

DS-K4H250S

Single-Door Magnetic Lock

The 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 280 kg (600 Lbs). 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

Key Feature

- The magnetic lock supports static linear thrust of 280 kg (600 Lbs)
- The power supply can be customized to be 12 VDC or 24 VDC, and the default voltage is 12 VDC
- 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 aluminum and is hard anodizing electroplated
- No mechanical failure, and the magnetic lock works by electromagnetism force



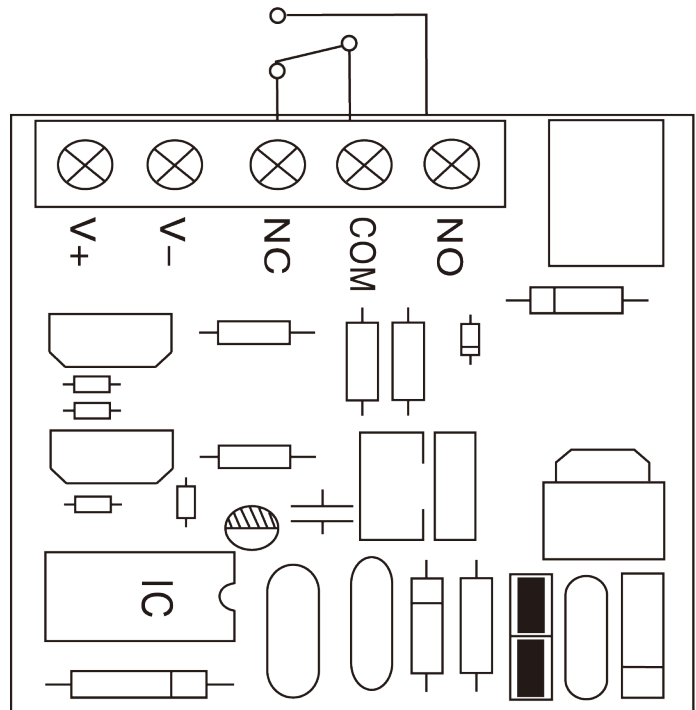
Specifications

Model	DS-K4H250S
Dimension of lock body (L × W × H)	240 mm × 49 mm × 25.5 mm (9.45" × 1.93" × 1.00")
Dimension of armature plate (L × W × H)	180 mm × 38 mm × 11 mm (7.1" × 1.5" × 0.4")
Maximum thrust	280 kg (600 Lbs) linear thrust
Input voltage	12 VDC/24 VDC
Working current	12 V/500 mA, 24 V/250 mA
Signal Output	Dry contact signal output; Support Maximum power rate of 3A; NO output while locking and NC output while unlocking
LED indicator	Red: Door is unlocked Green: Door is locked
Suitable door	Wooden door, glass door, metal door, fireproof door
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	0 to 95% (relative humidity)
Shell	Hard anodizing electroplating operated
Lock body	Eco-friendly Zinc with electroplating operated
Armature plate	Eco-friendly Zinc with electroplating operated
Weight	2.1 kg (4.6 Lbs)

Circuit Board Diagram

Lock status sensor

- 1. Normally open switch:NO and COM
- 2. Normally closed switch:NC and COM

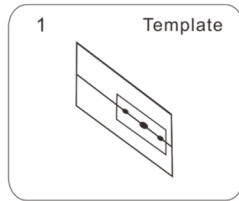
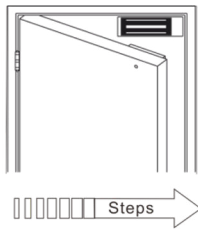


Power selector

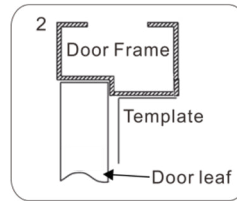
Jumper



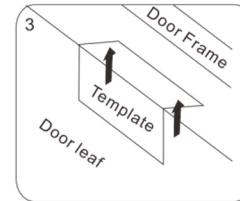
Installation



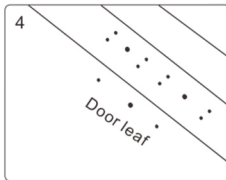
1 Template
Fold the plate to 90°.



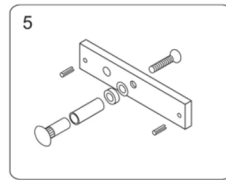
2 Door Frame
Template
Door leaf
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



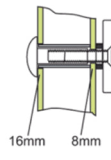
3 Door Frame
Template
Door leaf
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



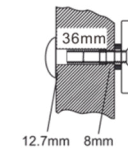
4 Door leaf
Drill holes based on the marked positions.



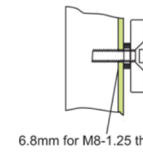
5 Make a combination based on the picture.



Hollow Metal Door
Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 16mm

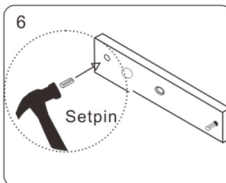


Wooden Door
Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 12.7mm

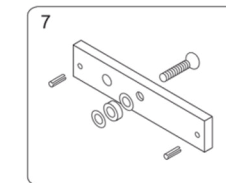


Metal Surface Door
6.8mm for M8-1.25 thread

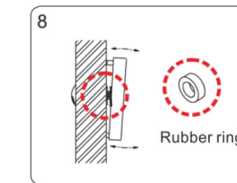
Inside: Drill a hole diameter is 8mm folding the plastic straight pin



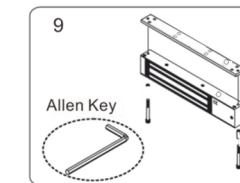
6 Set pin.
Strike the pin into the armature plate slightly (to avoid movement).



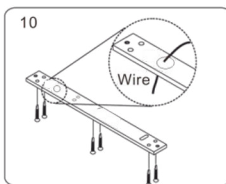
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be added.



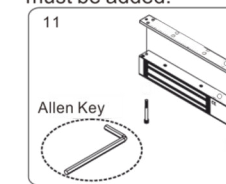
8 Rubber ring
Place the rubber ring between armature plate and door leaf.



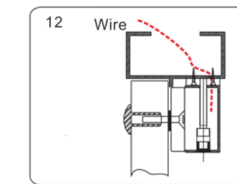
9 Allen Key
Use Allen key to remove the mounting plate from lock body.



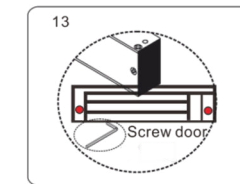
10 Wire
Fix the mounting plate on the door frame according to the holes drilled earlier.



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

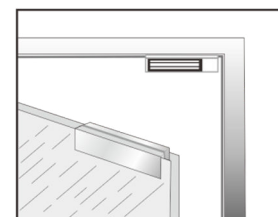
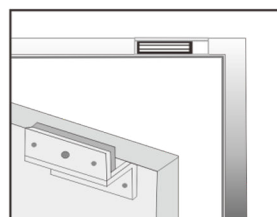
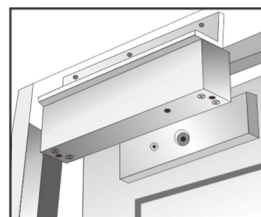
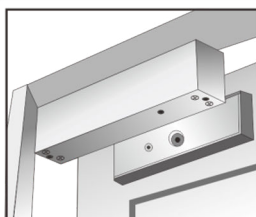


12 Wire
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



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

Installation Instruction



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