

RFID Access Control System

User Manual

Please read the operation steps before installation

1. Introduction:

This series of RFID card access control is working with card only, password only, Card + password, or the password working in one single door controller. It used the chip is that is up to industrial grade single chip. With high stability, large capacity, full function, and reaction fast and simple operation. It is best for used on company office ,factory, houses, residential quarters, offices, mechanical and electrical control equipment and so on.

2. Functions

- 1, Storage 2000 card (ID / IC optional)
- 2, Can be continuous-read and enroll card, and automatically default the card number and card password
- 3, With these 2 functions: swipe card for open the door or swipe card for closed the door
- 4, The signal for open the door is output by relay control directly (NO / NC optional)
- 5, Three models for open the door:Card or PIN, Card +PIN, password.

3. Technical Features

NO	Item	Specification
1	Power supply	DC: Voltage $12 \pm 10\%$; current $< 0.1A$
2	Max Output	Electro lock output: 2A
3	Ambient temp	$-10^{\circ}C - 70^{\circ}C$
4	RH	20%—90%
5	Capacity	2000 user card and 1 password
6	Reading distance	5—15cm
7	Card type	Proximity or Mifare card

4. Status Indication

Description	Red LED	Green LED	Buzzer
Normal Mode	ON		
Program Mode		Flash	
Under Program mode		ON	
Swipe Non registered Card	ON		Di(long)
Swipe Card Only		ON, the door is open at the same time	Di Di (short)
Card and Password Mode(after swipe card, pending for password entry)	Red and Green LED blink interactively		
Card and Password Mode	Flash red LCD each 0.5 second		

Password Only Mode	Flash red LCD each 1 second		
Keypad			Di (short)
Setup Successfully			Di Di (short)
Setup Failure			Di (long)
Invalid Input			Di (long)
Alarm			Di Di Di Continuously

5. Programming Guide

(1)How to get into Program Mode

Press # # # # RedLED OFF, Green LED ON .Then press 123456#,
If successfully ,RedLED OFF and Green LED On ,or RedLED ON
And Green LED OFF means you are fail .Try again (Provided that you
didn't change your default Program password .Default value is 123456

(2)How to change your Program password

Press 0 +“new password” #“new password” #(new password must
be in six digits format ,please beware that you must be in program mode
before you take this step)

(3)How to add card continuously with automatically card number assignment

Press “1” and swipe card(swipe card continuously...apply to unregistered card only),after swipe
card ,press # .

The controller will assign each registered card with individual card
Number and password (default password is 888888,Card+pin just applied to Card +
Password mode).You can change this password following the changing step .

If this is a new installed controller ,the card number will be started at
0001,0002 and so on. If this controller have registered cards, the card
Number will be started after the last registered card's number.

If this is a registered card ,controller will Di(long)for warning and swipe next new card.

(4)How to add single card with card number (Can be multi-cards operation as well)

Press 2(swipe card...apply to unregistered card only) XXXX“card number”
#(repeat this step until the last card)#

If this is a registered card, controller will DI(long)for warning, you still
can continue your operation by swiping an other new card.

If this is a registered card number, controller will Di(long)for warning,
you still can continue your operation by entering another card number.

(5)How to delete card

Press 30 (swipe card)# Means this swipe card is for deleted (Apply to multi-card delete
operation)

Press 31(input card number)# # Means this card is deleted (Apply to multi-card number delete
operation)

Press 32 9999 # Means all registered cards are deleted

(6)How to set access mode

Press 40 # Means this controller is in Card Or Password mode(Default value)

Press 41 # Means this controller is in Card And Password mode

Press 42 # Means this controller is in Password mode

(7)How to set door access duration

Press 5 and input 03 # Means the access duration is 3 seconds

If you set its max value into 99, it will change to Card Open and Card Close operation.

(8)How to set access password (default access password is empty, it is not activated yet)

Press 6 (new password) # (new password) # ,then it is ok. But it must be in 6 digits format

Press 6 # # Password will be deactivated

(9)If you want to exit Program mode, pls press * to exit e the program mode)

(10)How to change card password (It apply to Card And Password mode only)

Press * (Green LED ON)(swipe registered card)(input old password)(Red and Green LED flashed alternatively)(input new password)#(input new password again)#

If Green LED OFF, Di Di(short),it means changing this card's password successfully.

If Di(long), it means you fail to complete this operation. Please try again.

(11)How to reset to the factory default value (only reset password and system parameters, card won't be deleted)

Cut off the power, put the JP4 jumper in 1-2 position and turn on the devices.

After DI DI(short),put the JP4 jumper in 2-3 position. Then restore factory setting successfully.

6. Instance operation

(1) How to change program password to 456789(form default password)

First enter the program mode by Press # # # # 123456 # (Green LED flashed)

Press 0 +456789 # 456789 #

Press * (exit the program mode),then your program password became into 456789.

(2) How to add new cards continuously

First enter the program mode by Press # # # # 123456 # (Green LED flashed)

Press 1 (swipe cards...until the last card) #

Press *(exit the program mode)

All added cards are ready to use.

(3) How to add two cards with card number 0011and 0022

First enter the program mode by Press # # # #123456#(Green LED flashed)

Press 2 (swipe card) 0011 # (swipe card) 0022 # #

Press * (exit the program mode)

(4) How to delete cards numbered 0011 and 0022

First enter the program mode by Press # # # # 123456 # (Green LED flashed)
 Press 31 0011 # 0022 # #
 Press * (exit the program mode)

(5) How to change access mode as Card Only mode

First enter the program mode by Press # # # # 123456 # (Green LED flashed)
 Press 40 #
 Press * (exit the program mode)

(6) How to set access password .For example password is 258369

First enter the program mode by Press # # # # 123456 # (Green LED flashed)
 Press 6 input 258369 # 258369 #
 Press * (exit the program mode)

(7) How to change the card password to 111222(should use with Card And Password mode)

Press * (Green LED ON) (swipe registered card) (888888) (Red and Green LED flashed alternatively) (111222) # (111222) #

If Green LED OFF, Di Di(short), it means changing this card's password successfully.

If Di(long), it means you fail to complete this operation. Please try again.

7. Wires Connection

J5 Main port output

Red	+ (9-12V)	
Black	GND	
Green	NC	Only relay signal output
White	COM	
Blue	NO	
Yellow	OPEN	Push/Exit Button, the others connect to GND
Gray	GND	

J6 External Reader Interface

Red	+ (9-12V)
Black	GND
Green	D0
White	D1
Blue	Lighting control and voice control lines

J2 Doorbell button

Purple	Doorbell button output, press the button to closure
Purple	