ALLEGION

SCHLAGE

M490DE

Delayed egress electromagnetic lock



Overview

The Schlage M490DE delayed egress electromagnetic lock is designed to meet NFPA 101 Life Safety Code while providing the same robust, easy-to-install, security of our M400 Series magnetic locks. The M490DE has a 15-second delayed egress timer with audible alarm which can be configured to trigger by an internal “plunger switch,” or by external contacts, such as a request-to-exit push bar.

All M400 Series electromagnetic locks are symmetrical with field-selectable handing, allowing optimum placement of the magnet no matter the application. They are designed to provide automatic voltage sensing for 12 and 24 volts along with polarity protection to make wiring less complex. M490DE models are tested and certified to meet or exceed UL special locking arrangements and BHMA 1500 lb hold force requirements.

M490DE electromagnetic locks come in four configurations to meet your specific security needs. Single and double door models are offered in standard configurations. Plus versions of these models with “P” designations add intelligent sensing and reporting features needed to integrate with access control systems.

This easy-to-install, cost effective solution provides maximum access security and safety.

Features and benefits

- 1500 lb. hold force rating for maximum security applications
- 15 second delay - activated by internal plunger switch or auxiliary input
- LED Indication with audible alerts
- Release input, reset input, fire alarm input
- Plus models offer magnetic bond sensor (MBS), adjustable relock time delay (RTD) and door position switch (DPS)
- Automatic voltage selection (AVS)
- Bayonet mount simplifies installation by eliminating the need to hold lock overhead while securing
- Armature pivot feature compensates for slight opening imperfections
- Aluminum housing in 628 satin finish
- UL special locking arrangements, UL 10C, cUL, CSFM certifications
- Meets NFPA 101 life safety code
- BOCA compliant option available
- Limited lifetime warranty on magnetic coil assembly

Standard features

ALL MODELS

- **Auto Voltage Selection (AVS)** senses the voltage applied to lock and responds accordingly
- **Internal plunger switch** activates delayed egress timer

Optional accessories

- Herculite door bracket kit (HDB)

M490DEP/M490DEP-2

- **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
- **BOCA compliant** (upon request) with options for 15- or 30-second time delay

Ordering information

STANDARD MODELS

- **M490DE** - Single lock, 15-second delay
- **M490DE-2** - Double lock, separate housing, 15-second delay

Optional preset

- **M490DE-30S** - Single lock, factory set 30-second delay (requires fire marshal letter of approval)

PLUS MODELS

- **M490DEP** - Single lock, 15-second delay
- **M490DEP-2** - Double lock, 15-second delay
- **M490DEP-BC** - BOCA compliant single lock, factory set 15-second delay with auto re-armed and locked state after door is opened and re-closes
- **M490DEP-BC30S** - BOCA compliant single lock, factory set 30-second delay with auto re-armed and locked state after door is opened and re-closes (requires fire marshal letter of approval)

M490DE electromagnetic delayed egress lock specifications

Specification	M490DE/M490DEP	M490DE-2/M490DEP-2
Holding force	Meets or exceeds BHMA standard of 1500 lbs	Meets or exceeds BHMA standard of 1500 lbs per door leaf
Input voltage (auto selected)	12/24 VDC	12/24 VDC
Current draw	.75A @ 12 VDC .45A @ 24 VDC	1.25A @ 12 VDC .76A @ 24 VDC
Height	3"	3"
Length	12 1/2"	25 1/16"
Depth	3 1/16"	3 1/16"
Weight (approximate)	16 lbs	32 lbs
Certifications	UL special locking arrangement, UL10C, cUL, CSFM	
Temperature	0º to 49ºC (32º to 120º F)	0º to 49ºC (32º to 120º F)
Wire gauge	14-22 AWG	14-22 AWG

Filler plates

Length	12 1/2"
Width x Height	Plate no.
1 1/4" x 1/8"	4901F
1 1/4" x 1/4"	4902F
1 1/4" x 3/8"	4903F
1 1/4" x 1/2"	4904F
1 1/4" x 5/8"	4905F
3/4" x 1/2"	4906F
3/4" x 5/8"	4907F
3/4" x 3/4"	4908F

Angle brackets

Length	12 1/2"
Width x Height	Bracket no.
1" x 1"	4901A
1 1/2" x 1"	4902A
1 1/2" x 1 1/2"	4903A
1 1/2" x 2"	4904A
1 1/2" x 2 1/2"	4905A

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit **www.allegion.com.**

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