

2. TECHNICAL SPECIFICATIONS

Technical specifications	250	250 LS	250 R	250 R LS	2524	2524 LS	250 -115V-	250 -115V- LS
Power supply	230 Vac				24 Vdc		115 Vac	
Power (W)	250				70		260	
Current (A)	1.1				3		2.2	
Thermal protection (°C)	140				—		140	
Capacitor (µF)	6.3				—		20	
Thrust (daN)	200				250		200	
Travel (mm)	300 ^①							
Speed (cm/sec)	1.6						1.85	
Leaf max. (m)	2.5 ^②							
Type and use frequency at 20° C	S3 - 30%	S3 - 35%	S3 - 30%	S3 - 35%	100 %		S3 - 30%	S3 - 35%
Approximate min. cycle/hour at 20° C	~ 30				~ 100		~ 30	
Operating ambient temperature (°C)	-20 -55		-10 -55		-20 -55			
Operator weight (Kg)	6,5							
Operator dimensions (mm)	Vedi figura 2							
Protection class	IP 54							

^① If no closing and opening mechanical travel stops are used, the operator travel is 350 mm.

^② With leaves exceeding 1.8 m the fitting of an electric lock is required to ensure the leaf locking. The model **R** must always be coupled to an electric lock.

2.1. VERSIONS

Model	Version
SIROCCO 250	230 Vac non-reversing gearmotor
SIROCCO 250 LS	230 Vac non-reversing gearmotor with opening and closing limit switches
SIROCCO 250 R	230 Vac reversing gearmotor
SIROCCO 250 R LS	230 Vac reversing gearmotor with opening and closing limit switches
SIROCCO 2524	24 Vdc non-reversing gearmotor
SIROCCO 2524 LS	24 Vdc non-reversing gearmotor with opening and closing limit switches
SIROCCO 250-115V-	115 Vac non-reversing gearmotor
SIROCCO 250-115V- LS	115 Vac non-reversing gearmotor with opening and closing limit switches

⚠ For CSA-UL approved operators, control unit 455 MPS UL 115 must be used in order to maintain the approval.

3. INSTALLATION

3.1. ELECTRICAL SET-UP (standard system)

👉 Use suitable tubes and/or hoses to lay electric cables

To avoid any kind of interference always separate low-voltage accessories and control cables from 230/115 V~ power supply cables using separate sheaths.

3.2. PRELIMINARY CHECKS

To ensure a correct operation of the automated system, make sure the following requirements are observed as for the gate structure (existing or to be realised):

- the mechanical parts must conform to the provisions of Standards EN 12604 and EN 12605.
- leaf length in compliance with the operator specifications (see paragraph 2).
- sturdy and stiff structure of the leaves, suitable for automation
- regular and uniform movement of the leaves, without any friction and dragging during their entire opening
- with the reversible motors to verify that the gate does not move alone.
- stiff hinges in good conditions
- presence of both opening and closing mechanical limit stops (they are not necessary if opening and closing mechanical travel stops are used)
- presence of an efficient earthing for electrical connection of the operator

👉 Perform any necessary metalwork job before installing the automated system.

⚠ The condition of the gate structure directly affects the reliability and safety of the automated system.

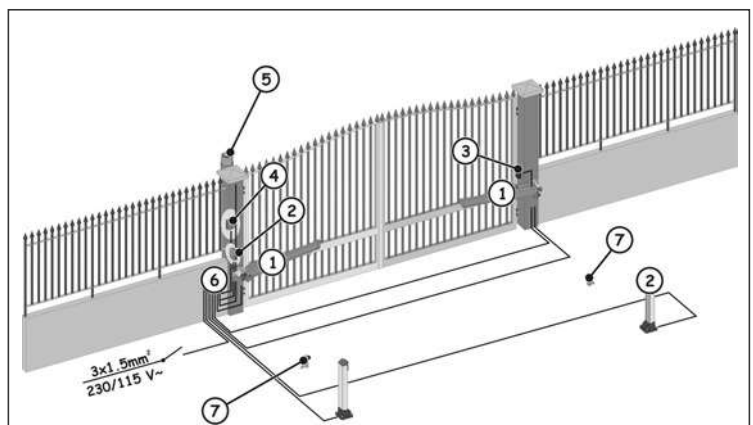


Fig. 3

Pos.	Description	Cables	
		230 Vac - 115 Vac	24 Vdc
①	Operators	4x1 mm ²	2x1.5 mm ²
②	TX photocells	4x0.5 mm ²	
③	RX photocells	2x0.5 mm ²	
④	Key selector	2x0.5 mm ²	
⑤	Flashing lamp	2x1.5 mm ²	
⑥	Control unit	3x0.5 mm ² (power supply)	
⑦	Mechanical stops	—	