

DORMA EML310EW early warning electromagnetic locks detect attempted forced entry through a locked door.

When an intruder attempts to gain access into a building, the EML310EW's built-in sensor activates a local and/or remote alarm prior to the integrity of the door being compromised — well before the break-in has occurred.

An alarm in the immediate location will ward off would be thieves before they have a chance to gain access. The light panel provides highly visible information related to the status changes of the door. For example, it works as a status indicator when the door is secure or notifies if an attempted break-in has occurred.



DORMA Solutions

- Built-in sensor with local and/or remote alarm activation
- Highly visible **Red/Green** status indicator (local) light panel
- Built-in Bond Alert Sensor (BA) feature
- Dry contact relay switching (SPDT and DPDT) for local and/or remote alarm monitoring
- Autosensing voltage from 12 to 24 VDC
- Up to 1200 lb (540 kg) holding force
- Low voltage detection
- Nuisance delay feature to accommodate accidental triggering
- MOV surge protection
- 628 Brushed Anodized Aluminum lock body finish

Listings & Approvals

- UL/CUL listed under their continuing reinspection programs and conforms to standards UL 10C, GWXT, and FWAX positive pressure fire testing, 3 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

Optional Mounting Accessories

- Spacers
- Angle brackets
- L brackets
- Filler bars
- Power supply
- Key switch
- External sounder

| Specifications | EML310EW |
|----------------------------|--|
| Housing Dimensions | 2-1/8" D × 2-7/8" H × 10-13/16" L (54 mm × 73 mm × 275 mm) |
| Armature Plate Dimensions | 5/8" D × 2-3/8" H × 7-7/16" L (16 mm × 60 mm × 189 mm) |
| Voltage | Autosensing voltage 12 to 24 VDC Tolerance ±10% |
| Power/Current Requirements | Max 0.58 A @ 12 VDC Max 0.29 A @ 24 VDC |
| Holding Force | Up to 1200 lb (540kg) lb |
| Operating Temperature | Circuit board operating temperature 14° F to 140° F (-10° C to 60° C) |

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

| Function | Function Descriptions |
|------------------------|---|
| Nuisance Delay | This feature is designed to reduce accidental triggering. A pull to the door with a minimum of 55 lb of force changes the light panel from green to red and triggers the local alarm relay. If the pressure is withdrawn within 4 seconds, the system will return to normal. |
| 30 Second Alarm Period | If pressure on the door is maintained for more than 4 seconds, the remote alarm relay will activate, the local alarm relay remains on and the light panel continues to flash red. After 30 seconds, the local and remote alarm relay will return to normal, but the light panel will continue to blink indicating an attempted break-in has occurred until reset. |
| Light Panel | This full length feature is a highly visible red and green status indicator. |
| Supplementary Sounder | An external alarm device may be connected to pulse during the 4 second nuisance delay and sound steady during the 30 second remote alarm period. |

NOTE: All installations must be approved by the Local Authority Having Jurisdiction (AHJ)

