



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. The DS versions have built in Door Status Sensor.



SINGLE
10MAGLOCK1UL
10MAGLOCK1ULDS



DOUBLE
10MAGLOCK5UL
10MAGLOCK5ULDS

2 Specifications

DESCRIPTION	10MAGLOCK1UL 10MAGLOCK1ULDS	10MAGLOCK5UL 10MAGLOCK5ULDS
Lock:	Single	Double
Input Voltage:	12 or 24 VDC	
Relay Rating:	1.0 A @ 24 VDC	
Current Rating:	500 mA @ 12 VDC / 250 mA @ 24 VDC	1 A @ 12 VDC / 500 mA @ 24 VDC
Dimensions:	9.84 x 1.65 x 1.02 in 250 x 42 x 26 mm	19.76 x 1.65 x 1.02 in 502 x 42 x 26 mm
Certification:	UL	

ATTENTION: This product must be powered from a UL listed, regulated, power limited, power supply!

NOTE:

- Installation location - indoor/dry
- Install all circuits in same room - resistive
- Relay output designated as Common

3 Precautions

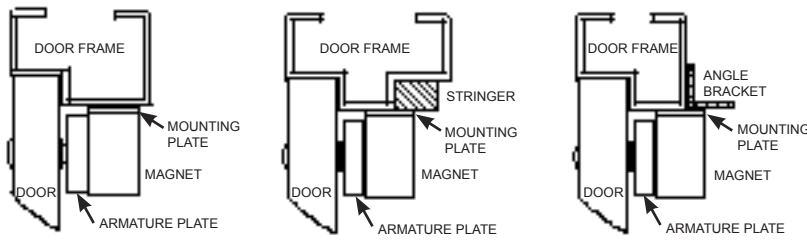


- ☐ Shut off all power before attempting any wiring procedures.
- ☐ Maintain a clean & safe environment when working in public areas.
- ☐ Constantly be aware of pedestrian traffic around the door area.
- ☐ Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected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

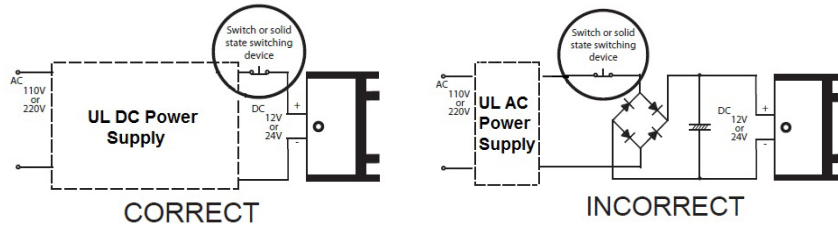
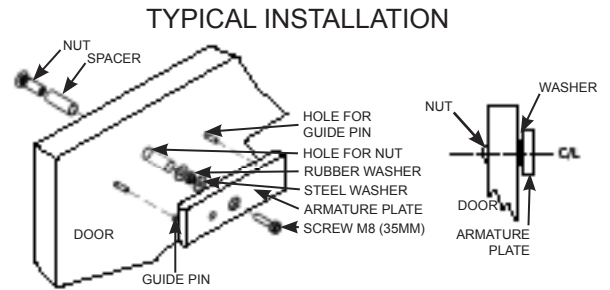
4 Installation - NOTES

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.

5 Installation - Mechanical & Electrical



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.

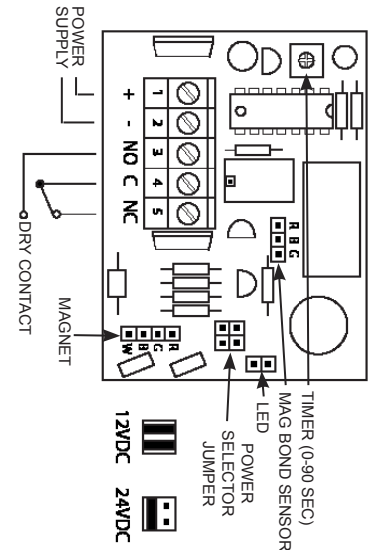


NOTE: The product must be powered from a UL listed, regulated, power limited, power supply.

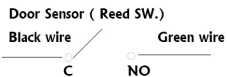
NOTE: If power switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism.

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.

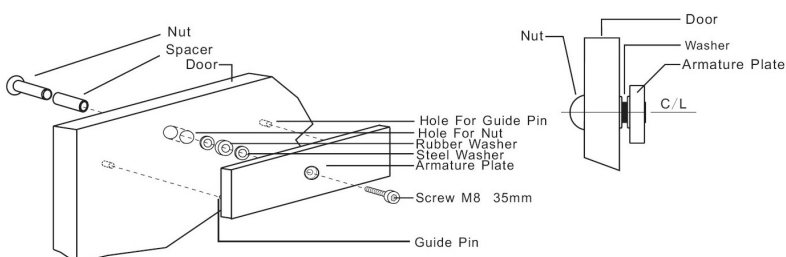
CAUTION: Observe proper circuit board orientation!



DS VERSION



Armature Plate Mounts To The Door



DS Series Magnetic Lock Wiring Instructions

Connect the positive (+) lead from the power source to BLACK wire of the DOOR STATUS SENSOR.

Connect the negative (-) lead from the power source to one end of the LIGHT, BUZZER...for door status.

Connect the GREEN wire of the DOOR STATUS SENSOR to the other end of LIGHT, BUZZER...for door status.

Reed switch dry contacts are rated 0.5 Amp at 30VDC/AC for safe operation, do not exceed this rating.

