

Mounting manual for surface electromagnets

1. Before mounting an electromagnet, please make sure that all the security requirements are being respected.
2. The purpose of the electromagnets being the securing of an access, they have to be mounted in such a way that they resist shocks, both from the door closing as well as from attempted break-ins.
3. An electromagnet should always be mounted on the secured side of the access. For this purpose, we have numerous mounting devices: AMLBx, AMZBx, UBGxy...

The whole system is only as strong as the weakest link.

General technical specifications :

Our electromagnets have the following specifications:

Control LED for the position and the securing of the door.

The LED indicator has three positions:

- White: The electromagnet is not supplied with current.
- Green: The door is closed and correctly locked.
- Red : The door is not correctly locked.

Monitoring relay : (not on entry level product)

Depending on the different versions, a reed contact or a relay permits you to remotely verify the status of the door. The contacts, NO/NC can be used both for control panels and for access control systems.

Choice of voltage supply : (not on NF series)

The voltage of our electromagnets can be 12 VDC or 24 VDC (48 VDC optional). The selection is made through jumpers on the electronic circuit. Remember : all the electromagnets are supplied with a 24 VDC factory setting. Do not forget to change this configuration if you are using 12 Volts.

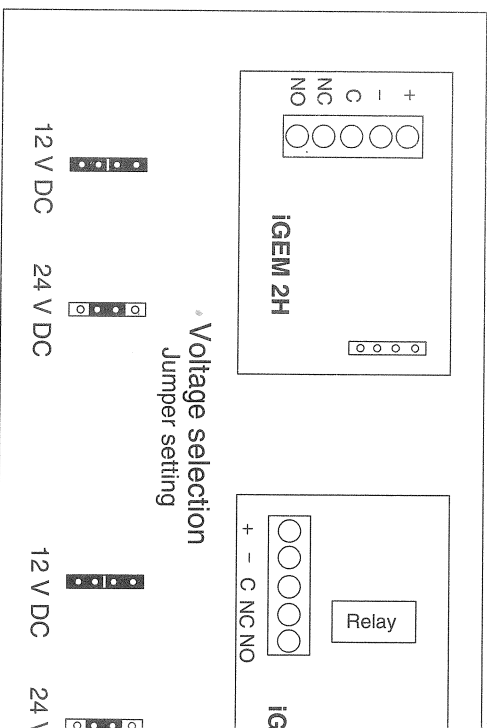
Installation kit:

Each electromagnet is delivered with a complete set of accessories allowing its correct mounting on a standard support. In the case of a wooden door frame, it is recommended to use screws of an appropriate length.

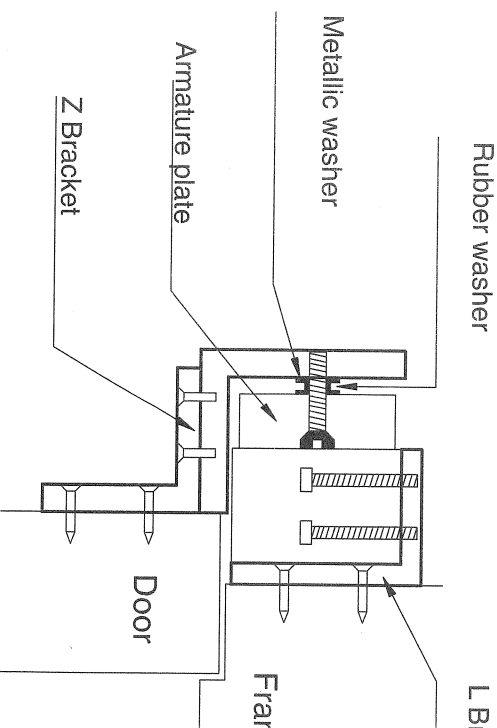
Environment :

The reputation of our electromagnets was achieved amongst other things through a very high standard of anti-corrosion treatment. They can therefore be mounted outside, as long as the necessary precautions have been taken regarding the power supply. For harsh environments, we developed the iGEM 5000 series.

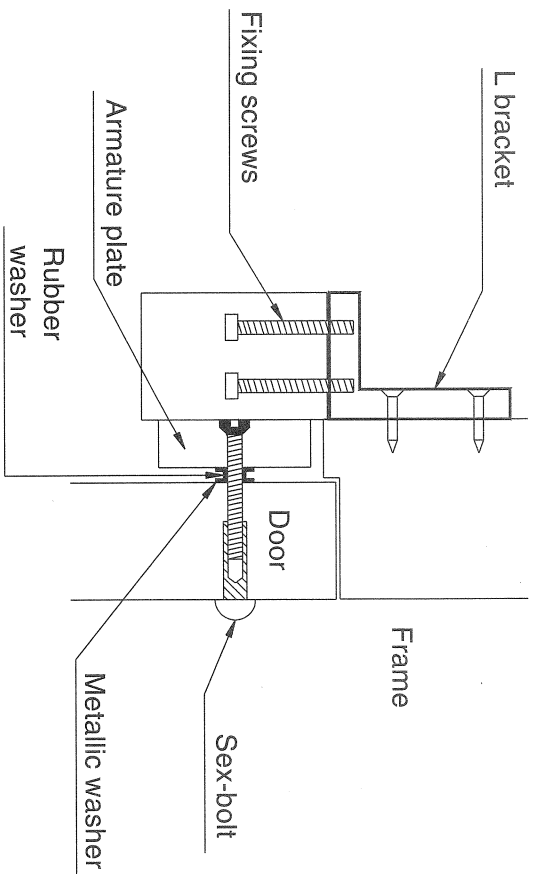
Choice of voltage and connector



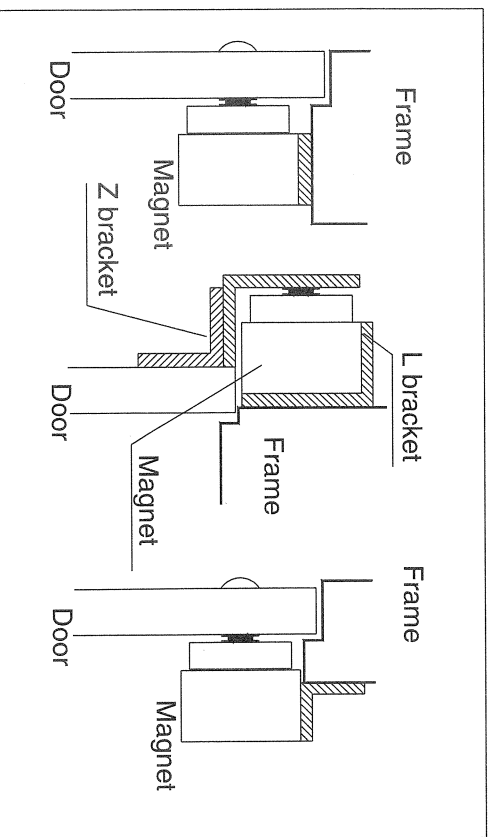
Mounting of a magnet on top of the door with a Z bracket accessory



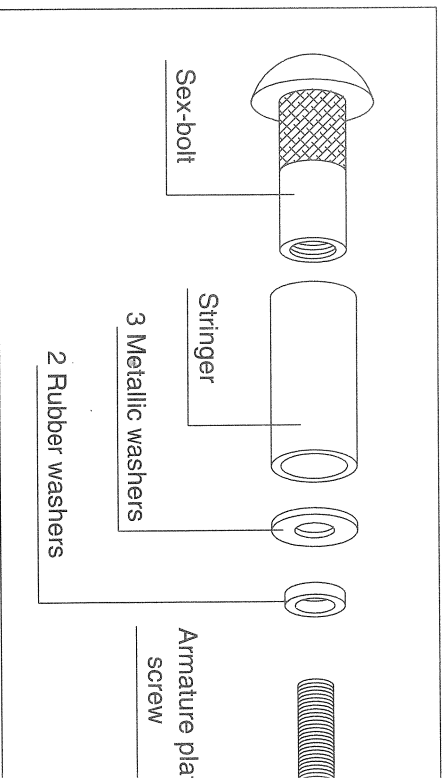
Typical installation



Mounting of accessories



Mounting of the armature plate



The armature plate should be mounted using the accessories delivered and above. The use of accessories other than the original ones can lead to a significant deterioration of the magnet's performance.

