

QFR-Y500 (LED)



FIRE RATED SURFACE MOUNTED MAGNETIC LOCK 1200LBS EM LOCK WITH LED INDICATOR



Introducing the Q-Y500-FR (Fire-Rated LED) Magnetic Lock: Enhanced Security for Fire-Rated Doors

PRODUCT DESCRIPTION

The QFR-Y500 (Fire-Rated LED) Magnetic Lock offers superior security with a holding force of up to 1200 pounds (500 kg), ideal for fire-rated doors in high-security applications. Designed to operate on both 12V and 24V DC power, it ensures seamless integration with various security systems. This lock is specifically engineered for fire-rated doors, combining safety, security, and compliance with fire safety standards, suitable for commercial buildings, offices, and critical facilities.

PRODUCT ADVANTAGES

- **Holding Force:** Provides a robust holding force of up to 1200 pounds (500 kg), ensuring high-level security for sensitive and high-traffic areas.
- **Power Supply:** Operates efficiently on both 12V and 24V DC, allowing versatile installation options.
- **Fire-Rated Design:** Built to meet fire safety regulations, this lock ensures compliance with fire-rated door standards without compromising security.

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Advanced Security Features

- **Fail-Safe Operation:** Automatically unlocks during a power failure, allowing safe egress in emergencies.
- **Fire-Rated Construction:** Crafted with fire-resistant materials to ensure durability and safety in fire situations.
- **Versatile Use:** Suitable for fire-rated doors in commercial spaces, offices, and facilities requiring both security and compliance with fire safety standards.

Easy Installation and Maintenance

- **Installation Flexibility:** Designed for quick and easy installation on fire-rated doors, minimizing installation time and costs.
- **Low Maintenance:** Durable construction reduces maintenance requirements, ensuring long-term reliability and cost efficiency.

Secure, Scalable, and Future-Ready

- **Compatibility:** Integrates seamlessly with various access control systems, offering a scalable security solution that adapts to evolving needs.

Why Choose the Q-Y500-FR (Fire-Rated LED) Magnetic Lock?

With its strong holding force, flexible power options, and specialized fire-rated design, the Q-Y500-FR (Fire-Rated LED) Magnetic Lock is the ideal choice for businesses and facilities prioritizing safety, security, and compliance. Invest in a product that offers unparalleled reliability while meeting fire safety standards.

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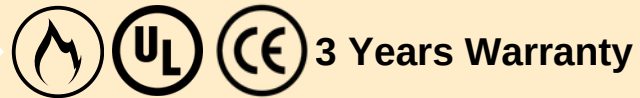


3 Years Warranty

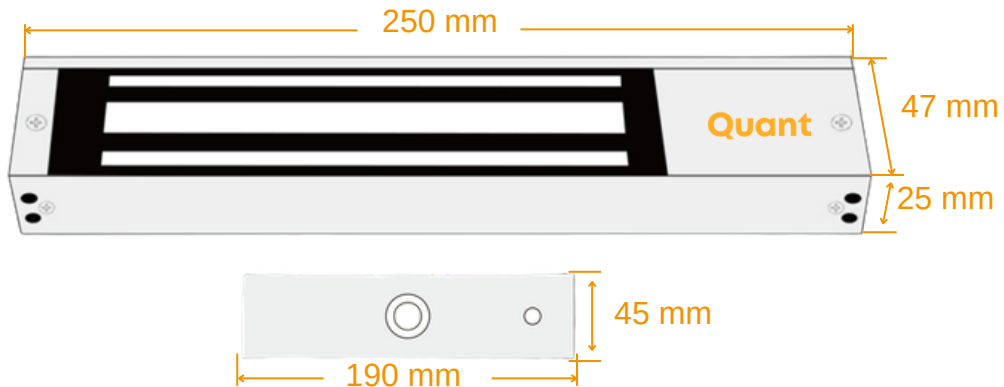
HARDWARE SPECIFICATIONS

Parameter	Specification
Model	QFR-Y500 (LED)
Feature	Fail Safe, Timer delay, Feedback signal, Dual voltage, Fire Rated
Dimension	250x47x25mm
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)
Holding Time	Up to 3 hours
Suitable Humidity	0~90% (non-condensing)
Weight	5 kg
Fail safe	LED Indicator, Time-delay
Material	Finishes for shell: Anodized aluminum Finishes for magnet: Zinc 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
Surface Temperature	≤20°C
Signal Output	Dry Contact, Max Rating of Contact Current 3A
Warranty	3 Years
Certifications	UL, CE, ROHS, CMA
Place of Origin	Malaysia

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DIMENSIONS



CIRCUIT BOARD DIAGRAM

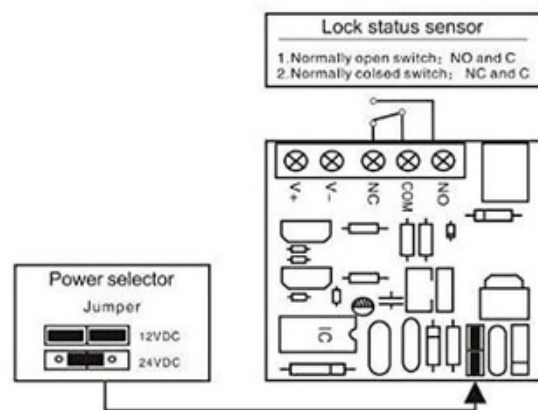
A. 12VDC Input:

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

