

FAQS :

1. What is an EM Lock (Electromagnetic Lock) and how does it function ?

An EM Lock is a device used to control the access through a door. The electromagnet is mounted to a door frame and the armature plate affixed to the door. When energized, the electromagnet attracts and "grabs" the armature plate with a retention force that may exceed 1000lbs., thus effectively locking the door. When input voltage is shut off, the armature plate is released thus the door is open.

2. What is the operating voltage for an EM Lock ?

Electromagnets are normally operated by either 12Vdc or 24Vdc. It is extremely safe as it operates on low DC voltages.

3. When and where to use magnetic locks ?

The EM Lock has been used on almost every door and frame in almost every type facility e.g. EM Locks are ideal for interior wooden or aluminum / glass storefront type doors. When life safety is the utmost concern, EM Lock is the best locking device used.

4. What is the main criteria of selecting an EM Lock ?

The main parameter to look for is power consumption and the true holding force of the electromagnet vs the armature plate. The lower power consumption the longer the backup battery would last. The higher the true holding force the better is the lock.

5. What about ALGATEC EM Locks ?

ALGATEC Locks are equipped with all necessary standard features plus extended features which are not offer by other makers in the industry. E.g. The electromagnet and armature plate are specially plated to resist corrosion for ordinary door use applications. Another exceptional feature of ALGATEC Locks is instantaneous release with our in-built electronic device **

ALGATEC®

PRODUCT INTRODUCTION & PROFILE

Relative to other electric locks, the Electromagnetic Lock (EM Lock) originated around 1970 and was developed to fill the need for a genuine fail-safe electric locking device.

The absence of mechanical parts and linkages lend to a long life (even under high frequency use environment), low maintenance device. In short, the main function is to permit or deny entrance to in a given place. Its popularity has led to the establishment of standards, codes and approvals for guidance in its various applications.

Increasing enhancements through the development of sophisticated electronics will broaden the future uses of these devices in electronics security systems.

SPECIFICATIONS:

ITEM	SPECIFICATIONS MODEL NO.	HOLDING FORCE	MAGNET DIMENSIONS (LxWxT)	ARMATURE PLATE DIMENSIONS (LxWxT)	VOLTAGE	POWER REQUIREMENTS	WITH BUILT-IN		
							LED	RELAY OUTPUT	BOND SENSOR
1	UL135-S	300lbs	170x35x22.5	130x33x11	12/24Vdc non-selection	300mA/150mA	NO	NO	NO
2	UL136-S	300lbs	210x35x22.5	130x33x11	12/24Vdc	300mA/150mA	NO	NO	NO
3	UL136-SL	300lbs	210x35x22.5	130x33x11	12/24Vdc	300mA/150mA	YES	YES	YES
4	UL275-S	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	NO	NO	NO
5	UL275-SL	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	YES	YES	YES
6	UL545-S	1200lbs	266x67x40	185x61x16.5	12/24Vdc	420mA/210mA	NO	NO	NO
7	UL545-SL	1200lbs	266x67x40	185x61x16.5	12/24Vdc	420mA/210mA	YES	YES	YES
8	UL135-D	300lbs	341x35x22.5	130x33x11	12/24Vdc non-selection	300mA/150mA	NO	NO	NO
9	UL275-D	600lbs	500x42x26	180x38x11	12/24Vdc	480mA/240mA	NO	NO	NO
10	UL275-DL	600lbs	500x42x26	180x38x11	12/24Vdc	480mA/240mA	YES	YES	YES
11	UL545-D	1200lbs	532x67x40	185x61x16.5	12/24Vdc	420mA/210mA	NO	NO	NO
12	UL545-DL	1200lbs	532x67x40	185x61x16.5	12/24Vdc	420mA/210mA	YES	YES	YES
13	UL135-M	300lbs	174x32x26	130x33x11	12/24Vdc	300mA/150mA	NO	NO	NO
14	UL135-ML	300lbs	174x32x26	130x33x11	12/24Vdc	300mA/150mA	NO	YES	YES
15	UL275-M	600lbs	228x38x27	180x38x11	12/24Vdc	480mA/240mA	NO	NO	NO
16	UL275-ML	600lbs	228x38x27	180x38x11	12/24Vdc	480mA/240mA	NO	YES	YES
17	UL30035-M	600lbs	195x35.5x27	180x38x11	12/24Vdc	480mA/240mA	NO	NO	NO
18	UL30035-ML	600lbs	195x35.5x27	180x38x11	12/24Vdc	480mA/240mA	NO	YES	YES
19	UL545-M	1200lbs	190x62x38	185x61x16.5	12/24Vdc	420mA/210mA	NO	NO	NO
20	UL545-ML	1200lbs	190x62x38	185x61x16.5	12/24Vdc	420mA/210mA	NO	YES	YES
21	EXT135-SL	300lbs	165x34.5x27.5	130x33x11	12/24Vdc	300mA/150mA	NO	YES	YES
22	EXT325-SL	800lbs	220x42x28	182x44x12	12/24Vdc	460mA/230mA	NO	YES	YES
23	EXT325-SLCG	800lbs	220x42x28	182x44x12	12/24Vdc	460mA/230mA	NO	YES	YES
24	EXT545-SL	1200lbs	222x62x42	185x61x16.5	12/24Vdc	420mA/210mA	NO	YES	YES
25	EXT545-SLCG	1500lbs	222x62x42	185x61x16.5	12/24Vdc	420mA/210mA	NO	YES	YES

* Specifications are subject to change without prior notice
 ** Additional features is available upon request
 *** Standard warranty term applies

ADVANTAGE OF ALGATEC®

- LIFE SAFETY APPLICATIONS BY PROVIDING AN AUXILIARY LOCKING MECHANISM
- HOLDING FORCE IS CONSERVATIVELY RATED
- ZERO RESIDUAL MAGNETISM
- LOW ENERGY CONSUMPTION
- LOWER COST AND MORE COMPACT SIZE
- FULLY SEALED ELECTRONICS - TAMPER PROOF & WEATHER PROOF**
- LOW MAINTENANCE DEVICE
- MULTITUDE OF MECHANICAL FEATURE TO ENHANCE THE VISUAL APPEAL OF THE UNIT
- VERSATILE MOUNTING BRACKETS ARE AVAILABLE
- IDEAL FOR SLIDING OR SWINGING DOORS

ALGATEC®

A NEW ERA OF CONFIDENCE IN LOCK

Industry leader in the design and manufacturing of electromagnetic locks for access control applications.

