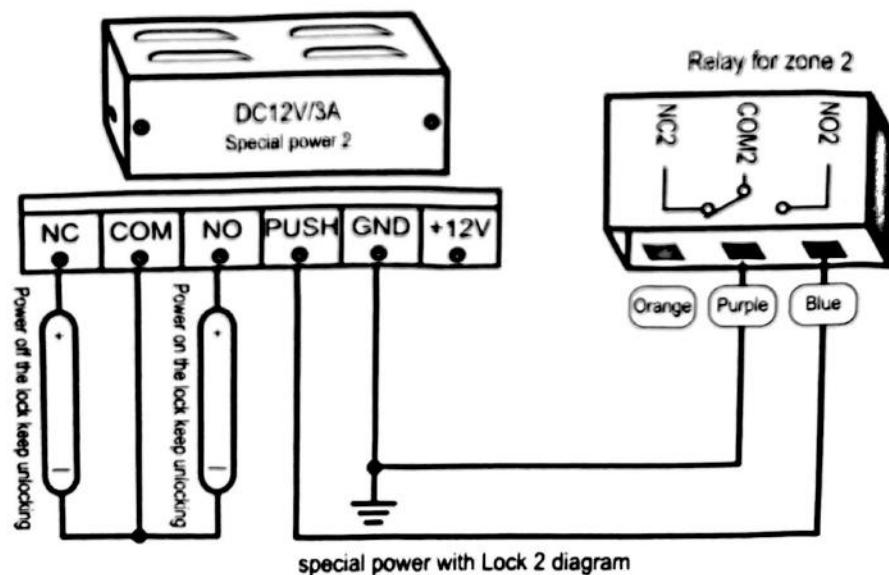
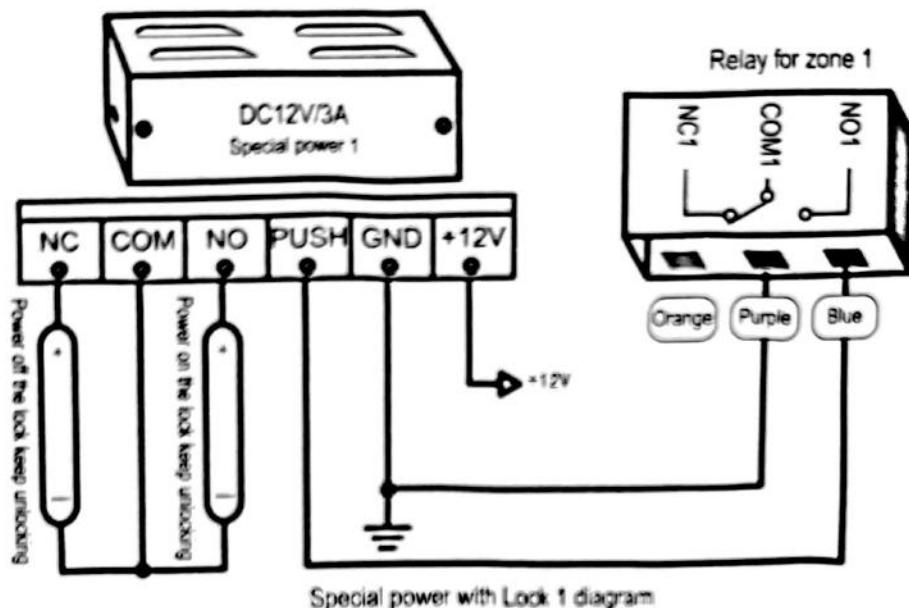


AC12V common power
Mode With external reader for two doors diagram
Mode Standalone for two doors diagram
Mode Two units interlocked for two doors diagram
Mode Anti-passback for two doors diagram



Composite Diagram 1

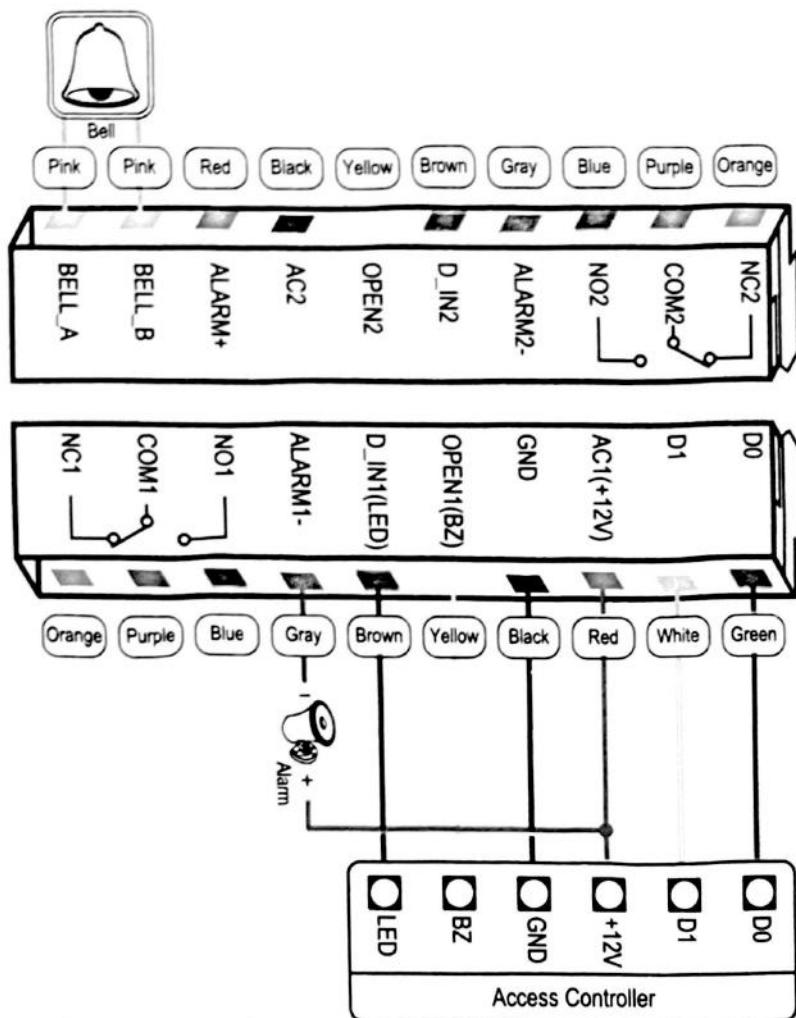
Mode With external reader for two doors diagram
 Mode Standalone for two doors diagram
 Mode Two units interlocked for two doors diagram
 Mode Anti-passback for two doors diagram



Composite Diagram 2

DC12V special power 1

- Mode With external reader for two doors diagram
- Mode Standalone for two doors diagram
- Mode Two units interlocked for two doors diagram
- Mode Anti-passback for two doors diagram



Mode Wiegand reader diagram

13 Instance Operations

13.1 Modify master code as 201200

press * 999999 # 00 201100 # 201100 #

13.2 Set Anti-duress PIN of Zone 1 as 12012000

press * 201100 # 05 12012000 #

13.3 Add last 8 digit card number as 00967865 and 86998736 user of Zone 1

Press * 201100 # 11 00967865 # 86998736 #

13.4 Add first 10 digit card number as 0098786500 and 8699873600 user of Zone2

Press * 201100 # 21 0098786500 # 8699873600 #

13.5 Add ID user 006, PIN 201200, Zone 2 user

press * 201100 # 21 6 # 201200 #

13.6 Set open mode of Zone 1 as card+PIN
press ***** 201100 # 13 1 #

13.7 Rapid increase consecutive numbers 1000 cards (start with 00987865 ID is 005)
press ***** 201100 # 17 05# 00987865# 1000 #

13.8 Ret working mode as reader mode
press ***** 201100 # 31 0 #

13.9 Ret card output format as WG34
press ***** 201100 # 32 34 #

13.10 Set master open lock 1
press ***** 201100 # 51

14 Simple Troubleshooting

| Code | Fault | Fault Cause | Solutions |
|------|--------------------------------|--|---|
| 1 | Close Read range | Quality of card | Use original card |
| 2 | Problem in PIN setting | 1. PIN is not standard 2. Set Password at reader mode | 1. first number of PIN should be 1 or 2, match with Area number 2. PIN shouldn't be 1234 3. PIN is 4 to 6 digits 4. don't set PIN at reader mode |
| 3 | PIN can't open door | 1. use PIN 1234 2. entry mode setting | 1. 1234 is original PIN, can't open the door, should be modified as other PIN 2. set open mode as entry by card or PIN. |
| 4 | Alarms at normal condition | While installation, light leak under bottom | While installation, device should closed to the wall |
| 5 | No responds after card reading | Units are not in ready mode | Press * key, light flash, units back to ready mode |
| 6 | Keypad light is not bright | Mode of keypad light setting is wrong | 1. set keypad light as shine or auto 2. under auto mode, light shine after press keypad, delay 30 seconds |
| 7 | Can't enter master mode | Forget master code | Reset to Factory Default, master code will be 999999, only installer data is restored, user data will not be affected |

15 To Reset to Factory Default

- a. Disconnect power from the unit.
- b. Press and hold # key whilst powering the unit back up.
- c. On hearing two "Di" release # key, system is now back factory settings.

Please note only installer data is restored, user data will not be affected.

16 Packing List

| Name | Model / size | Quantity | Remarks |
|---------------------|--------------|----------|--------------------|
| Keypad | CC1/CC2 | 1 | |
| User manual | CC1/CC2 | 1 | |
| Self tapping screws | Φ4mm×27 mm | 2 | Used in fixing |
| Rubber plug | Φ6mm×30 mm | 2 | Used in fixing |
| Star screw driver | Φ20mm×60mm | 1 | Special for Keypad |
| two-electrode valve | 1N4007 | 1 | |

Warm Tip:

- * Please do not to repair the device privately, if have problem, please return to the supplier.
- * Before installation on wall, please check carefully concealed wiring or wire tube, in case of the trouble from broken concealed wiring etc when drilling, please use safe glasses, when drilling or fixed line clip.
- * if the poduct update, manual may be different,Without Prior Notice.