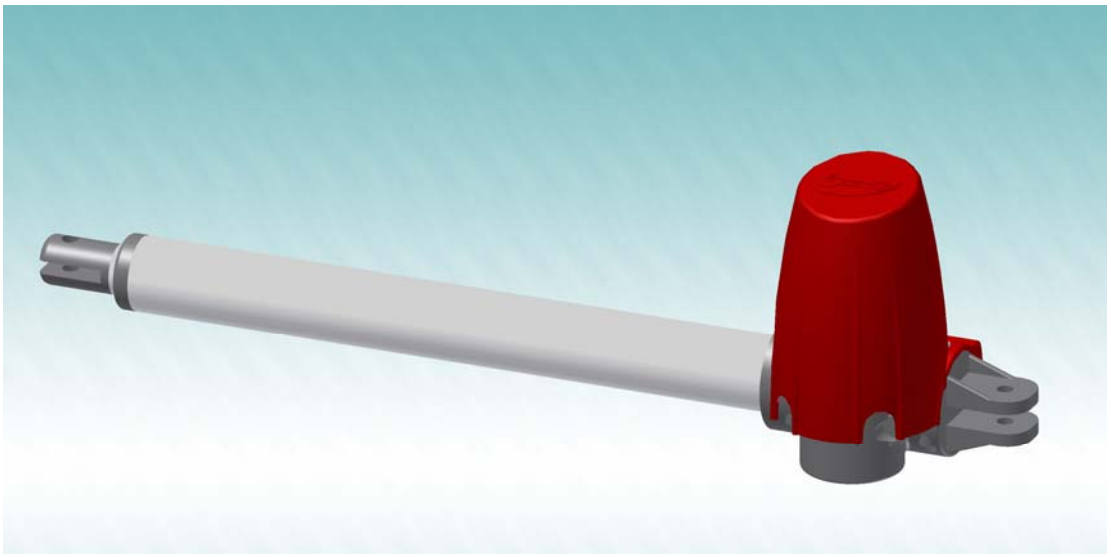


HERMES

Motoriduttore elettromeccanico per cancelli battenti

The electromechanical gear motor for swing gates

Motoréducteur électromécanique pour portails à battants

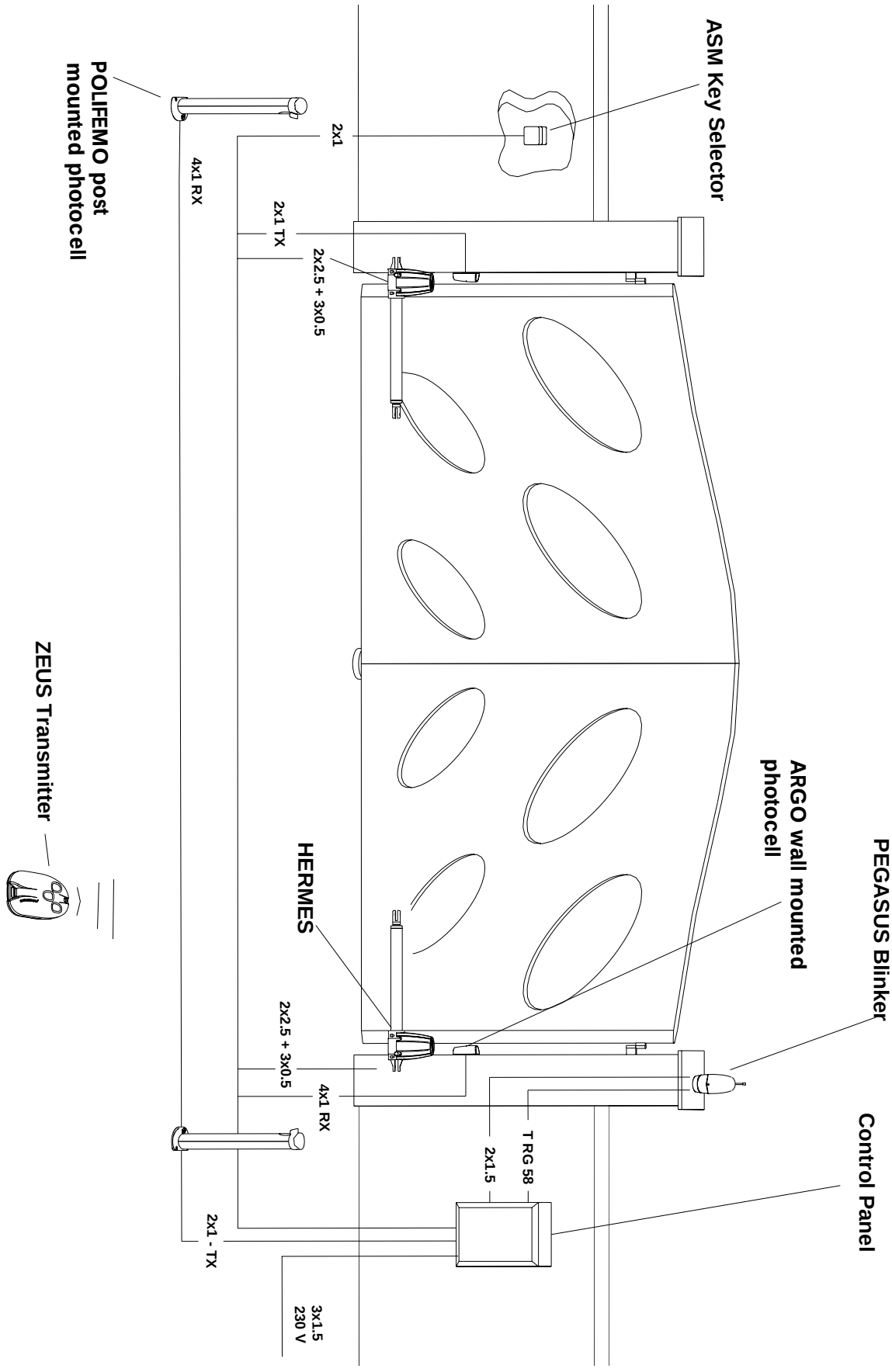
Elektromechanischer Getriebemotor für Flügeltoranlagen

CE

Attention!

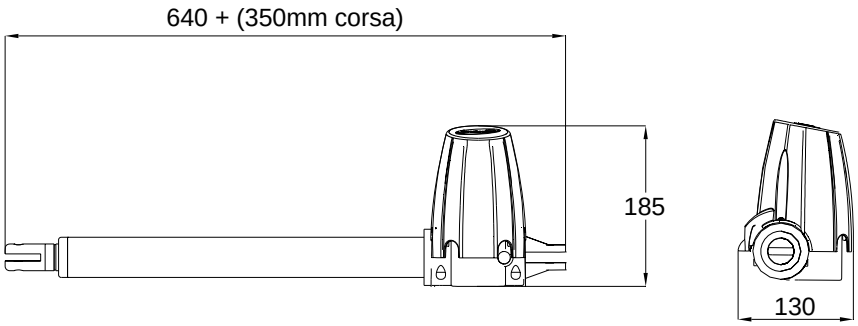
- **This manual is for qualified installers only and not for the end user. It is the installer's job to explain to the user how the automatism works, about possible hazards related to it and the need for periodical maintenance.**
- **Installation must be carried out by qualified personnel only, observing current standards concerning automatic closing systems. More specifically, installation conformity calls for observance of directive 89/392 and standards EN 12453 and EN 12445.**
- **Make absolutely certain the power is disconnected before carrying out any work on the device.**
- **The power lead must only be connected to supply lines fitted with adequate electrical protection; a circuit breaker must also be installed to guarantee disconnection of all the phases from the mains with a distance of at least 3.5 mm between the contacts.**
- **Be particularly careful when evaluating the safety devices to install and their location. Always install an emergency stop device that will cut power off in the case of necessity.**
- **Use original components only. Stagnoli is not liable for damages if any other components are used.**
- **Do not work on the device if your hands or feet are damp or wet and do not leave it outdoors exposed to the weather.**
- **This device must only be used for the purpose it has been expressly designed, any other use is considered improper and therefore dangerous.**
- **Only qualified personnel must be allowed to service the unit, including changing the courtesy light bulb whenever needed.**
- **Make sure that the gate structure is solid, well balanced and suitable to be motorised. Also ensure there are no points of friction when the gate is moving.**

HERMES: general application



Hermes technical specifications

Technical data	HERMES
Supply	230V~ 50Hz
Input current (A)	0,7
Motor supply	24V⎓
Motor power (W)	100
Manoeuvre time 90° (sec)	15-20
Thrust force (N)	1200
Working temperature (°C)	-20 ...+60
Duty cycle (%)	70
IP protection level	43
Weight (Kg)	3

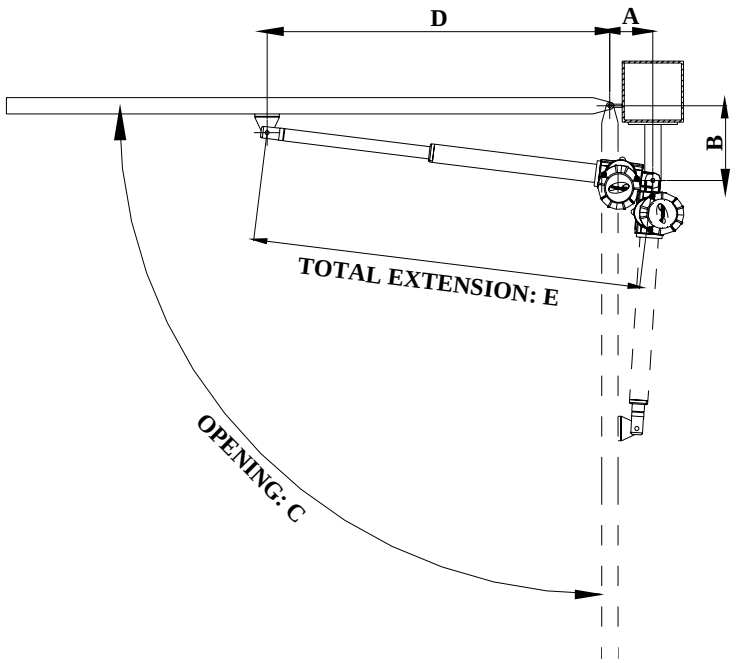


Limits of use

GATE	1 m	1.5 m	1.8 m	2 m
250 kg	●			
200 kg	●	●		
150 kg	●	●	●	
100 kg	●	●	●	●

Preliminary checks and fixing the gear motor

- Check that the gate structure is sufficiently sturdy and there are no points of friction.
- Make sure the gate hinges are working properly and adequately lubricated.
- Check there are mechanical stops in closing and opening.
- Prepare for fixing the gear motor to the gate as illustrated in figure 1.



OPENING ANGLE (C)

B \ A	80	100	120	140	160	180	200	220	240	260
100	92	101	109	116	122	120	109	103	98	94
120	91	99	106	113	118	111	103	97	93	90
140	90	97	104	110	115	103	97	92		
160		96	102	108	104	96	91			
180		95	101	106	95	90				
200		94	99	94						
220		93	93							
240		92								

FRONT BRACKET POSITION (D)

B \ A	80	100	120	140	160	180	200	220	240	260
100	712	727	744	761	779	785	765	745	725	705
120	730	744	758	774	791	784	764	744	724	704
140		761	774	789	803	783	763	743		
160		779	791	804	802	782	762			
180		797	808	820	800					
200		815	825	818						
220		834	835							
240		852								

TOTAL EXTENSION (E)

B \ A	80	100	120	140	160	180	200	220	240	260
100	792	827	864	901	939	965	965	965	965	965
120	811	844	879	915	951	965	965	965	965	965
140		863	896	930	965	965	965	965		
160		882	914	947	965	965	965			
180		902	933	965	965					
200		923	953	965						
220		945	965							
240		965								

Figure 1

Fixing the brackets to the post and gate

Once you have verified the optimum conditions for placing the plates and their alignment (fig. 2), fix them definitively to the post and gate, either welding them or using expansion bolts (on masonry posts).

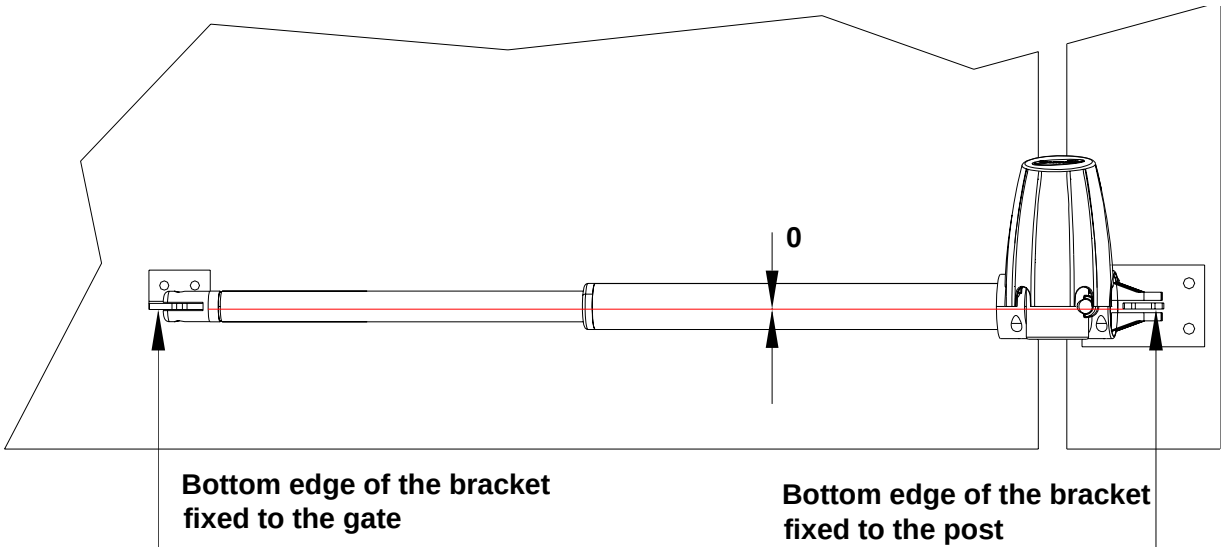


figure 2

Fixing the gear motor

Lock the gear motor at the back with a hex head screw and relative nut and washer .

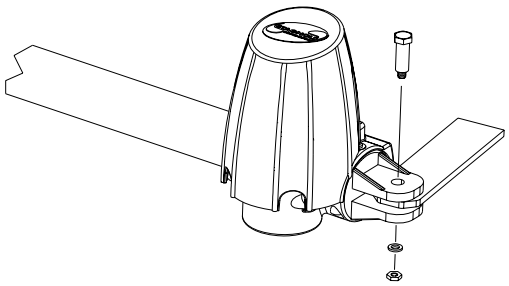


figure 3

Position the gear motor frontwards with the hex head screw and relative nut and washer.

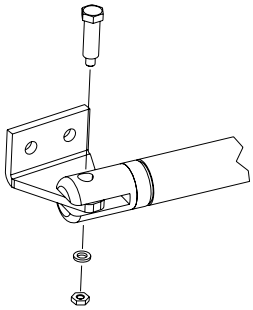
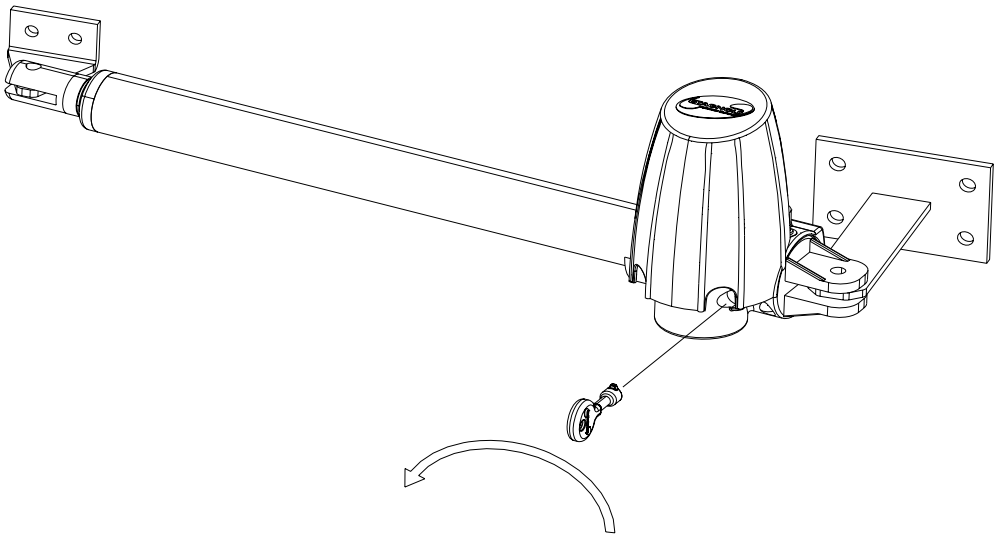


figure 4

Manual release

1. Put the key in with the point facing upwards and turn it counter clockwise 90°.
2. Move the gate by hand



Hermes electrical connections

- Utilise the appropriate control unit (code BU...)
- Connect the gear motor to the unit following the diagram.