

## DATA SHEET

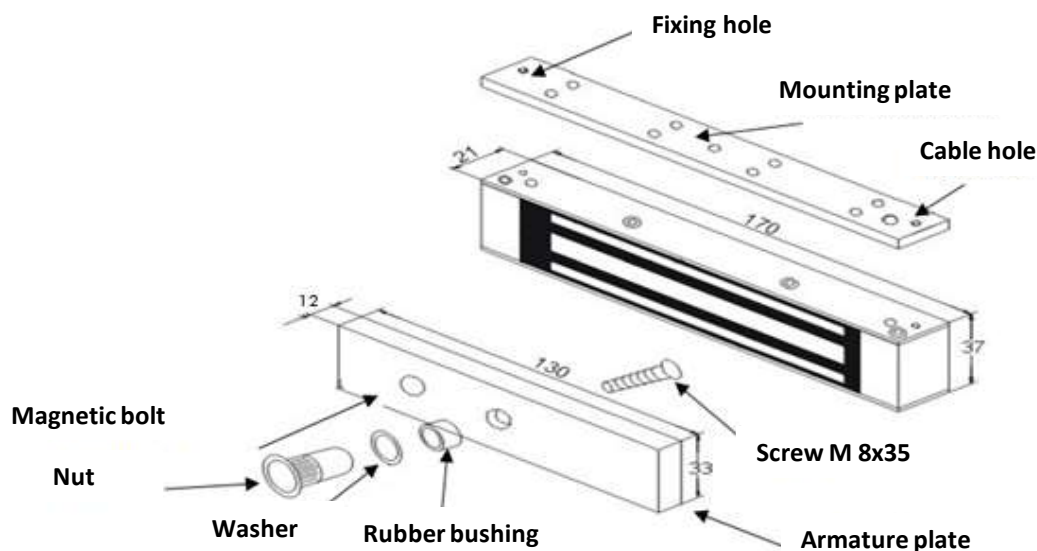
### Electromagnetic Lock with Door Status Sensor, Force 180Kg



EM-180-S

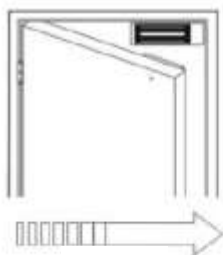
- Model: EM-180-S
- Holding Force: 180 Kg
- Operating Voltage: 12 VDC/300mA | 24 VDC/165mA
- With a door status sensor
- Safety for people: Door opens when power fails
- Anodized aluminium box
- Galvanized steel magnets
- Size: 170x37x21 mm
- Operating temperature: -10 ~+55°C (14-131F)

## Dimension

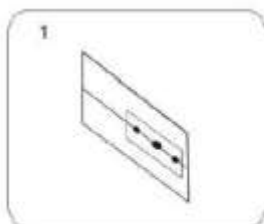




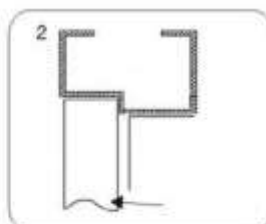
## Installation



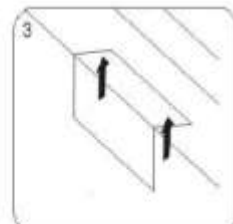
Steps



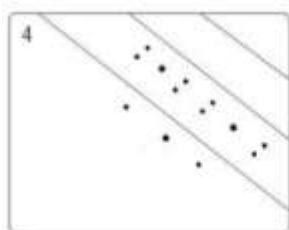
Template



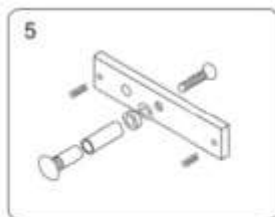
Close the door, place the template on the frame



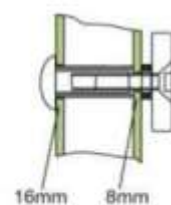
Draw the holes on the frame and on the door



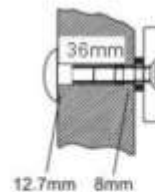
Drill with the right bore



Install the armature plate on the door wing



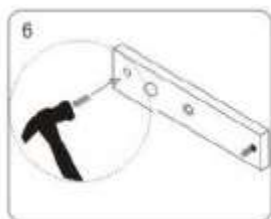
Metallic whole  
Int. hole 8mm  
Ext. hole 16mm



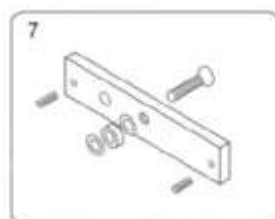
Wood  
Int. hole 8mm  
Ext. hole 13mm



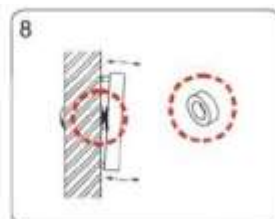
Plated  
Int. hole 8mm



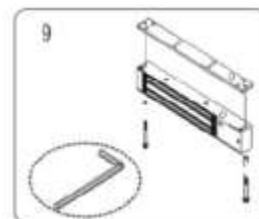
Place bolts in the armature plate



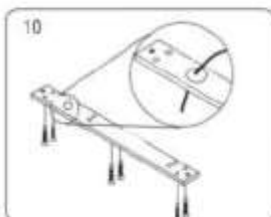
Place washers in the armature plate according to the design



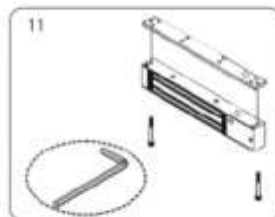
Place washers between the armature plate and door



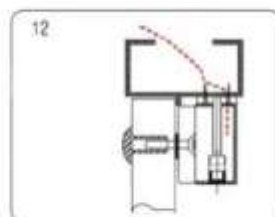
Use the hex key to remove the mounting plate



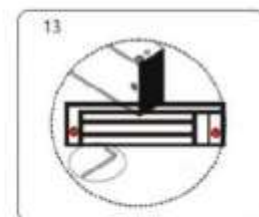
Pass cable through the hole and tighten the plate to the door frame



Tighten lock body to the plate



Close and pull door to test pulling force



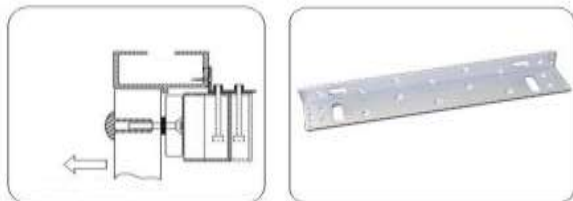
Tighten back fixing screws





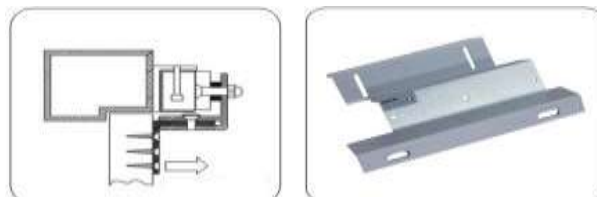
## Bracket Installation

### L-Shaped Bracket



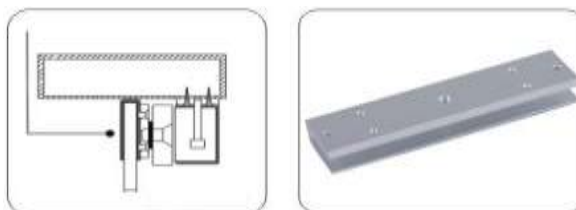
When door frame is less than 42 mm or door opens up outwards, is necessary to install a L-shaped bracket

### ZL-Shaped Bracket



When door opens up inwards is necessary to install a ZL-shaped bracket

### U-Shaped Bracket

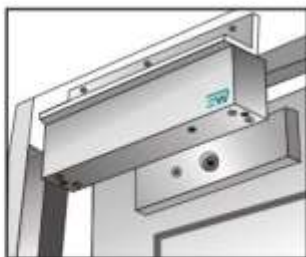


For 10 to 15 mm tempered glass doors is necessary to install a U-shaped bracket

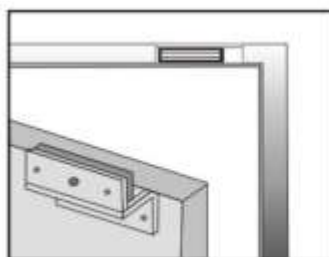
## Installation Instructions



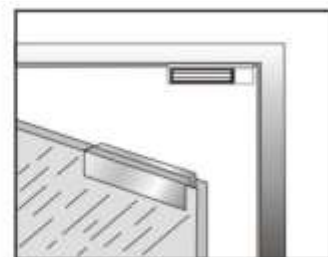
Straight Fixing



L-Shaped Bracket

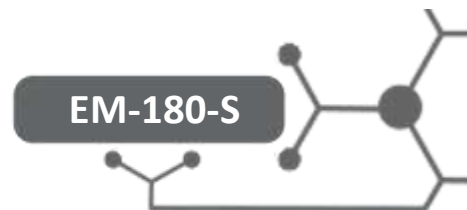


ZL-Shaped Bracket



U-Shaped Bracket (glass)





## Warranty

Every product marketed by Triplo W Lda., have a two-year warranty for manufacturing defects. Every equipment sold is checked at our facilities for defects; and if it is unrepairable, it shall be replaced with a new product, according to the corresponding warranty.

For additional information check our conditions of sale at:  
<https://www.triplow.pt/loja/termos-e-condicoes>

