



# ALGATEC®

The Renowned Brand Name In Security Locks

## A NEW ERA OF CONFIDENCE IN LOCK

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 lead 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	CURRENT REQUIREMENTS	WITH BUILT-IN					
							LED	RELAY OUTPUT	SENSOR	MAGNETIC CONTACT	TIMER	BUZZER
1	UL135-S	300lbs	170x35x23	130x33x11	12/24Vdc non-selectable	300mA/150mA	-	-	-	-	-	-
2	UL136-S	300lbs	210x35x23	130x33x11	12/24Vdc	300mA/150mA	-	-	-	-	-	-
3	UL136-SL	300lbs	210x35x23	130x33x11	12/24Vdc	300mA/150mA	✓	✓	✓	-	-	-
4	UL275-S	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	-	-	-	-	-	-
5	UL275-SL	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	✓	✓	✓	-	-	-
6	UL275L-S	600lbs	250x42x26	180x38x11	12Vdc	< 300mA	-	-	-	-	-	-
7	UL275L-SL	600lbs	250x42x26	180x38x11	12Vdc	< 300mA	✓	✓	✓	-	-	-
8	UL275-SMC	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	-	-	-	✓	-	-
9	UL275-SLMC	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	✓	✓	✓	✓	-	-
10	UL275T-S	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	-	-	-	-	✓	-
11	UL275T-SL	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	✓	✓	✓	-	✓	-
12	UL275TB-SL	600lbs	250x42x26	180x38x11	12/24Vdc	480mA/240mA	✓	✓	✓	-	✓	✓
13	UL545-S	1200lbs	266x67x40	185x61x16.5	12/24Vdc	420mA/210mA	-	-	-	-	-	-
14	UL545-SL	1200lbs	266x67x40	185x61x16.5	12/24Vdc	420mA/210mA	✓	✓	✓	-	-	-
15	UL135-D	300lbsx2	341x35x23	130x33x11	12/24Vdc non-selectable	300mA/150mA	-	-	-	-	-	-
16	UL136-D	300lbsx2	420x35x23	130x33x11	12/24Vdc	300mA/150mA	-	-	-	-	-	-
17	UL136-DL	300lbsx2	420x35x23	130x33x11	12/24Vdc	300mA/150mA	✓	✓	✓	-	-	-
18	UL275-D	600lbsx2	500x42x26	180x38x11	12/24Vdc	480mA/240mA	-	-	-	-	-	-
19	UL275-DL	600lbsx2	500x42x26	180x38x11	12/24Vdc	480mA/240mA	✓	✓	✓	-	-	-
20	UL545-D	1200lbsx2	532x67x40	185x61x16.5	12/24Vdc	420mA/210mA	-	-	-	-	-	-
21	UL545-DL	1200lbsx2	532x67x40	185x61x16.5	12/24Vdc	420mA/210mA	✓	✓	✓	-	-	-
22	UL135-M	300lbs	174x32x26	130x33x11	12/24Vdc	300mA/150mA	-	-	-	-	-	-
23	UL135-ML	300lbs	174x32x26	130x33x11	12/24Vdc	300mA/150mA	-	-	✓	-	-	-
24	UL275-M	600lbs	228x38x27	180x38x11	12/24Vdc	480mA/240mA	-	-	-	-	-	-
25	UL275-ML	600lbs	228x38x27	180x38x11	12/24Vdc	480mA/240mA	-	-	✓	-	-	-
26	UL30035-M	600lbs	195x35.5x27	180x38x11	12/24Vdc	480mA/240mA	-	-	-	-	-	-
27	UL30035-ML	600lbs	195x35.5x27	180x38x11	12/24Vdc	480mA/240mA	-	-	✓	-	-	-
28	UL545-M	1200lbs	190x62x38	185x61x16.5	12/24Vdc	420mA/210mA	-	-	-	-	-	-
29	UL545-ML	1200lbs	190x62x38	185x61x16.5	12/24Vdc	420mA/210mA	-	-	✓	-	-	-
30	EXT135-SL	300lbs	165x34.5x27.5	130x33x11	12/24Vdc	300mA/150mA	-	✓	✓	-	-	-
31	EXT275-SL	600lbs	216x41x29	180x38x11	12/24Vdc	480mA/240mA	-	✓	✓	-	-	-
32	EXT325-SL	800lbs	220x46x30	182x44x12	12/24Vdc	460mA/230mA	-	✓	✓	-	-	-
33	EXT325-SLCG	800lbs	220x46x30	182x44x12	12/24Vdc	460mA/230mA	-	✓	✓	-	-	-
34	EXT545-SL	1200lbs	222x62x42	185x61x16.5	12/24Vdc	420mA/210mA	-	✓	✓	-	-	-
35	EXT545-SLCG	1200lbs	222x62x42	185x61x16.5	12/24Vdc	420mA/210mA	-	✓	✓	-	-	-
36	EXT675-SL	1500lbs	222x62x42	185x61x16.5	12/24Vdc	480mA/240mA	-	✓	✓	-	-	-

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





ELECTROMAGNETIC LOCK  
**SINGLE  
SERIES**



ELECTROMAGNETIC LOCK  
**DOUBLE  
SERIES**

**UL135-S**  
- Up to **300lbs.** holding force.  
- For small enclosures.

**UL136-S**  
- Up to **300lbs.** holding force.  
- For small enclosures.

**UL275-S**  
- Up to **600lbs.** holding force.  
- For swinging doors.

**UL545-S**  
- Up to **1200lbs.** holding force.  
- For swinging doors.

**UL135-D**  
- Up to **300lbs. x 2** holding force.  
- For double leaf swinging doors.

**UL275-D**  
- Up to **600lbs. x 2** holding force.  
- For double leaf swinging doors.

**UL545-D**  
- Up to **1200lbs. x 2** holding force.  
- For double leaf swinging doors.



# HOSPITAL



ELECTROMAGNETIC LOCK  
**MORTICE  
 SERIES**



# TRANSPORT SECTOR

ELECTROMAGNETIC LOCK  
**WATER PROOF  
 SERIES**



**UL135-M**  
 - Up to **300lbs.** holding force.  
 - For sliding doors.

**UL275-M**  
 - Up to **600lbs.** holding force.  
 - For sliding doors.

**UL545-M**  
 - Up to **1200lbs.** holding force.  
 - For sliding doors.

**UL30035-M**  
 - Up to **600lbs.** holding force.  
 - For sliding doors.

**EXT135-SL**  
 - Up to **300lbs.** holding force.  
 - For indoor & outdoor application

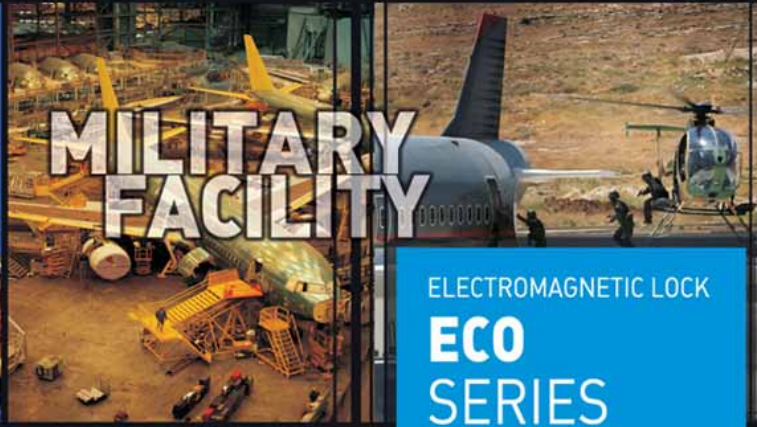
**EXT275-SL**  
 - Up to **600lbs.** holding force.  
 - For indoor & outdoor application

**EXT325-SL**  
 - Up to **800lbs.** holding force.  
 - For indoor & outdoor application

**EXT545-SL**  
 - Up to **1200lbs.** holding force.  
 - For indoor & outdoor application

**EXT675-SL**  
 - Up to **1500lbs.** holding force.  
 - For indoor & outdoor application





# MILITARY FACILITY

ELECTROMAGNETIC LOCK  
**ECO SERIES**



# RETAIL SECTOR

ELECTROMAGNETIC LOCK  
**MOUNTING BRACKET**



**UL275L-SL**

- Up to **600lbs.** holding force.
- Relatively lower power consumption against industry standard.
- less than **300mA**



**UL545L-SL**

- Up to **1200lbs.** holding force.
- Relatively lower power consumption against industry standard.
- less than **300mA**

**"LS" BRACKET**

- For narrow door frame.

**"ZL" BRACKET**


- For in swinging doors.

**"U" BRACKET**

- For frameless glass doors.

**"GG" BRACKET**

- For full glass doors.



## ADVANTAGES 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



## 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 \*\*

