Electromagnetic Lock Series

RGL Electronics Ltd

Please read before attempting to install Magnetic Lock

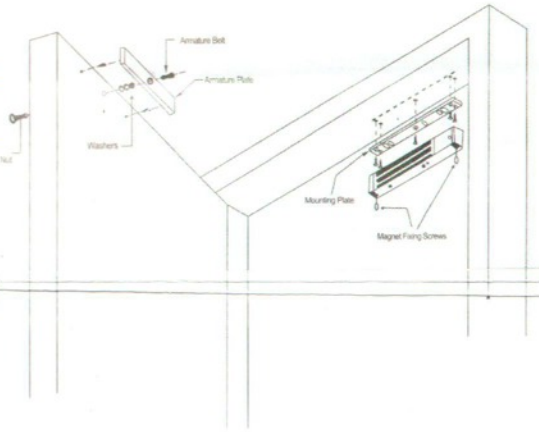
A. *Handle the equipment with care, damaging the surface of the magnet or armature plate may reduce locking efficiency*
B. *The magnet is mounted rigidly to the door frame, whereas the armature plate must be mounted to the door using the items provided to allow it to pivot about its centre. This allows it to compensate for door wear and misalignment.*
C. *The template must be used with the door in its normally closed position.*

Typical Installation

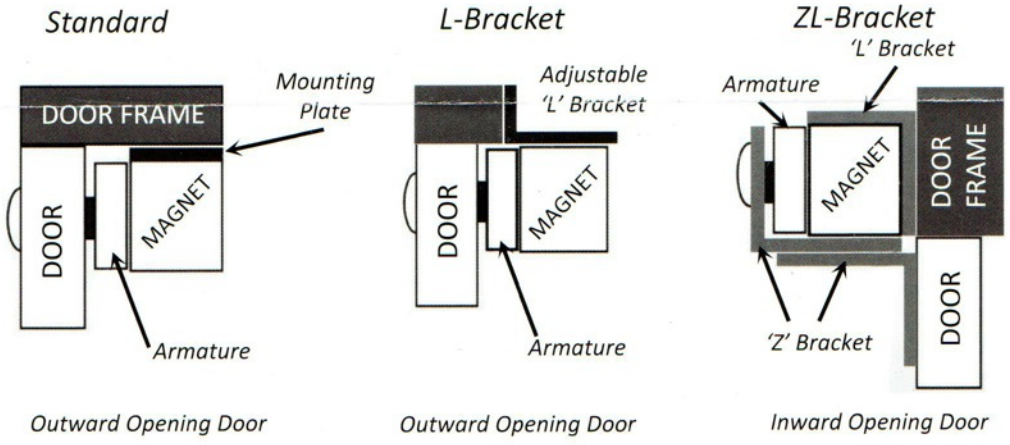
*** **Important:** Do not install the armature plate too tightly, which ensures the washer remains flexible – in order for the armature plate to properly mate with the magnet.*

MOUNTING INSTRUCTIONS

***Step 1** – Fold template against dotted line, and place against the door frame. Drill holes as indicated.*
***Step 2** – Mount the armature plate on the door using the rubber washer. The rubber washer and steel washer are installed between the armature plate and door, using the sex-nut bolt.*
***Step 3** – Install the mounting plate so it forms a right angle with the armature plate. Use the mounting plate as a template to drill appropriate holes.*
***Step 4** – Install magnet to mounting plate using 2 x M4(M6) screws supplied – and wire as per instructions on page 1.*



BRACKET INSTALLATION GUIDE



Mounting Procedure: Remove the 'standard' mounting plate when using either the ZL or L bracket

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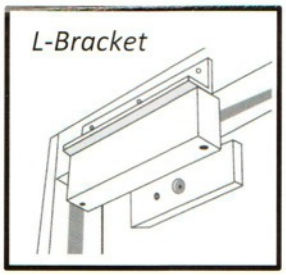
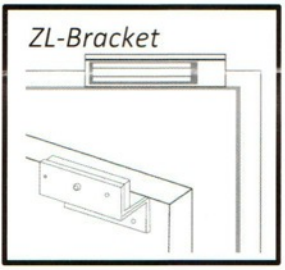
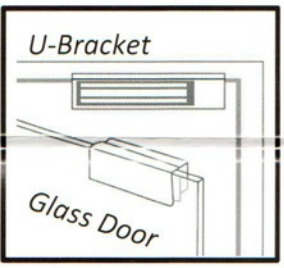
Electromagnetic Lock Series
ML600, ML1200 & ML300 Series (Includes –M Series)

RGL Electronics Ltd







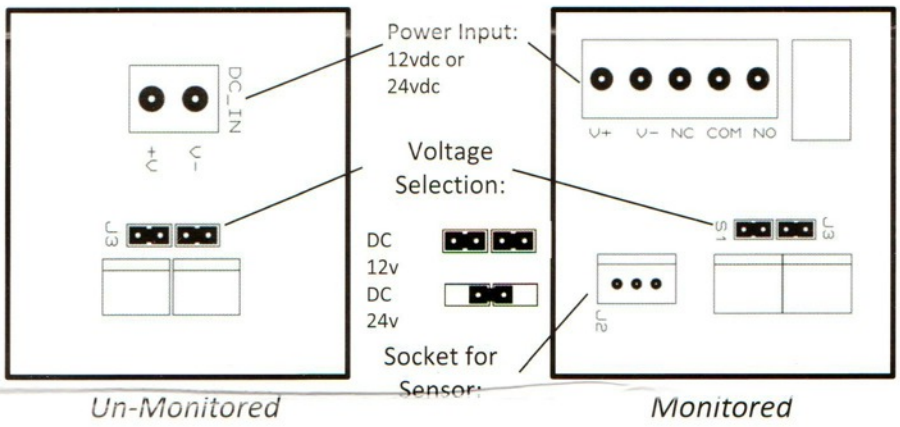
Magnetic Lock Wiring Instructions

Printed Circuit Board Schematic

Power Input
12VDC or
24VDC input

Lock Status Sensor
1: Normally open switch: NO & C
2: Normally closed switch: NC & C

ML600 & ML1200



Un-Monitored *Monitored*

INSTALLATION GUIDE

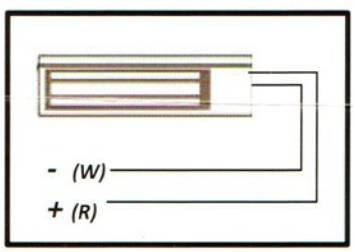
A: 12VDC Input:
- *Required power 0.5Amp (Minimum)*
- *Connect the positive (+) lead from a 12VDC power source to +*
- *Connect the ground (-) lead from a 12VDC power source to –*
- *Check jumper for 12VDC operation*

B: 24VDC Input:
- *Required power 0.25Amp (Minimum)*
- *Connect the positive (+) lead from a 24VDC power source to +*
- *Connect the ground (-) lead from a 24VDC power source to –*
- *Check jumper for 24VDC operation*

C: Contacts:
- *Relay voltage free contacts are rated 1amp at 24VDC for safe operation, do not exceed this rating.*
- *If you require a normally open switch, connect the wires from the system to C and NO*
- *If you require a normally closed switch, connect the wires from the system to C and NC*

ML300 Series

A: 12VDC Input:
- *Required power 0.3Amp (Minimum)*
- *Connect the positive (+) red lead to a 12VDC power source*
- *Connect the ground (-) white lead to a 12VDC power source*



ML300

CE