

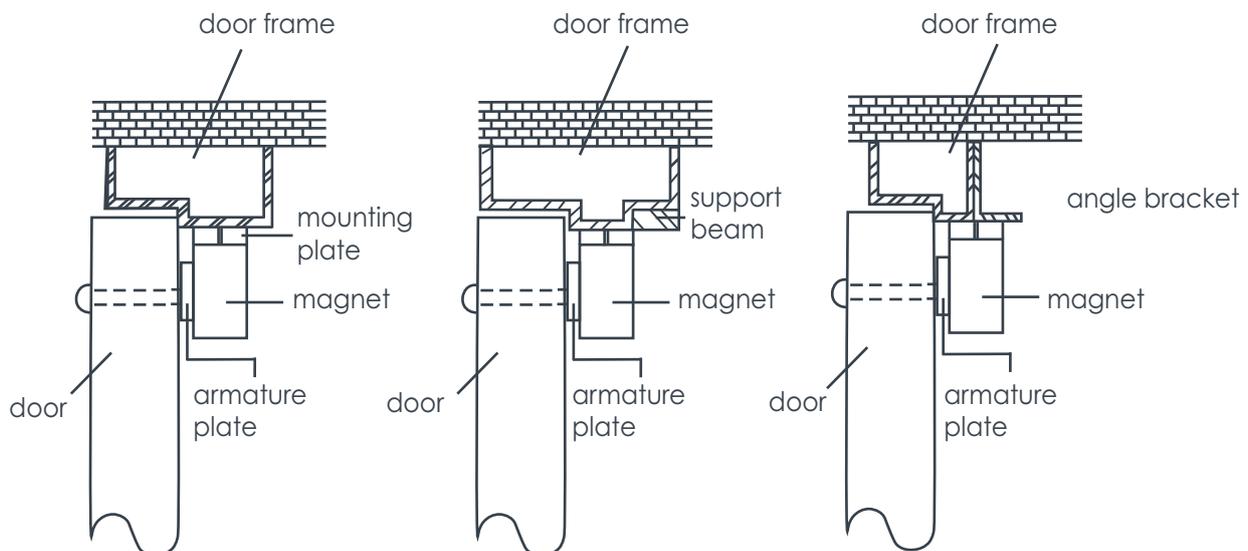


# MAGNETIC LOCK INSTRUCTIONS



## TECHNICAL SPECIFICATIONS:

- A. Holding force: 230 kgf, 280 kgf, 380 kgf, 500 kgf
- B. Voltage: 12V
- C. Current: 320mA
- D. Safety mode: power-on to lock, power-off to unlock
- E. Most common installations:
  - Flush-mounted (A)
  - Surface-mounted (G)
  - For opening doors (X)
  - With feedback (F)
- F. Optional features: LED indicator (D), time delay





## Step 1

- A. Fold the template along the dashed line.
- B. Place the template against the door and the upper door frame.
- C. Drill the holes according to the markings on the template.



## Step 2

Install the armature plate on the door using a rubber washer positioned between two steel washers. (The rubber and steel washers must be installed on the through-bolt between the plate and the door.)



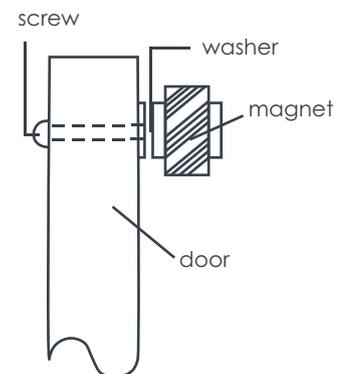
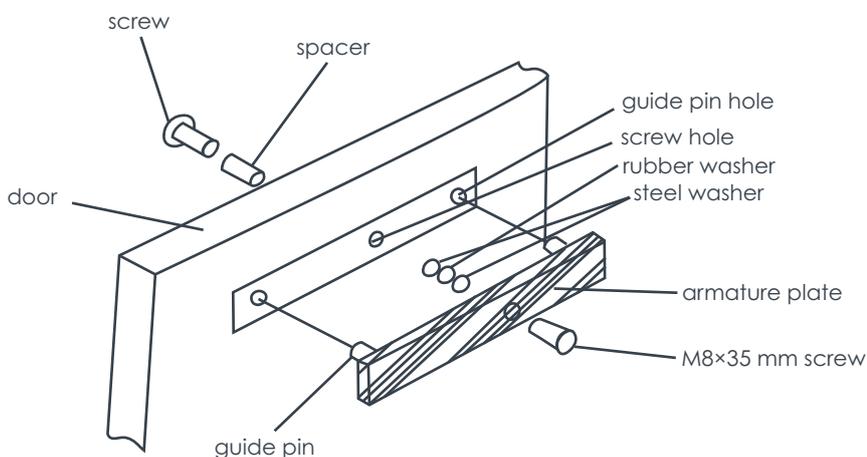
## Step 3

- A. Install the mounting plate using two flat head screws (the two M5x5 screws are installed in the adjustment slots).
- B. Adjust the mounting plate so that it forms a right angle with the armature plate.
- C. Using the mounting plate as a template, drill the hole for the wiring.
- D. Tighten the remaining screws.



## Step 4

Install the magnet onto the mounting plate using the two supplied M4 screws.





## Step 5

Test all functions for this model (refer to wiring instructions).

### **\*Mounting the mounting plate on the door**

**Important:** do not overtighten the mounting plate. Leave the rubber washer slightly flexible so that the mounting plate can self-align properly with the magnet.

#### **\*12V Input**

- A. Required current: 0.5 A (maximum)
- B. Connect the neutral (–) terminal of the 12V power supply to the black wire.
- C. Connect the positive (+) terminal of the 12V power supply to the red wire.
- D. Check the jumper for 12V operation.

#### **\*24V Input (for 230 GF and 500 GF models only)**

- A. Required current: 0.5 A (maximum)
- B. Connect the neutral (–) terminal of the 24V power supply to the black wire.
- C. Connect the positive (+) terminal of the 24V power supply to the red wire.
- D. Check the jumper for 24V operation.



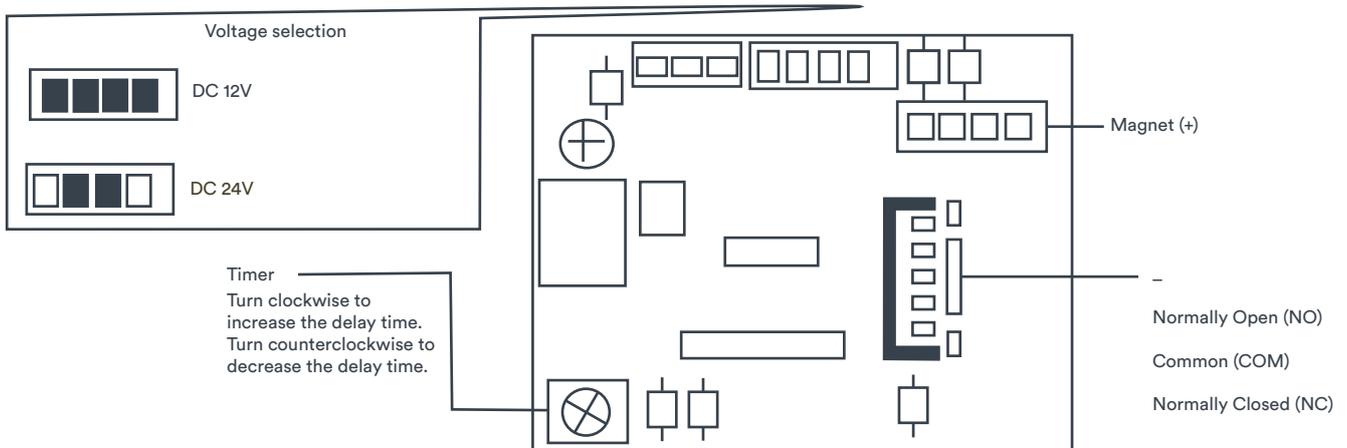
## Contacts

- A. The dry relay contacts are rated for a 24 VDC load. For safe operation, do not exceed this rating.
- B. If a normally open (NO) contact is required, connect the system wires to the yellow and orange wires. If a normally closed (NC) contact is required, connect the system wires to the yellow and green wires.

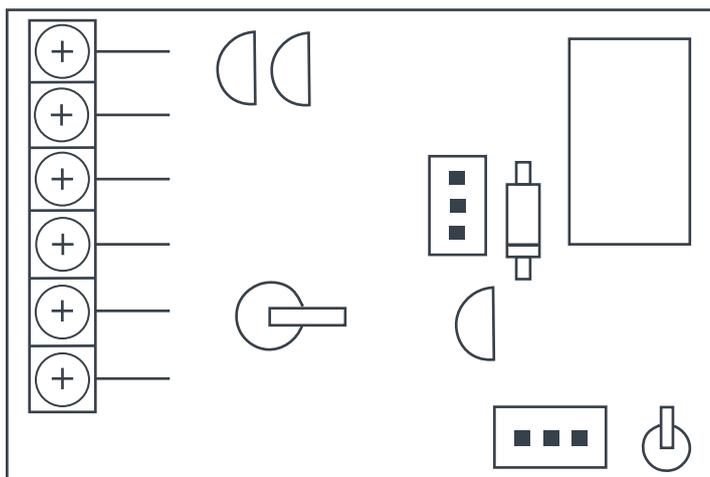




- Circuit diagram: 500GF electromagnetic lock (surface-mounted model).



### Feedback Panel

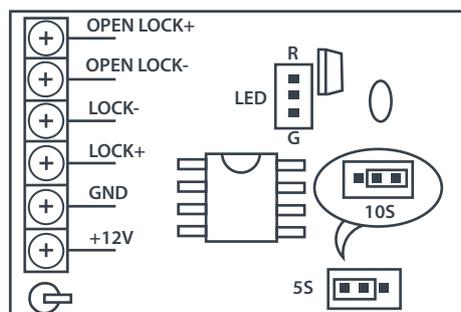


#### Important:

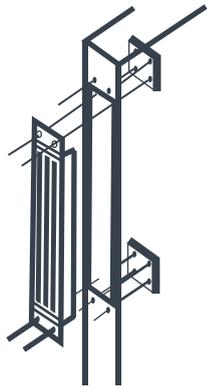
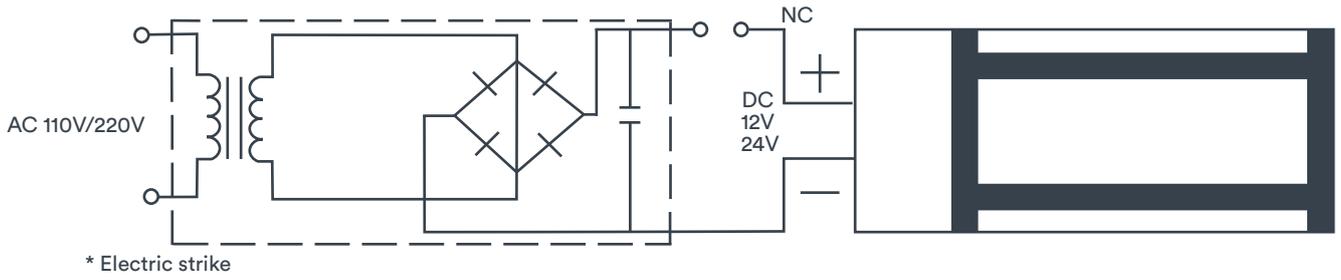
- The product must be powered only by a proper power supply.
- If the power switch is not connected between the DC power supply and the magnet, it will take time for the magnet to de-energize, causing residual magnetism.
- Make sure your jumper is energized or not.

### Time delay panel

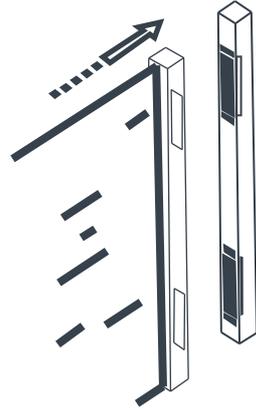
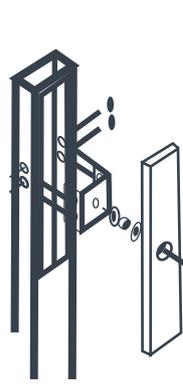
- NC: Normally Closed
- NO: Normally Open
- COM: Common
- +12V: Positive power supply
- GND: Negative power / Ground



- OPEN LOCK +: Positive input
- OPEN LOCK -: Negative input
- LOCK -: Negative pole
- LOCK +: Positive pole
- GND: Negative power
- +12V: Positive power



Install the magnet



Install the armature plate

