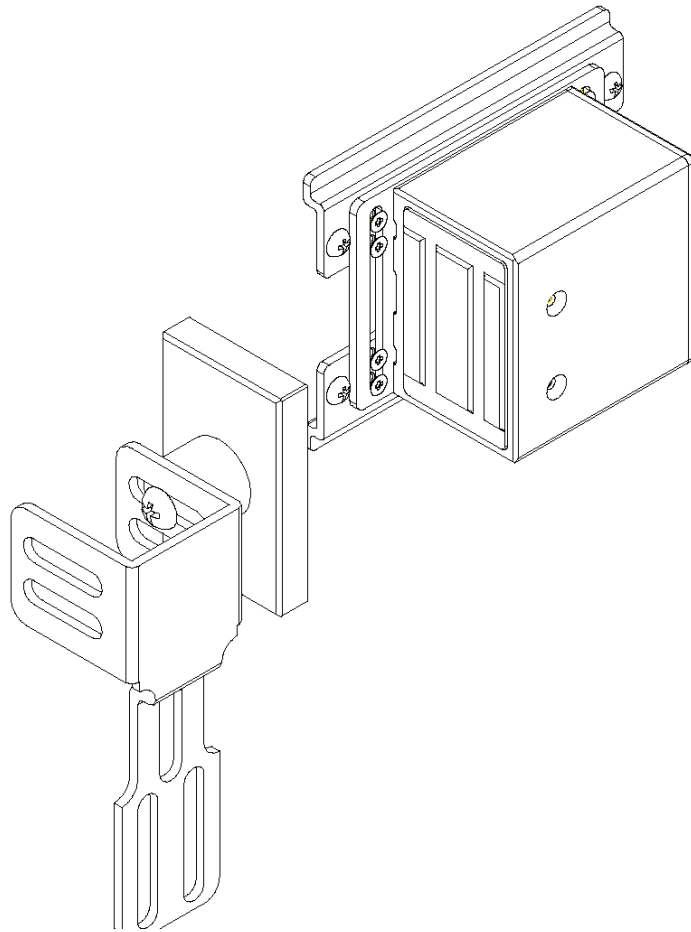


# **MAG-175**

## **ELECTROMAGNETIC LOCK (FOR AUTOMATIC DOOR) MANUAL**



## 1. Features introductions

- All-in-one design far easy installation. The lock itself would not have any residual magnetism.
- Adjustable width (59mm-89mm) far use of different sliding doors' slots.
- Armature bracket which can be adjusted horizontally or vertically for better fitting.
- Voltage input design to fit all sliding doors (DC12V).
- The lock itself is equipped with release switch and indicator for better maintenance of the sliding doors.
- Built-in photocoupler connects with egress delay circuit push button point.
- Maximum holding force of 80kg/ 175 lbs.
- Currents: 150mA {depending on DC12V testing}.

### Dimensions:

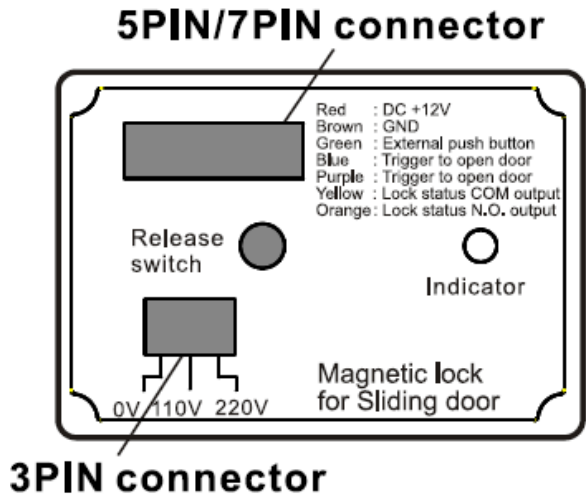
- Magnetic lock body: 118 mm (L) x 66mm (W) x 53.5mm (H).
- Armature: 63mm (L) x 38mm (W) x 126.5mm (H).
- Total weight: 1.25kg.

## 2. Model series

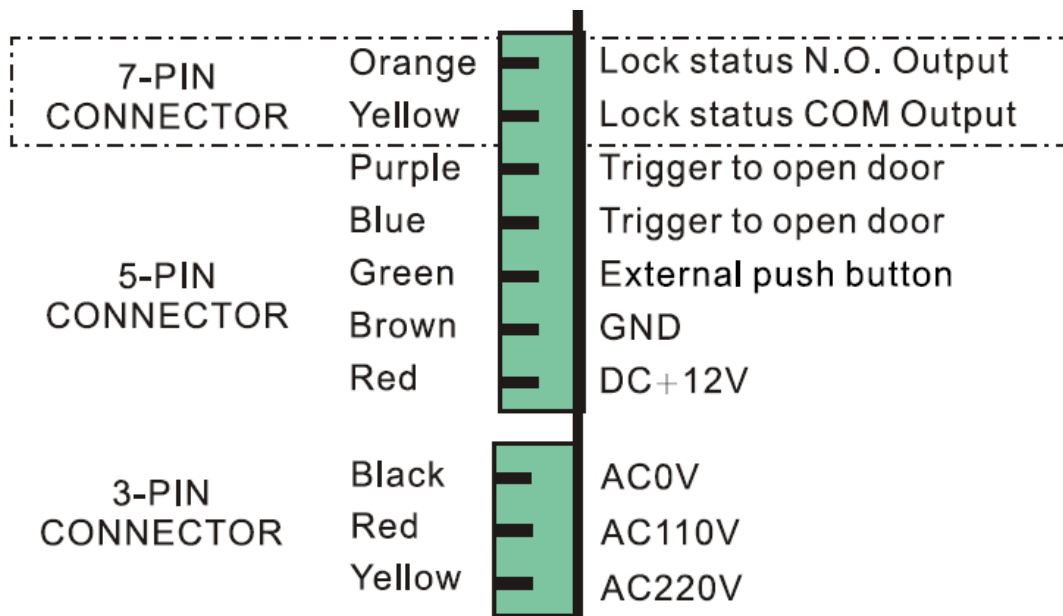
- 5PIN connector without lock status point.
- 7PIN connector with lock status point.

## 3. Panel

- 3PIN connector: To set either 110V or 220 V
- 5 PIN connector: DC12, external push button, triggers to open door.
- 7 PIN connector: DC12 V, external push button, triggers to pen door, lock status point.
- Release switch: For better maintenance of sliding door.
- Indicator (red):
  - Normal state: Blinking
  - Door opening: Light on



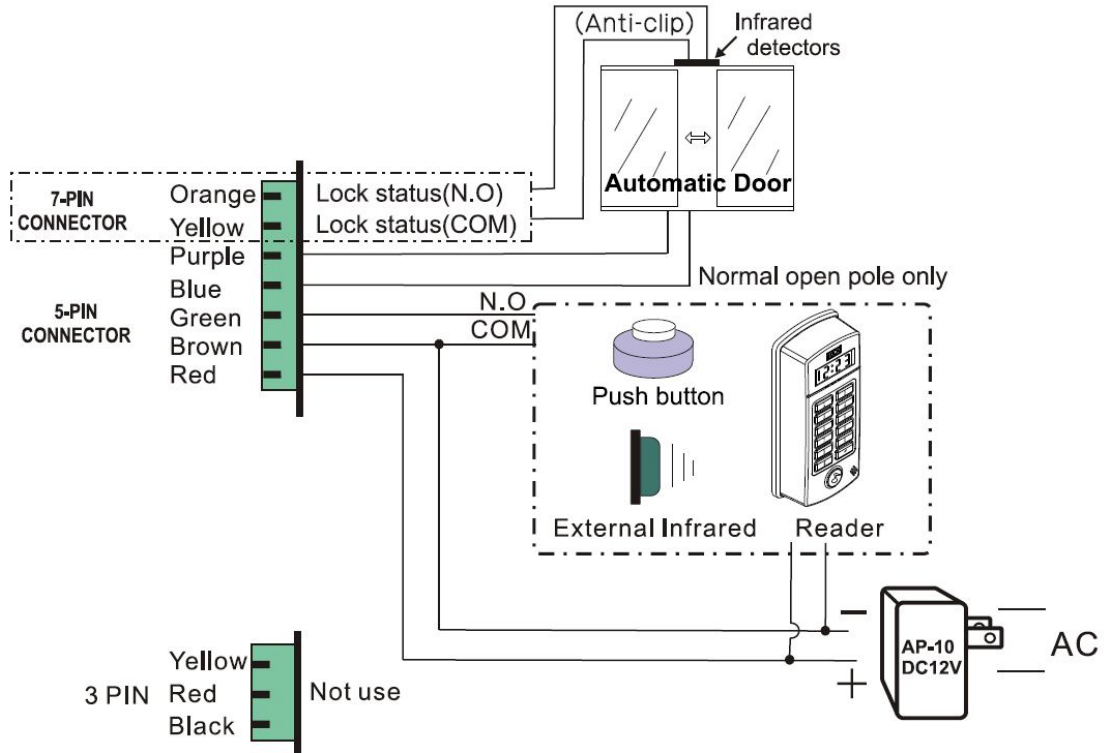
#### 4. Installation instructions



- PS. (1) Please select only one power input (DC12V or 110V or 220V)  
 (2) Trigger to door open relay contact rating: 1A@30VDC, 0.5A@120VAC.

## 5. Connector Wiring

A .Use of DC12V only

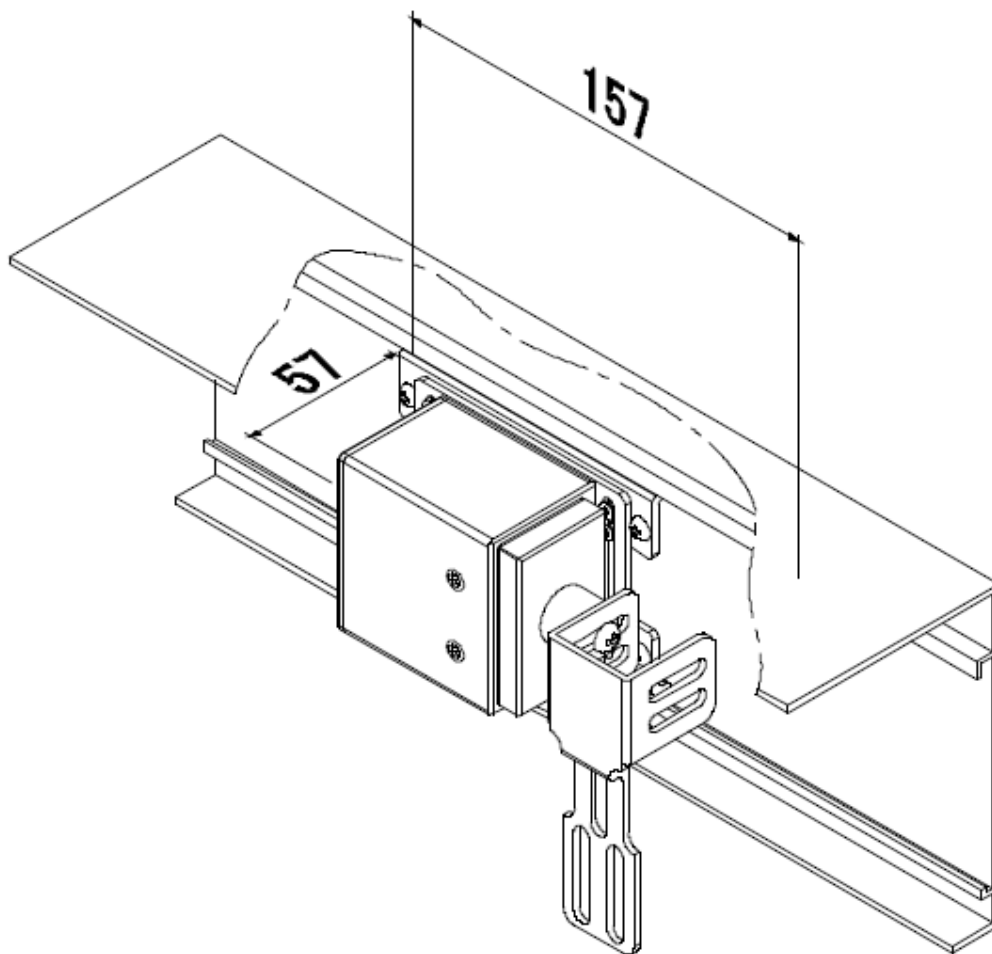


## 6. Precautions

- (1) Before installation, please check the voltage and polarity of the power supply in order to avoid wrong connection causing damage to the magnetic lock.
- (2) Please make sure the armature is fit correctly to avoid any damage to the door before use.
- (3) Please do not attempt to repair or conduct any modification to the system, unless by qualified personnel.
- (4) Warranty period for the magnetic lock is 1 year.

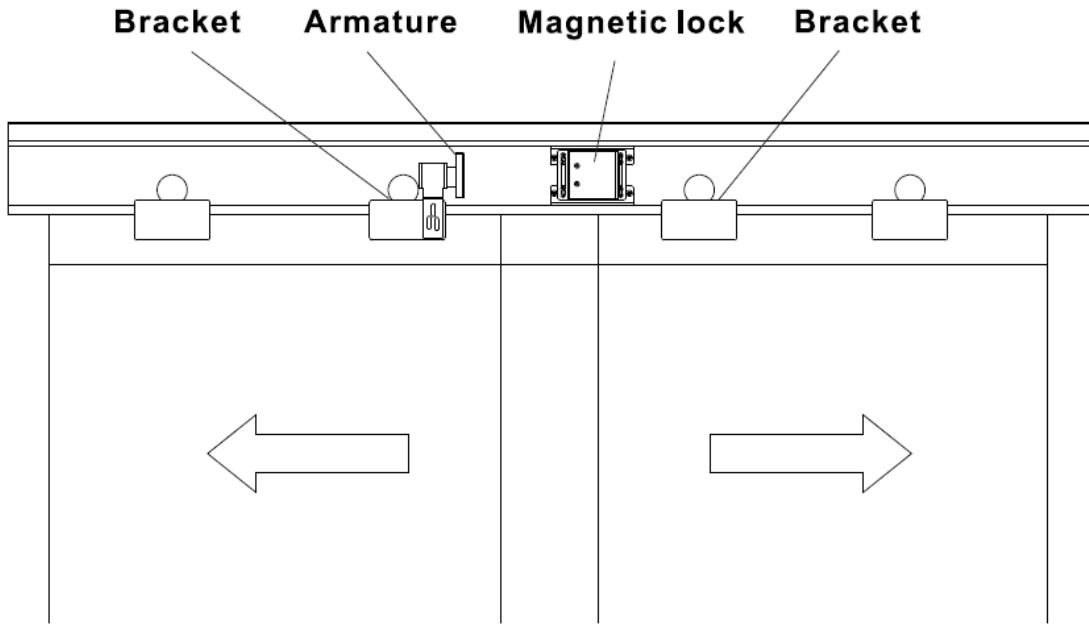
## 7. Installations

- (1) Dimensions

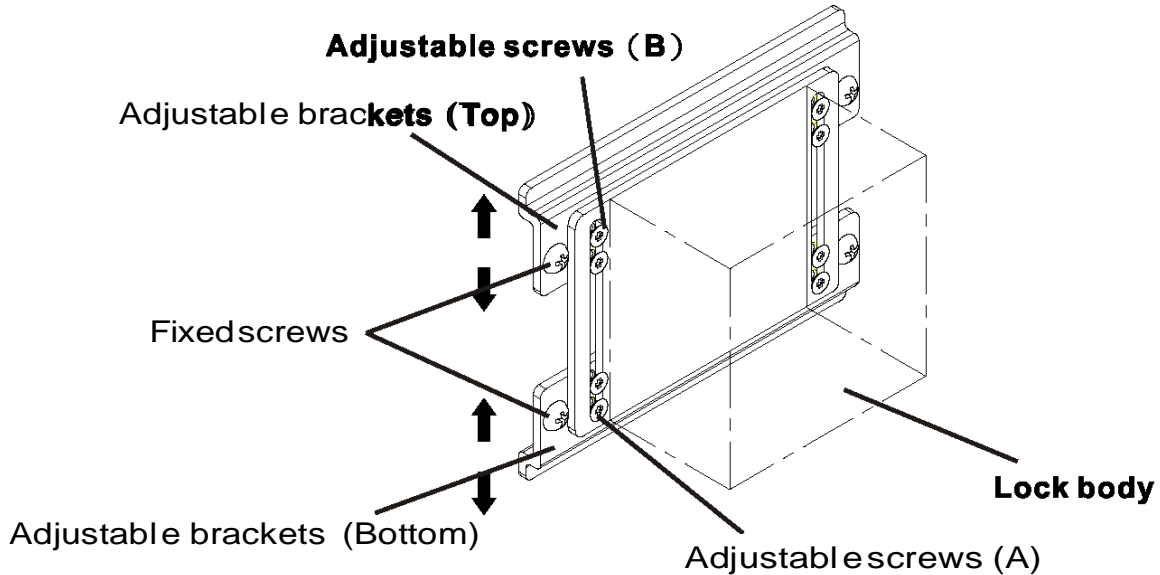


Unit:mm

(2) Physical installation

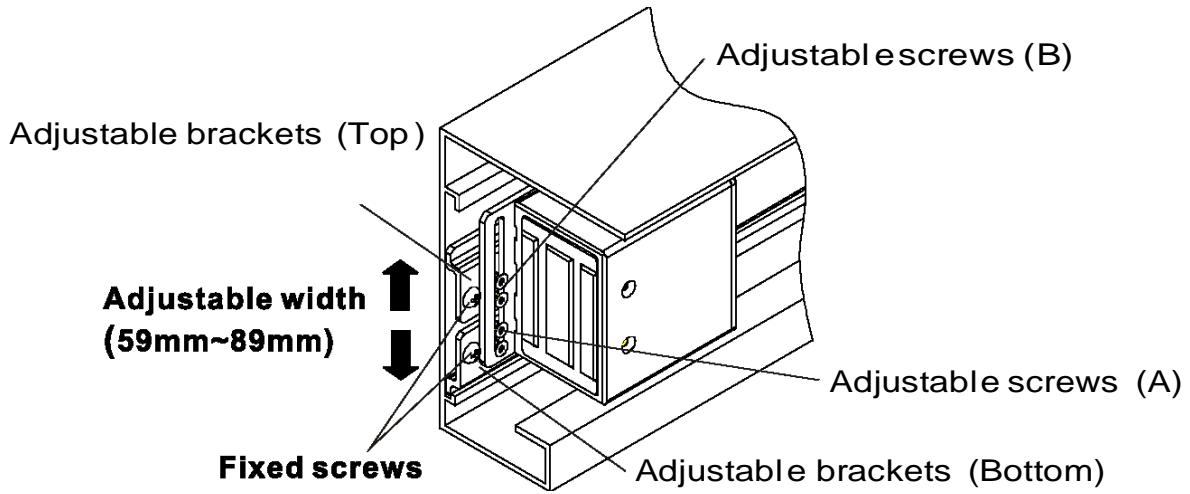


(3) Template assembly



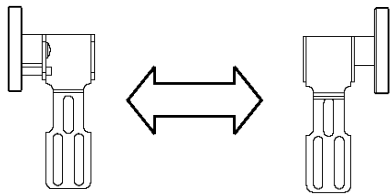
- The use of the template is to fix the lock body to the adjustable bracket.  
8 adjustable screws adjust the lock body on the template's two long vertical slits.
- 8 adjustable screws There are 2 adjustable screws for all 4 sides of the template for stronger position holding and to avoid any damage to the template.
- A bending area of the adjustable bracket is being put into the slot.  
Use fixed screws to fit the lock body tightly to the slot.

(4) Adjusting the brackets

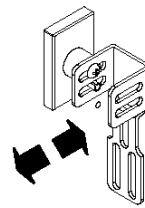


- A. Loosen all 8 adjustable screws (A and B). Adjust the bracket (bottom) to the lowest point and tighten all 4 adjustable screws (A).
- B. Fit the lock body to the slot. Adjust the bracket (top) to the slot.
- C. Finally, tighten all 4 adjustable screws (B) and all fixed screws.

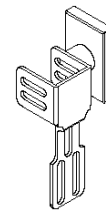
(5) Adjusting the armature



Loosen the fixed screws and move the armature to the different direction to suit different door.

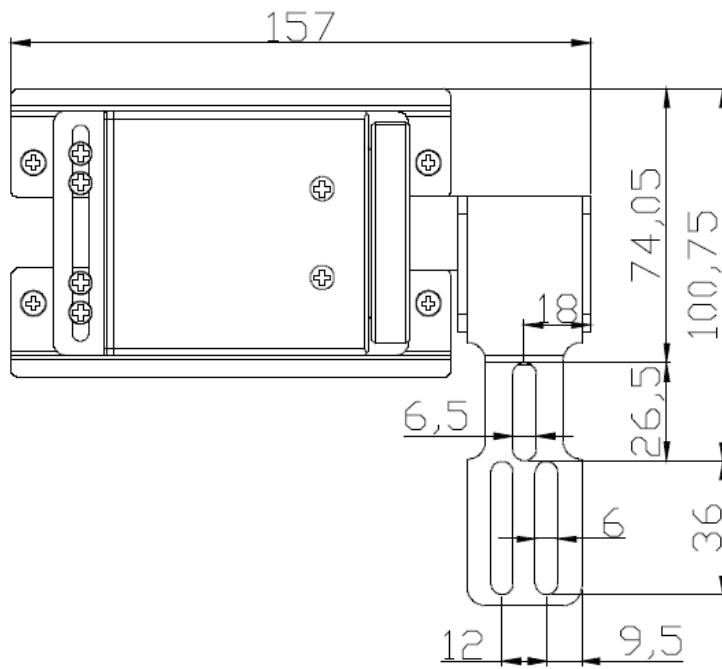


Adjusting the armature horizontally



Adjusting the armature vertically.

Relevant positions:



Unit:mm