

Model Number	HK-Y280S-LS	Product Photo
Brand	HAWKVISION	
Country of Origin	United Kingdom	
Country of Assembled	China	
Product	Surface Mounted Magnetic Lock	
Holding force	600lbs	
Voltage Dual	12V DC / 24V DC	
Sensor	Fail Safe, LED Indicator, Feedback Signal	
Color	Silver	
Lock Size	250L x 47W x 25H (mm)	
Armature Plate:	180L x 38W x 11H (mm)	
Gross Weight	2 KG	
Warranty	1 Year	

Magnetic Lock Wiring Instructions

A. 12V DC Input:

Required Power 0.5 Amp (Minimum).

Connect the Positive (+) lead from a 12V DC power source to V+.

Connect the Ground (-) lead from a 12V DC power source to V-.

Check Jumper for 12V DC operation.

B. 24V DC Input:

Require Power 0.25 Amp (minimum).

Connect the Positive (+) lead from a 24V DC power source to V+.

Connect the Ground (-) lead from a 24V DC power source to V-.

Check Jumper for 24V DC operation.

C. Contacts:

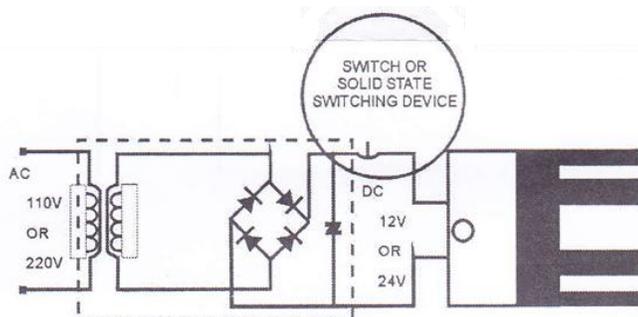
Relay dry contacts are rated 1 Amp at 24V DC for safe operation, do not exceed this rating.

If you require a normally open switch, connect the wires from the system to COM and NO.

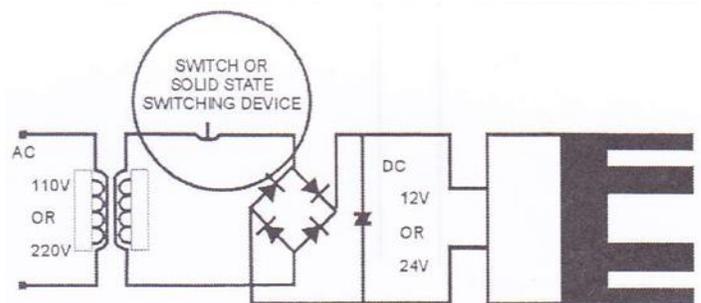
If you require a normally closed switch, connect the wires from the system to COM and NC.

Important Note:

If Power Switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism. (see below)

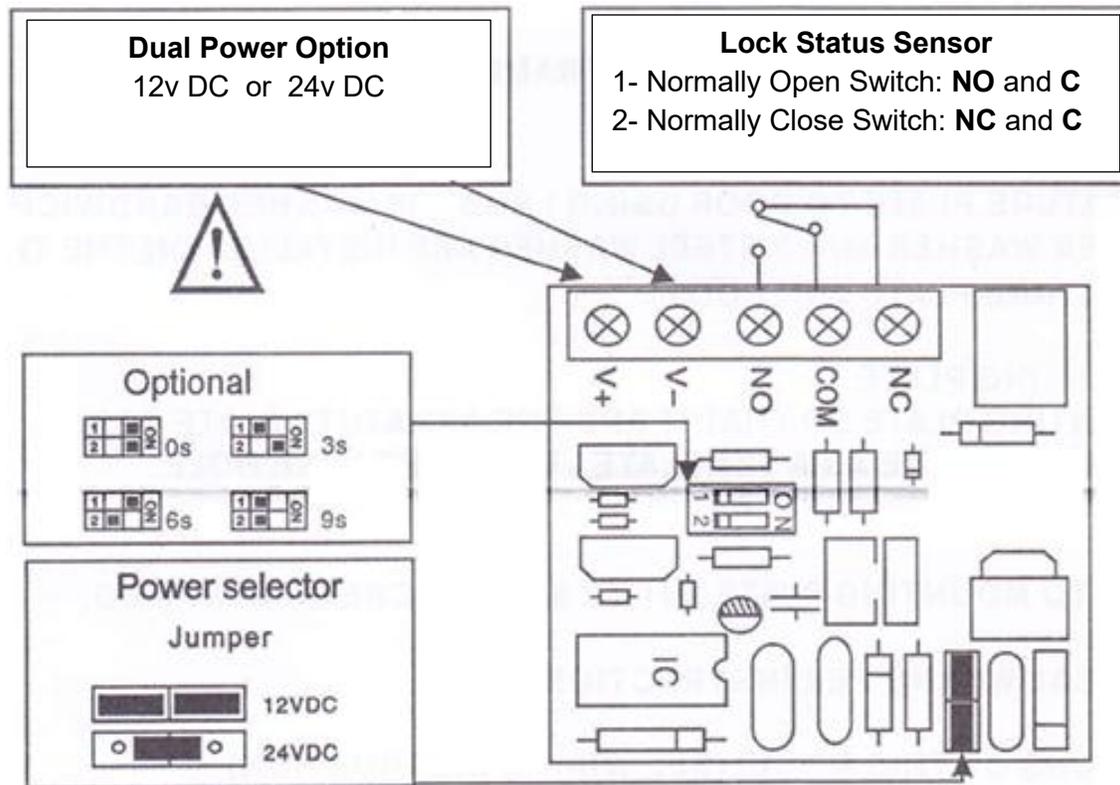


Correct



In-Correct

Printed Circuit Board Schematic



- A.** Handle the parts carefully.
Scratching or damaging the surfaces of the magnet or armature plate will reduce the lock's holding power.
- B.** Mount the magnet firmly on the **door frame**.
Mount the **armature plate** on the **door** using the supplied hardware kit.
The plate can pivot slightly to adjust for door movement or misalignment.
- C.** Use the installation template while the door is in its **closed position**.
- D.** Apply **thread locker** to all screws before tightening.
Tighten all screws firmly to prevent them from loosening.

Magnetic Lock Installation Steps

STEP 1 — Prepare Template

1. Fold the template along the dotted line.
2. Place the template against the door and head frame.
3. Drill holes as indicated on the template.

STEP 2 — Install Armature Plate

1. Mount the armature plate to the door.
2. Place **one rubber washer** between **two steel washers** on the through sexnut (the bolt that goes between the armature plate and the door).
3. Make sure the rubber washer remains flexible so the plate can move slightly for proper alignment.

STEP 3 — Install Mounting Plate

1. Attach the mounting plate to the door frame.
2. Adjust it so that the **mounting plate** and **armature plate** form a **right angle (90°)**.
3. Use the mounting plate as a template to drill the **wire hole**.
4. Drill and install the remaining mounting screws.

STEP 4 — Attach Magnet

1. Install the magnet onto the mounting plate using the two **M4 (or M6)** screws provided.

STEP 5 — Connect Wiring

1. Complete the electrical wiring according to the **wiring instruction sheet**.

STEP 6 — Test Operation

1. Test all functions of the lock according to the wiring instructions.
2. Ensure the magnet and armature plate align and the lock operates correctly.

What is inside the box?

