

Instructions For Magnetic Locking Devices

EAC

☆ Technical Parameters:

A. Holding power: 230KGS, 280KGS, 380KGS, 500KGS

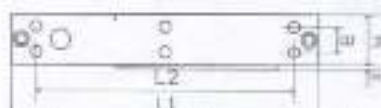
C. Working Current: 320mA

E. Typical Installation: Flushing (A), Hanging (G)

☆ Installation chart

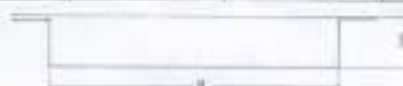
Hanging Type Electromagnetic Lock

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	60.5
380GF/X	250	220	34.4	20	1.4	6	56
500GF/X	-	-	-	-	-	6	87

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	182.8	35.9
230A	25	42	238	257.6	202	36.9
280A	35	60.5	232	252	196.5	29.3
380A	35	56	244	264	208.5	35.8

☆ Typical Installation:

STEP 1

- Fold template along dotted line.
- Place template against door and head frame.
- Drill holes as indicated on template.

STEP 2

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

STEP 3

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

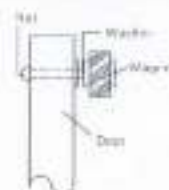
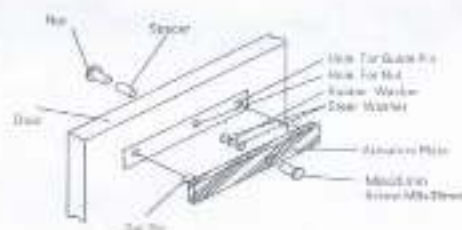
STEP 4

- Install magnet to mounting plate with 2 M4 screws supplied.

STEP 5

- 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:

- Required power 0.5Amp (Maximum).
- Connect the positive (+) lead from a 12VDC power source to line Red.

- Connect the ground (-) lead from a 12VDC power source to line Black.
- Check jumper for 12VDC operation.

☆ 24VDC Input (Just for 500GF, 250GF):

- Required power 0.5Amp (Maximum).
- Connect the positive (+) lead from a 24VDC power source to line Red.

- Connect the ground (-) lead from a 24VDC power source to line Black.
- Check jumper for 12VDC operation.

☆ Contacts:

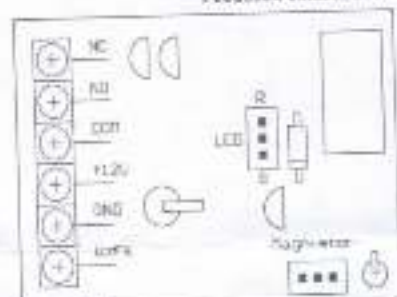
- Relay dry contacts are rated lamp at 24VDC for safe operation do not exceed this rating.
- If you require a normally open switch connect the wires from the system to line Yellow and line Orange. If you require a normally closed switch connect the wires from the system to line Yellow and line Green.

☆ Printed Circuit Board Schematic:

500GF Hanging Type Electromagnetic Lock control board

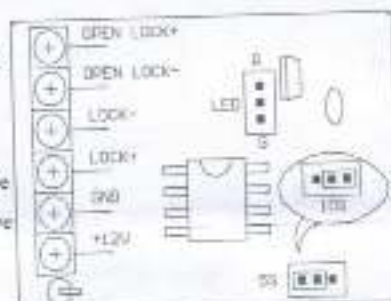


Feedback control board



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

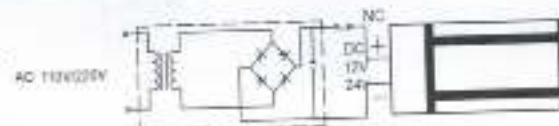
Time delay control board



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

☆ Important:

- The product should only be passed power supply.
- 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).
- Please make sure your jumper pin current or not.



☆ Other installation

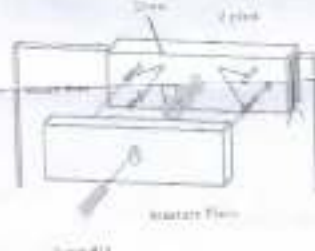
Install Lock Body on Thin Electromagnetic Lock



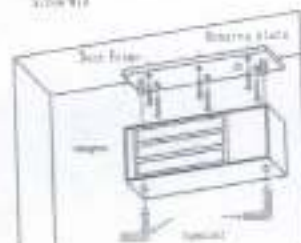
Install Magnet



Install Armature Plate



Lock Body



Armature Plate

