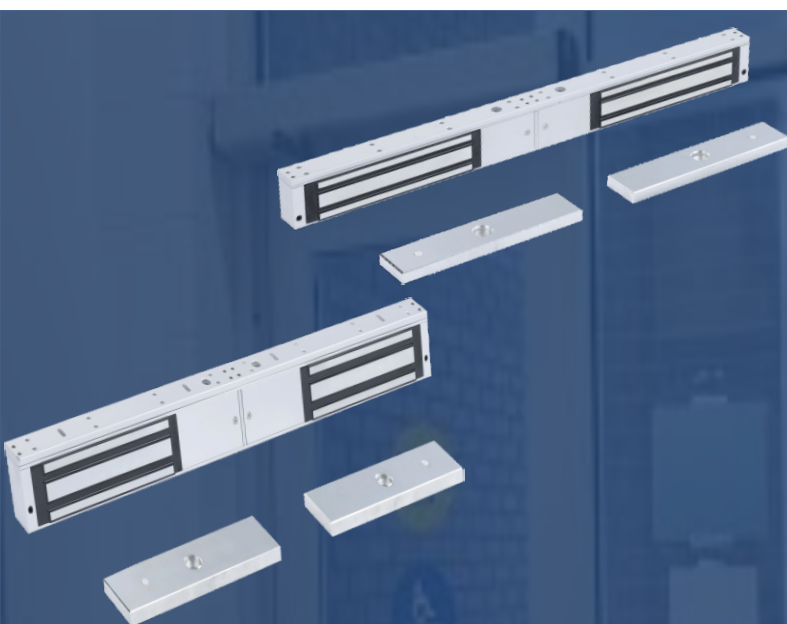


### ML280D & ML500D Double Door Magnetic Locks



#### Features

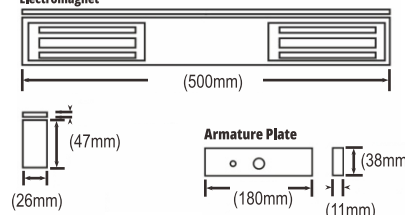
- Collinear load test: 280KG (600Lbs) / 500KG (1200Lbs), certified by UL (USA) and CE (EU)
- Supports dual voltage: 12VDC or 24VDC (optional)
- Built-in reverse current protection device (MOV)
- Housing made of high-strength anodized aluminum alloy
- Anti-residual magnetism design with wear-resistant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

The ML280D and ML500D 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.

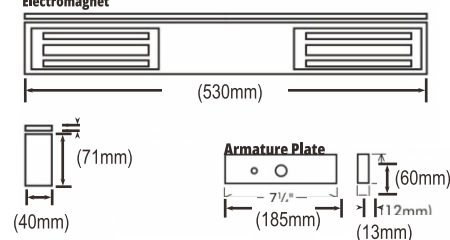
Designed with anti-residual magnetism and wear-resistant materials, the locks ensure long-term reliable performance.

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 ML280D and ML500D provide stable operation and are widely applied in airports, subways, banks, prisons, intelligent buildings, and smart communities—earning the trust of global users.

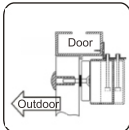

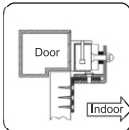

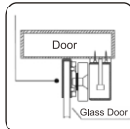
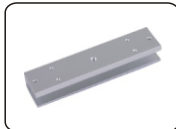
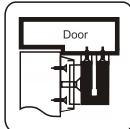

**ML 280D**  
Electromagnet



**ML 500D**  
Electromagnet



### PRODUCT MOUNTING BRACKET

<p><b>L Mounting Bracket</b></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><b>ZL Mounting Bracket</b></p> <p>For in-swing doors, install the lock body on the inside and use the ZL bracket simultaneously.</p>  
<p><b>U Mounting Bracket</b></p> <p>When installing magnetic locks on glass doors (10–15mm thick), an additional U bracket is required.</p>  	<p><b>Armature Plate Bracket</b></p> <p>For thicker doors, it is necessary to use the dedicated armature plate bracket.</p>  

### SPECIFICATIONS

Model	ML 280D	ML 500D
<b>Product Type</b>	Double Door Magnetic Lock	
<b>Lock Dimensions</b>	500X47X26 mm	530X71X40 mm
<b>Armature Plate Dimensions</b>	180X38X11 mm	185X60X13 mm
<b>Holding Force</b>	280kg(600lbs)*2	500kg(1200lbs)*2
<b>Signal Output</b>	Yes	
<b>Input Voltage</b>	DC 12V or DC 24V	
<b>Operating Current</b>	12V/480mA*2, 24V/240mA*2	12V/600mA*2, 24V/300mA*2
<b>Applicable Door Types</b>	Wooden, Glass, Metal, and Fire-Rated Doors	
<b>Time Delay</b>	No	Yes
<b>Security Type</b>	Fail Safe	
<b>Weight</b>	4kg	9kg



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.