



M420/M422

High Security Series Electromagnetic Lock

Overview

The M400 Series line of electromagnetic locks from Schlage are designed with the customer in mind to be robust, easy to install, and secure. The new bayonet mounting feature makes installs easier, allowing the installer to have their hands free during the mounting process. There is no need to consider door handing as all the M400 Series electromagnetic locks are both non-handed and symmetrical, allowing optimum placement of the magnet no matter the application.

All M400 Series locks have automatic voltage sensing for 12 and 24 volts along with polarity protection to make wiring less complex. The M420 is tested and certified to meet or exceed UL1034 227kg hold force requirements.

The M420 electromagnetic lock comes in two configurations to meet your specific security needs. The M420 provides basic security, while the M420P, which is our standard option, provides intelligent sensing and reporting features needed to integrate with access control systems. Additional options are available for the M420P. Kits are available for top jam, double door, and glass door applications.



Features

- Bayonet mount makes installation simpler by not requiring magnets to be held overhead while mounting screws are installed
- New design allows for RH/LH configuration in the field
- Armature mount allows armature to pivot compensating for slight opening imperfections
- Limited Lifetime Warranty
- UL1034 certified
- 227kg Hold Force

ADDITIONAL FEATURES

M420/M422

- **Automatic Voltage Selection (AVS)** senses the voltage applied to the lock and responds accordingly

M420P/M422P

- **Magnetic Bond Sensor (MBS)** monitors the strength of the bond between the lock and armature so you know the door is secure
- **Door Position Switch (DPS)** monitors whether the door is open or closed
- **Relock Time Delay (RTD)** provides a relock delay that is adjustable from 0.5 to 30 seconds

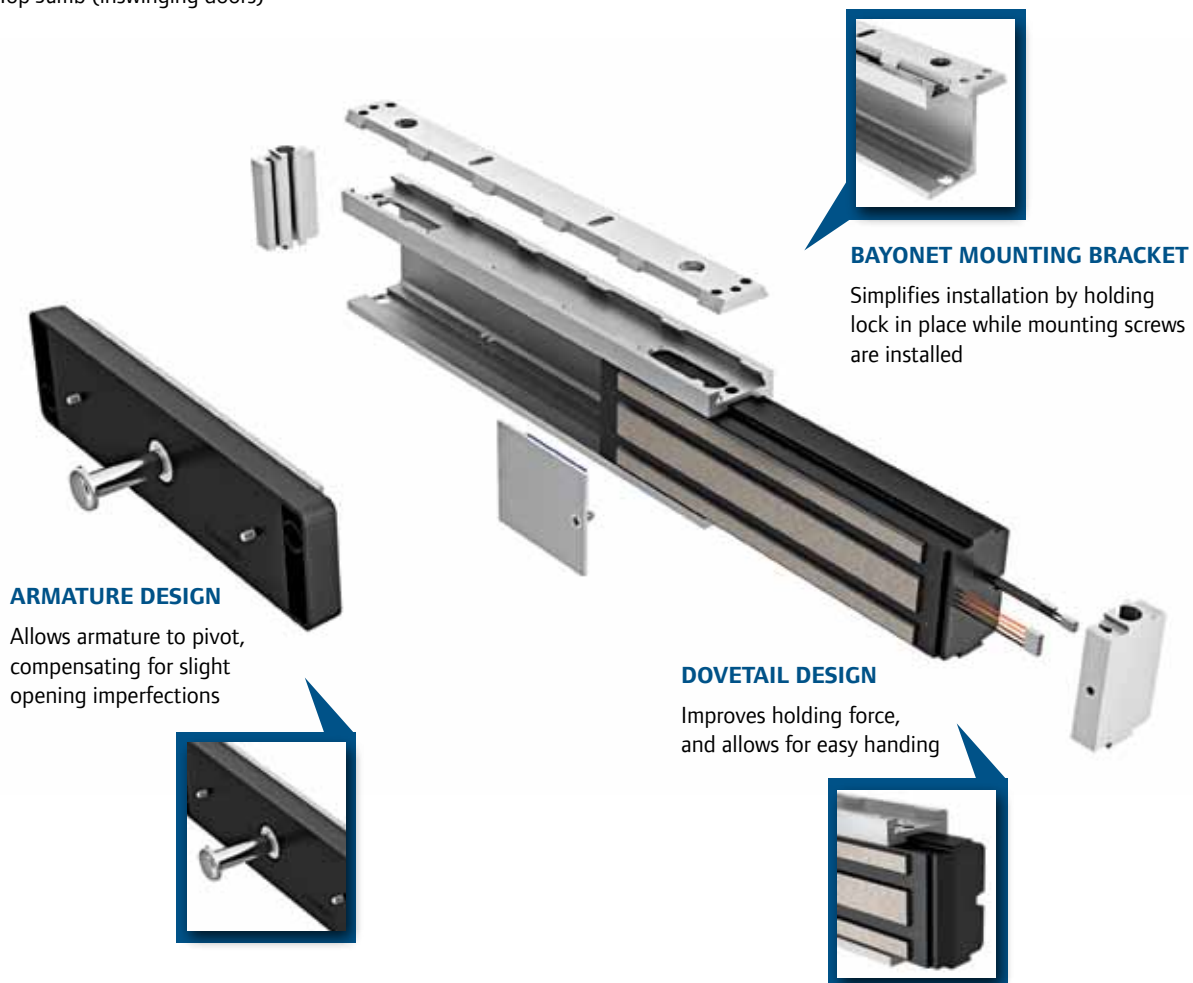
Optional (P models only)

- **Anti-Tamper Switch (ATS)** provides an indication that the cover of the magnet is securely fastened to the lock and that the on board circuitry is secure
- **MBS Indicator (LED)** provides visual indication of magnetic bond at the lock

M420/M422 Electromagnetic Lock Specifications		
Specification	M420/M420P	M422/M422P
Holding Force	meets or exceeds 227kg	227kg per door leaf
Input Voltage (Standard Unit)	12/24 VDC	
Current Draw (Amps Standard Unit)	.75A @ 12 VDC .38A @ 24 VDC	1.5A @ 12 VDC .76A @ 24 VDC
Automatic Dual Voltage	12/24 VDC	
Height	64mm	64mm
Length	228mm	459mm
Width	38mm	38mm
Weight (approximate)	2.7kg	5.4kg
Certifications	UL1034, UL10C, ANSI/BHMA156.23	
Temperature	0°-49° C	
Wire Gauge	14-22 AWG	

OPTIONS (for all)

- Herculite Door Bracket
- Top Jamb (inswinging doors)



BAYONET MOUNTING BRACKET

Simplifies installation by holding lock in place while mounting screws are installed

ARMATURE DESIGN

Allows armature to pivot, compensating for slight opening imperfections

DOVETAIL DESIGN

Improves holding force, and allows for easy handling