

## 10006S Midi Magnetic Lock Waterproof(Surface Mount)



### Features

- Low maintenance with high reliability
- Stainless steel housing
- Dual voltage 12 or 24 VDC (selectable)
- MOV provides spike and surge protection
- Holding force up to 800 lbs

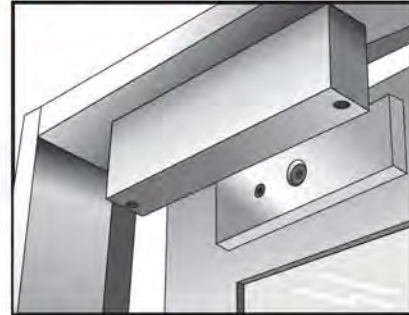
### Statement

10006S is designed for surface mount on out-swing doors. The maglock can be configured to mount on in-swing and glass doors with optional LZ- and U-shaped brackets. With stainless steel housing, it is suitable for outdoor applications and severe weather conditions. 10006S-M comes with magnetic bond sensor indicating locked and unlocked status.

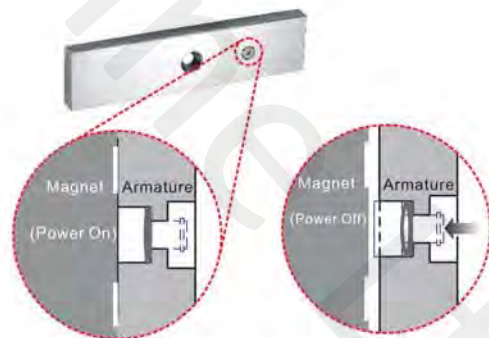
### Specification

- Operating Voltage: Single Voltage: 12 or 24VDC  
Dual Voltage: 12/24VDC
- Current Draw:
  - Single Voltage: 340mA/12VDC, 250mA/24VDC
  - Dual Voltage: 500mA/12VDC, 250mA/24VDC (at temperature 20°C)
- Bond sensor output (10006S-M) SPDT rated 0.5A/20VDC
- Operating temperature: -10~55°C (14~131°F)
- Humidity: 0~95% non-condensing.
- Holding force: Up to 800 lbs (363 Kg)
- Dimensions:
  - Magnet:(L) 216, (W) 52, (D) 30 mm
  - Armature plate:(L) 185, (W) 45, (D) 14 mm
- Special finishes for magnet and armature plate: Zinc plated
- Epoxy potting compound: E87252 (S), UL94V-0
- Net Weight : 3.0 Kg

### Standard Installation



This series of Waterproof Magnetic Lock is protected by epoxy potting compound. Also, GEM Waterproof Series Magnetic Locks have been proved to withstand water with the test procedures of IPX7, IPX8 by a trusted third party. Therefore users need not worry that the lock will rust or spark, if the lock is in outdoor applications and installed in confined space where inflammable gases are stored.



### Anti-residual statement

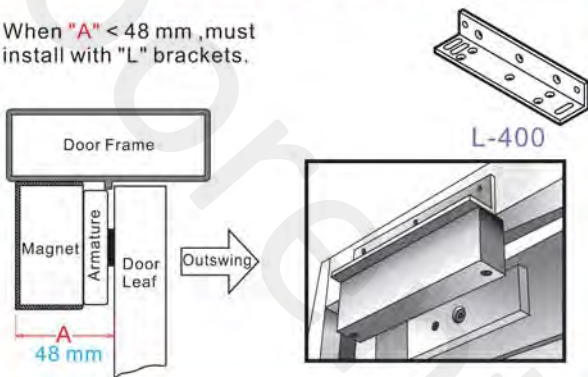
Our electromagnet locks feature Anti-Residual Magnetism (ARM) which ensures the door can be opened without any resistance from left over magnetism imparted to the armature plate

### Optional Brackets

Bracket installation is according to door swing direction and door frame type , e.g. narrow frame door frameless glass door inswing door etc.

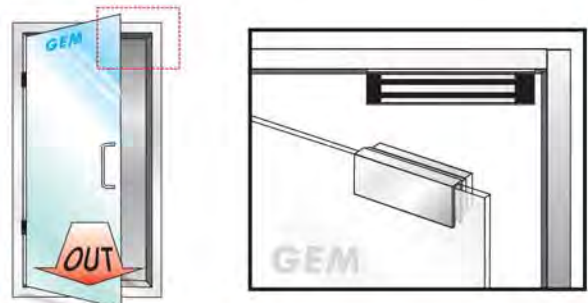
#### L-bracket for narrow door frames

When "A" < 48 mm ,must install with "L" brackets.

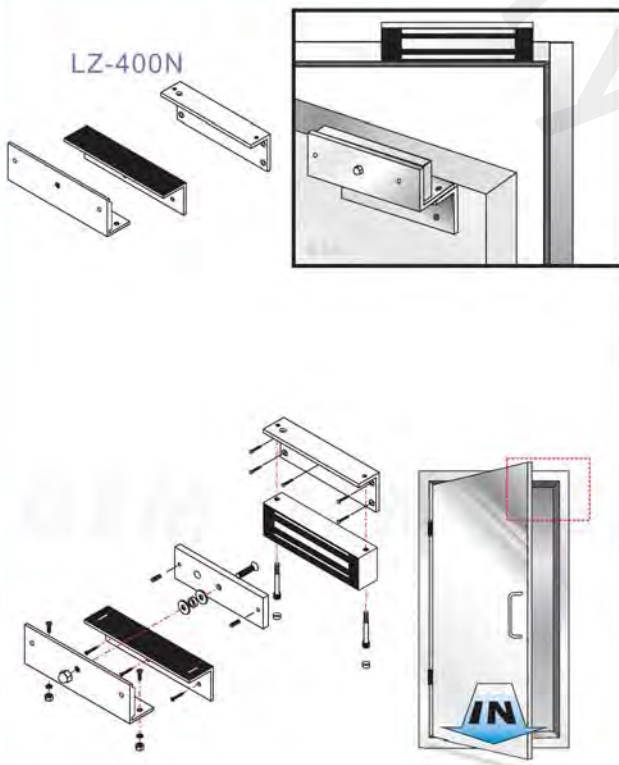


#### U-bracket for frameless glass doors

UBK-013 For 10~12mm glass thickness



#### LZ-bracket for inswing doors

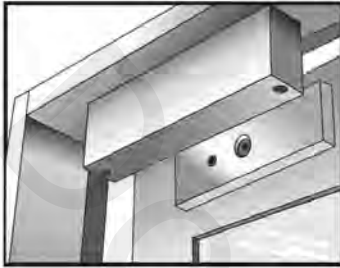




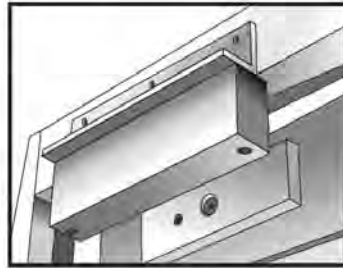
# Electromagnetic Lock Installation Instruction (Waterproof Series)

## Optional Bracket

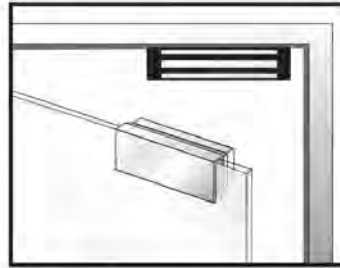
Brackets installation are according to door swing direction and door frame type, e.g. narrow frame door, frameless glass door, inswing door, etc.



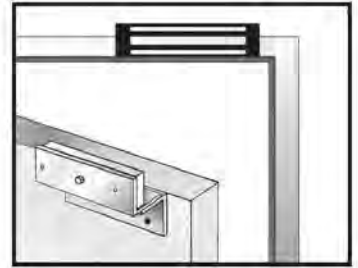
Regular Installation  
(outswing door)



L-bracket for  
narrow frames (optional)

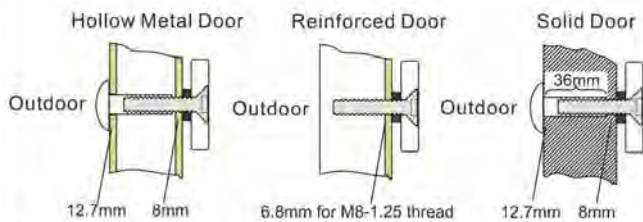
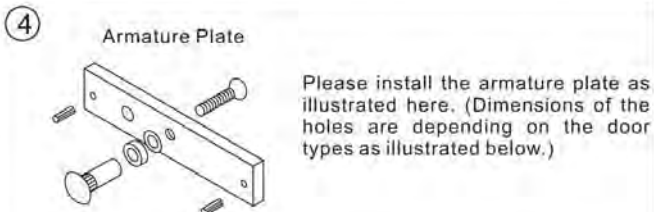
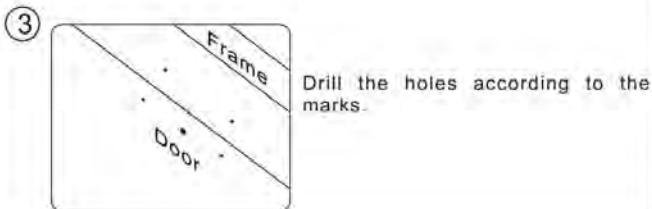
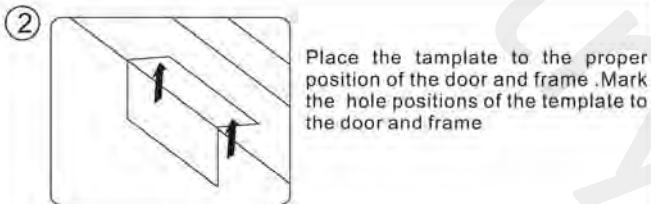
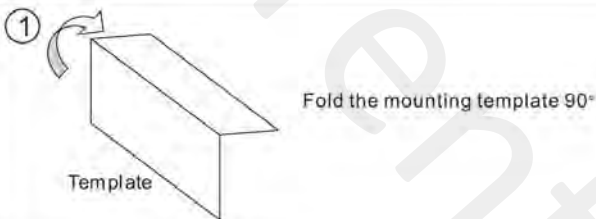


U-bracket for frameless  
glass doors (optional)



LZ-bracket for  
inswing doors (optional)

## Regular Installation



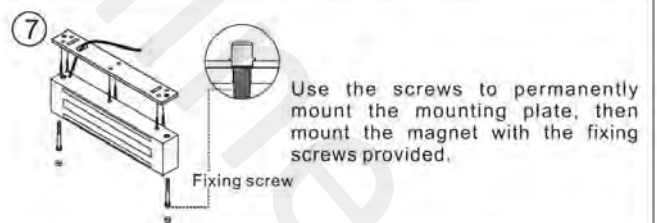
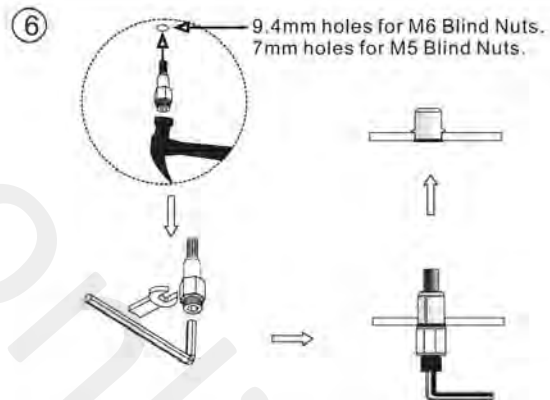
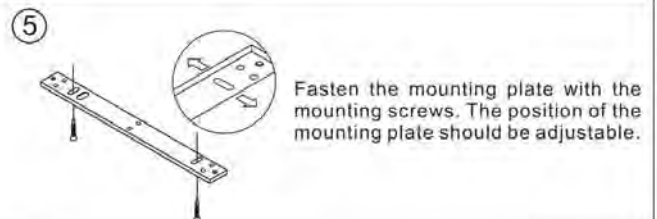
Drill a  $\varnothing 8\text{mm}$  hole through door, on closing side enlarge to  $\varnothing 12.7\text{mm}$  by a sexnut blot on the opening side.

Drill a  $\varnothing 6.8\text{mm}$  hole and tap on closing side a M8x1.25 thread.

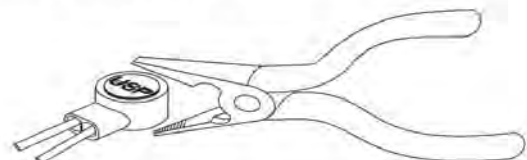
Drill a  $\varnothing 8\text{mm}$  hole through door on closing side enlarge to  $\varnothing 12.7\text{mm}$ , by a sexnut blot on the opening side. The depth is 36mm.

### Recommendation:

- For Micro EM-locks (300 LBS), maximum thickness of door is 44 mm.
- For Mini EM-locks (600 LBS), maximum thickness of door is 50 mm.
- For Midi EM-locks (800 LBS), maximum thickness of door is 48 mm.
- For Maxi EM-locks (1200 LBS), maximum thickness of door is 46 mm.

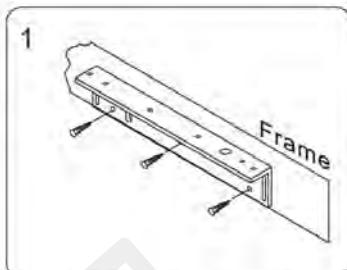


## Butt Splice(IDC) Connector

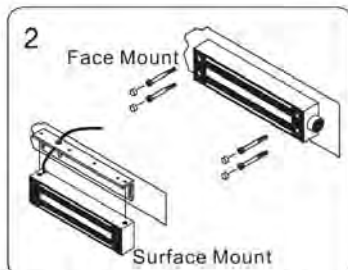


Using crimpers or pliers and pressing the header of connector down to even position.

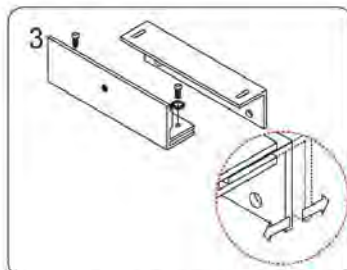
# LZ or Z bracket for inswing doors



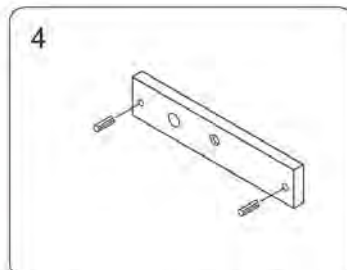
1 Find a mounting position on the door frame for the L bracket. Make sure that the door is still closeable.



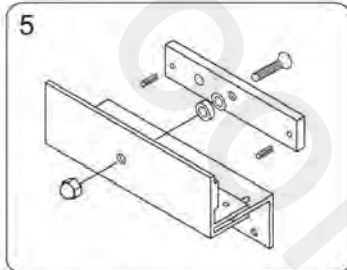
2 Use the fixing bolts to tighten the electromagnetic lock on L bracket. (For face mount, the magnetic lock can be mounted directly on the door frame)



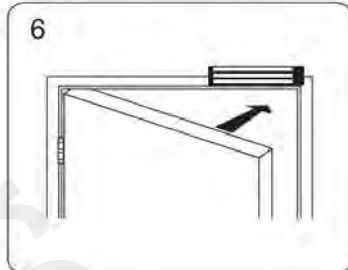
3 Assemble the Z bracket, and make sure that the Z bracket is adjustable.



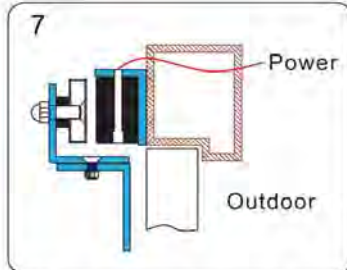
4 Insert the guide pins into the armature plate.



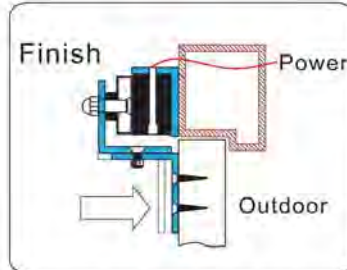
5 Fasten the armature plate to the Z bracket (Must add rubber washer)



6 Close the door and connect the power



7 After the maglock attracts the armature adjust plate, the Z bracket to fit the door.



8 Fasten the Z bracket to the door.

## Connecting Diagram

Wire Leads	Voltage	Bond sensor output
<b>2C Wire Leads</b> Single voltage (Power input is polarity free)	<b>12 VDC: Black, Red</b> Control Device N.C. contact or Access Relay  <b>24 VDC: Black, White</b> Control Device N.C. contact or Access Relay 	
<b>4C Wire Leads:</b> Dual voltage (Power input is polarity free)	<b>Voltage Selection: 12 VDC</b>  <b>Voltage Selection: 24 VDC</b> 	
<b>5C Wire Leads</b> Bond Sensor Output (Power input is polarity free)	Control Device N.C. contact or Access Relay 	Bond sensor output Indicates the locked (N.O. contact) or unlocked (N.C. contact) status (Relay rated 0.5/20VDC) White:N.C. Black:COM. Red:N.O.
<b>6C Wire Leads</b> Dual voltage and Bond Sensor Output (Power input is polarity free)	<b>Voltage Selection: 12 VDC</b>  <b>Voltage Selection: 24 VDC</b> 	Bond sensor output Indicates the locked (N.O. contact) or unlocked status (N.C. contact) (Relay rated 0.5A/20VDC) Blue:COM. Yellow:N.O.
<b>7C Wire Leads</b> Dual voltage and Bond Sensor Output (Power input is polarity free)	<b>Voltage Selection: 12 VDC</b>  <b>Voltage Selection: 24 VDC</b> 	Bond sensor output Indicates the locked (N.O. contact) or unlocked status (N.C. contact) (Relay rated 0.5A/20VDC) Yellow:N.O. Blue:COM. Orange:N.C.