

INSIDE AUTOMATION FOR SLIDING GATES




cardin[®]
RIELLO ELETTRONICA GROUP

INSIDE AUTOMATION FOR SLIDING GATES



CARDIN INSIDE SERIES SLi

Cardin inside identifies a line of products dedicated to the manufacturers of mass produced industrial gates and doors. The Cardin inside devices are designed to be easily integrated into specially made structures. Integrating the automation device into the structure of the gate or door allows you to complete the automatic door while still in the factory, thus allowing the manufacturer to supply a complete product that has already been tested and complies with the machine directive.

The electromechanical geared motor has been designed to guarantee maximum adaptability when being inserted into the support column of a gate and is fitted with all the fastenings required for every type of solution. The drive shaft is removable to allow rapid installation and to facilitate the precise positioning of the geared motor.

Extremely compact the drive components are enclosed in a robust cast aluminium structure.

A double-reduction kinetics system immersed in permanently fluid grease works side by side with an efficient low-voltage motor that allows the system to obtain the maximum levels of performance whilst maintaining absolute operating silence when the unit is working.

The emergency manoeuvre (release system) is carried out by means of an efficient manual release system integrated into the geared motor.

The automation, available in three versions with different motor power levels automation is suitable for driving sliding gates with up to a maximum weight of 1000kg.



Compatible with the data exchange system between digital devices (smartphone, tablet, etc.) and the Cardin multifunctional control units.



See section 24V ECU INTERFACE DEVICES on page 196.



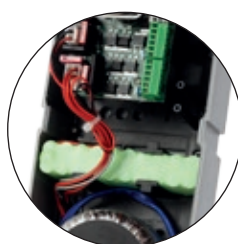
EXTRACTABLE PINION



MANUAL RELEASE



ENCODER CONTROL



BATTERY CHARGER AND NIMH BATTERIES



SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY

CARDIN INSIDE SERIES SLi



PRODUCT DESCRIPTION

ORDER NUMBER

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 300kg.

SLi324



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

The electronic programmer is factory fitted with a graphic LCD display (16 digits x 2 lines) in six different languages that monitors the programming stages, counts and displays the number of manoeuvres carried out by the machine and allows you to rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, flashing warning lamp activation, indicator light and photoelectric cell function setting and transmitter code management etc.

CC824EINTCB



ELECTRONIC PROGRAMMER FOR ONE MOTOR

Version without batteries and battery charger.

CC824EINT

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 700kg.

SLi724



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to counts and display the number of manoeuvres carried out by the machine and to rapidly set the system parameters. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display). The events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel.

CC924EFAMCBS



ELECTRONIC PROGRAMMER FOR ONE MOTOR

Version without batteries and battery charger.

CC924EFAMS

CARDIN INSIDE SERIES SLi



PRODUCT DESCRIPTION

ORDER NUMBER

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 1000kg.

SLi1024



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to counts and display the number of manoeuvres carried out by the machine and to rapidly set the system parameters. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display). The events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel.

CC924EFAMCB



ELECTRONIC PROGRAMMER FOR ONE MOTOR

Version without batteries and battery charger.

CC924EFAM

ACCESSORY DESCRIPTION

KIT BATTERY CHARGER + NiMH BATTERIES

Allows the programmers CC824EINT, CC924EFAMS and CC924EFAM to work during blackouts.

KBNiMH-1



6-WIRE SPECIAL CONNECTING CABLE

length 2m.

CABPC2



DATA INTERFACE MODULE VIA CABLE

The module allows you to connect two motors via cable in order to use the synchronised master/slave function.

MODCA



CARDIN INSIDE SERIES SLi



TECHNICAL DATA

MOTOR SPECIFICATIONS

		SLi324	SLi724	SLi1024
Motor power supply	Vdc	24	24	24
Electrical input	A	6,5	6,5	8,5
Power input	W	150	160	200
Duty cycle	%	70	70	70
Drag speed	m/min	10,5	11	11
Maximum gate weight	kg	300	700	1000
Operating temperature range	°C	-20°...+55	-20°...+55	-20°...+55
Protection grade	IP	44	44	44

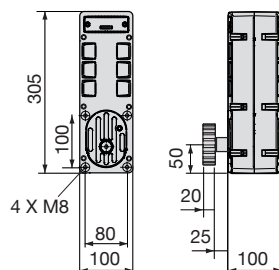
ECU CHARACTERISTICS

		SLi324	SLi724	SLi1024
Power supply	Vac	230	230	230
Nominal electrical input	A	1,2	1,2	1,2
Maximum power yield	W	250	250	250
Protection grade	IP	55	55	55
Class II device	Cls	□	□	□

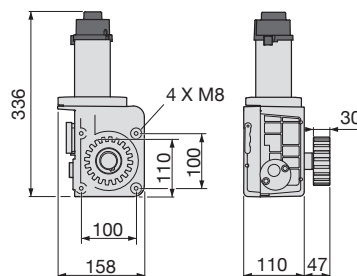
BUILT-IN RECEIVER CARD

		SLi324	SLi724	SLi1024
Reception frequency	MHz	433.92 / 868,3	433.92 / 868,3	433.92 / 868,3
Number of channels / number of functions	No	4 / 6	4 / 8	4 / 8
Number of stored codes	No	300 / 1000	300 / 1000	300 / 1000

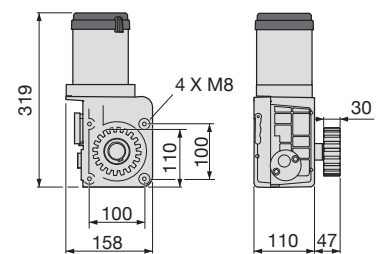
OVERALL DIMENSIONS



SLi324



SLi724



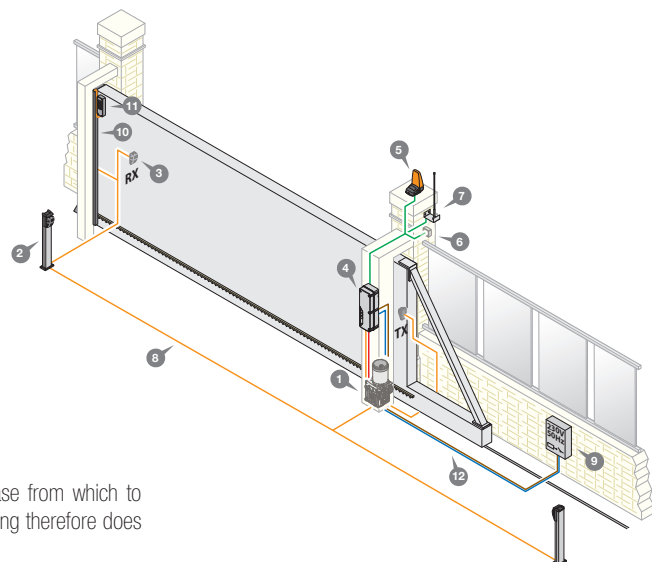
SLi1024

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor
- 2 Internal photocells
- 3 External photocells
- 4 Electronic programmer
- 5 Warning lights
- 6 Mechanical selector switch
- 7 External aerial
- 8 Channelling route for low voltage wires
- 9 All pole circuit breaker
- 10 Active safety edge
- 11 Radioshield
- 12 Mains cable 230Vac

Attention: The drawing is purely indicative and is supplied as a working base from which to choose the Cardin electronic components making up the installation. This drawing therefore does not lay down any obligations regarding the execution of the installation.



INSIDE KITS FOR SLIDING GATES



CARDIN INSIDE SERIES SLi

The inside kits, available in three versions for gates with 300kg, 700kg and 1000kg contain a gear motor, an electronic programmer and a 6-wire fast-fitting cable. The gate position is encoder-controlled. The electronic components are housed in a shockproof plastic container IP55 and the appliance is factory fitted with a multi-decoding module (system S449 - S486 - S504 - S508), a battery charger and NiMH batteries which allow the gate to be manoeuvred even during blackouts.

Compatible with the NTPRG-3G/WF system that allows the monitoring and programming of system parameters from remote positions.

A slave motor, connected via cable with the Cardin MODCA slot-in modules inserted, can be installed to drive two biparting sliding gates.



K-SLi324CB

PACKING
DIMENSIONS: 240 x 360 x 150
GROSS WEIGHT: 9 kg
ITEMS PER PALLET: 36 pcs

KIT DESCRIPTION

ORDER NUMBER

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 300kg.

SLi324

300 kg



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

CC824EINTCB

128 PIX



6-WIRE SPECIAL CONNECTING CABLE

length 2m.

CABPC2



CARDIN INSIDE SERIES SLi



KIT DESCRIPTION

ORDER NUMBER

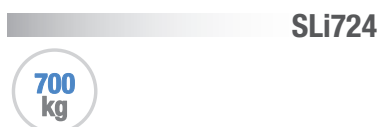


K-SLi724CB

PACKING
DIMENSIONS: 365 x 500 x 170
GROSS WEIGHT: 12,7 kg
ITEMS PER PALLET: 24 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 700kg.



ELECTRONIC PROGRAMMER FOR ONE MOTOR

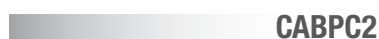
including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.



6-WIRE SPECIAL CONNECTING CABLE

length 2m.

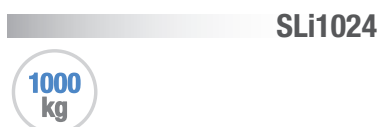


K-SLi1024CB

PACKING
DIMENSIONS: 365 x 500 x 170
GROSS WEIGHT: 14,1 kg
ITEMS PER PALLET: 24 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 1000kg.



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.



6-WIRE SPECIAL CONNECTING CABLE

length 2m.





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