

RFID

Access Control System

User's Manual

Please read this manual thoroughly before installation.

1. Brief Product Introduction:

This product is RFID access control system, which is currently one of the advanced access systems. It uses the latest central process unit (CPU) and memory chip of large capacity. There will be of no information loss even in case of power failure. It takes the latest HOMMARD technology, with strong power of three ways to open door: open by card read, open by card read adding with password, and open by password.

The perfect security functions let the users feel much more safe, which include door state monitoring, alarm output, safety mode, anti dismantling, RFID card and password. While its functions of opening button, close notification, door bell, to be connected with NO. and NC. locks bring more operating easiness to the users.

This product provides access control mode, which is safe and fully automatic, it is an ideal device for business organizations, offices, factories, residences and communities.

2. Technical Features

No.	Item	Specification
1	Power supply	DC: Voltage $12V \pm 10\%$; current $< 0.1A$
2	Max load	Alarm output: 100mA Electrolock output: 5A
3	Dimension	116mm \times 116mm \times 20mm
4	Weight	180g
5	Ambient temp.	-20 $^{\circ}C$ —60 $^{\circ}C$
6	RH	20%—90%
7	Memory capacity	Information of 500 user card, and 500 passwords
8	Induction distance	5—15CM
9	Car type	EM or EM compatible card

三、 Status Indications:

LED Indicators

Status	Red LED	Green LED
Normal state	Flash	
Valid card		Light
Invalid card	Light	
Open		Light

Key Press	Light	
Program Mode	Light	Flash frequent
Set OK	Light	Light
Alarm	Flash	

Buzzer

Status	Description	Buzz
Valid card	Two short beeps	BiBi
Invalid card	Long beep once	Bi---
Key Press	Short beep once	Bi
Input valid password	Two short beeps	BiBi
Input wrong password	Long beep once	Bi---
Alarm state	Continuous long beeps	Bi-Bi-Bi-

4. Setup:

- Default value: Login password ,User password
- Enter programming mode:
Press enter programming mode.
- Function setup (should be in programming mode):
 - Modify login password.
Press
Note: the new password should be any 4-8 figures.
 - Add user card.
Press
Note: the code should be three figures from 001 to 500, which should not duplicate. The code must be input, otherwise the card will be invalid. If add more than one cards, read the second card directly after the first three-digit code is put in before pressing .
 - Delete user card (three ways):
 - Press to delete all user cards.
 - Press to delete the corresponding card

C. Press to delete lost card.

4) Set open mode:

Press by valid card only.

Press by valid card and password.

Press by valid card or password.

Note: factory setting is valid card.

Since the initial password can not be used to open door, **If set to valid card or password mode, password for use should be modified.**

5). Set the length of open time:

Press .

Note: XX is from 00-99, unit is second, factory setting is 6 seconds.

6). Set the length of alarm time:

Press .

Note: XX is from 00-99, unit is minute, factory setting is 3 minutes.

7) Set door state monitoring mode:

Press to disable this function.

Press to enable this function.

Note: **to enable door state monitoring, reed switches must be installed,** when this function is enabled, the following two functions can also be enabled at the same time:

- A. If the user put in the correct password to open the door, then forget to close the door, the buzzer will give audible sound to note the user.
- B. If the door is opened illegally, the system will activate alarm signal output, at the same time, buzzer emits sound alarm.

8). Set safety mode:

Press to disable this function.

Press to read 10 invalid cards or valid cards, then enter 4 wrong passwords successively, the system is locked for 10 minutes.

Press to read 10 invalid cards or valid cards, then enter 4 wrong passwords successively, the system activates alarm signal output.

Note: factory setting this function is disabled.

9) Save the settings and exit programming mode:

Press ***** .

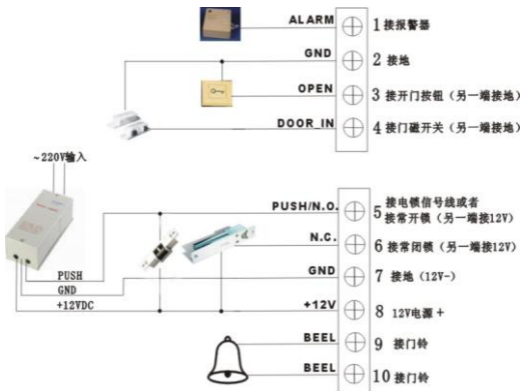
Note: ***** should be pressed within 1 minute to save the setting when any of the above operation is completed.

4. **Modify user password (no need in programming mode):** after pressing ***** to read user card, the green LED flashes, input user password then press **#** to enter password modifying mode. Now input new password of 4 figures, press **#** and input the new password again, press **#** to save the setting.

5. How to use:

- 1). In normal work mode, can be open by one valid card.
- 2). When valid card and password mode, can be open if the correct password is put in within 10 seconds after card swiping.
- 3). If the password of a card is forgotten, the information of this card in the system should be deleted first, then add this card to the system again to modify the password.
- 4). If program password is forgotten, you can use jumper switch "RESET" at the main board to restore factory setting. First, power off. Then set jumper switch to "ON" position. Power on. Shift the jumper switch back to "OFF" position after three beeps of the buzzer, now the factory setting is restored.

Attachment: wiring diagram for installation



NOTE: 1. Power off before installation wiring, hot line work is forbidden!!

2. Normally, electrolock is connected out from power controller.