

ML280 & ML500 Single Door Magnetic Locks



Features

- Collinear load test: 280KG (600Lbs) / 500KG (1200Lbs), certified by UL (USA) and CE (EU)
- Supports dual voltage: 12VDC or 24VDC (optional)
- Built-in reverse current protection device (MOV)
- Housing made of high-strength anodized aluminum alloy
- Anti-residual magnetism design with wear-resistant materials
- Dual insulative housing for increased holding force
- Pure electromagnetic suction with no mechanical failure

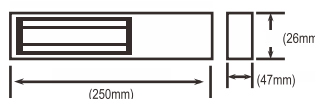
The ML280 and ML500 have passed 280kg (600lbs) and 500kg (1200lbs) holding force tests, supporting both 12VDC and 24VDC dual voltage input. Each unit is equipped with a built-in reverse current protection device for enhanced safety and adaptability.

Designed with anti-residual magnetism and wear-resistant materials, the locks ensure long-term reliable performance.

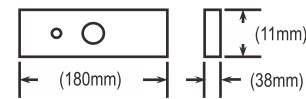
Both models deliver up to 20% stronger holding force compared to conventional products and are certified by UL (USA) and CE (EU), fully meeting international safety standards. With pure electromagnetic suction and no mechanical wear, the ML280 and ML500 provide stable operation and are widely applied in airports, subways, banks, prisons, intelligent buildings, and smart communities—earning the trust of global users.

ML 280

Electromagnet

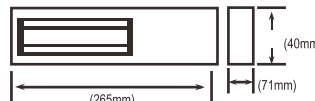


Armature Plate

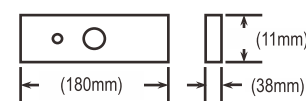


ML 500

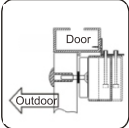

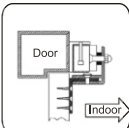

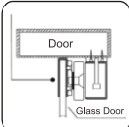

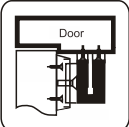

Electromagnet



Armature Plate



PRODUCT MOUNTING BRACKET

<p>L Mounting Bracket</p> <p>For doors with a width of less than 42mm, the armature plate cannot be properly installed. An additional L-shaped bracket is required.</p>  	<p>ZL Mounting Bracket</p> <p>For in-swing doors, install the lock body on the inside and use the ZL bracket simultaneously.</p>  
<p>U Mounting Bracket</p> <p>When installing magnetic locks on glass doors (10-15mm thick), an additional U bracket is required.</p>  	<p>Armature Plate Bracket</p> <p>For thicker doors, it is necessary to use the dedicated armature plate bracket.</p>  

SPECIFICATIONS

Model	ML 280	ML 500
Product Type	Single Door Magnetic Lock	
Lock Dimensions	250X47X26 mm	265X71X40 mm
Armature Plate Dimensions	180X38X11 mm	185X60X13 mm
Holding Force	280kg(600lbs)*2	500kg(1200lbs)*2
Signal Output	Yes	
Input Voltage	DC 12V or DC 24V	
Operating Current	12V/480mA*2, 24V/240mA*2	12V/600mA*2, 24V/300mA*2
Applicable Door Types	Wooden, Glass, Metal, and Fire-Rated Doors	
Time Delay	No	No
Security Type	Fail Safe	
Weight	2kg	4.5kg



For detailed specifications and functions, please refer to the User Manual. In the event of any inconsistency, the contents of the User Manual shall prevail.

*Weight and dimensions are approximate and subject to change without prior notice.