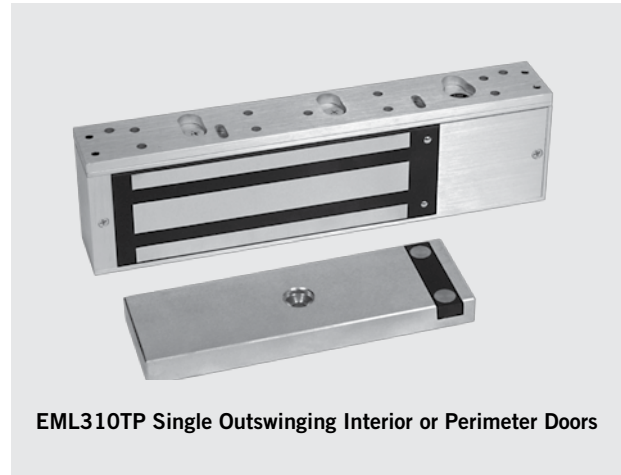


DORMA EML310TP & EML320TP electromagnetic locks with unrecognized armature plate alarm are the ideal solution for loss prevention from inside sources.

This intelligent magnet recognizes its own armature plate, preventing anyone from tricking the magnet with a separate plate. Each individually encoded armature plate is registered to match its own electromagnetic lock. Two independent relay outputs allow for lock status and alarm status for local and/or remote indication.



EML310TP Single Outswinging Interior or Perimeter Doors

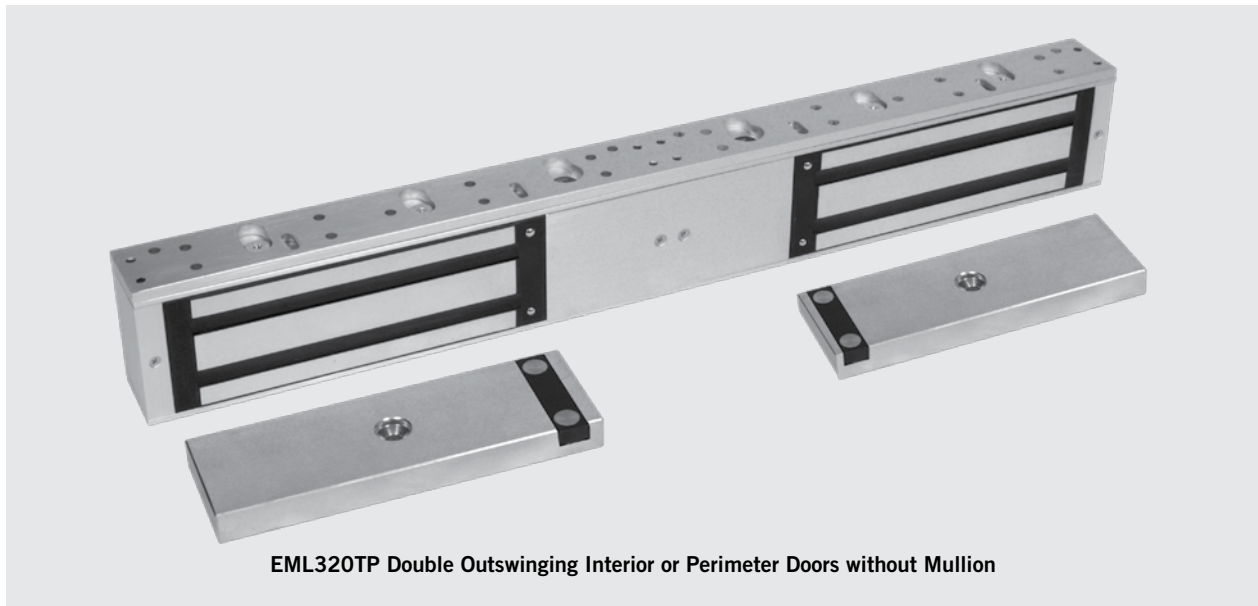
DORMA Solutions

- Up to 1500 lb (680 kg) holding force
- Unrecognized armature plate alarm
- Built-in time delay for instant release with adjustable re-lock
- Alarm time setting
- Individually encoded armature
- LSS—Lock status sensor (includes LED)
- Field selectable voltage—12/24 VDC
- Adjustable keyhole mounting
- MOV surge protection
- No residual magnetism
- Self-drilling tek™ fasteners
- Easy-access wiring cavity
- Stabilizing 4-bolt mounting (8-bolt for EML320TP)
- Adjustable re-lock time delay
- 628 brushed anodized aluminum lock body finish

Listings & Approvals

- UL/CUL listed under their continuing reinspection programs and conforms to standards UL 10C and GWXT positive pressure fire testing, 1 hour fire rated pending
- 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

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.



EML320TP Double Outswinging Interior or Perimeter 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.

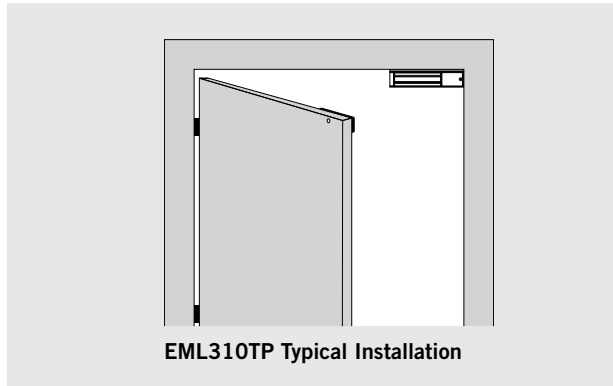
Optional Mounting Accessories

- Angle brackets
- Armature plate holders
- Filler bars
- Glass door brackets
- Spacers
- Top jamb **Z** bracket kits for inswinging doors
- Armature bolts
- **L** brackets
- Magnet housing cover wraps—**MCW310** or **MCW320** (specify finish)

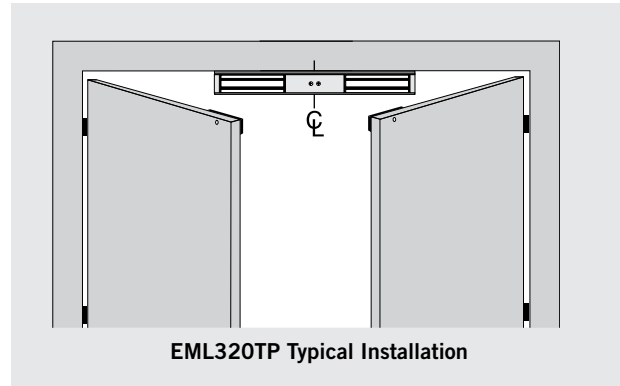
Specifications	EML310TP	EML320TP
Housing Dimensions	1-5/8" D × 2-7/8" W × 10-1/2" L (41.3 mm × 73.0 mm × 266.7 mm) (including 1/4" (6 mm) mounting bracket)	1-5/8" D × 2-7/8" W × 21" L (41.3 mm × 73.0 mm × 533.4 mm) (including 1/4" (6 mm) mounting bracket)
Armature Plate Dimensions	Standard: 5/8" D × 2-3/8" W × 7-7/16" L (15.9 mm × 60.3 mm × 188.9 mm)	Standard: 5/8" D × 2-3/8" W × 7-7/16" L (15.9 mm × 60.3 mm × 188.9 mm)
Voltage	Field selectable 12/24 VDC Tolerance ±10%	Field selectable 12/24 VDC Tolerance ±10%
Power/Current Requirements	Max 0.59 A at 12 VDC Max 0.29 A at 24 VDC	Max 0.59 A at 12 VDC (each lock) Max 0.29 A at 24 VDC (each lock)
Holding Force	One-point locking (1500 lb)	Two-point locking (1500 lb each point)
Output Relays	Lock status output (LSS)—SPDT 2 A @ 30 VDC Alarm status output—SPDT 2 A @ 30 VDC	Lock status output (LSS)—SPDT 2 A @ 30 VDC Alarm status output—SPDT 2 A @ 30 VDC
Wiring Requirements	2 wires—power input; up to 4 wires relay output	2 or 4 wires—power input; 4 or 8 wires relay 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
Lock Status Sensor Output (LSS)	An SPDT relay offers lock status remote indication capability.
LED Indicator	The LED gives a local indication of lock status: red—unsecured; green—secured.
Illegal Armature Plate Alarm	An SPDT relay output offers local LED or remote indication capability of illegal armature alarm
Alarm Time	Can be set to 15, 30, or 60 seconds or manual reset.
Re-lock Time Delay	Field adjustable re-lock time delay, 0–90 seconds. Instant release with adjustable re-lock time. Timer starts when power is applied.
Non-volatile EEPROM	Saves the armature plate ID, even when power has been removed.



EML310TP Typical Installation



EML320TP Typical Installation

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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