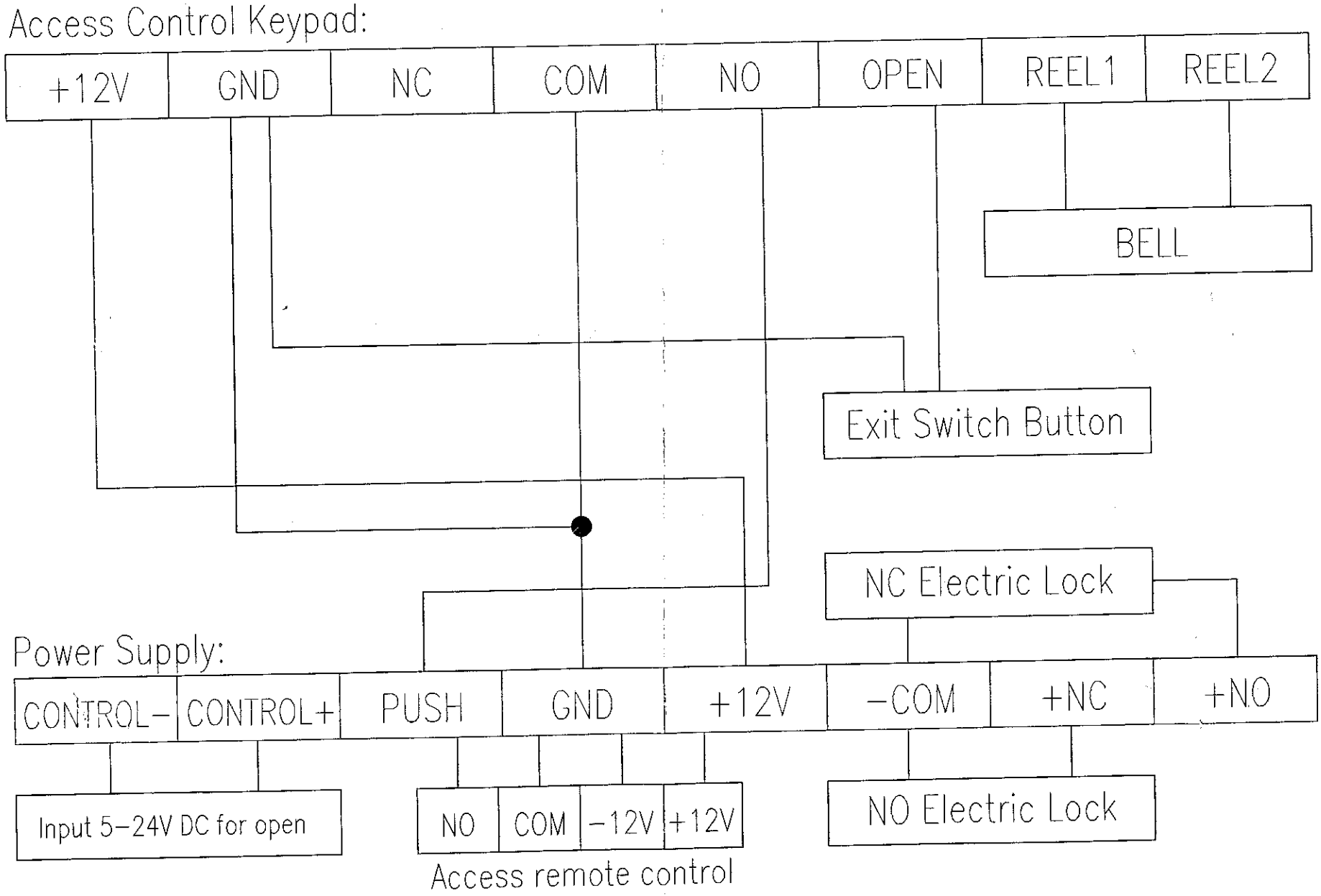
Wiring diagram of the access control system



Instructions For Magnetic Locking Devices

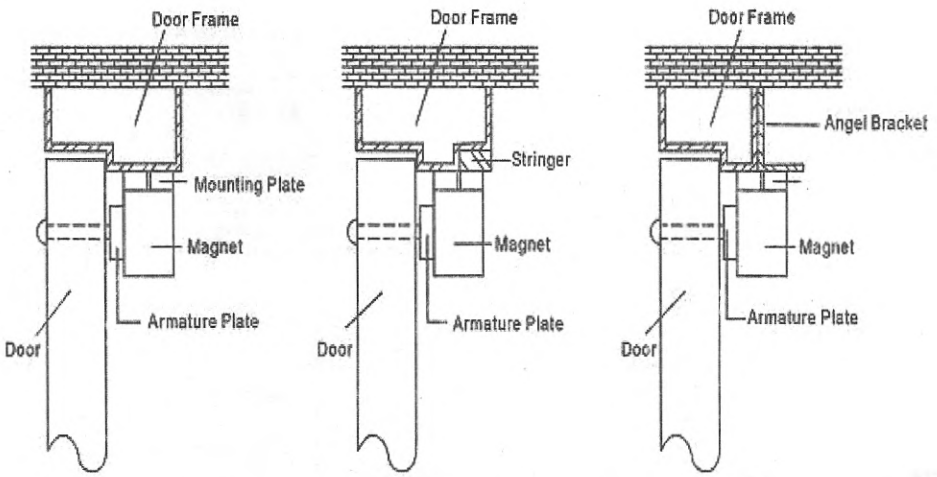
☆Technical Parameters:

A. Holding power: 230KGS、280KGS、380KGS、500KGS
B. Working Voltage: 12VDC
C. Working Current: 320mA
D. Safety mode: Power-on to lock, Power-off to open.
E. Typical Installation：Flushing（A）、Hanging（G）Opening (X)、For Feedback (F)
F. Append：LED (D)、Time Delay

☆Installtion chart

Hanging Type Electromagnetic Lock
Electromagnetic Lock fitting for all kinds of doors.

☆ Typical Installation：



STEP 1

A. Fold template along dotted line.
B. Place template against door and head frame.
C. Drill holes as indicated on temple.

STEP 2

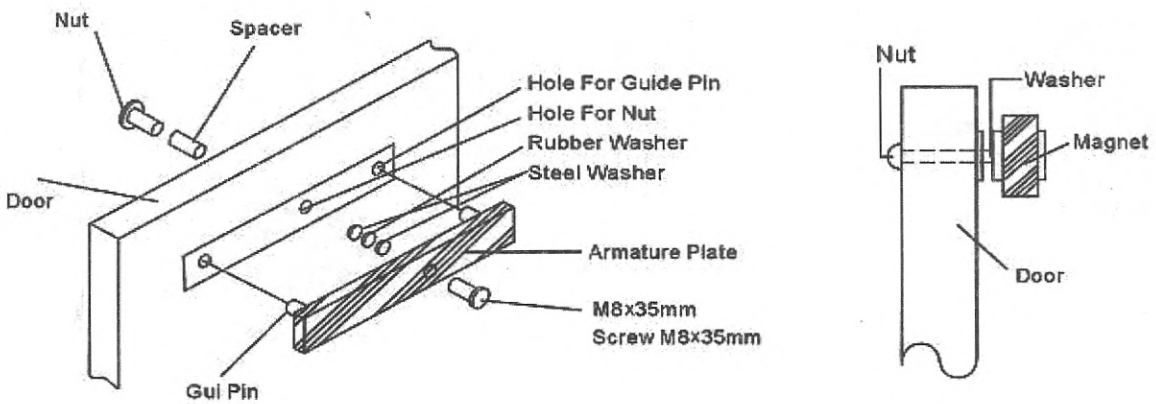
A. Mount the armature palte to door using 1 rubber washer sandwiched between 2 steel washer(the rubber washer and 2 steel washer are installed on the through sexnut between the armature plate and door).

STEP 3

A. Install the mounting plate with 2 flat head screws(the 2 M5X5 flat head screws are installed in the solotted holes for adjustment).
B. Adjust mounting plate so that it forms right angle with the armature plate.
C. Using the mounting plate as a temple,drill the wire hole.
D. Drill and remaining mounting screws.

STEP 4

A. Instal magnet to mounting plate with 2 M4 screws supplied.



STEP 5

A. Test all functions of this model(see wiring instruction).

☆ Armature Plate Mounts To The Door:

Important: Fix the armature plate not too tightly,and make the rubber washer more flexible,in order to make the armature palte automatically adjust its proper position with magnet.

☆12VDC Input:

A. Required power 0.5Amp（Maximum）.

B. Connect the ground (-) lead from a 12VDC power source to line Black.

C. Connect the positive (+) lead from a 12VDC power source to line Red.

D. Check jumper for 12VDC peration.

☆24VDC Input（Just for 500GF、230GF）:

A. equired power 0.5Amp（Maximum）.

B. Connect the ground (-) lead from a 24VDC power source to line Black.

C...Connect the positive (+) lead from a 24VDC power source to line Red.

D. Check jumper for 12VDC peration.

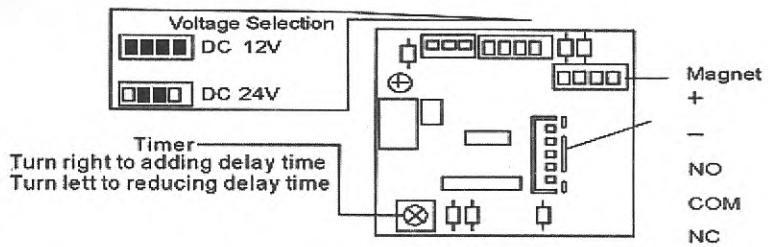
☆Contacts:

A. Relay dry contacts are rated lamp at 24VDC for safe operation do not exceed this rating.

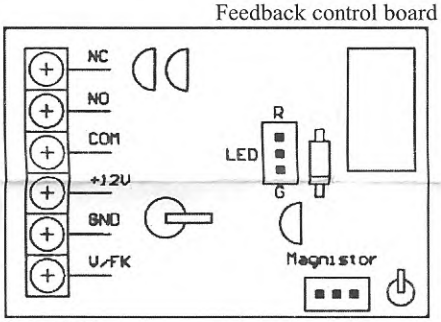
B. If you require a normally open switch connect the wires from the system to line Yellow and line Orange.If you require a normally closed switch connect the wires from the system to line Yellow and line Green.

☆Printed Circuit Board Schematic:

500GF Hanging Type Electromagnetic Lock control board



Feedback control board



NC: Normally closed

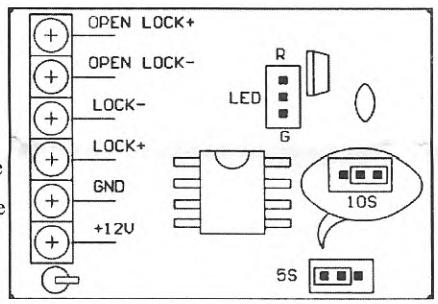
NO: Normally open

COM: Common

+12V: Power positive

GND: Power negative

Time delay control board



OPEN LOCK+: Input positive

OPEN LOCK-: Input negative

LOCK-: Drive negative

LOCK+: Drive positive

GND: Power negative

+12V: Power positive

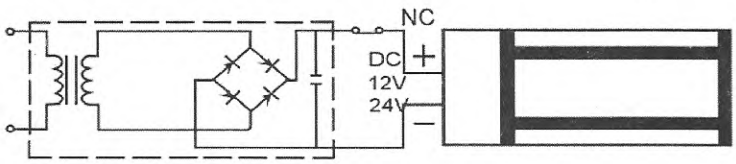
* Important:

A. The product should only be passed power supply.

B. If power switch is not wired between DC source voltage and magnet it will take time to de-eneraize the magnet simulating residual magnetism(see below).

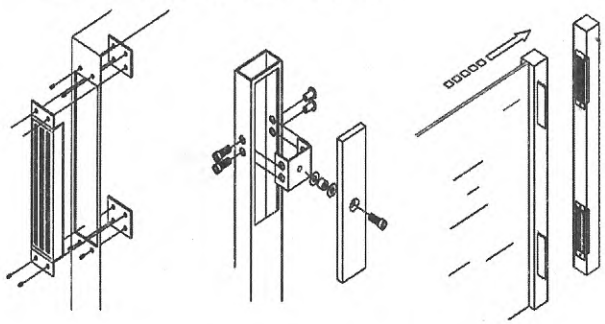
C. Please make sure your jumper pin corrent or not.

AC 110V/220V



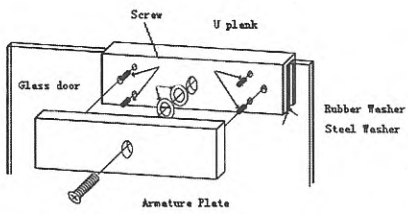
☆ Other installtion

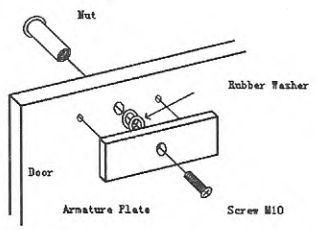
Install Flush Bondying Type Electromagnetic Lock

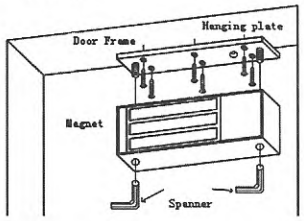


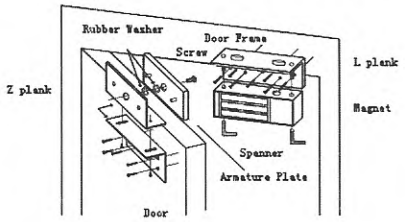
Install Magnet

Install Armature Plate









RFID Proximity Access Control keypad

Instructions for User

New enhanced functions (provide the setting of special authorization cards for management and the automatic registration of user cards)

Ⅰ. Product Overview

This RFID proximity access controller using proximity card is one of the modern access control systems. The state-of-the-art CPU and integrated circuit techniques are applied to keep all the data from loss due to power failure. It is powerful and can open the door using proximity cards, passwords, or the hybrid.

The access controller can provide users with more convenience by connecting to terminals, including the button for opening the door, doorbell, and electric lock that is normally open or closed.

This product offers a method for controlling access safely and automatically, qualifying it as an ideal equipment for businesses, offices, factories, and communities.

Ⅱ. Technical Specifications

Number	Items	Specifications
1	Power Supply	DC : voltage 12V±10% Current < 0.1A
3	Dimension	116mm×116mm×20mm
4	Weight	130g
5	Ambient temperature	0℃—60℃
6	Relative humidity	20%—80%
7	Memory capacity	500 user cards or 50 door opening passwords
8	Working distance	5－15CM
9	Card Type	EM or EM compatible cards

Ⅲ. Working Status

Events	Red light	Green light
Normal status	Flash	Off
Use valid card	Flash	On
Enter the mode for	Stop	Off
Type the valid password	Flash	On
Mis-operation	Flash and buzz continuously	

Ⅳ. Button Settings and Usage

1. The initial password for management is set to 990101

2. Change the management password: press [*] [Management password] [#] [88] [#] [Six-digit new password] [#] [Repeat the six-digit new password] [#]

3. Enter the mode for programming

Press [*] [Management password] [#] to enter the mode for programming

Press [*] [*] to exit the programming mode. (Note: follow this step after setting of any functions.)

4. Setting of the authorization card

(1) The authorization card cannot be used for unlocking. It is only designed to add or delete user cards. Two kinds of authorization cards can be set up: one for adding user cards, and the other for deleting user cards.

Set up the authorization card for adding user cards:

Press [*] [Management password] [#] [14] [#] Swipe the empty card [#]

Set up the authorization card for deleting user cards:

Press [*] [Management password] [#] [24] [#] Swipe the empty card [#]

Add or delete users using the authorization card: when the controller is in the standby state, swipe the authorization card, the user card and the authorization card, sequentially.

(2) Add a batch of user cards

Press [*] [Management password] [#] [15] [#] Swipe the empty cards sequentially [#]

Note: The system will exit the mode for programming if 10 seconds last without any operation when swiping the cards.

(3) Number the user cards

The user card can be deleted through its serial number if it is lost.

Press [*] [Management password] [#] [12] [#] [Swipe the card] [random 3-digit number] [#]

Note: The 3-digit number must be in the range -0-500 and cannot be repeated.

(4) Set the password for opening the door

Press [*] [Management password] [#] [13] [#] [Enter the password with 4-8 digits] [#]

(5) Set the user card + the password

Press [*] [Management password] [#] [11] [#] [Swipe the card Enter] [the password with 4-8 digits] [#]

5. Deleting of user cards

(1) Delete user cards by swiping the card

Press [*] [Management password] [#] [17] [#] [Swipe the card] [#]

(2) Delete user cards via the serial number

Press [*] [Management password] [#] [19] [#] [3-digit number] [#]

(3) Delete one single password for opening the door

Press [*] [Management password] [#] [22] [#] [Door open password] [#]

(4) Delete all passwords for opening the door

Press [*] [Management password] [#] [23] [#]

Note: all passwords for opening the door will be deleted.

6. Restore factory settings

(1) Press [*] [Management password] [#] [86] [#]. All factory settings will be restored and all data will be deleted after the instruction is input (the management password 990101 is restored).

(2) Restore the original management password without deleting user data:

Press [RESET] + [#] at the back to restore the management password to the original 990101

(3) Restore the factory setting when the management password is forgotten

Press [RESET] for five times + [#] once to delete all data and restore the management password to the original 990101.

(4) Change the delay in opening the door

Press [*] [Management password] [#] [25] [#] [Enter the 3-digit] [delay] [in opening the door] [#]

It is 3 seconds by default and 255 seconds at a maximum.

7. Activation of the Product's Special Functions

(1) Enable the door to be opened by any card

Press [*] [Management password] [#] [83] [#]

Note: The door can be opened by all card after this function is activated, whether or not the card is registered. Please disable the function after it is activated.

(2) Enable any card to be registered automatically

Press [*] [Management password] [#] [84] [#]

Note: Any card can open the door and is registered automatically after this function is activated. The card can operate as a valid user card after this function is disabled.

(3) Disable the function of automatic registration

Press [*] [Management password] [#] [85] [#]

V. Wiring Diagram

1、+12V : Anode of the power supply
2、GND : Cathode of the power supply
3、NO: Normally open point of the relay
4、COM : Common point of the relay
5、NC : Normally closed point of the relay
6、OPEN: Switch button for going out
7、BELL : Switch that can connect with the door bell

Wiring diagram of the access control system