Specification

Model	NEML280M, NEML280MB
Lock Size	250L x 47W x 26H (mm)
Armature Plate Dimension	180L x 36W x 11H (mm)
Holding Force	280kg
Signal Output	Yes
Input Voltage	DC12V or DC24V

Working Current	12V/480mA 24V/240mA
Door Type Applicable	Suits wooden, glass and metal doors
Time Delay	Yes (0, 3, 6 or 9 seconds)
Security Type	Power off to open
Weight	2kg

Application Range

- **Door Type:**
  Suited for use on wooden door, glass door or metal door

- **Control Mode:**
 Suited for use as part of a building intercom or access control system

Diagram
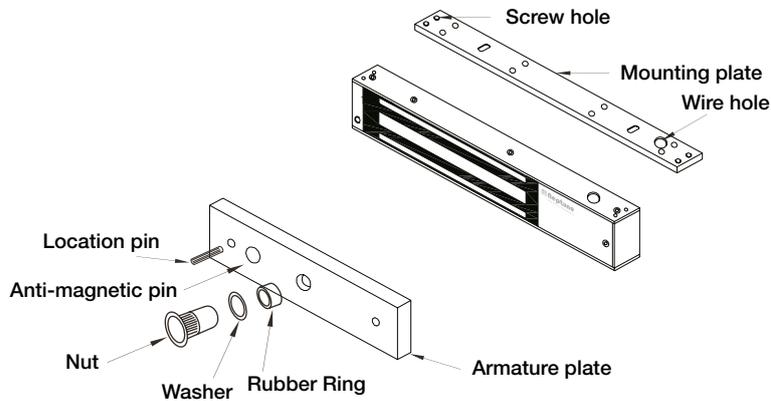
Wiring of Lock

1. Voltage:
Select your desired voltage (12V-DC/24V-DC) from the voltage selector

2. Input:
Connect the positive pole to the terminal marked "+"
Connect the negative pole to the terminal marked "-"

3. Wiring of Door-State Detector
The overload current of relay contact is 1amp.Overload is strictly prohibited for voltage of 24V-DC.

For switch-over signal - connect the normal-open circuit to the COM and NC and connect the normal-close circuit to the COM and NO.

Note: Please use the 12V-DC input if the lock has no special annotation. Voltage overload will damage the lock.

Door Detector Signal
Normal open circuit, connect to NO & COM. Normal close circuit, connect to NC & COM.

Power
12V DC or 24V DC input

NC COM NO V- V+

Switch for time delay
0 sec   9 sec

Voltage Selection
12V DC
24V DC
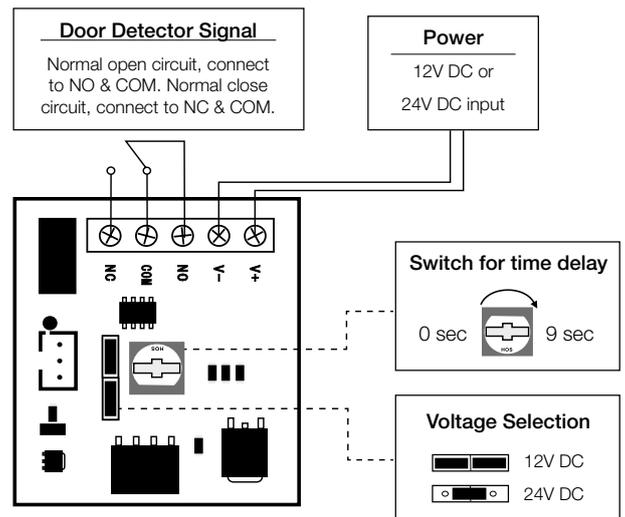
Connection Diagram

Notes

1. Power supply output voltage should be DC12V±10%, cable > 0.75mm.
2. Take care not to damage the galvanization layer during installation.
3. Ensure the mounting plate is securely attached to the lock body.
4. Insert the rubber ring between the armature plate and door leaf. Do not over tighten the screw.
5. Do not weld the mounting plate to the door as this will effect the lock operation of the lock.
6. Use a soft cloth to remove any excess oil (use of alkaline or pungent cleaners is not recommended).

Disassemble Procedure

Disassemble the cover and band before installing the lock.

1. Unfasten the screw and open the cover.

2. Unscrew the anti-disassemble bolts with the hex key.

3. Use the allen key to loosen the screws of the mounting plate.

4. Remove the mounting plate from the lock body.
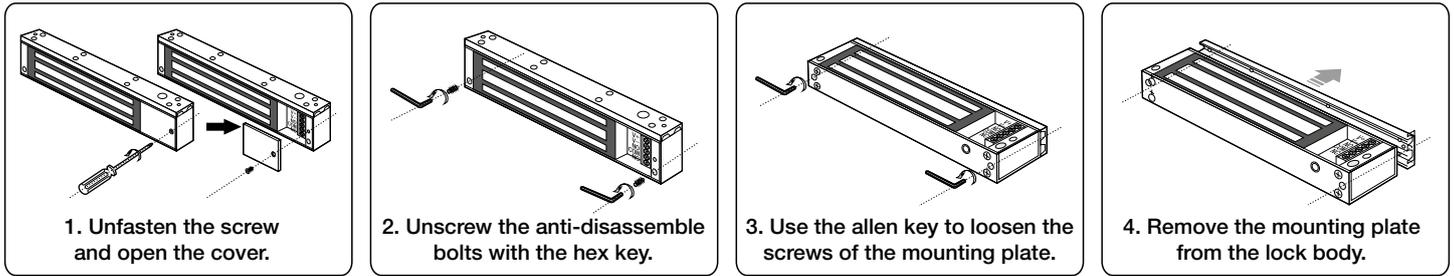
Standard Mounting Method
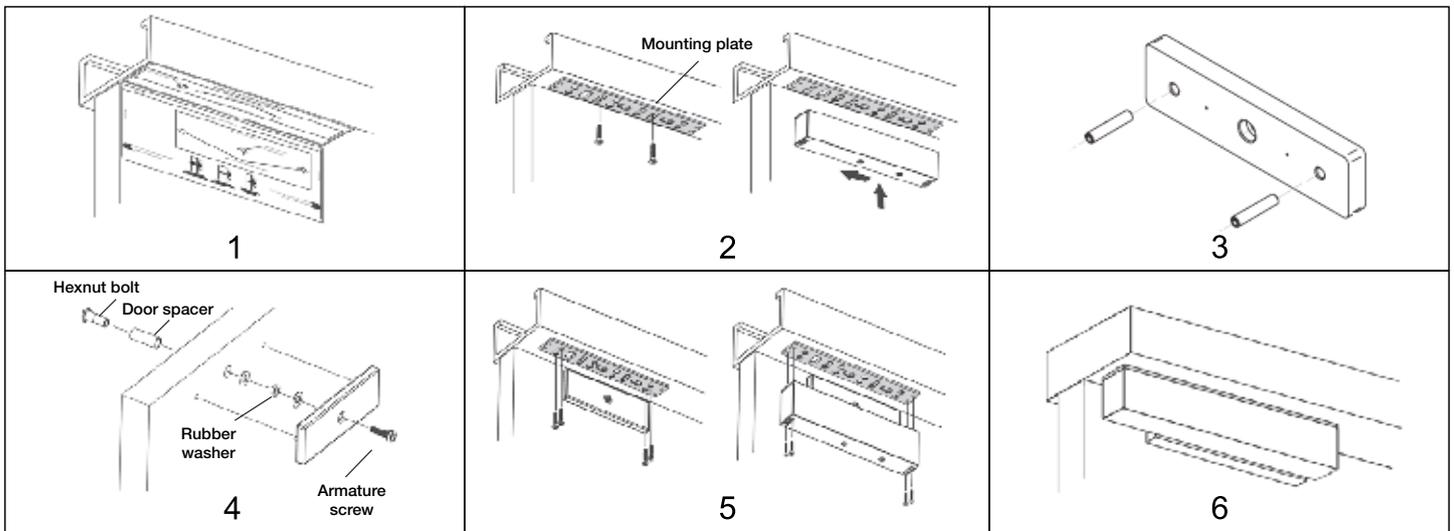
1. Use the supplied template to determine the correct location and size of mounting holes for both the door and frame header. Ensure that the door opens away from the maglock. In the case of a single door, the maglock is positioned as close as possible to the vertical section of the door jamb. Drill door and frame as indicated.
2. Loosely install the mounting plate using two of the supplied Philips head mounting screw in the elongate slots. Attach the maglock to the mounting plate.
3. Using a hammer, lightly tap both roll pins into the armature plate until they are secure.
4. Before install the hexnut, the hole in the door may need to be driller or tapper. Make sure the that the armature plate is not over tightened and that it is installed as shown in the following diagram. The armature plate must be free to self-align with the door.
5. Ensure the armature and magnet are aligned. Adjust the mounting plate to suit and then drill the appropriately sized holes in the door header for the remaining attachment screws.
6. Close the door to test holding force. The angle between the armature plate and magnetic lock can be adjusted by adding or reducing washers.

Accessories

The following accessories are compatible with Neptune 280 series maglocks:

Description	Model	Size (unit:mm)	Suitable For	Weight
Armature plate	NEMLA1	205L x 45W x 20H	Wooden door and doors with thick door frame	0.20kg
L Bracket	NEMLB2 NEMLB2B	249L x 48W x 28.5H	Narrow door	0.27kg
LZ Bracket	NEMLB3 NEMLB3B	Z: 180L x 50W x 50H L: 249L x 48W x 28.5H	Inward-opening, narrow frame and metal doors	0.75kg
U Bracket	NEMLB7 NEMLB7B	180L x 38W x 28H	Frameless glass door	0.32kg

Warranty