

# DS-K4H250S

## Single-door Magnetic Lock

The DS-K4H250S Single-door magnetic lock is designed for wooden door, glass door, and steel door with the opening angle of 90°. The maximum thrust of the lock is 300kg. It can be used for controlling door opening/closing, and the indicator shows the door status. It supports signal output of door lock output status testing.



### AVAILABLE MODEL

DS-K4H250S

### MAIN FEATURES

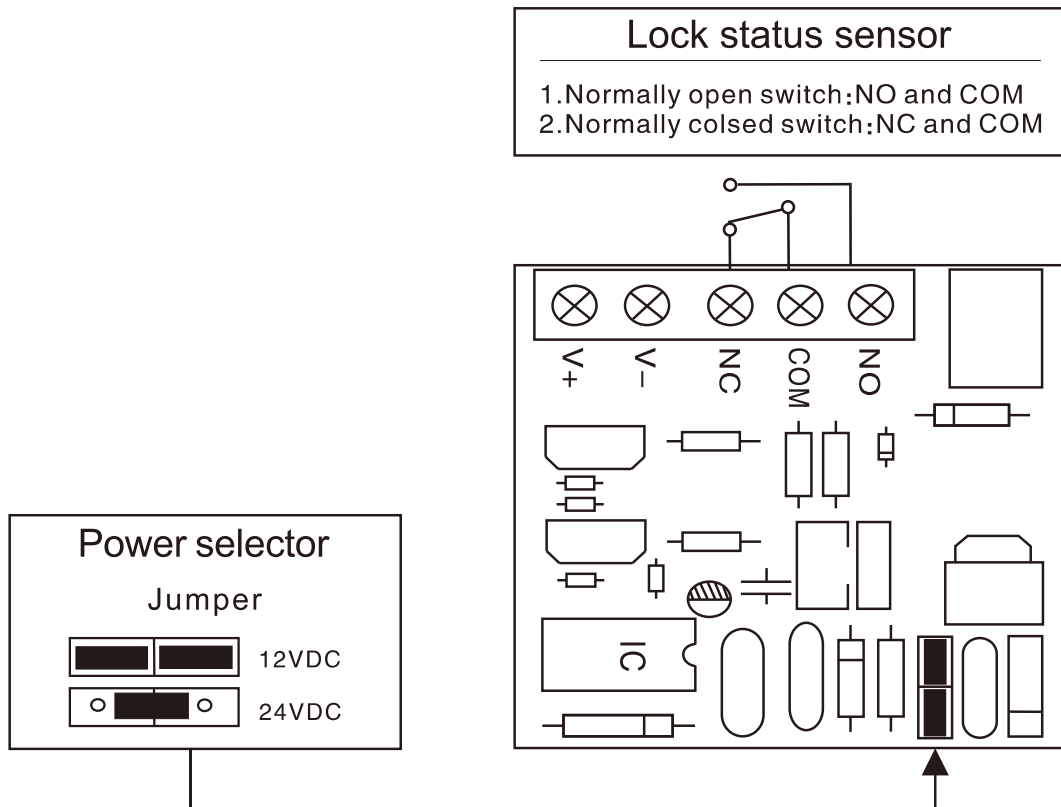
- The magnetic lock supports static linear thrust of 300kg;
- The power supply can be customized to be 12VDC or 24VDC, and the default voltage is 12VDC;
- It is equipped with internal voltage dependent resistor (MOV);
- It is applied to wooden door, glass door, metal door and fireproof door;
- LED indicator displays the status of door lock;
- Signal output of door lock status (NO\NC\COM);
- Anti-residual magnetism design;
- Abrasion-proof materials;
- The shell is made up of aldural and is hard anodizing electroplated;
- No mechanical failure, and the magnetic lock works by electromagnetism force;

### SPECIFICATIONS

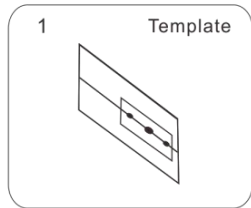
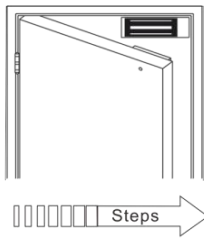
Model	DS-K4H250S
Dimension of Lock Body (L×W×H)	240×49×25.5mm (9.45×1.93×1.00")
Dimension of Armature Plate (L×W×H)	180×38×11mm (7.1×1.5×0.4")
Maximum Thrust	300kg Linear Thrust
Input Voltage	DC12V/DC24V

<b>Model</b>	<b>DS-K4H250S</b>
<b>Working Current</b>	12V/500mA      24V/250mA
<b>Signal Output</b>	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking
<b>LED Indicator</b>	Red (Door is Unlocked)      Green (Door is Locked)
<b>Suitable Door</b>	Wooden Door, Glass Door, Metal Door, Fireproof Door
<b>Working Temperature</b>	-10°C to +55°C (14°F to 131°F)
<b>Working Humidity</b>	0 to 95% (Relative Humidity)
<b>Shell</b>	Hard Anodizing Electroplating Operated
<b>Lock Body</b>	Eco-friendly Zinc with Electroplating Operated
<b>Armature Plate</b>	Eco-friendly Zinc with Electroplating Operated
<b>Weight</b>	2.1kg(4.63lb)

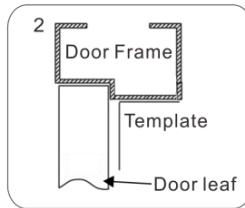
### Circuit Board Diagram



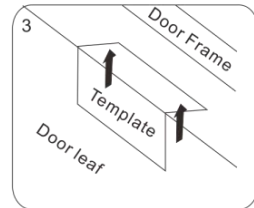
# Installation



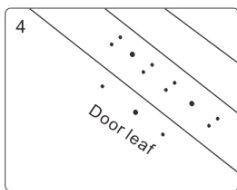
1 Template  
Fold the plate to 90°.



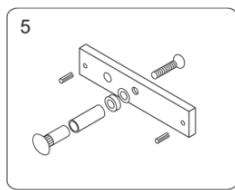
2 Door Frame  
Template  
Door leaf  
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.  
Hollow Metal Door    Wooden Door    Metal Surface Door



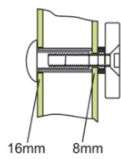
3 Door Frame  
Template  
Door leaf  
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



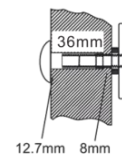
4 Door leaf  
Drill holes based on the marked positions.



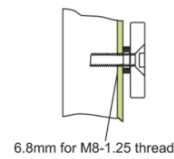
5 Make a combination based on the picture.



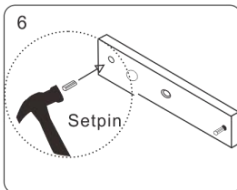
16mm 8mm  
Drill a hole  
Inside: Diameter is 8mm  
Outside: Diameter is 16mm



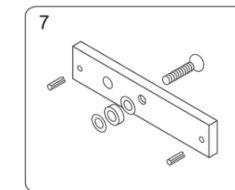
36mm  
12.7mm 8mm  
Drill a hole  
Inside: Diameter is 8mm  
Outside: Diameter is 12.7mm



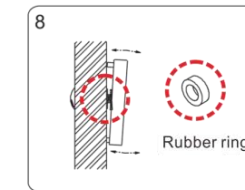
6.8mm for M8-1.25 thread  
Inside: Drill a hole diameter is 8mm folding the plastic straight pin



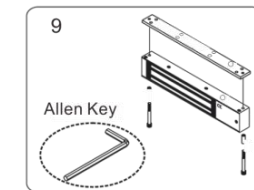
6 Setpin  
Strike the pin into the armature plate slightly (to avoid movement).



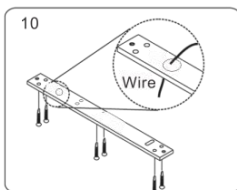
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be added.



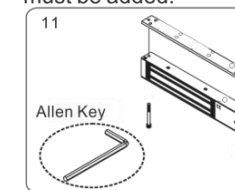
8 Rubber ring  
Place the rubber ring between armature plate and door leaf.



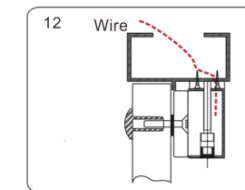
9 Allen Key  
Use Allen key to remove the mounting plate from lock body.



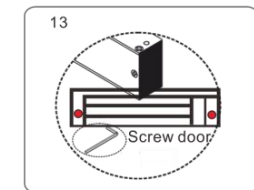
10 Wire  
Fix the mounting plate on the door frame according to the holes drilled earlier.



11 Allen Key  
Use Allen key to screw the lock body on the mounting plate.



12 Wire  
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



13 Screw door  
After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.

## Installation Instruction

