



1200 UL MAGLOCKS USER'S GUIDE

ELECTROMAGNETIC LOCK

1 Description

The Electromagnetic Lock (Maglock) series is a surface mounted magnetic lock assembly. Available in single and dual lock varieties and various sizes (force) designed for standard installation on most types of doors.



SINGLE
10MAGLOCK1UL



DOUBLE
10MAGLOCK5UL

2 Specifications

DESCRIPTION	10MAGLOCK1UL	10MAGLOCK5UL
Lock	Single	Double
Input Voltage (VDC)	12 or 24	12 or 24
Relay Rating: @ 24 VDC (amps)	1.0	1.0
Dimensions: inches (mm)	10.47 x 2.87 x 1.58 (266 x 73 x 40)	21.18 x 2.87 x 1.58 (532 x 73 x 40)
Certification:	UL	UL

3 Precautions



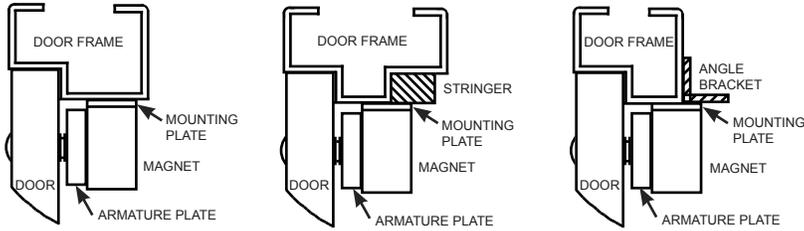
CAUTION

- Shut off all power before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- Always check placement of all wiring before powering up to insure moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards and building codes upon completion of installation.

4 Installation - Mechanical

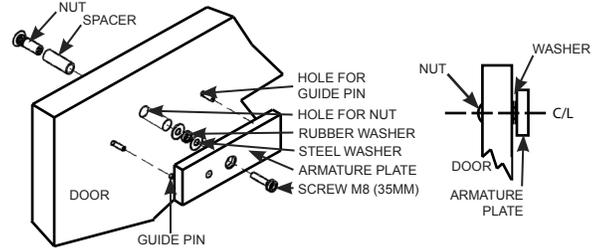
1. Handle the equipment with care. Damaging the mating surfaces of the magnet and armature plate may reduce locking efficiency.
2. The maglock mounts rigidly to the door frame. The armature plate mount to the door with the hardware provided. This allows the armature plate to pivot about its center to compensate for door wear and misalignment.
3. Template use must take place with the door in its normally closed position.
4. Add threadlocker to all screws before installing.
5. Firmly tighten screws.

4 Installation - Mechanical (Cont'd)



NOTE: DO NOT over-tighten the armature plate. The rubber washer is designed to allow the armature plate to automatically adjust position for best mating position between the lock and armature plate.

TYPICAL INSTALLATION



5 Installation - Electrical

NOTE: The product should only be powered by a UL listed power supply.

NOTE: If power switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism.

1. 12 VDC INPUT

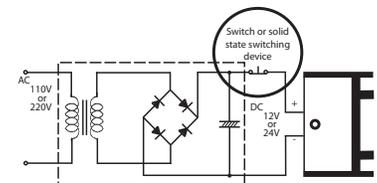
- Required power 0.5A (Max).
- Connect ground (-) lead from a 12 VDC power source to Terminal 2.
- Connect positive (+) lead from a 12 VDC power source to Terminal 1.
- Check jumper for 12 VDC operation.

2. 24 VDC INPUT

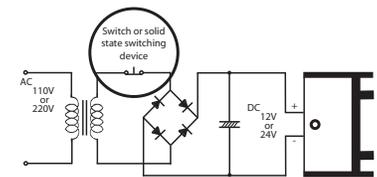
- Required power 0.25A (Max).
- Connect ground (-) lead from a 24 VDC power source to Terminal 2.
- Connect positive (+) lead from a 24 VDC power source to Terminal 1.
- Check jumper for 24 VDC operation.

3. CONTACTS

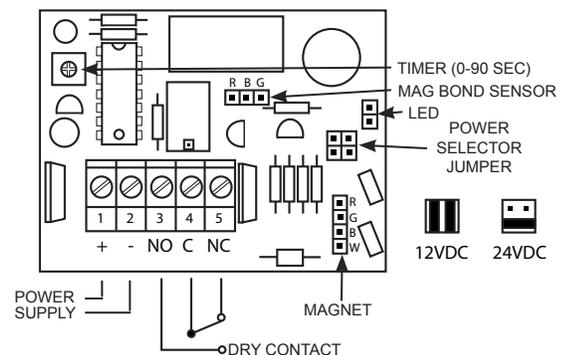
- Relay dry contacts are rated 1A at 24 VDC for safe operation, DO NOT exceed this rating.
- If a NO switch is required, connect the wires from the system to Terminal 4 & Terminal 3.
- If a NC switch is required, connect the wires from the system to Terminal 4 & Terminal 5.



CORRECT



INCORRECT



6 Company Contact



Do not leave problems unresolved. If a satisfactory solution cannot be achieved after troubleshooting a problem, please call BEA, Inc. If you must wait for the following workday to call BEA, leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution.

Our Service Technicians can be called 24 hours a day, 7 days a week. For more information visit www.beasensors.com.

Phone: 1-800-523-2462		Fax: 1-888-523-2462	
After Normal Business Hours			
West / Mexico 1-888-419-2564	Central 1-800-407-4545	AK, MI, WI, TX, Canada 1-866-836-1863	East 1-866-249-7937

1 Description

The Electromagnetic Lock (Maglife) series is a surface mounted magnetic lock assembly. It is a narrow profile model available in single and dual lock varieties and various sizes (force) designed for standard installation on most types of doors.



2 Specifications

DESCRIPTION		10MAGLIFELOCK9
Holding Force	(lbs)	100
Input Voltage	(VDC)	12 to 24
Current Draw:	@ 12 VDC (amps) @ 24 VDC (amps)	0.06 0.12
Dimensions:	inches (mm)	2.76 x 1.40 x 0.79 (70 x 35 x 20)
Weight:	lbs (kg)	0.55 0.24
Material:	Lock Housing Armature / Strike Plate	Aluminum Zinc Plated Steel

3 Precautions



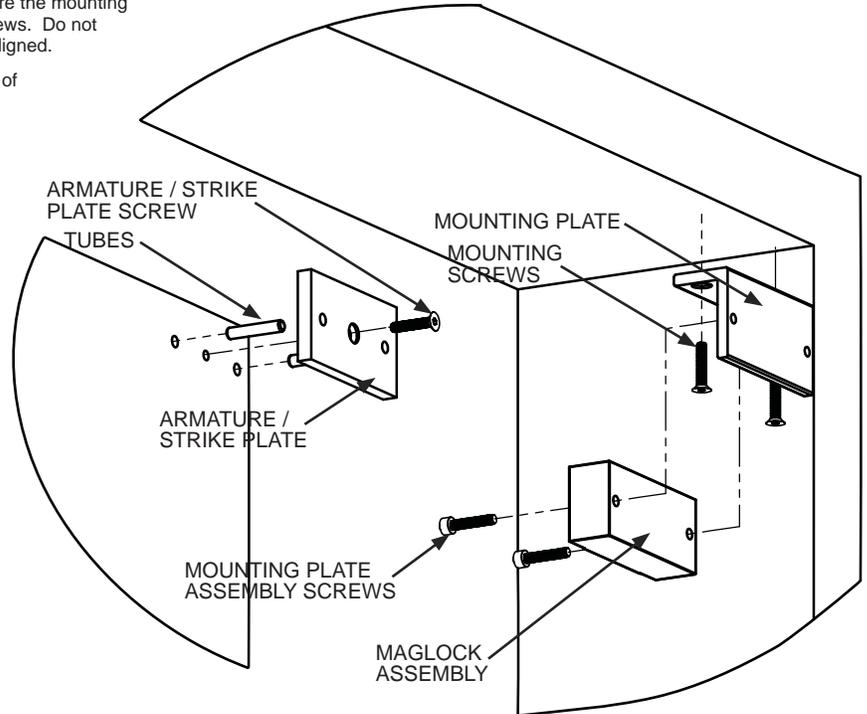
- Shut off all power going to header before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- Always check placement of all wiring before powering up to insure moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards and building codes upon completion of installation.

4 Installation Tips

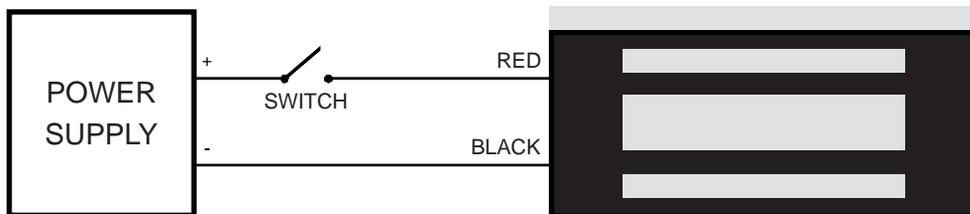
1. DO NOT touch the lock face with your hands.
2. Should the surface plating be damaged, use a soft, clean dry cloth or abrasive cloth to clean the lock face. DO NOT use sand paper. A rust inhibitor can be applied to the armature/strike plate and maglock assembly face.

5 Installation - Mechanical

1. Inspect the frame header to determine if an angle bracket or filler plate is required.
2. Fold the enclosed mounting template on the dotted line and then mark and drill holes as indicated. Drill two 1/8" (3.1 mm) holes at the locations marked 'B'. For single doors, locate the template against the door and header on the lock jamb side of the frame.
3. Disassemble the mounting plate from the maglock assembly using the enclosed hex key. Insert 2 screws into the slotted holes and secure the mounting plate to the doorframe using two of the #8 mounting screws. Do not tighten these screws fully until the maglock is properly aligned.
4. Gently tap (2) 3/16" (5mm) spring pins into the rear side of the armature(s). Drill matching holes on the door to receive these pins.
5. Align armature/strike plate to magnet, and then drill a 5/8" (16mm) hole in door for sexnut and aluminum reinforcement tube for hollow doors. Using the M8 x 1.25 x 40mm hex head screw and enclosed hex key, mount armature to door using two metal and one rubber washers.
6. Continue to fasten mounting plate to heading using remaining screws. Then, reassemble maglock assembly to mounting plate.
7. Route the enclosed wiring harness through the rectangular hole in the mounting plate. Make the electrical connection as shown below.
8. Make sure that armature/strike plate can be shaken slightly. This will permit full armature contact and maximize holding force.



6 Installation - Electrical



7 Company Contact



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The following numbers can be called 24/7. For more information, visit www.beasensors.com.

US and Canada: 1-866-249-7937
Canada: 1-866-836-1863
Northeast: 1-866-836-1863

Southeast: 1-800-407-4545
Midwest: 1-888-308-8843
West: 1-888-419-2564



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ELECTROMAGNETIC LOCK

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The Electromagnetic Lock (Maglock) series is a surface mounted magnetic lock assembly. Available in single and dual lock varieties and various sizes (force) designed for standard installation on most types of doors.



SINGLE
10MAGLOCK3UL



DOUBLE
10MAGLOCK6UL

2 Specifications

DESCRIPTION	10MAGLOCK3UL	10MAGLOCK6UL
Lock	Single	Double
Input Voltage (VDC)	12 or 24	12 or 24
Relay Rating: @ 24 VDC (amps)	1.0	1.0
Dimensions: inches (mm)	9.84 x 1.65 x 1.02 (250 x 42 x 26)	19.76 x 1.65 x 1.02 (502 x 42 x 26)
Certification:	UL	UL

3 Precautions

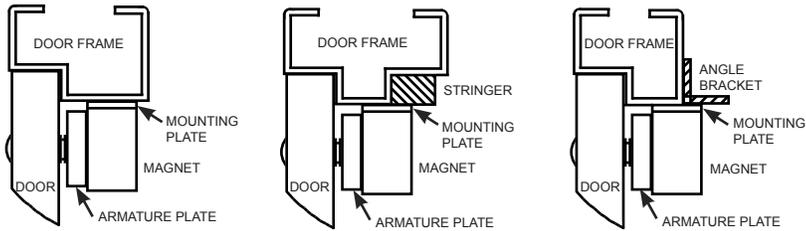


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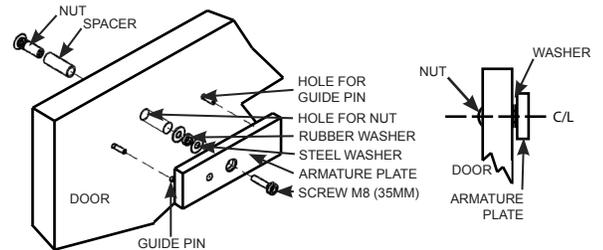
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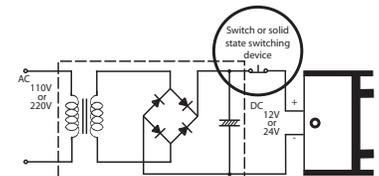


5 Installation - Electrical

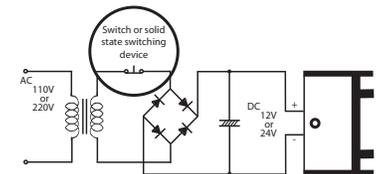
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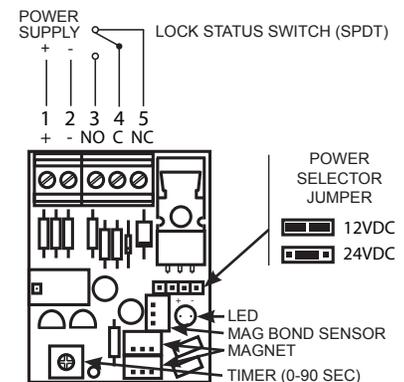
1. 12 VDC INPUT
 - A. Required power 0.5A (Max).
 - B. Connect ground (-) lead from a 12 VDC power source to Terminal 2.
 - C. Connect positive (+) lead from a 12 VDC power source to Terminal 1.
 - D. Check jumper for 12 VDC operation.
2. 24 VDC INPUT
 - A. Required power 0.25A (Max).
 - B. Connect ground (-) lead from a 24 VDC power source to Terminal 2.
 - C. Connect positive (+) lead from a 24 VDC power source to Terminal 1.
 - D. Check jumper for 24 VDC operation.
3. CONTACTS
 1. Relay dry contacts are rated 1A at 24 VDC for safe operation, DO NOT exceed this rating.
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