

# Instructions For Magnetic Locking Devices

☆ Technical Parameters:

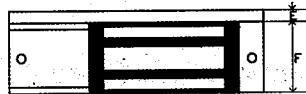
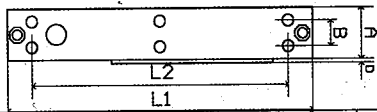
- A. Holding power: 230KGS、280KGS、380KGS、500KGS
- C. Working Current: 320mA
- E. Typical Installation: Flushing (A)、Hanging (G)

- B. Working Voltage: 12VDC
- D. Safety mode: Power-on to lock, Power-off to open.
- F. Append: LED (D)、Time Delay Opening (X)、For Feedback (F)

☆ Installtion chart

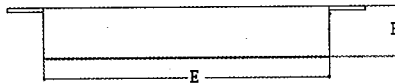
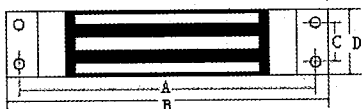
Hanging Type Electromagnetic Lock

Electromagnetic Lock fitting for all kinds of doors.



Model	L1	L2	A	B	D	E	F
230GF/X	250	220	25.4	14	1.6	6.3	42
280GF/X	240	210	27	16.5	2.3	6	50.5
380GF/X	250	220	34.4	20	1.4	6	56
500GF/X	-	-	-	-	-	6	67

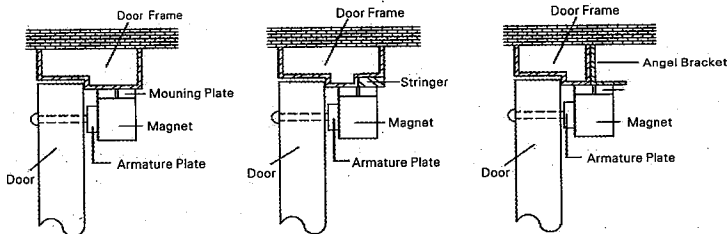
Flush Bonding Type



All kinds of Flush Bonding Type Electromagnetic Lock

Model	A	B	C	D	E	F
230AA	18	38.3	207.8	227.8	187.8	25.9
230A	25	42	238	257.6	202	26.9
280A	35	50.5	232	252	196.5	29.3
380A	35	56	244	264	208.5	35.8

☆ 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.

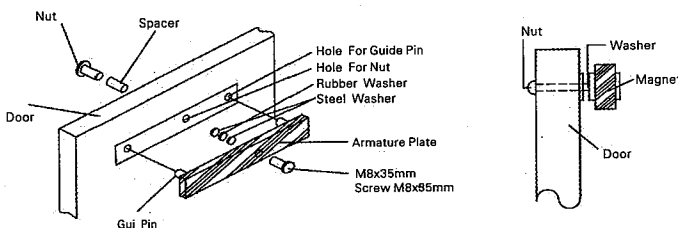
STEP 4

- 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 plate 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 operation.

☆24VDC Input (Just for 500GF, 230GF):

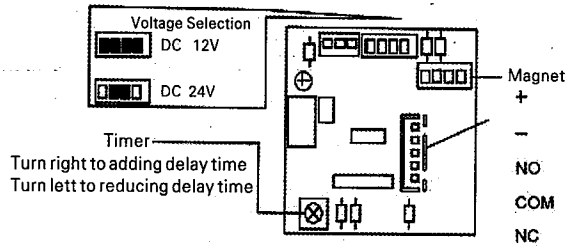
- A. Required power 0.5Amp (Maximum).
- B. Connect the ground (-) lead from a 24VDC power source to line Black.
- C. Connect the positive (+) lead from a 24VDC power source to line Red.
- D. Check jumper for 24VDC operation.

☆Contacts:

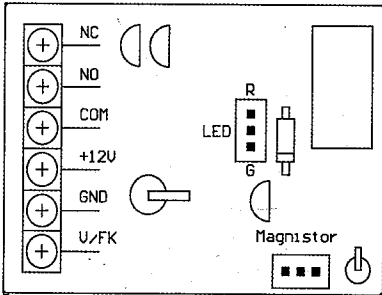
- A. Relay dry contacts are rated lamp at 24VDC for safe operation do not exceed this rating.
- B. If you require a normally open switch connect the wires from the system to line Yellow and line Orange. If you require a normally closed switch connect the wires from the system to line Yellow and line Green.

☆Printed Circuit Board Schematic:

500GF Hanging Type Electromagnetic Lock control board

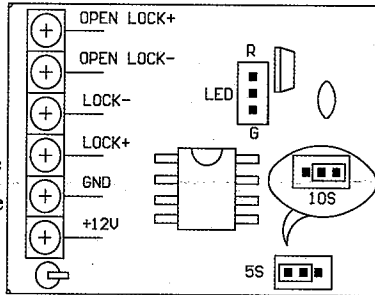


Feedback control board



NC: Normally closed  
 NO: Normally open  
 COM: Common  
 +12V: Power positive  
 GND: Power negative

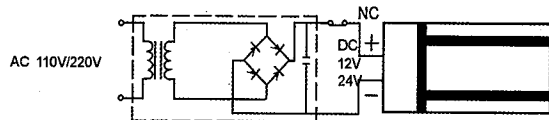
Time delay control board



OPEN LOCK+: Input positive  
 OPEN LOCK-: Input negative  
 LOCK-: Drive negative  
 LOCK+: Drive positive  
 GND: Power negative  
 +12V: Power positive

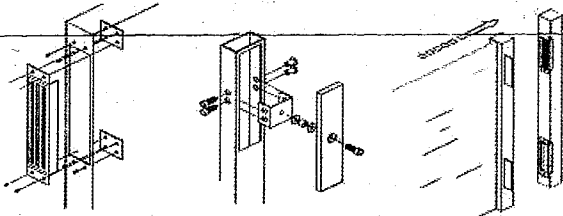
☆ Important:

- 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-energize the magnet simulating residual magnetism (see below).
- C. Please make sure your jumper pin correct or not.



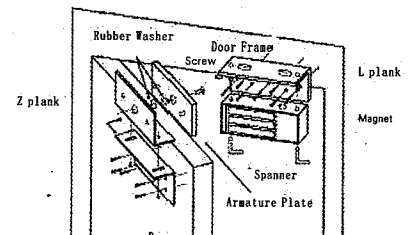
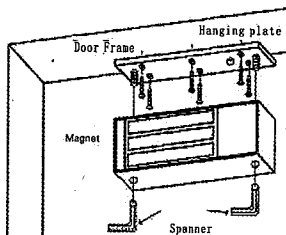
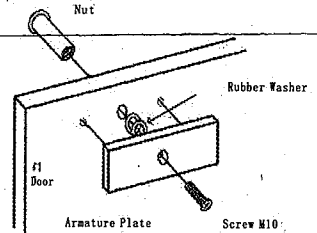
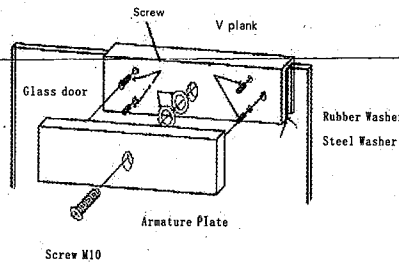
☆ Other installation

Install Flush Bonding Type Electromagnetic Lock



Install Magnet

Install Armature Plate



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