

TECHNICAL SHEET

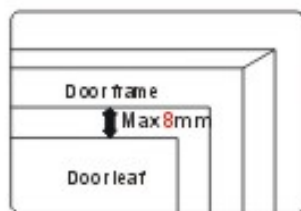
High security electromagnet – Shearlock 900Kg



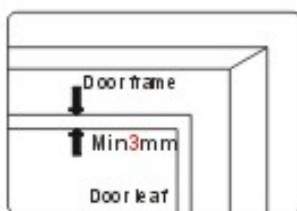
GS500

- Model: GS500
- Closing timer (delay)
- Door status signal
- Applicable to doors opening at 90° or 180° (swing)
- Traction force: 900 kg
- Power: 12/24 V DC (adjustable)
- Fail Safe (opens in case of power outage)
- Suitable for wooden or aluminum doors

Specifications



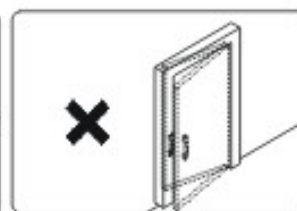
Maximum gap: 8 mm



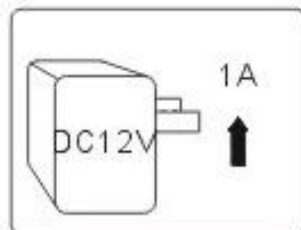
Minimum interval: 3 mm



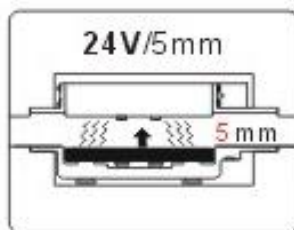
Correct closure



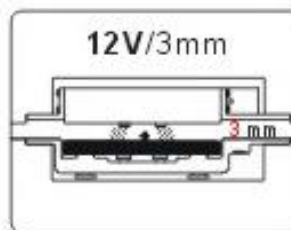
Incorrect positioning



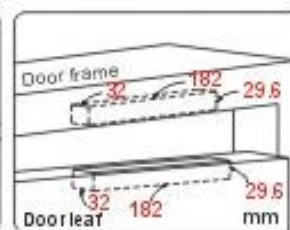
Minimum current 1A@12V



Maximum magnetic distance



Maximum magnetic distance



Minimum installation space





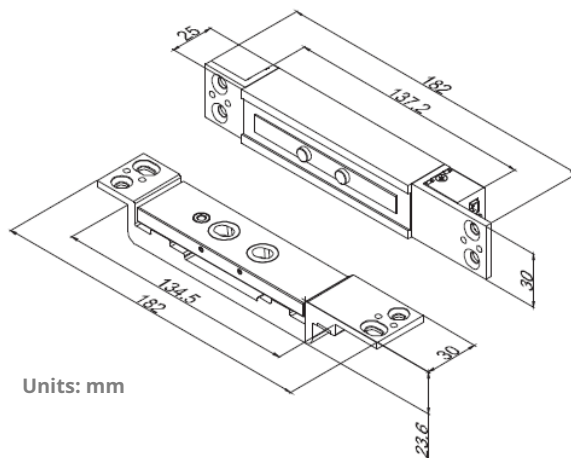
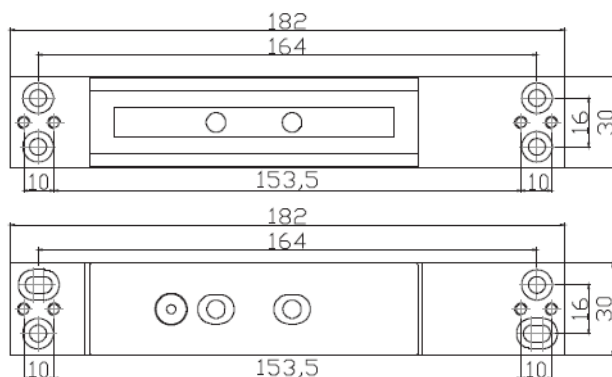
Triplow

GS500



Power (V)	DC 12V/24V
Intensity	Load (peak): 900mA (min)/12VDC Operation (holding): 220mA/12VDC
	Load (peak): 900mA (min)/24VDC Operation (holding): 190mA/24VDC
Status signal	NO and NC
Timing (delay)	0.5 to 25 seconds
Traction force	900 kg
Operating temperature	- 30°C to 50°C
Weight	1.2 kg
Distance between plate/shearlock (max.)	3.0mm@12V / 5.0mm@24V

Dimensions



Units: mm










Before installation, check that the installation location on the door frame and door leaf has sufficient space for the shearlock to be installed.

Make sure the door's closing position is aligned with the frame to ensure proper operation of the shearlock. You can use a door closing mechanism such as a hydraulic spring or an automatic door closer.

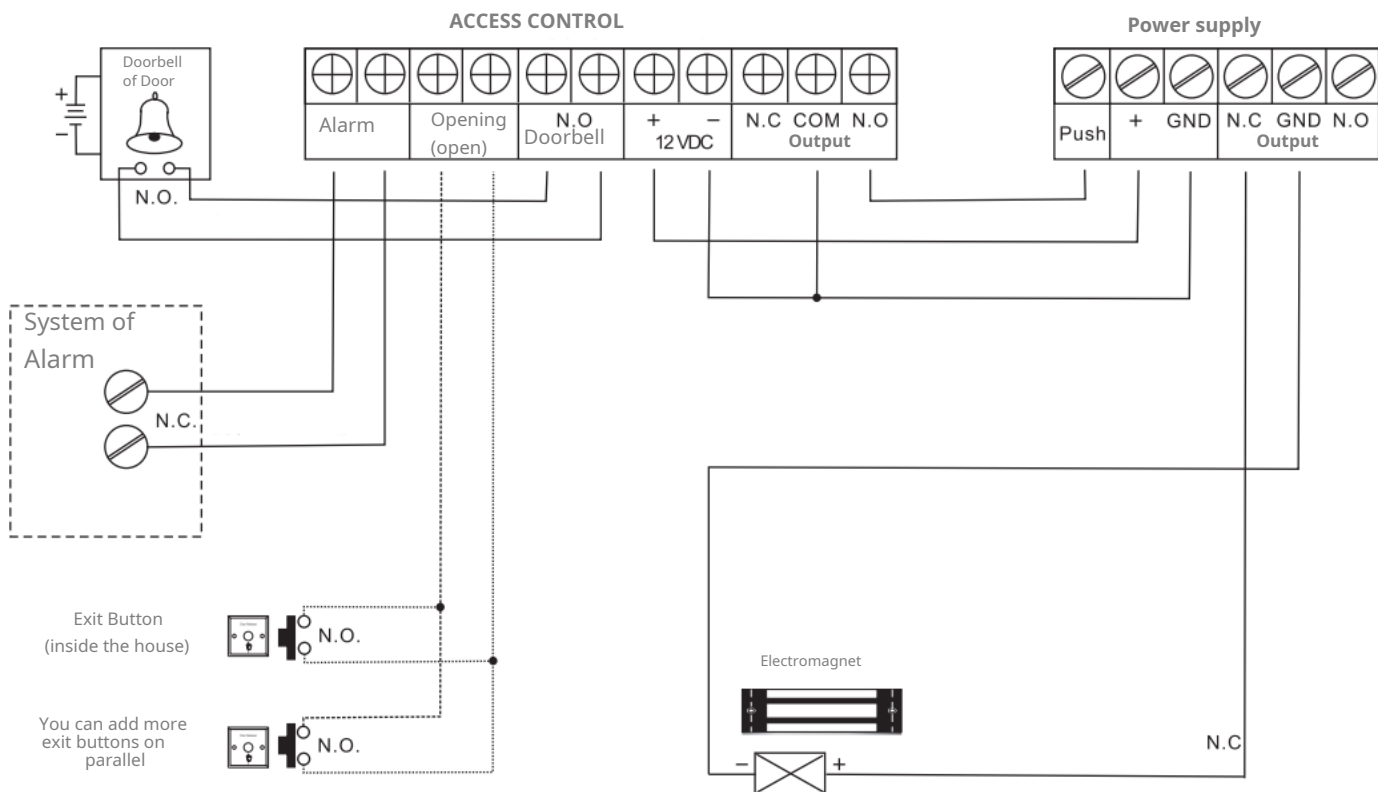




Connections – terminal colors

	GND		12/24 VDC
	Status LED (black wire)		Status LED (blue wire)
	Open/closed status sensor NO		n/a
	NC open/closed status sensor		COM port status/position sensor
	COM open/closed status sensor		NC door status/position sensor

Wiring Diagram



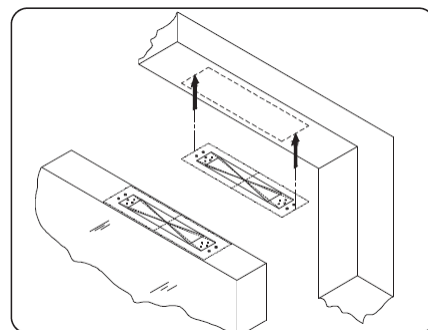
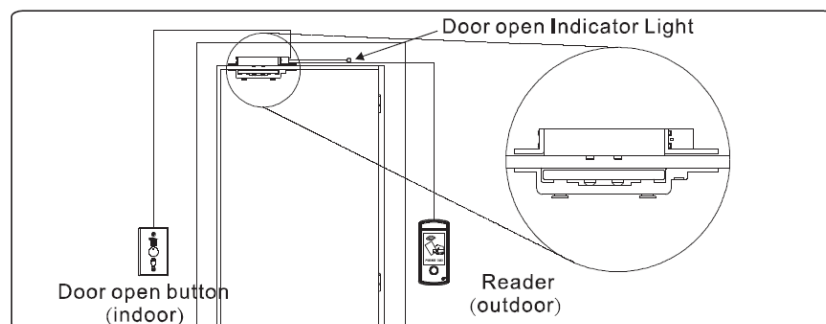


Assembly instructions

1. Check the installation position.

Horizontally on the top frame of the door or vertically on the side frame of the door.

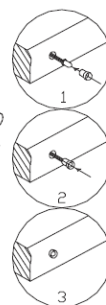
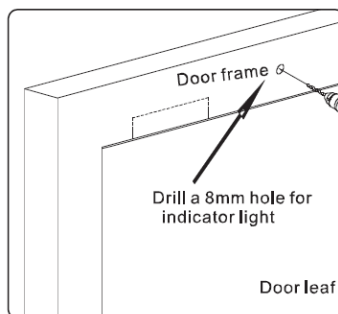
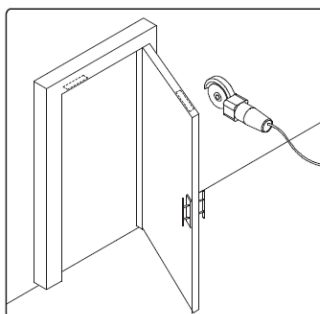
Place the drilling sticker at the installation location. Make sure the guide lines are aligned.



2. Cut the door frame and door leaf

Make the necessary cuts to embed the shearlock in the door frame and door leaf. Drill

a hole in the door frame for the indicator light.

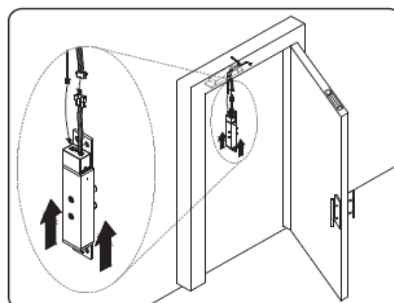
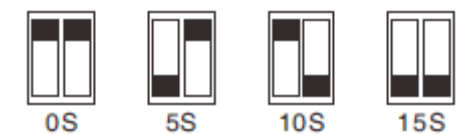


3. Connections

On page 3 you will find the wiring diagram and the respective terminal colors.

Adjust the timer (delay).

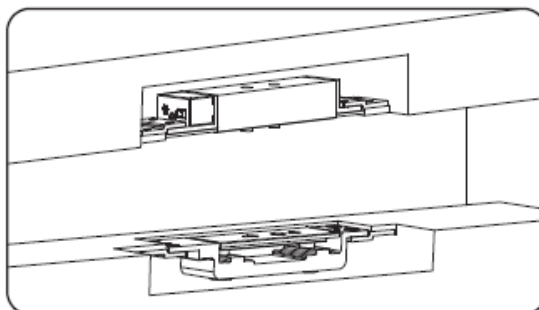
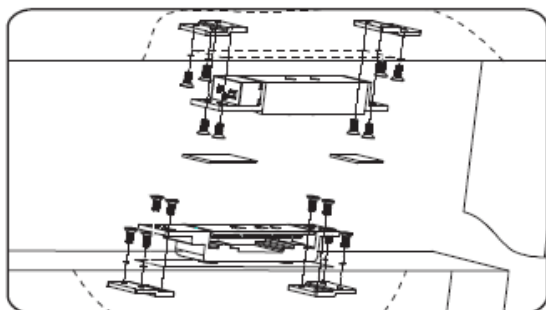
Timer





4. Attach the shearlock and the armor (metal plate)

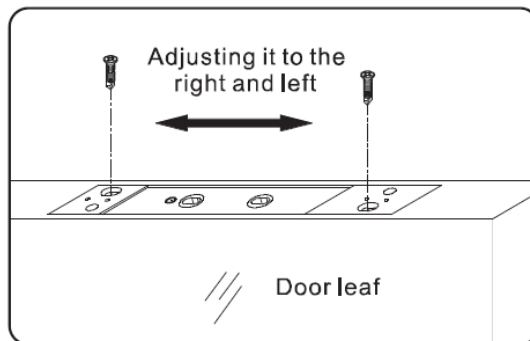
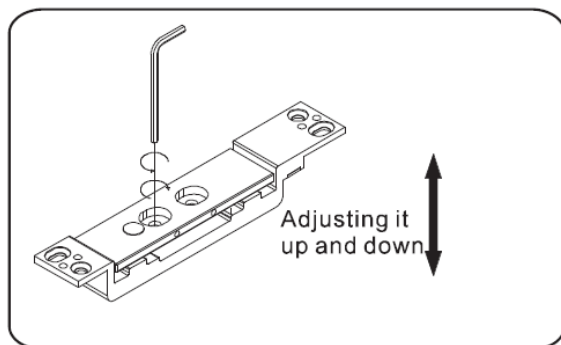
Use the fastening material (screws and supports) to apply the shearlock and reinforcement.



5. Tuning

Feed the shearlock and close the door to ensure both parts fit snugly. Adjust the frame screws if there are any anomalies in the closing/opening.

The maximum clearance between the shearlock and the armature is 3mm for 12V or 5mm for 24V.



Installation video
GS500
Electrogenetic Lock

