



M490G

Electromagnetic Gate Lock

Overview

The Schlage M490G Electromagnetic Gate Lock is a weather resistant electromagnetic lock with 1500 lbs. of holding force, designed for use on all types of sliding and swinging gates. As a high security magnetic lock it can accommodate misalignment problems while supplying superior holding force.

A 1/2" compression connector is provided for installation of 1/2" EMT conduit, insuring protection of hook-up wiring from weather and vandalism. Heavy duty plating resists corrosion of mating surfaces providing a low maintenance locking device.

A modified Top Jamb mounting bracket allows a single M490G to be mounted in a variety of positions. The M490G Gate Lock may be mounted to any gate frame or post. Special brackets may be required to adapt the lock to a particular frame or post. It is important that the lock is mounted so that the armature pulls straight back from the magnet face.

The M490G can be field configured for either 12 or 24 VDC operation. Magnetic Bond Sensor (MBS) and Gate Status Monitor (DPS) are standard.



System Components
M490G Magnetic Gate Lock

Features and Benefits

- 1500 lbs. of direct holding force
- Magnetic Bond Sensor (MBS) and Gate Status Monitor (DPS)
- Field Selectable 12 or 24VDC operation
- Built-in voltage spike suppressor
- Electroless nickel plated finish
- Universal mounting brackets
- 1/2" EMT compression fitting
- Two foot wire leads
- Weather resistant for exterior use
- Accomodates gate misalignment
- No moving parts - low maintenance

STANDARD FEATURES

M490G

- **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
- **Universal Mounting Brackets**, for swinging or sliding gate applications
- **Built in voltage spike suppression**
- **½" EMT compression fitting**
- **Special corrosion resistant plating**

M490G Electromagnetic Gate Lock Specifications	
Specifications	M490/M490G
Holding Force	Meets or exceeds BHMA standard of 1500 lbs.
Input Voltage (Field Selectable)	12/24 VDC
Current Draw (Amps Standard Unit)	.65A @ 12 VDC .35A @ 24 VDC
Height	3"
Length	11"
Width	1-3/4"
Weight (approximates)	14 lbs.
Temperature	0°- 49° C (32°- 120° F)
Wire Gauge	14-22 AWG

Filler Plates	
Electromagnetic Lock	M490G
Length	9"
Width x Height	Plate No.
1-1/4" x 1/8"	49G1F
1-1/4" x 1/4"	49G2F
1-1/4" x 3/8"	49G3F
1-1/4" x 1/2"	49G4F
1-1/4" x 5/8"	49G5F
1-1/4" x 3/4"	49G6F
3/4" x 1/2"	49G7F
3/4" x 5/8"	49G8F

Angle Brackets	
Electromagnetic Lock	M490G
Length	9"
Width x Height	Bracket No.
1" x 1"	49G1A
1-1/2" x 1"	49G2A
1-1/2" x 1-1/2"	49G3A
1-1/2" x 2"	49G4A
1-1/2" x 2-1/2"	49G5A

