

## Q-Y500 (LED)



3 Years Warranty

## SURFACE MOUNTED MAGNETIC LOCK 1200LBS EM LOCK WITH LED INDICATOR



**Introducing the Q-Y500 (LED) Magnetic Lock: Uncompromised Security for Frameless Glass Doors**

### PRODUCT DESCRIPTION

The Q-Y500 (LED) Magnetic Lock offers unparalleled security with a remarkable holding force of up to 1200 pounds (500 kg) per lock, making it an ideal choice for high-security applications on frameless glass doors. This lock operates efficiently on both 12V and 24V DC power, ensuring compatibility with various security systems. Designed for automatic fire doors, it combines safety and reliability in one robust package, suitable for commercial buildings, offices, and high-security facilities.

### PRODUCT ADVANTAGES

- **Holding Force:** With a holding force of up to 1200 pounds (500 kg), this magnetic lock provides exceptional security, making it suitable for high-traffic and sensitive areas.
- **Power Supply:** Operates on both 12V and 24V DC, allowing flexibility in installation and ensuring reliable performance under various conditions.
- **Automatic Functionality:** Specifically designed for fire doors, this lock ensures that safety protocols are met without compromising security.

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### Advanced Security Features

The Q-Y500 (LED) Magnetic Lock is built to meet the highest standards of security:

- **Fail-Safe Operation:** Designed to unlock automatically during a power failure, ensuring safe egress in emergency situations.
- **High-Quality Construction:** Crafted with durable materials to withstand heavy usage and harsh conditions, guaranteeing long-term performance.
- **Versatile Use:** Ideal for frameless glass doors in commercial spaces, offices, and facilities where security and aesthetics are paramount.

### Easy Installation and Maintenance

- **Installation Flexibility:** The lock is designed for quick and easy installation on frameless glass doors, reducing installation time and costs.
- **Low Maintenance:** Engineered for durability, this lock requires minimal maintenance, ensuring long-lasting reliability and low operational costs.

### Secure, Scalable, and Future-Ready

- **Compatibility:** This lock integrates seamlessly with various access control systems, providing a scalable security solution for evolving needs.

### Designed and Manufactured with Precision

- The Q-Y500 (LED) magnetic Lock is a product of precise engineering and high-quality manufacturing, ensuring that you receive a security solution that embodies both innovation and craftsmanship.

### Why Choose the Q-Y500 (LED) Magnetic Lock?

With its powerful holding force, flexible power options, and specialized design for fire doors, the Q-Y500 (LED) Magnetic Lock is the ultimate choice for businesses and facilities looking for top-notch security solutions. Invest in a product that guarantees both safety and security, ensuring your premises are protected with unmatched reliability.

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### HARDWARE SPECIFICATIONS

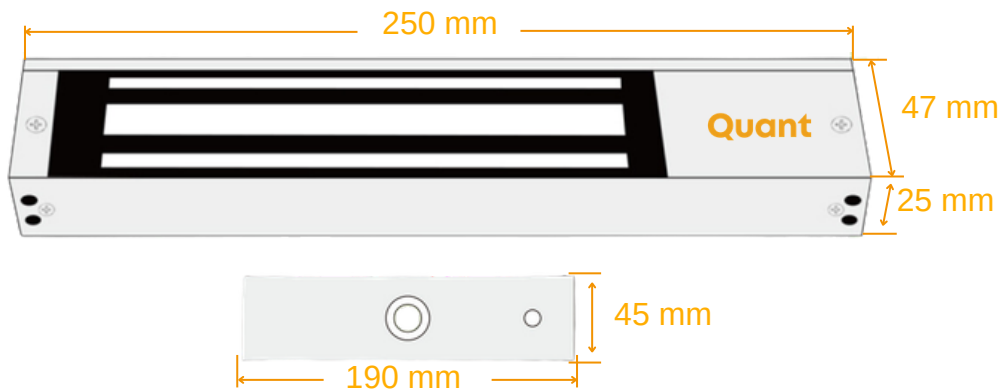
| Parameter             | Specification  |
|-----------------------|--|
| Model                 | Q-Y500 (LED)   |
| Feature               | Fail Safe, Timer delay, Feedback signal, Dual voltage  |
| Dimension             | Magnetic Lock size 250x47x25mm, Plate size: 190Lx45Wx11H (mm)                                  |
| Holding Force         | 500KG (1200LBS)  |
| Feedback              | Door Status Output, + / - / COM / NO / NC  |
| Voltage               | 12V/500mA x 2 or 24V/250mA x 2   |
| Working Current       | 400 at 12V DC or 200mA at 24V DC   |
| Operating Temperature | -10~+55°C(14-131F)   |
| Surface Temperature   | ≤20°C  |
| Suitable Humidity     | 0~90% (non-condensing)   |
| Weight                | 2kg  |
| Fail safe             | LED Indicator, Time-delay  |
| Material              | Finishes for shell: Anodized aluminum Finishes for magnet: Zinc<br>Finishes for Armature: Zinc |
| Advantage             | Low power consumption, high efficiency   |
| Application           | Metal doors, wooden doors, fireproof doors, glass door   |
| Lifespan              | 200,000 – 300,000 lifecycles   |
| Warranty              | 3 Years  |
| Certifications        | UL, CE, ROHS, CMA  |
| Place of Origin       | Malaysia   |

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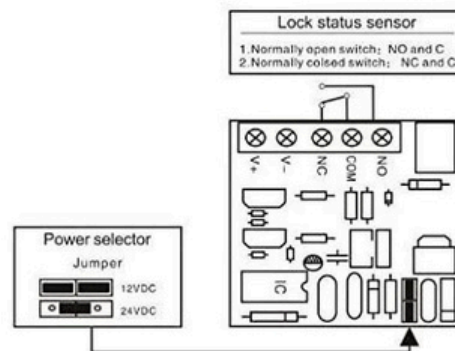
### DIMENSIONS



### Circuit Board Diagram

#### A. 12VDC Input:

Required power 0.42Amp (Minimum).  
 Connect the positive(+) lead from a 12 VDC power source to V+.  
 Connect the ground(-) lead from a 12 VDC power source to V-.  
 Check jumper for 12 VDC operation.



### Wire Connection

