DORMA EML371 & EML372 SURFACE MINI ELECTROMAGNETIC LOCKS

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.

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

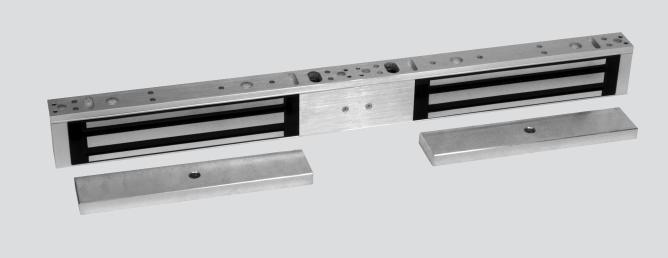
EML371 Single Outswinging Interior Doors



Larger LED Size for Better Visibility (Bond Alert versions only)



EML372 Double Outswinging Interior Doors without Mullion





EML371 EML372 ELECTROMAGNETIC LOCKS



Specifications	EML371	EML372			
Housing Dimensions	1" D × 1-7/8" W × 9-3/8" L	1" D × 1-7/8" W × 18-3/4" L			
	(25.4 mm × 47.6 mm × 238.1 mm)	(25.4 mm × 47.6 mm × 476.3 mm)			
	(including 3/16" (4.8 mm) mounting bracket)	(including 3/16" (4.8 mm) mounting bracket)			
Armature	7/16" D × 1-1/2" W × 7-1/4" L	7/16" D × 1-1/2" W × 7-1/4" L			
Plate Dimensions	$(11.1 \text{ mm} \times 38.1 \text{ mm} \times 184.2 \text{ mm})$	(11.1 mm × 38.1 mm × 184.2 mm)			
Voltage	Field selectable 12/24 VDC	Field selectable 12/24 VDC			
	Tolerance ±10%	Tolerance ±10%			
Power/Current	Max 0.52 A at 12 VDC	Max 0.52 A at 12 VDC (each lock)			
Requirements	Max 0.26 A at 24 VDC	Max 0.26 A at 24 VDC (each lock)			
Holding Force	One-point locking	Two-point locking			
	(750 lb)	(750 lb each point)			
Output Relays	BA (with LED)—SPDT 1.0 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	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 PS53 Series power supplies.

Function	Description
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.

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

Optional Mounting Accessories

- Angle bracketsArmature plate holders
- 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 (retrofit kits available)BA DP—Bond alert/door position sensor combination



HOW TO ORDER EML371/EML372 SERIES

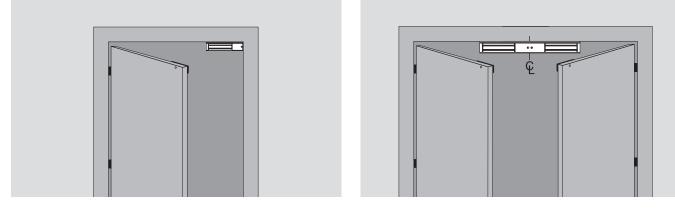
	Painted			Mounting	g Brackets ²		
		Finish ¹		TJ72	— Top Jamb Bracket (EML37	/2)	
		696	— Gold	TJ71	— Top Jamb Bracket (EML37	(1)	
	Plated	693	— Black	AB723	— 1-1/2"H × 2"W × 18-3/4"L	-	
		691	— Dull Bronze	AB722	— 1-1/2"H × 1-1/2"W × 18-3	3/4"L	
		628	Clear Anodized Aluminum	AB721	— 1-1/2"H × 1"W × 18-3/4"L	-	
626 — Sati			— Satin Chrome	AB720	— 1"H × 1"W × 18-3/4"L	Glass Door	r Brackets
		625	— Bright Chrome	AB713	— 1-1/2"H × 2"W × 9-3/8"L	GDB726	— 3/4" (EML372)
Series	Options	613	Oxidized Satin Bronze	AB712	— 1-1/2"H × 1-1/2"W × 9-3/	8"L GDB724	— 1/2" (EML372)
Electromagnetic Bond Alert w/Door Locks Position Sensor	BA DP	606	— Satin Brass	AB711	— 1-1/2"H × 1"W × 9-3/8"L	GDB716	— 3/4" (EML371)
EML Door Position	DP	605	— Bright Brass	AB710	— 1"H × 1"W × 9-3/8"L	GDB714	— 1/2" (EML371)
EML 371		628					
Single Door, 371	1/4"H × 3	3/4"W × 9"L	- FB712	EM	L371 — APH71	2-1/4"-2-3/4" Doo	rs – AMB225
Double Door, 75015 7501b - 372	3/8"H × 3	3/4"W × 9"L	L- FB713	EM	L372 — APH72	1-3/4"-2-1/4" Doo	rs - AMB275
Model	1/2"H×3	3/4"W × 9"L	L - FB714	Armatur	e Plate Holders ²	2-3/4"-3" Doo	rs - AMB300
	5/8"H × 3	3/4"W × 9"L	- FB715			1	Armature Bolts
	1/4"H × 3/4"W	× 18-3/4"L	L- FB722				
	1/2"H × 3/4"W	× 18-3/4"l	- FB724				
	5/8"H × 3/4"W	× 18-3/4"l	- FB725				
	1/2"H × 1"\	V × 9-3/8"L	L- BSS714				
	5/8"H × 1"\	V × 9-3/8"L	BSS715				
	1/2"H × 1"W	× 18-3/4"l	L- BSS724				
	5/8"H ×1"W	× 18-3/4"L	L- BSS725				
	1/4"H × 13/16"W	× 6-9/16"l	BSS752				
		Fi	illers/Spacers ²				

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.

www.dorma.com



DORMA USA, Inc. Dorma Drive, Drawer AC Reamstown, PA 17567 Tel: 800 523 8483 Fax: 800 274 9724 archdw@dorma-usa.com DORMA Canada 1680 Courtney Park Drive, Unit 13 Mississauga, Ontario L5T 1R4 Tel: 800 387 4938 Fax: 905 670 5850 www.dormacanada.com DORMA Mexico Calle Sur 110 no. 63, Col. Tolteca 01150 México, D.F. Tel: 5255 5272 6937 Fax: 5255 5272 6948 operacion@dorma.com.mx

