



# SELF-PROGRAMMING AUTOMATION FOR SLIDING GATES

WITH A 24 Vdc MOTOR

3000 kg

**SL**  
CARDIN



Mains power supply / Motor power supply  
**230 Vac / 24 Vdc**

Electronic programmer  
**incorporated**

Receiver card  
**incorporated**

Buffer batteries  
**incorporated**

Electronic travel limits  
**magnetic encoder**



SL324EBSB

## SL324EBSB

A powerful machine, backed up by an integral structure in cast aluminium that holds all the electronic and mechanical components needed to manage the impeccable operation that is needed of a door/gate installation whilst at the same time maintaining complete safety control during the manoeuvring stages.

Strong and tireless and fitted with a powerful direct current motor that is backed up by a robust and efficient system of double geared kinematics, it is perfectly calibrated to reduce the stress effects of the movement and arrest of heavy duty industrial doors. Thanks to the inbuilt buffer batteries the automation system also guarantees normal operation during blackouts (emergency manoeuvring) and is fitted with a safe and secure manual release system protected by a robust access door with a personalised key.

The completely integrated electronics are housed in, and protected by, a reinforced nylon framework that accommodates but separates the battery charger, the radio receiver card, the toroidal transformer and the buffer batteries. All the individual components are laid out, wired and protected within a robust carter that fits snugly to the aluminium framework, guaranteeing solidarity and the maximum protection.

## USE

High powered electronic automation with a self-locking geared reduction system and a low power motor suitable for moving sliding gates up to 3000 kg. The motor can be fitted both to the left and to the right of the passageway. Installation is possible on any structure whether it be a traditional sliding gate or a suspended castor driver gate. Installation is rapid and easy and the simplified access to the electrical system and mechanical components leads to rapid alignment with any structure.

Gate positioning control is carried out by an encoder with a self-learning program that reduces installation times to a minimum and optimizes programming.

Automatic repositioning is carried out whenever anomalous events interfere with the normal running of the gate.

The programmer also features "soft start" and "soft stop" anti-crush controls as well as the real time display of all the programming stages and manoeuvre count carried out by the machine. The function parameters are set by protected dip-switches, located out of reach, within the appliance.

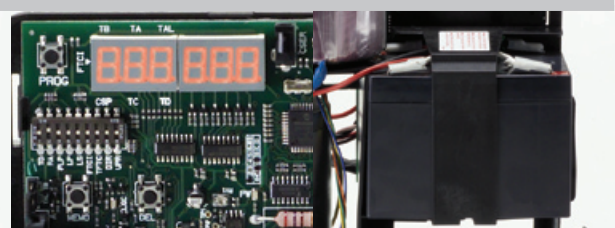
framework in AL

manual release mechanism

integrated electronics

programming

buffer batteries

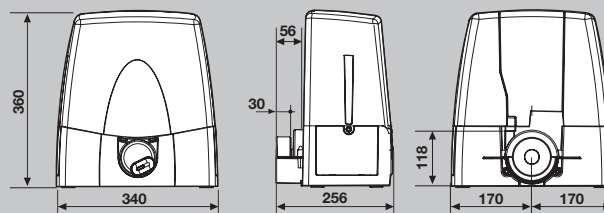


## TECHNICAL SPECIFICATIONS

Model	Mains power supply	Electrical input	Power input	Duty cycle	Drag speed	Maximum torque	IP
SL324EBSB	Vac 230	A 1,1	W 250	% 70	m/min 8	Nm 90	44
<b>Motor data:</b>	<b>Motor power supply</b>		<b>Power input</b>		<b>Electrical input</b>		
	Vdc 35		W 160		A 4,5		
<b>Incorporated receiver card:</b>	<b>Reception freq.</b>	<b>Nr. of user codes</b>		<b>Nr. of channels</b>		<b>Nr. of functions</b>	
	MHz 433,92	300		4		2	

## VERSIONI

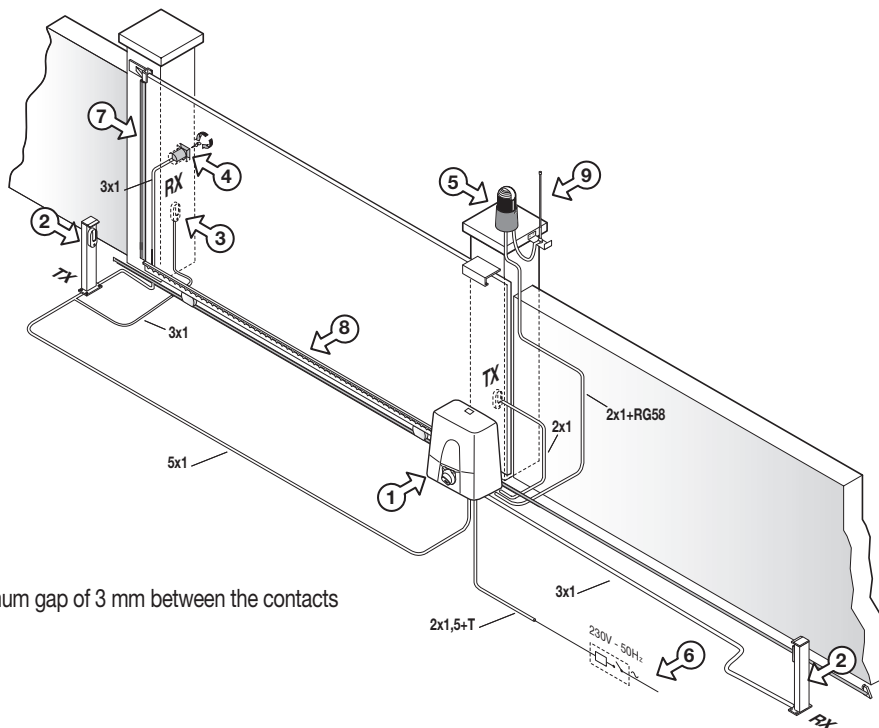
SL324EBSB Automation with a direct current motor, on board electronics and an S449 "FM" quartz radio frequency decoder, battery charger, buffer batteries and encoder controlled travel limits. All the components are located in a protective well made of shockproof plastic integrated into the aluminium framework of the motor.



## ACCESSORI

106/SLOPC Rack (20 mm x 20 mm) in glass fibre with upper fastening slits (1 m)  
 106/SLOPC1 Rack (20 mm x 20 mm) in glass fibre with lower fastening slits (1 m)  
 106/SLOAC Rack in galvanised steel, 2 m to be welded.  
 106/SLOAC2 Rack in galvanised steel, 1 m with slits.  
 950/XLBS Contact safety edge available in lengths of 1,5 to 3,0 m, maximum height 70 mm.

## INSTALLATION EXAMPLE



### Legend

- 1 Geared motor
- 2 Internal photoelectric cells
- 3 External photoelectric cells
- 4 Mechanical selector switch
- 5 Flashing warning lights
- 6 All pole circuit breaker with a minimum gap of 3 mm between the contacts
- 7 Contact safety buffer
- 8 Toothed rack
- 9 External antenna



### CARDIN ELETTRONICA spa

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