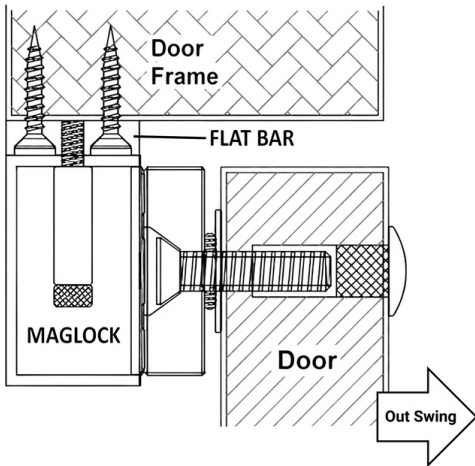


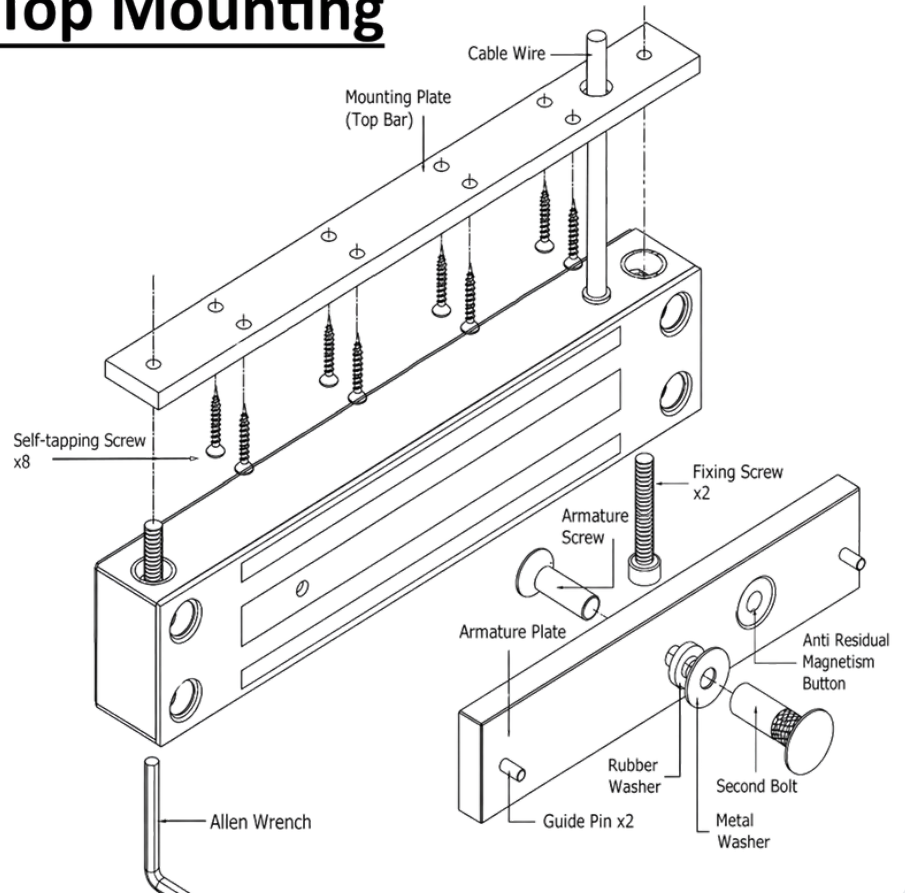
ELECTROMAGNETIC LOCK INSTALLATION GUIDE

For Outdoor Locations

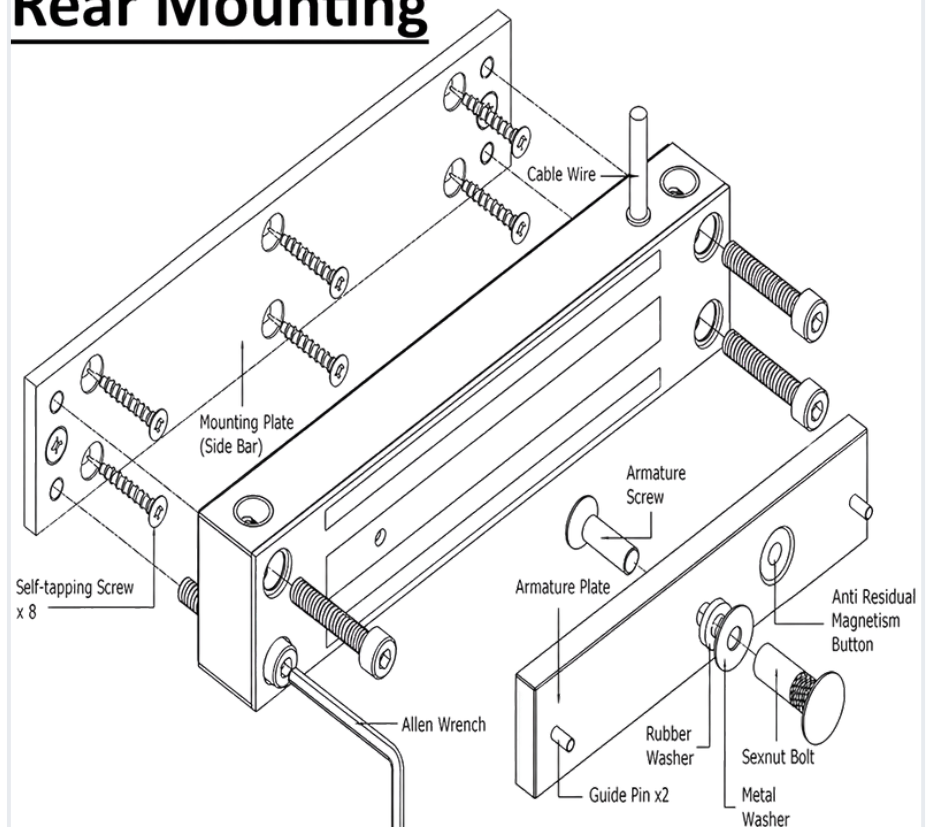
General Installation



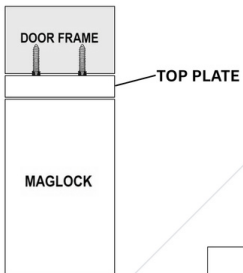
Top Mounting



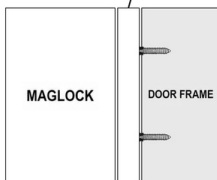
Rear Mounting



TOP MOUNTING



REAR PLATE



REAR MOUNTING

Installation Procedure

1. Position the armature plate on the door and mark the mounting and guide-pin holes. Drill the required holes to suit the supplied fixing hardware.
2. Install the armature plate using the supplied M8 screw, barrel nut, guide pins, rubber washer and metal washers. The rubber washer must allow the armature plate to pivot slightly for full contact with the lock face.
3. Close the door and mark the armature plate position on the door frame.
4. Secure the top or side mounting plate to the frame using the supplied screws or other suitable fixings.
5. Mounting plates are not supplied with all models.
6. Route the cable through the mounting plate and secure the electromagnetic lock using the supplied Allen screws.
7. Connect the lock to the correct 12 VDC or 24 VDC power supply according to the wiring instructions.
8. Energize the lock, close the door and check that the armature plate makes full contact with the lock face. Switch off the power and adjust the alignment if necessary.

Maintenance

- Clean the lock and armature surfaces with a dry cloth to remove dirt and moisture.
- Apply a very thin layer of suitable anti-corrosion oil to exposed metal surfaces and wipe off any excess.
- Inspect the lock every 3–6 months, or more frequently in harsh environments.
- Keep all screws tight and check for corrosion, damage and poor alignment.
- Suitable products include light anti-rust oil, silicone oil or WD-40 for short-term corrosion protection.

WIRING INSTRUCTIONS

⚠ Set the wiring correctly before power supply "ON"

1 SELECT CORRECT INPUT VOLTAGE

Please connect the wires according to the input voltage.
Disconnect the power supply before wiring.

12VDC CONNECTION

Yellow ——— + Positive (+)

Green ——— + Positive (+)

Brown ——— - Negative (-)

White ——— - Negative (-)

24VDC CONNECTION

Yellow ——— + Positive (+)

Green ——— + Positive (+)

Brown ——— - Negative (-)

White ——— - Negative (-)

Connect Together

CAUTION: Incorrect wiring may damage the electromagnetic lock.

2 LOCK STATUS RELAY OUTPUT (Monitored Models Only)

Gray	NC (Normally Closed)
Blue	NO (Normally Open)
Pink	COM (Common)

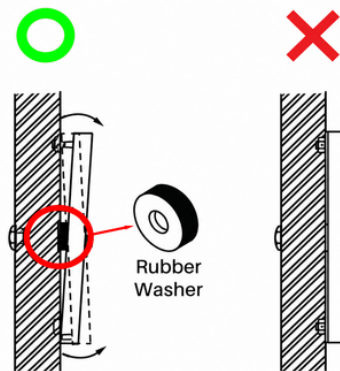
3 RELAY OUTPUT STATUS

LOCK STATUS	CLOSED CONTACT	DESCRIPTION
 Lock powered and armature fully engaged (Door Locked)	COM — NO 	The door is locked. Relay output is activated.
 Door open or armature not engaged (Door Unlocked)	COM — NC 	The door is unlocked. Relay output is deactivated.
 Power off	COM — NC 	When power is off, relay output is deactivated.

NOTE

- Use a regulated power supply only.
- For 24vdc connection, ensure Green and Brown wires are connected together.

Proper Armature Plate Installation



Troubleshooting

Problem	Check
Door does not lock	Check the power supply, input voltage and wiring.
Reduced holding force	Check alignment, full surface contact, dirt, corrosion and loose fixings.
Armature plate does not sit flat	Ensure the rubber washer is installed and the armature screw is not over-tightened.

Compatible Brackets

ZL Bracket

