

HERMES

**I - Motoriduttore elettromeccanico per cancelli battenti con fermi e
senza fermi meccanici**

**GB - The electromechanical gear motor for swing gates with end
without mechanical stops**

**F - Motoréducteur électromécanique pour portails à battants avec
ou sans butées mécaniques**

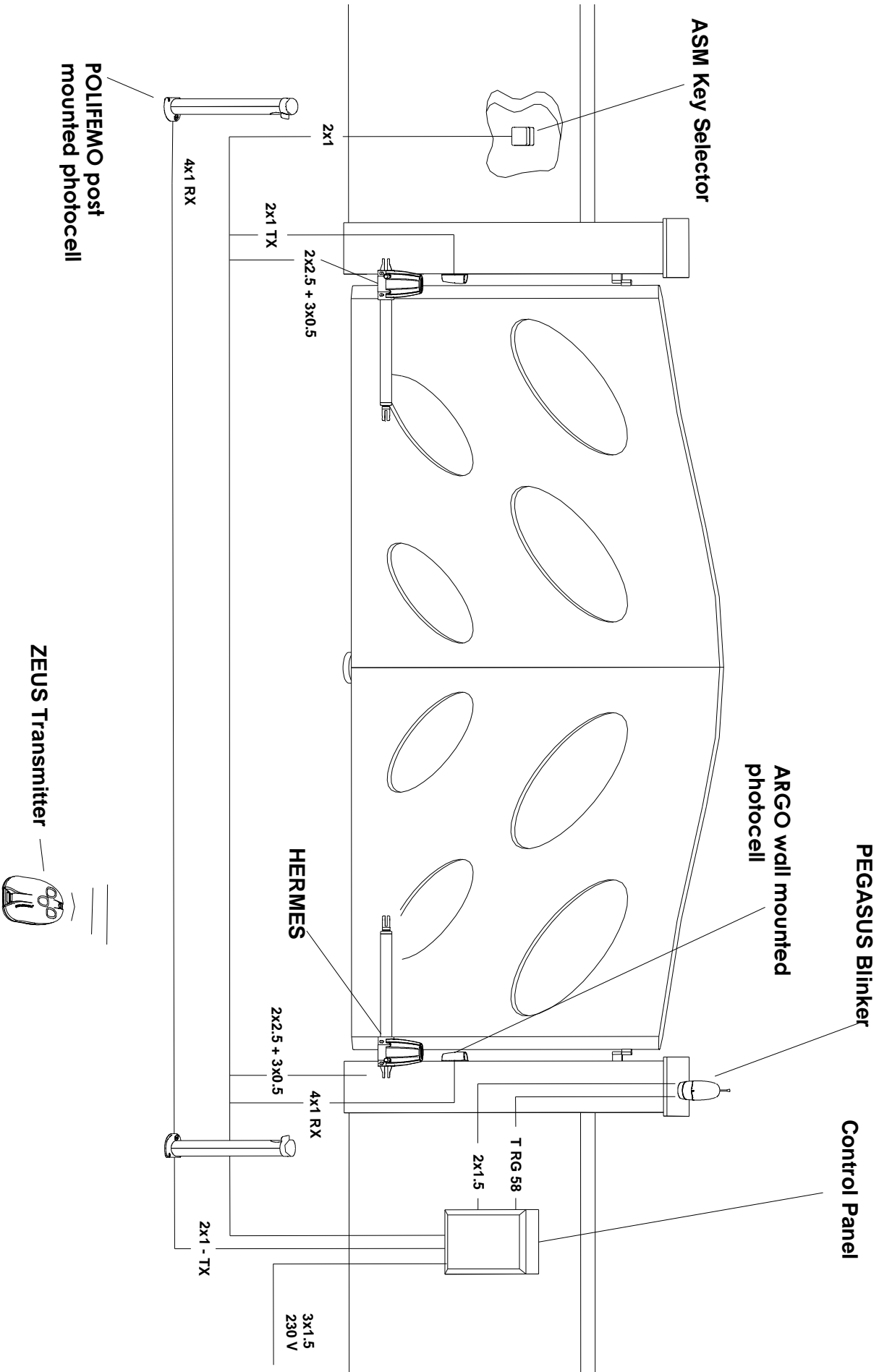




Attention!

- 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.

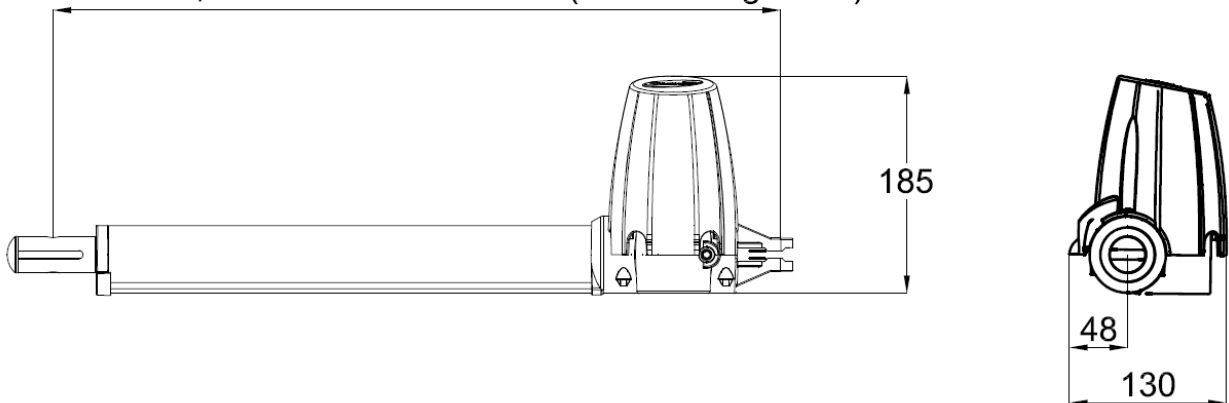
HERMES: general application



Technical data	HERMES
Supply	230V~ 50Hz
Input current (A)	0,7
Motor supply	24V $\frac{---}{---$
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	44
Weight (Kg)	3

technical specifications

WITH STOPS, LONG MODEL 730 + (420 working travel)
 WITH STOPS, SHORT MODEL 630 + (320 working travel)
 WITHOUT STOPS, LONG MODEL 710 + (465 working travel)
 WITHOUT STOPS, SHORT MODEL 610 + (365 working travel)

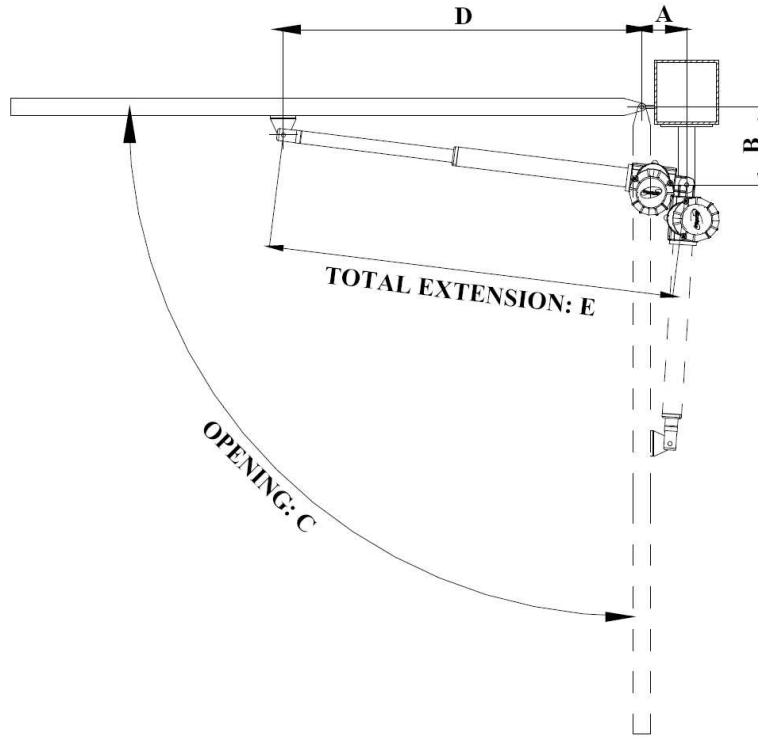


Limits of use

	SHORT HERMES				LONG HERMES			
	1 m	1,5 m	1,8 m	2 m	1 m	1,5 m	2 m	2,5 m
200 kg	●				●	●		
150 kg	●	●			●	●	●	
120 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.



Attention!

To ensure the smooth operation of the engine installation of units strictly observe the following.

TABLE OF INSTALLATION QUOTE FOR HERMES WITHOUT MECHANICAL STOPS										
OPENING ANGLE : C										
B \ A	80	100	120	140	160	180	200	220	240	260
100	90	100	110	115	120	105	100	95	90	90
120	90	100	110	110	110	100	95	90		
140		100	105	105	100	95	90			
160		95	100	100	90					
180		95	95							
200		95								
POSITION FRONT BRACKET : D										
B \ A	80	100	120	140	160	180	200	220	240	260
100	730	745	765	780	795	770	755	735	710	700
120	750	765	785	790	795	775	755	735		
140		785	795	800	795	775	755			
160		800	805	810	785					
180		820	820							
200		840								

TOTAL EXETENTION : E										
B \ A	80	100	120	140	160	180	200	220	240	260
100	810	846	885	920	956	951	956	956	951	961
120	832	867	907	932	957	957	957	957		
140		888	918	943	958	958	958			
160		905	930	955	950					
180		927	947							
200		950								



Attention!

Before any power to the motor, including the planning stage, it is necessary to achieve the right positioning and passage of the mechanical stops.

TABLE OF INSTALLATION QUOTE FOR HERMES WITH MECHANICAL STOPS									
ANGOLO DI APERTURA : C									
B \ A	80	100	120	140	160	180	200	220	
100		105	110	115	110	100	95	90	
120		100	110	110	100	95	90		
140	90	100	105	105	95	90			
160	90	95	100						
180		95	95						
200		90							
POSITION FRONT BRACKET : D									
B \ A	80	100	120	140	160	180	200	220	
100		810	800	800	790	760	740	725	
120		810	810	800	785	765	745		
140	830	810	820	805	785	765			
160	830	830	820						
180		830	825						
200		835							
TOTAL EXETENTION : E									
B \ A	80	100	120	140	160	180	200	220	
100		911	921	941	951	941	941	946	
120		912	932	942	947	947	947		
140	913	913	943	948	948	948			
160	915	935	945						
180		937	952						
200		945							

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).

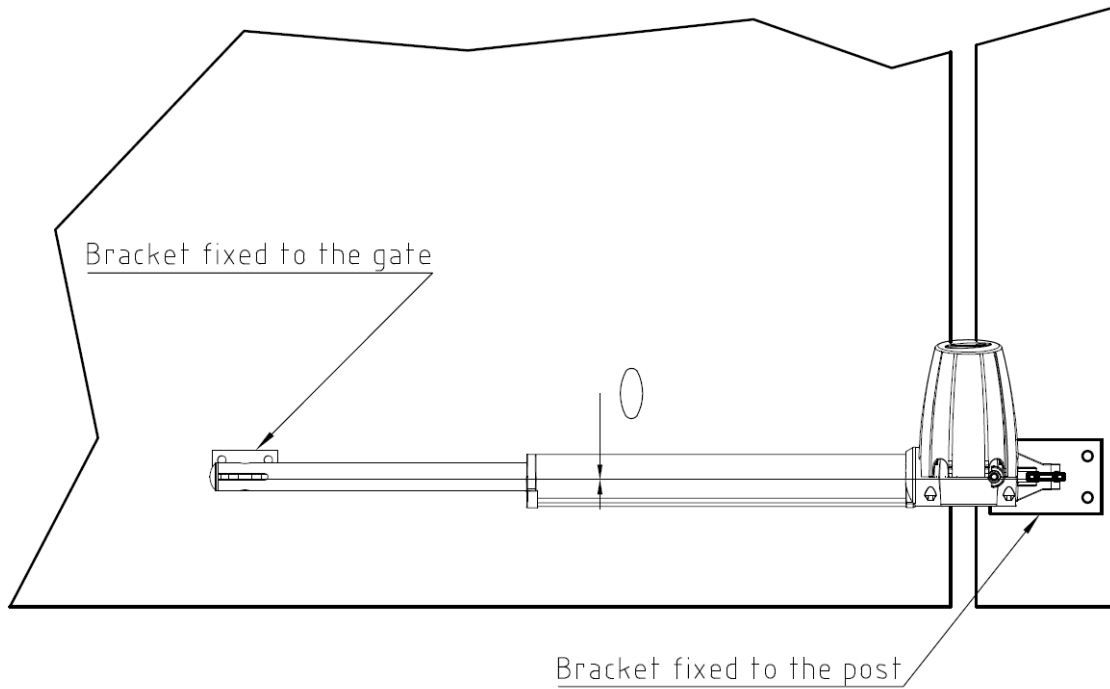


figure 2

Fixing the gear motor

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

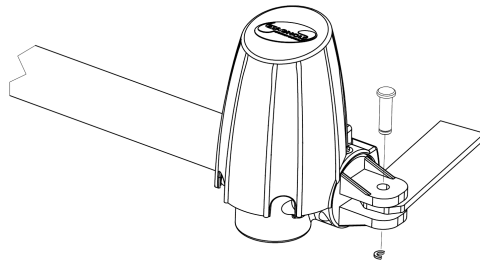


figure 3

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

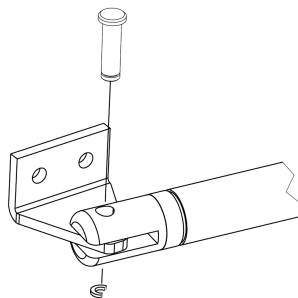


figure 4

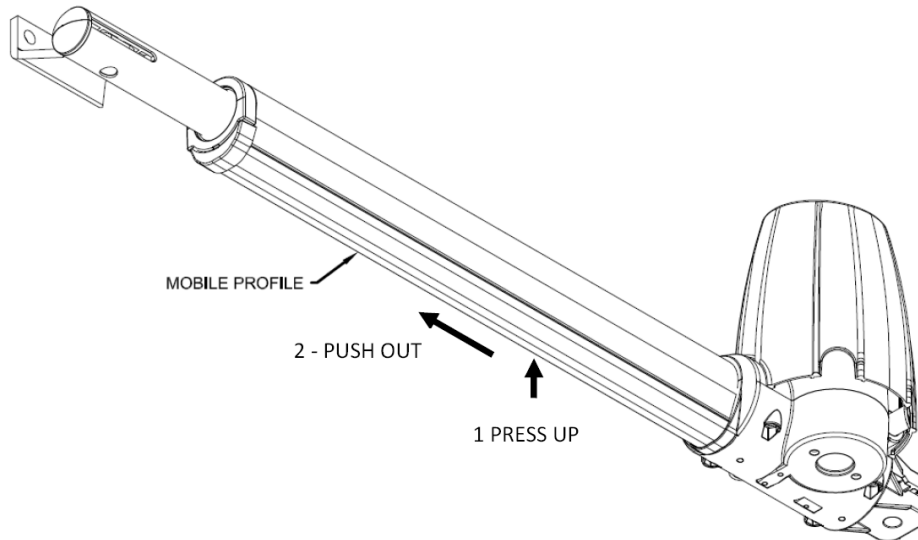
ADJUSTING MECHANICAL STOPS



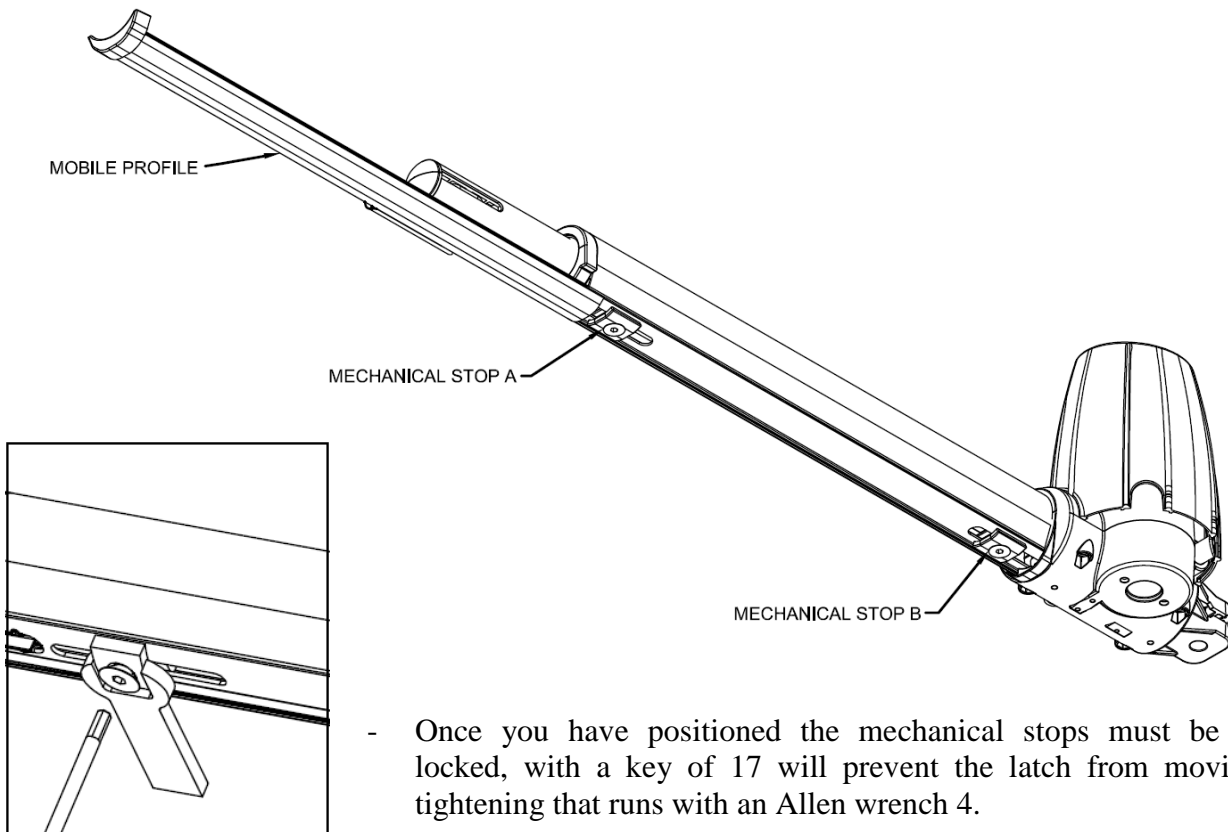
Attention!

Before any power to the motor, including the planning stage, it is necessary to achieve the right positioning and passage of the mechanical stops.

1. OPENING ROAMING PROFILE

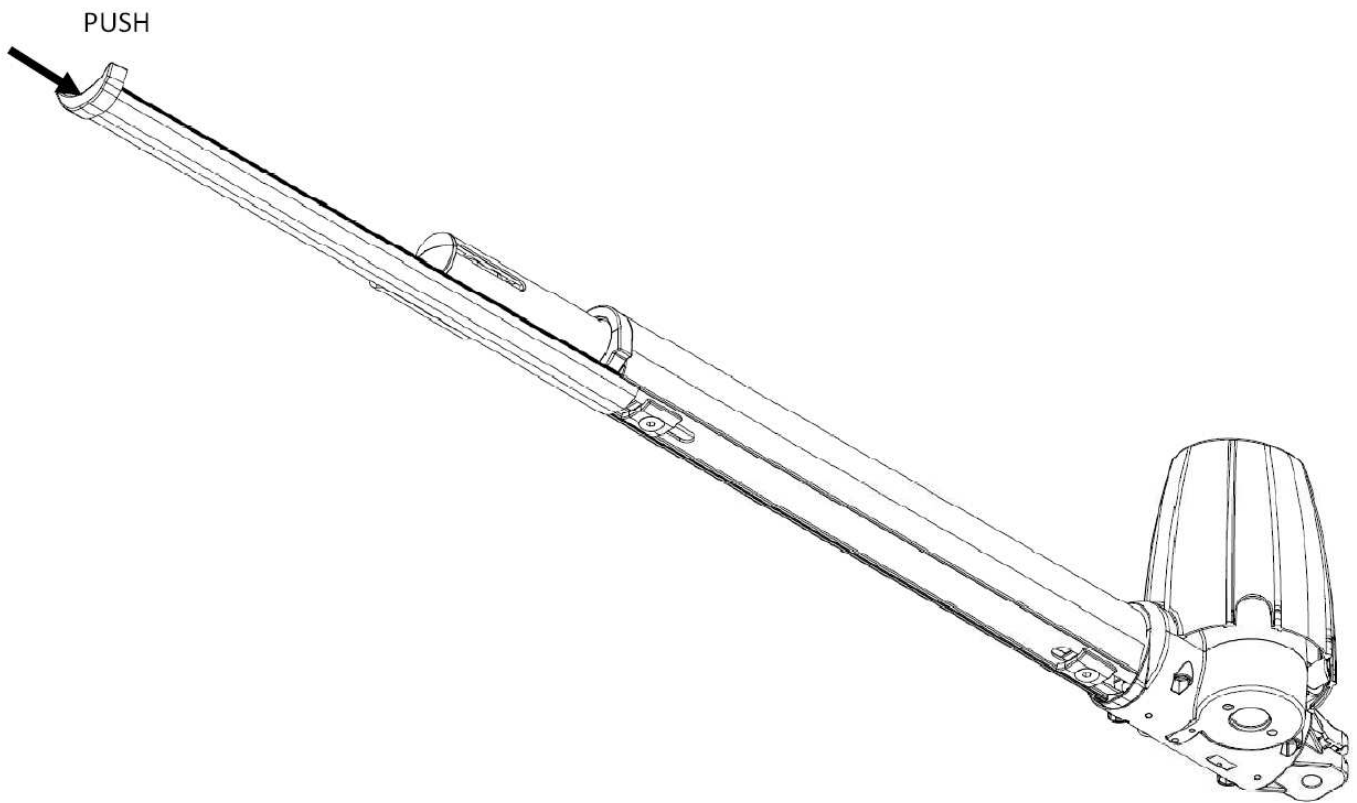


2. ADJUSTING MECHANICAL STOPS



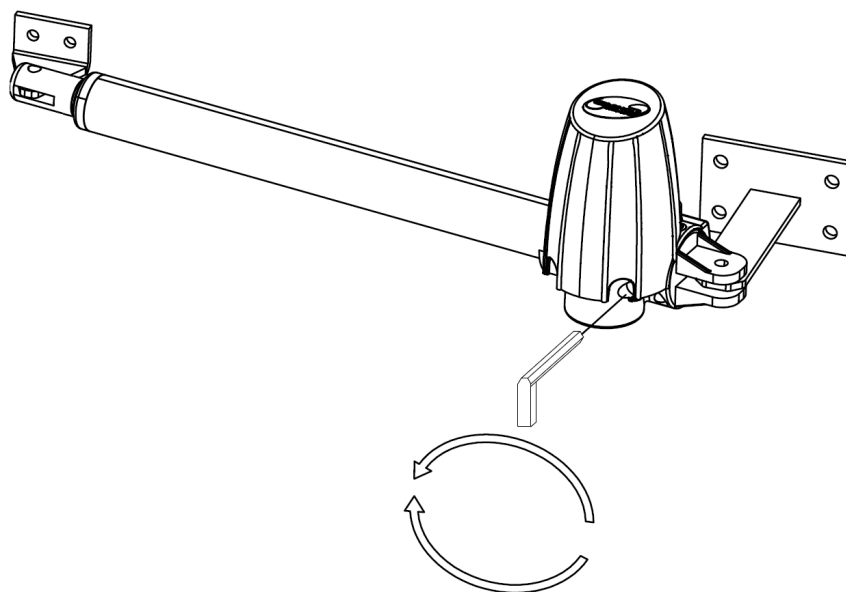
- Once you have positioned the mechanical stops must be properly locked, with a key of 17 will prevent the latch from moving when tightening that runs with an Allen wrench 4.

3. CLOSING ROAMING PROFILE



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

