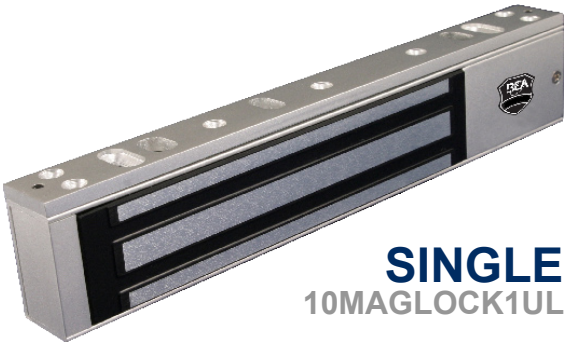
1200 UL MAGLOCKS
USER'S GUIDE

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
Imput 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

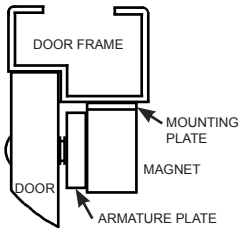
CAUTION

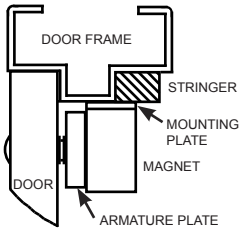
- ❑ Shut off all power before attempting any wiring procedures.
- ❑ Maintain a clean & safe environment when working in public areas.
- ❑ Constantly be aware of pedestrian traffic around the door area.
- ❑ Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected 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.

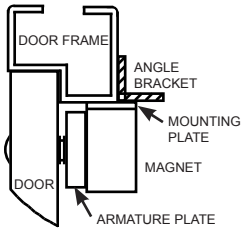
4 Installation - Mechanical

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.

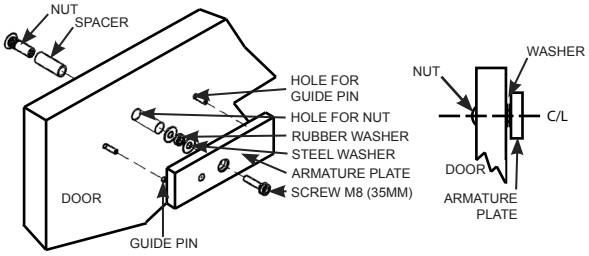
4 Installation - Mechanical (Cont'd)







TYPICAL INSTALLATION



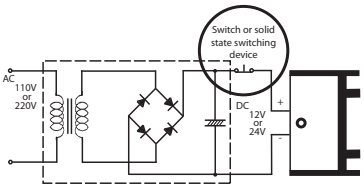
NOTE: DO NOT over-tighten the armature plate. The rubber washer is designed to allow the armature plate to automatically adjust position for best mating position between the lock and armature plate.

5 Installation - Electrical

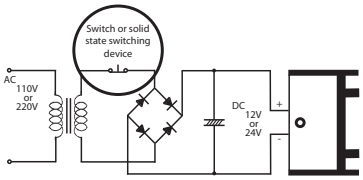
NOTE: The product should only be powered by a UL listed power supply.

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.

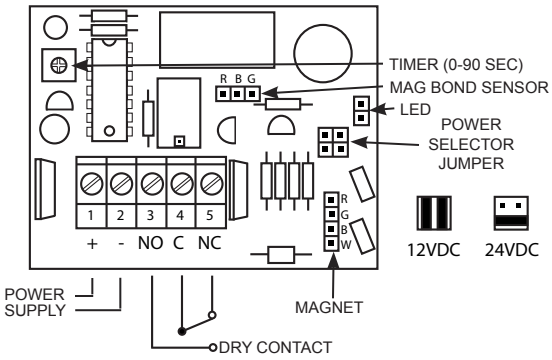
1. 12 VDC INPUT
   - A. Required power 0.5A (Max).
   - B. Connect ground (-) lead from a 12 VDC power source to Terminal 2.
   - C. Connect positive (+) lead from a 12 VDC power source to Terminal 1.
   - D. Check jumper for 12 VDC operation.
2. 24 VDC INPUT
   - A. Required power 0.25A (Max).
   - 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.
   2. If a NO switch is required, connect the wires from the system to Terminal 4 & Terminal 3.
   3. If a NC switch is required, connect the wires from the system to Terminal 4 & Terminal 5.



CORRECT



INCORRECT



6 Company Contact

BEA OPEN UP NEW HORIZONS
A HALMA COMPANY

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