

DORMA EML371 & EML372 surface mini electromagnetic locks are low profile for interior traffic control.

These small electromagnetic locks install perfectly alongside most automatic door operators or stop-mounted door hardware, reducing installation time and eliminating the need for extra brackets. The 1-7/8" width helps keep undersized openings within code. This is the ideal magnet for use on narrow-style aluminum doors.

The EML372 version is especially useful on pairs of doors without mullions.

DORMA Solutions

- Up to 750 lb (340 kg) holding force
- Larger LED size for better visibility (BA DP version only)
- Low energy consumption
- Field selectable voltage – 12/24 VDC
- Stabilizing 4 bolt mounting (8-bolt for EML372)
- Adjustable keyhole mounting
- MOV surge protection
- No residual magnetism
- Easy-access wiring cavity
- Hardened steel armature nut
- 628 brushed anodized aluminum lock body

NOTE: When installed on access-controlled egress door assemblies, per NFPA101, must use **Push to Exit** labeled manual release device. DORMA push-button models PBEP, PB72, or PB73 are recommended.

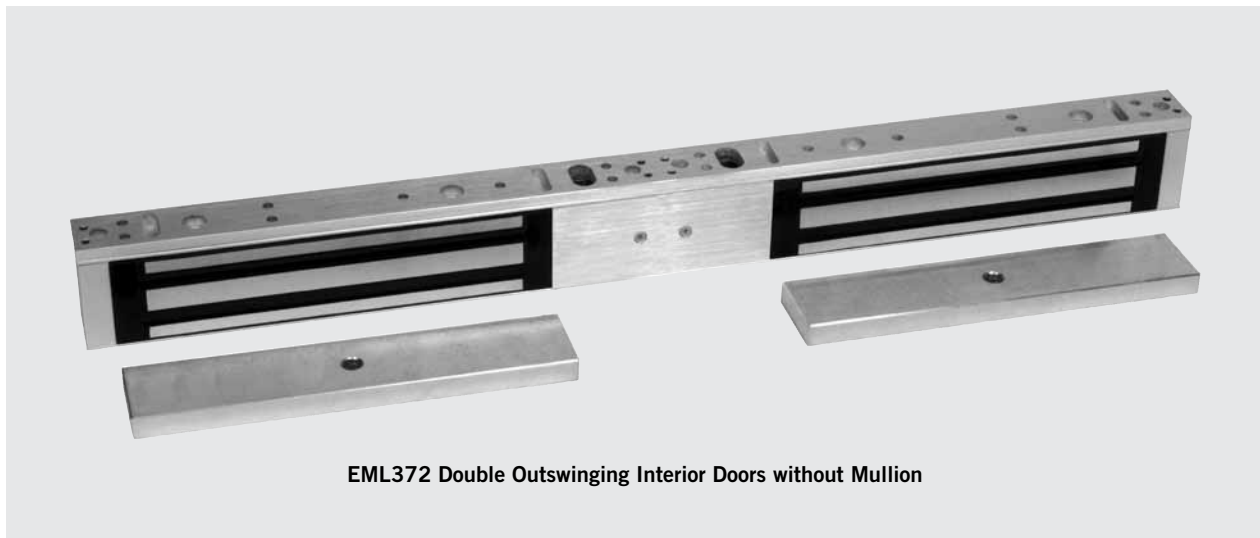


EML371 Single Outswinging Interior Doors



Listings & Approvals

- UL/CUL listed under their continuing reinspection programs and conforms to standards UL 10C and GWXT positive pressure fire testing, 3 hour fire rated
- ANSI/BHMA 156.23, Grade 1 pending
- CSFM pending
- Contributes to U.S. Green Building Council, LEED® MR Credits 2.1 4.1, 4.2, and 5.1



EML372 Double Outswinging Interior Doors without Mullion

Finish¹

Plated

- Brass: 605 (Bright) or 606 (Satin)
- Bronze: 613 (Oxidized Satin)
- Chrome: 625 (Bright) or 626 (Satin)

Painted

- Bronze: 691 (Dull)
- Black: 693
- Gold: 696 (Satin)

1. Lock body supplied in 628. All other finishes supplied as a cover.

Optional Mounting Accessories

- Armature plate holders
- Angle brackets
- Filler bars
- Glass door brackets
- Spacers
- Top Jamb **Z** bracket kits for inswinging doors
- Magnet housing cover wraps—**MCW371** or **MCW372** (specify finish)

Options

DP—Door position sensor

BA DP—Door position/bond alert sensor combination

Specifications	EML371	EML372
Housing Dimensions	1" D × 1-7/8" W × 9-3/8" L (25.4 mm × 47.6 mm × 238.1 mm) (including 3/16" (4.8 mm) mounting bracket)	1" D × 1-7/8" W × 18-3/4" L (25.4 mm × 47.6 mm × 476.3 mm) (including 3/16" (4.8 mm) mounting bracket)
Armature Plate Dimensions	7/16" D × 1-1/2" W × 7-1/4" L (11.1 mm × 38.1 mm × 184.2 mm)	7/16" D × 1-1/2" W × 7-1/4" L (11.1 mm × 38.1 mm × 184.2 mm)
Voltage	Field selectable 12/24 VDC Tolerance ±10%	Field selectable 12/24 VDC Tolerance ±10%
Power/Current Requirements	Max 0.52 A at 12 VDC Max 0.26 A at 24 VDC	Max 0.52 A at 12 VDC (each lock) Max 0.26 A at 24 VDC (each lock)
Holding Force	One-point locking (750 lb)	Two-point locking (750 lb each point)
Output Relays	BA (with LED)—SPDT 1.0 A @ 24 VDC DP—SPDT 0.20 A @ 12 VDC and 0.12 A @ 24 VDC	BA (with LED)—SPDT 1.0 A @ 24 VDC (each lock) DP—SPDT 0.20 A @ 12 VDC and 0.12 A @ 24 VDC (each lock)
Wiring Requirements	2 wires—power input; up to 5 wires output	2 or 4 wires—power input; up to 5 or 10 wires output
Operating Temperature	14 to 140° F (-10 to 60° C)	14 to 140° F (-10 to 60° C)

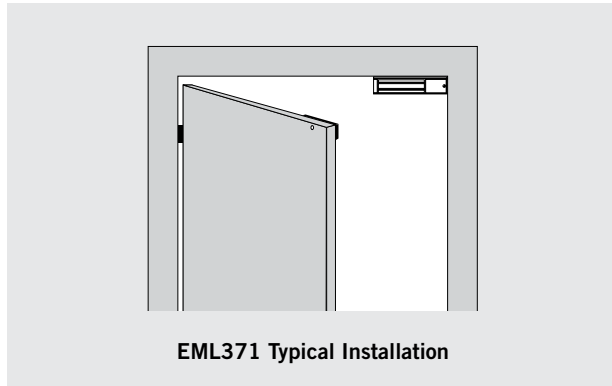
NOTE: DORMA recommends frame reinforcement and our filtered, regulated DC voltage PS500 Series power supplies.

Function	Function Descriptions
Door Position Sensor (DP)	Ceramic magnet-reed type sensor for remote indication of door status (opened or closed, independent of local power); magnet embedded in armature for tamper resistance; reed switch inside electronic housing cavity for easy access.
LED Indicator	Included with BA options, the LED gives a local indication of lock status: red—unsecured; green—secured.

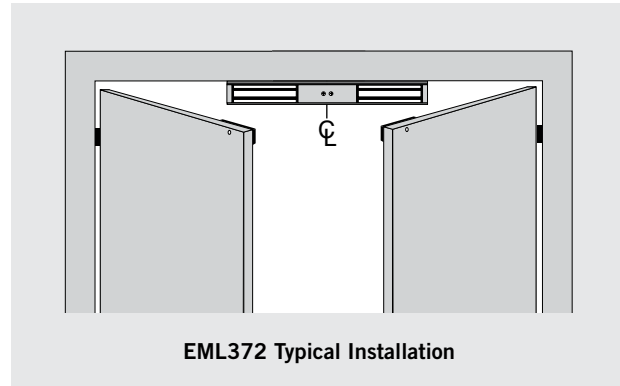
How to Order EML371/EML372 Series

Series Electromagnetic Locks		Options		Finish¹		Mounting Brackets²		Glass Door Brackets	
EML		Door Position Sensor DP	BA DP	696 — Gold	693 — Black	TJ72 — Top Jamb Bracket (EML372)	TJ71 — Top Jamb Bracket (EML371)	GDB726 — 3/4" (EML372)	GDB724 — 1/2" (EML372)
Bond Alert w/Door Position Sensor				691 — Dull Bronze	628 — Clear Anodized Aluminum	AB723 — 1-1/2"H x 2"W x 18-3/4"L	AB722 — 1-1/2"H x 1-1/2"W x 18-3/4"L	GDB716 — 3/4" (EML371)	GDB714 — 1/2" (EML371)
				626 — Satin Chrome	625 — Bright Chrome	AB721 — 1-1/2"H x 1"W x 18-3/4"L	AB720 — 1"H x 1"W x 18-3/4"L		
				613 — Oxidized Satin Bronze	606 — Satin Brass	AB713 — 1-1/2"H x 2"W x 9-3/8"L	AB712 — 1-1/2"H x 1-1/2"W x 9-3/8"L		
				605 — Bright Brass	606 — Satin Brass	AB711 — 1-1/2"H x 1"W x 9-3/8"L	AB710 — 1"H x 1"W x 9-3/8"L		
EML 371		628							
Single Door, 750 lb	371	1/4"H x 3/4"W x 9"L	FB712	EML371	APH71	2-1/4"-2-3/4" Doors	AMB225		
Double Door, 750 lb	372	3/8"H x 3/4"W x 9"L	FB713	EML372	APH72	1-3/4"-2-1/4" Doors	AMB275		
Model		1/2"H x 3/4"W x 9"L	FB714	Armature Plate Holders²		2-3/4"-3" Doors	AMB300	Armature Bolts	
		5/8"H x 3/4"W x 9"L	FB715						
		1/4"H x 3/4"W x 18-3/4"L	FB722						
		1/2"H x 3/4"W x 18-3/4"L	FB724						
		5/8"H x 3/4"W x 18-3/4"L	FB725						
		1/2"H x 1"W x 9-3/8"L	BSS714						
		5/8"H x 1"W x 9-3/8"L	BSS715						
		1/2"H x 1"W x 18-3/4"L	BSS724						
		5/8"H x 1"W x 18-3/4"L	BSS725						
		1/4"H x 13/16"W x 6-9/16"L	BSS752						
				Fillers/Spacers²					

1. Lock body supplied in 628. All other finishes supplied as a cover.
2. Specify 628 or 695 finish, except BSS752 available in 628 only.



EML371 Typical Installation



EML372 Typical Installation

NOTE: A minimum distance of 1-5/8" (41.3 mm) is required without the need of a mounting accessory. Should you require a mounting accessory please see our literature or contact Customer Service.

DORMA also offers a complete line of Electromagnetic Locks, Electric Strikes, Door Controls, Power Supplies, Switches, Keypads & Readers, Exit Devices, Systems & Door Hardware.

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