

Product Specification

Model: C280

**Model Name: Single Door Magnetic Lock with Signal & LED
(600Lbs)**

1. PRODUCT USE

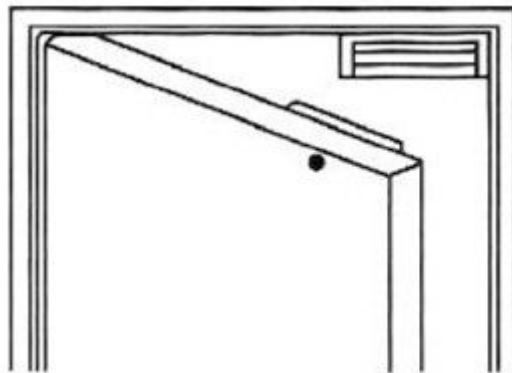
Single Door Magnetic Lock with Signal & LED (600Lbs) can be widely used in bank, hotel, office building, residential, club and school and so on security system.



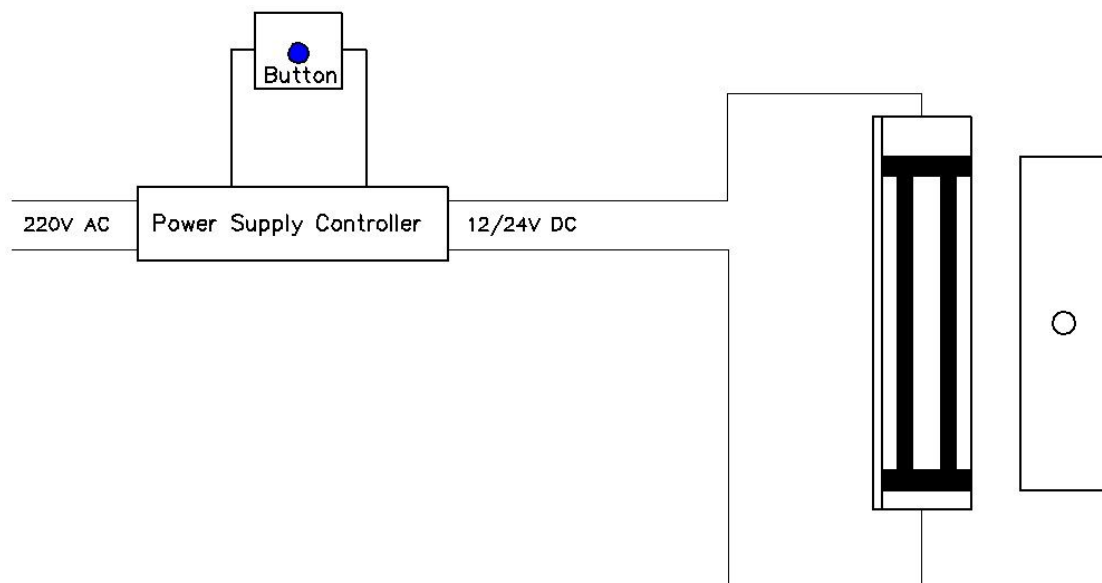
2. WORKING PRINCIPLE

The working principle of magnetic lock based on the principle of electron magnet. When the electric current goes through the silicon steel sheets, the magnetic lock will produce strong magnetic force to suck the adsorption plate , so that the door can be locked.

As long as the little electric current goes through the magnetic lock will produce a strong magnetic. After the electromagnetic lock controlling power access system identify correctly , the power will be off, and the lock will lose the magnetic to open the door.



Schematic Circuit

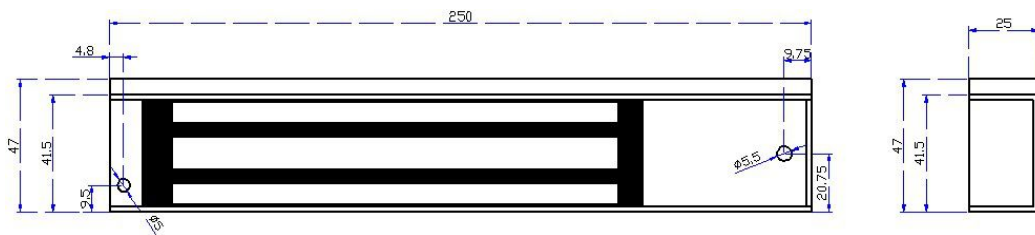


3. PRODUCT PATAMETERS

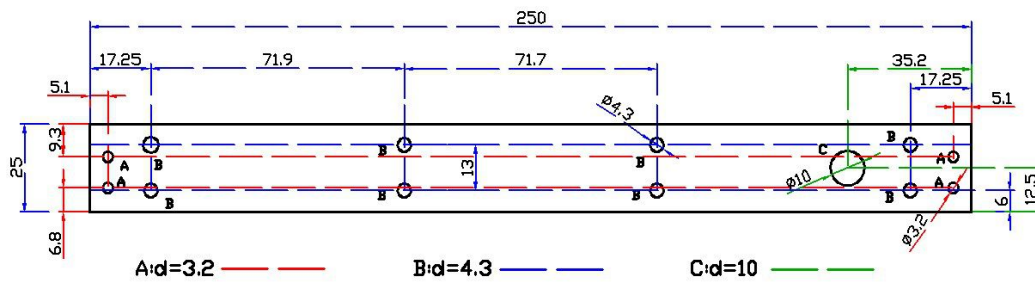
Dimension(mm)

Lock Body 250L×47W×25H (± 0.5)

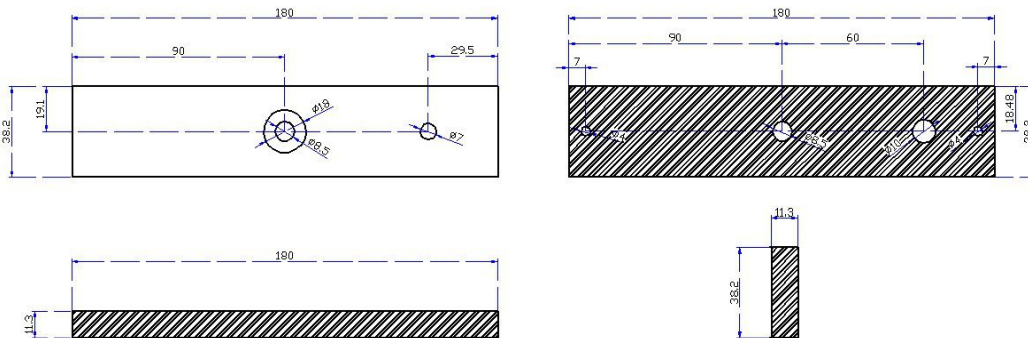
Front Side and Right Side



Top side



Adsorption Plate 180L×38.2W×11.3H (± 0.5)

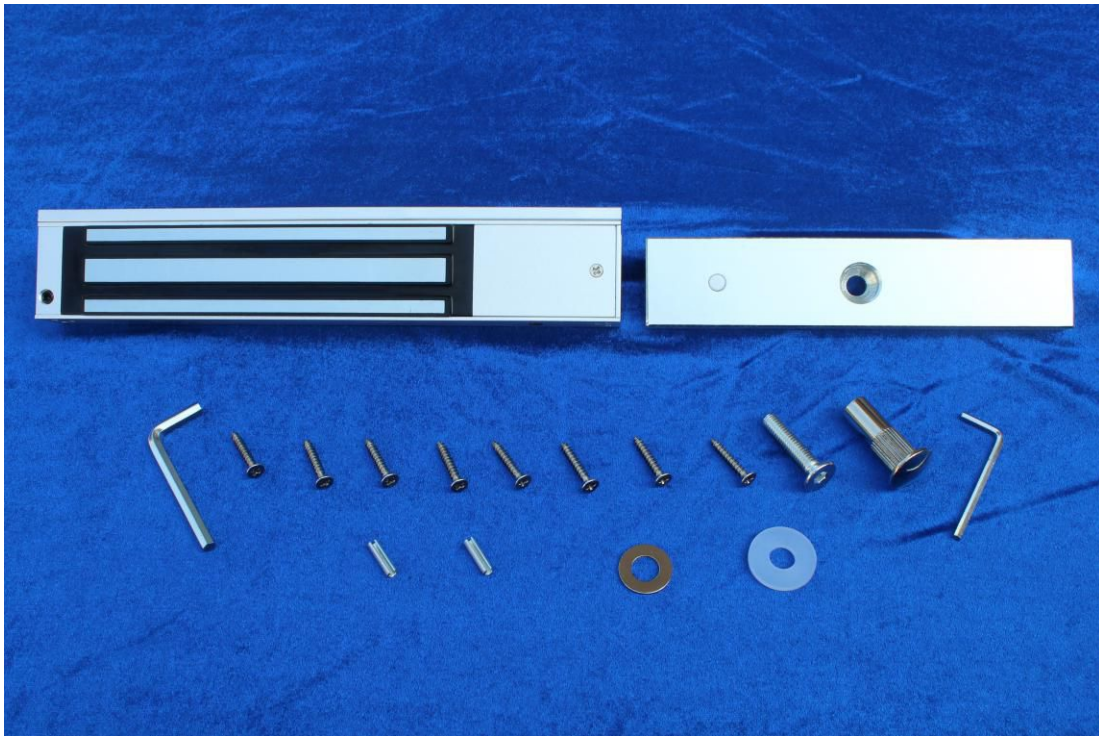


Weight	Lock 1.20kg (± 0.05)
	Adsorption plate 0.58kg (± 0.05)
	Components 0.07kg (± 0.005)
Holding Force	280kg (600Lbs)
Current Draw	460mA at 12VDC, 230mA at 24VDC ($\pm 10\%$)
Suitable for	Wooden Door, Glass Door, Metal Door, Fireproof Door
Signal Output	NO NC COM
LED	Size 3mm or 5mm
	Color Red (Door Open) Green (Door Close)
Material	Lock Iron Alloy, Aluminum Alloy, Epoxy, Silicon Steel Sheets, Enameled wire, Electronic component
	Adsorption Plate Iron Alloy
Suitable temperature	-10~+55°C
For humidity	0~95%(Relative humidity)
Color	Silver
Surface preparation	Grit blasting or Wire-drawing
Feature	Fail safe

Components

Allen key, Tapping screw,
Flat - head inner hexagon screw, Positioning pin,
Cotter pin, Iron gasket, Plastic gasket

Picture



4. ATTENTION MATTERS FOR USE

Cleaning and avoiding water

Lock body and suction plate surface should be kept clean. Never ever use corrosive cleansers to spray or rub the surface. The lock inside cannot be penetrated with water (water-proof locks are for special order).

To equip power adapter

To equip power adapter, we suggest that a lock be equipped with one adapter. Wiring and adapter distribution type must be strictly required. The adapter cannot be left far from the lock, and please ensure the input terminal voltage of the lock remains at a normal 12V DC and 24V DC. We don't recommend several locks work with one adapter, because when the adapter is damaged or when one lock is short-circuited, all the other locks are being affected.

5. PACKAGE

Outer packing

Size	265L×65W×60H(mm)(± 0.5)
Set Net Weight	1.84kg (± 0.05)
Set Gross Weight	1.93kg (± 0.05)
Picture	Natural package (Kraft)



Carton

Size	280L×265W×200H(mm)(± 0.5)
Q'ty/CTN	12
Net Weight	22.00kg (± 0.5)
Gross Weight	23.20kg (± 0.5)
Picture	Natural package (Kraft)



6. ANNEX

Annex 1 Magnetic Lock Operating Instruction

Operating Instructions

English

Magnetic Lock Operating Instructions

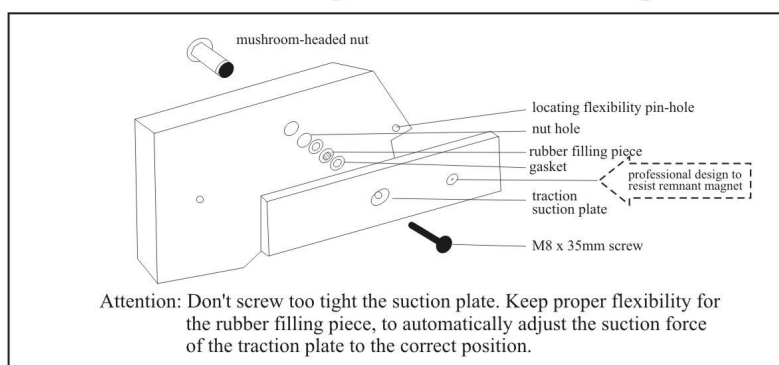


Dear Customers, please read these instructions carefully before use to avoid any possible usage problems in the future.

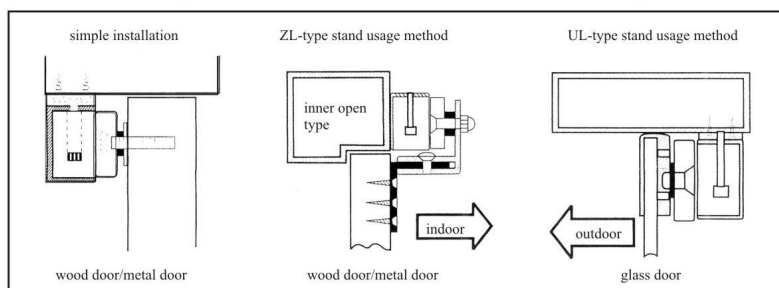
I.Attention Matters for the installation of the magnetic lock:

- 1.The magnetic lock is to be fixed firmly onto the door frame, with the suction plate fixed to the door. The suction plate cannot be nailed fast and welded joint on the door. Please use the gaskets and rubber rings in the package bag to install. After completion, the suction plate must be able to move up, down, left or right in a slightly free way.
- 2.When drilling a hole, take notice to see if the suction plate and the lock body can be deviated from its installing position. The surface of the lock body and that of the suction plate must dovetail together. The paper pattern for installation is used when the door is closed under the normal condition.
- 3.Lock body and suction plate surface should be kept clean. Never ever use corrosive cleansers to spray or rub the surface. The lock inside cannot be penetrated with water (water-proof locks are for special order).
- 4.To equip power adaptor, we suggest that a lock be equipped with one adaptor. Wiring and adaptor distribution type must be strictly required. The adaptor cannot be left far from the lock, and please ensure the input terminal voltage of the lock remains at a normal 12V DC and 24V DC. We don't recommend several locks go with one adaptor, because when the adaptor is damaged or when one lock is short-circuited, the other locks are being affected all together.
- 5.All engineering contractors, please pay attention to the above-mentioned matters, failing which may affect the functions of the lock and the losing of the suction. Thank you!

Installation diagram of traction suction plate



Magnetic lock standard installation diagram



II. Magnetic lock wiring methods:

A. 12V DC input wiring connections:

Connect 12V DC positive pole (red wire) to the V+ terminal of the binding post. Connect 12V DC negative pole (black wire) to the V- terminal of the binding post.. Check that the selection line of the voltage is on the position of 12V DC. (as shown in picture)

B. 24V DC input wiring connections:

Connect 24V DC positive pole (red wire) to the V+ terminal of the binding post. Connect 24V DC negative pole (black wire) to the V- terminal of the binding post.. Check that the selection line of the voltage is on the position of 24V DC. (as shown in picture)

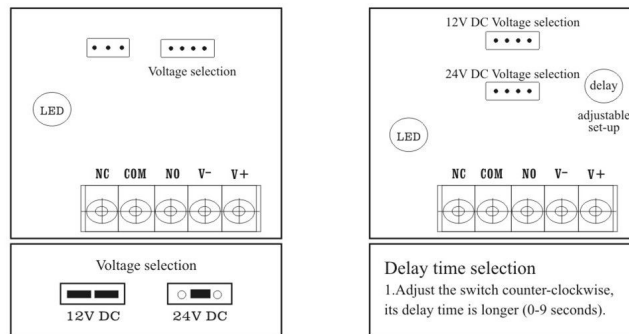
C. Wiring connections for detecting door condition:

The inflow rate of the contact point of the relay is 1 amp when the input voltage is 24V DC. Remember not to overload.

If you need a NO, when often turning on switch signal, please connect the wire to the ends of COM and NO. (as shown in picture)

If you need a NC, when often turning off switch signal, please connect the wire to the ends of COM and NC. (as shown in picture)

III. Circuit board Diagram:



IV. Magnetic lock series power consumption:

Electric current	60 series	180 series	280 series	380 series	600 series
12V DC	100mA	300mA	460mA	480mA	600mA
24V DC	—	150mA	230mA	240mA	300mA

V. After-sales services for magnetic lock:


1. Within the warranty period from the purchase date, our company will provide free repair service for the product when it comes to non-humanly made inner errors. For those damages due to improper use, or those occurring beyond the warranty, our company will provide repair service, but will charge a certain repair fee.
2. Our company are exempt from the warranty under the conditions that you dismantle on your own the lock body, and tear up the ticket of the ex-factory date, or there is water dripping inside the lock's circuit board, which are not to our company's consent.

PROFESSIONAL GOOD-QUALITY ELECTRIC LOCK MANUFACTURER, WITH STURDY AND DURABLE PRODUCTS, AND TWO-YEAR GUARANTEE OF FIRMNESS FOR FULL-SERIES OF OUR PRODUCTS.

Annex 2 Installation of Magnetic Lock

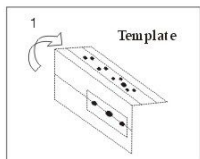
English

Installation of Magnetic Lock



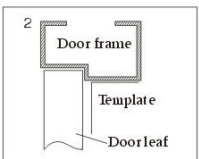
Steps →

1



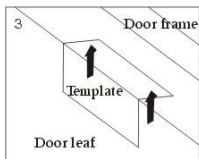
Flod the template to 90°

2



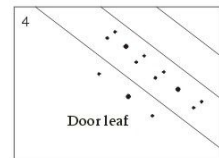
Close the door, place the template on door frame, close to door leaf.

3



Mark screw positions on door leaf and door frame.

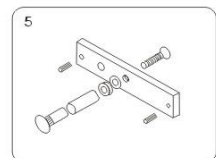
4



Drill holes on the marked positions

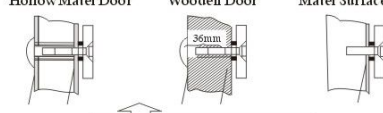
Steps →

5



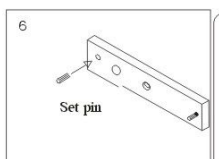
Install the Armature Plate on door leaf

Hollow Metal Door Wooden Door Metal Surface Door



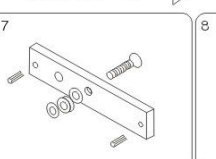
Follow the instructions come with the lock

6



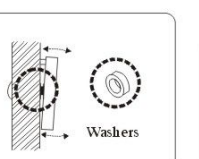
Put the pin into the Armature

7




According to the picture add the washers on the Armature.

8



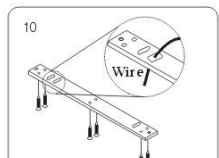
Place Washers between Armature Plate and Door Leaf

9



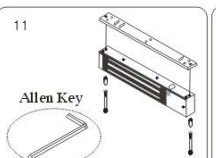
Use Allen Key to remove the Mounting Plate from lock body

10



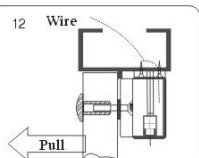
Wire go through the wire hole, then screw the mounting plate on top of the door frame

11



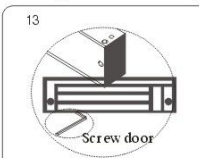
Use Allen Key to screw the lock body on the mounting plate

12



Close and pull the door to test holding force. Extra washers can be added to adjust angle between door leaf and Armature plate.

13

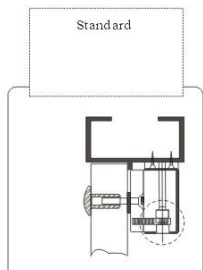


Confirm the holding force and tighten the proof screws.

Installation of Brackets

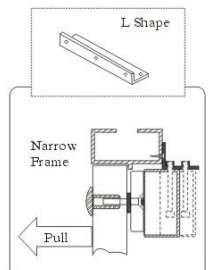
Different Brackets can be use on different type and swing direction of door leaf.

Standard



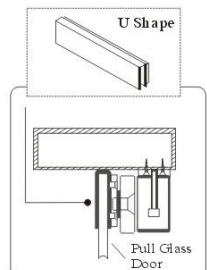
(No Bracket)

L Shape



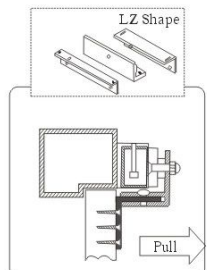
Narrow door frame (Swing Out)

U Shape



Pull Glass Door Leaf (Swing Out)

LZ Shape



Swing In Installation

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