TRIPLE W
Criamos Segurança!

YM-280N-EX

280KG ANTI-EXPLOSION ELECTROMAGNET

ATEX

The explosion-proof electromagnetic lock is manufactured in accordance with the relevant provisions of EU regulations 2014/34/EU.

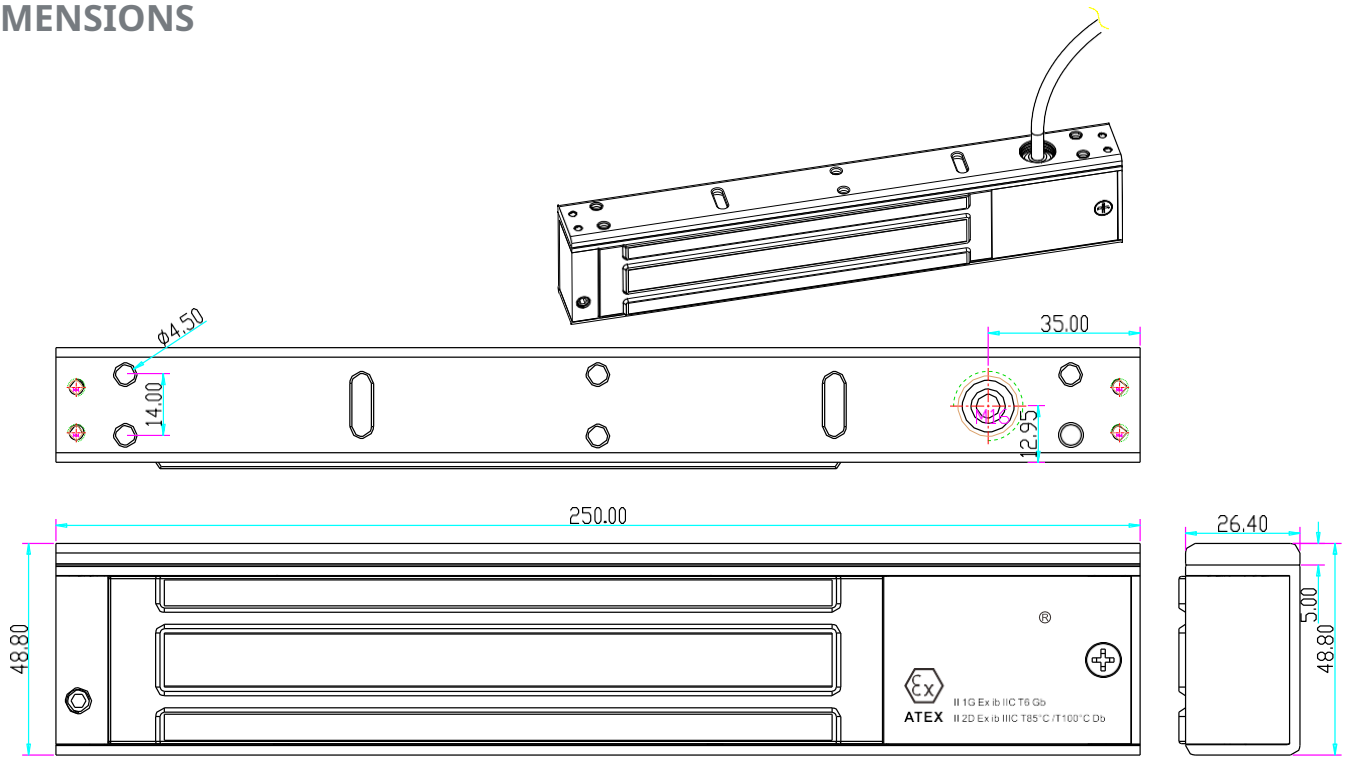
Youproducts have been certified by the EU ATEX explosion-proof testing institution.

Technical specifications

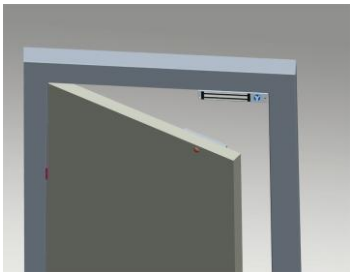
Dimensions (mm)	250 x 48.8 x 26.4 mm Piston - 180 x 38.8 x 13 mm
Weight (kg)	2.3 kg
Strength	280 kg
Voltage (V)	12V DC
Current (mA)	12V DC / 550mA
Maximum consumption (W)	6.6W
IP rating	IP66
Certification	ECM 22 ATEX-B Cd66 II 1G EX ib IIC T6 Gb II 2D EX ib IIIC T85°C/T100°C Db
Working Temperature (°C)	- 20 + 55° C

Diagram

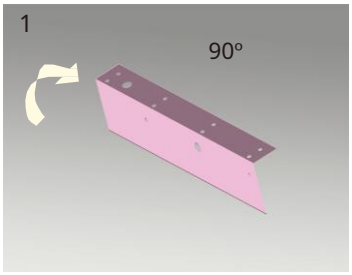
DIMENSIONS



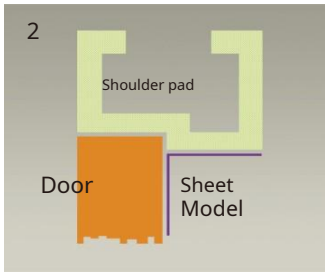
INSTALLATION



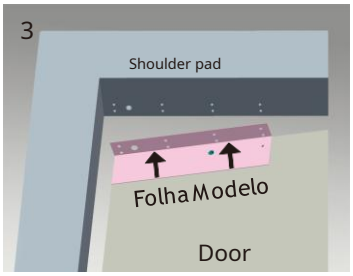
Steps



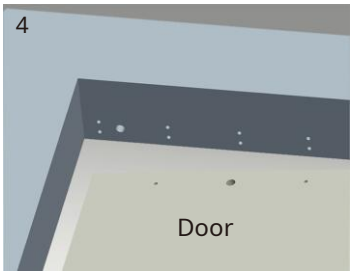
Fold the sheet with the markings;



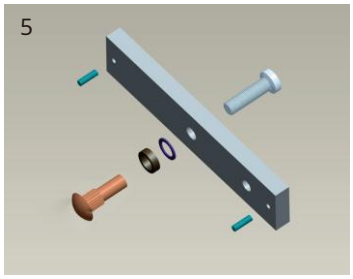
Close the door and place the template sheet with the markings in the desired position;



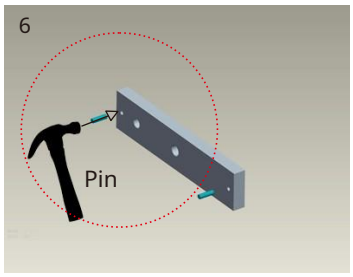
Mark on the door and shoulder the location of the screws in the fitting plate;



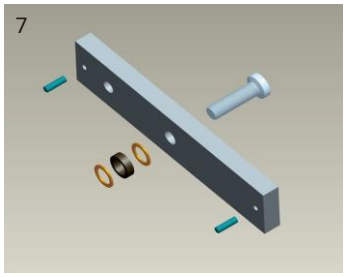
Drill the marks;



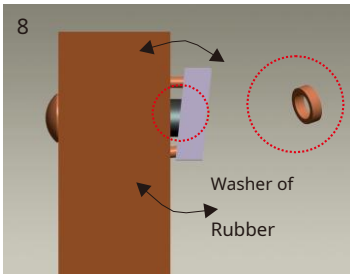
Fit the pieces onto the board;.



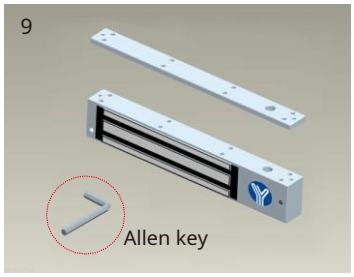
Using a hammer, fit the pin into the plate, so as to avoid movements or tremors;



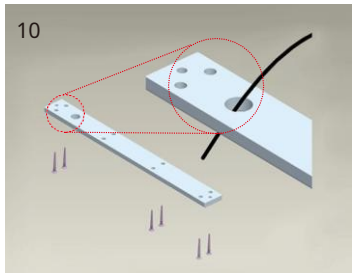
Assemble the components as shown in the image, not forgetting the rubber washers;



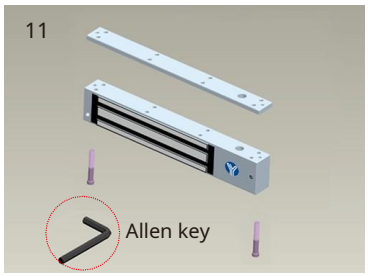
Place the rubber washer between the plate and the door;



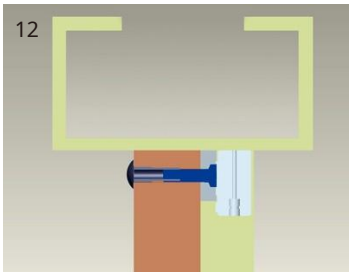
Use the Allen key to separate the plate from the electromagnet body;



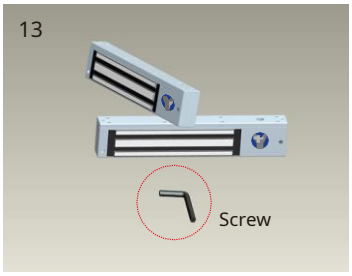
Fix the plate to the door frame according to the holes;



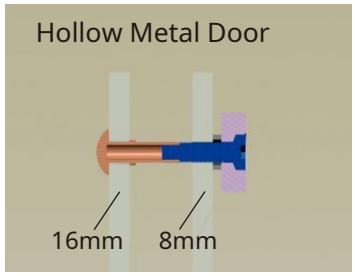
Use the Allen key to attach the electromagnet to the plate;



Close the door to test the retention force. The distance between the plate and the electromagnet can be adjusted with the washers;

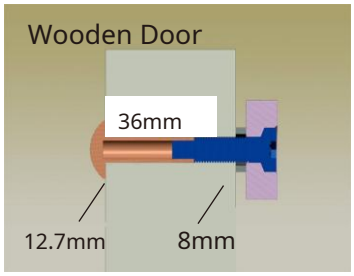


Fix the anti-vandalism screw;



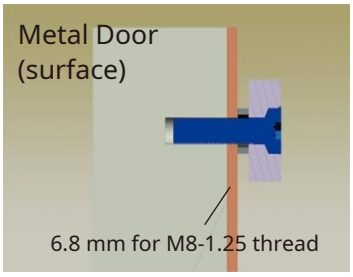
Make a hole with the measurements InteriorDoor: 8 mm

Exterior Door: 16 mm



Make a hole with the measurements InteriorDoor: 8 mm

Exterior Door: 12.7 mm



Interior Door: make an 8mm hole

⚠Notice:

Model vs Door Thickness 350: 44mm

600: 50mm 800: 48mm 1200: 46mm

A. The armor plate screw should not be too tight as this may damage the rubber washer. The washer should have enough elasticity to ensure the plate is properly adjusted.

B. Check whether the required current is 12VDC or 24VDC.

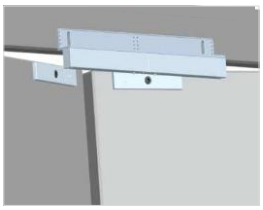
INSTALLATION

We have several models of brackets available for the desired door (wood, metal, glass) and the type of opening (single or double leaf door).

“L” Square

Required when the door thickness is greater than 42mm.

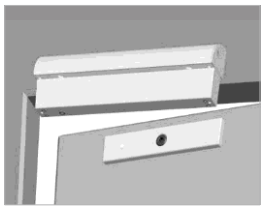
Square for single door



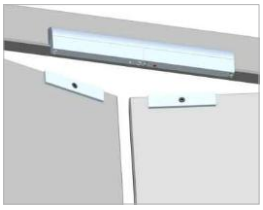
Double door square

Protection Squadron

Ideal for protecting and hiding electrical wires, a single piece that overlaps the electromagnet.



Square for single door

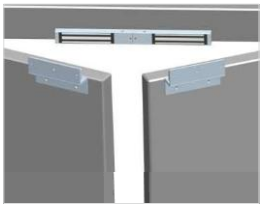


Double door square

“ZL” Square

Required for inward-opening doors.

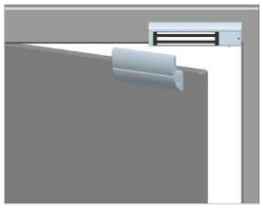
Square for single door



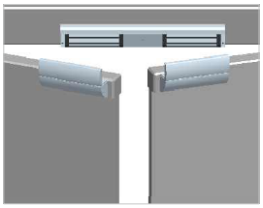
Double door square

Protective bracket for inward-opening doors

Ideal for protecting and hiding electrical wires, a single piece that overlaps the electromagnet.



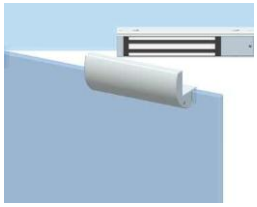
Square for single door



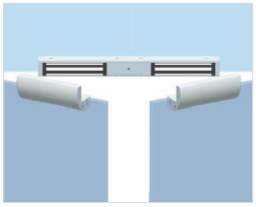
Double door square

“GZ” Square

Durable, professional-looking single piece with easy installation and suitable for 10-15mm frameless glass doors



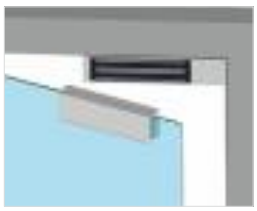
Square for single door



Double door square

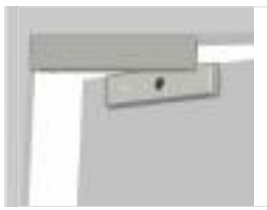
“U” Square – Fixing Sleeve

For glass doors 10 to 12 mm thick



Extension Square

For doors with greater thickness, in conjunction with the “L” square



WIRING DIAGRAM AND SCHEME

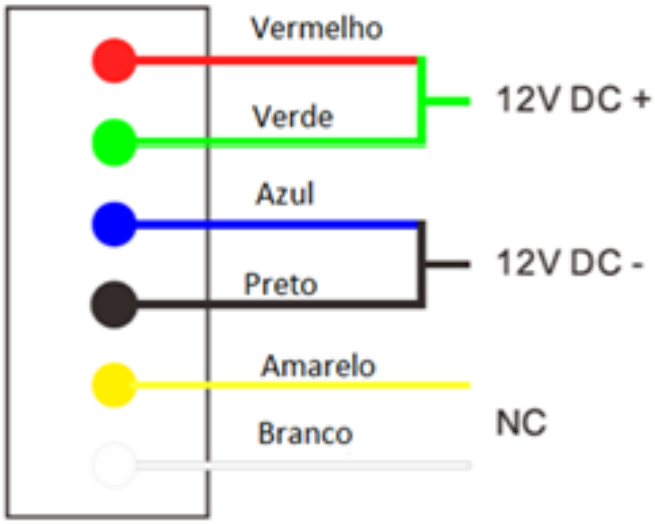


Diagram for double door electromagnet

Connection: green or white connection, except for models without output for LED status indicator light; only when it is detected that both doors are closed will a signal be transmitted.