Hi-speed automation for sliding gates

DRACO

Monitor the POWER!

Save Time!

cardin®
RIELLO ELETTRONICA GROUP

SELF-PROGRAMMING AUTOMATION FOR SLIDING GATES

(optional)

CARDIN PRO SERIES SL

A "complete machine" which contains all the electronic and mechanical components required to manage gate positioning and the safety functions of the installation. Powerful and tireless, controlled by state of the art electronics, the automation is fitted with a powerful direct current motor backed up by a finely tuned double gear kinematic system which reduces the stress on the motor and structure caused by the movement of heavy gates.

Installation is possible on any structure and the unit may be fitted both to the right as well as to the left of the passageway. Models are available for residential, industrial and collective use.

The use of low voltage motors increase the performance, guarantee high efficiency, long life and silent running.

The integrated programmer allows encoder-controlled gate positioning and self-programming thus reducing installation times to a minimum and optimising the programming procedure.

Repositioning takes place automatically whenever foreign objects get in the way of the gate as it is moving. The electronic control unit is completed by the anti-crush and "soft start" and "soft stop" functions.

Compatible with the system INTPRG-3G/WF that allows the system parameters to be controlled and programmed remotely.

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

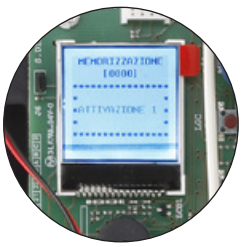
Multi-decoding:
The product range is factory fitted with a multi-decoding remote control module (system S449 - S486 - S504 - S508). By default the devices are supplied with a 433MHz RF module and the S504 / S508 series memory module inserted. To control the device with S449 transmitters, insert the ZGB24LC16-I / P memory module (supplied with the device) and consult the relevant section. For the S508 / S486 series purchase and insert the 868Mhz RF module.

PAVEMENT ANCHORING ACCESS

LEVER ACTIVATED MANUAL RELEASE SYSTEM

COOLING FAN

OPTIONAL BATTERY CHARGER AND NIMH BATTERIES



SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY

SERIES SLX24DRACO/2

SLX24DRACO

ELECTROMECHANICAL UNIT WITH A 24V MOTOR

The automation is made up of a self-locking gear motor controlled by magnetic encoder with an in-built:

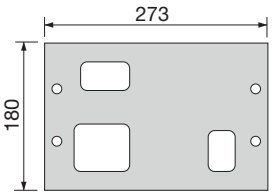
- electronic programmer;
- 433MHz FM receiver;

The innovative DRACO system permits the gate's movement to be accompanied with total security and features a "variable speed function" which can be adjusted according to the different installation requirements up to a maximum speed of 30m per minute. 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 rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, intermittent warning lamp activation, indicator light and photoelectric cell function setting etc.

The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display) and these events permit you to regulate the opening and closing of the motor at different times during the day. The appliance is fitted with a safe and secure lever operated manual release system protected by a robust access door with a personalised key.

1000 kg

(For residential and collective sliding gates with adjustable drag speed up to **30** m/min)



FASTENING BASE
SPARE PARTS NUMBER 999805

SLX24DRACO2

ELECTROMECHANICAL UNIT WITH A 24V MOTOR

The automation is made up of a self-locking gear motor controlled by magnetic encoder with an in-built:

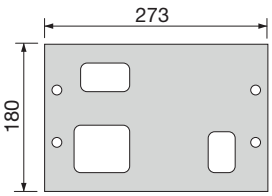
- electronic programmer;
- 433MHz FM receiver;

The innovative DRACO2 system permits the gate's movement to be accompanied with total security and features a "variable speed function" which can be adjusted according to the different installation requirements up to a maximum speed of 22m per minute. 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 rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, intermittent warning lamp activation, indicator light and photoelectric cell function setting etc.

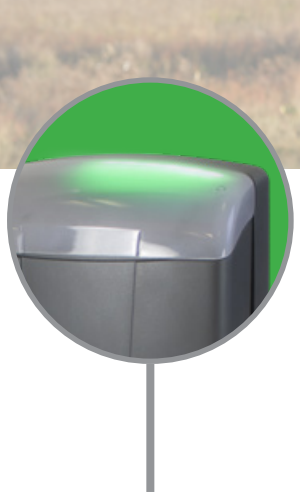
The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display) and these events permit you to regulate the opening and closing of the motor at different times during the day. The appliance is fitted with a safe and secure lever operated manual release system protected by a robust access door with a personalised key.

2000 kg

(For industrial and collective sliding gates with adjustable drag speed up to **22** m/min)

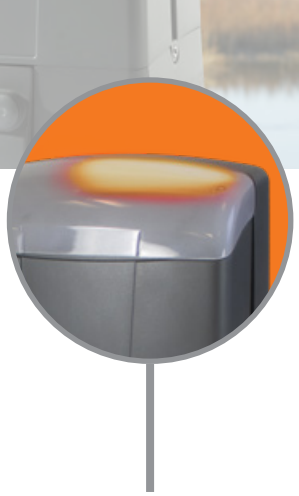


FASTENING BASE
SPARE PARTS NUMBER 999805



GREEN LED LIGHTING
Gate completely open

RED LED LIGHTING
Error signal, consult the graphic display to see the type of error



ORANGE LED LIGHTING
Gate stopped in intermediate position

WHITE LED LIGHTING
Gate closed

GEAR RACK
in galvanised steel for the **DRACO** motor and industrial installations up to 3000 kg.

VERSION TO BE SOLDERED — **SLOAC**
22mm x 22mm, M4, 2m pieces.

VERSION WITH FASTENING SLITS — **SLOAC2**
30mm x 12mm, M4, 1m pieces.

SPACERS — **DAC**
screw version for SLOAC2.
Lots of 30 pcs.

SPACERS — **DSC**
soldering version for SLOAC2.
Lots of 30 pcs.

SPEED CONTROLLER — **RVS**
The device should be fitted to the gear rack in alignment with the motor in order to recuperate the correct sliding action of the gate in installations that are slightly inclined.

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SERIES SL

KIT BATTERY CHARGER + NIMH BATTERIES
Allows the gate automation to work during blackouts.

KBNIMH-D

QUARTZ RECEIVER/TRANSCEIVER MODULE (433MHz - 868MHz)
Superheterodyne in FM with a digital filter.
Unidirectional (DG) and bidirectional (DG) versions.
RF module without decoder for the reception of digital signals.
Voltage: 5Vdc - Electrical input: 15mA.
Overall dimensions 40 x 20 x 13.

JRF433QFMDG1
JRF868QFMDG1
JRF433QFMBD0
JRF868QFMBD0

300-CODE MEMORY MODULE (S449 - S486)

ZGB24LC16-I/P

1000-CODE MEMORY MODULE (S504 - S508)

ZGB24LC64-I/P

CODE AND MEMORY PROGRAMMING BASE VIA USB
The USB code and memory programming base allows the transmitters to be programmed in batches and remote code memorisation and replacement thanks to the RFID technology present in the series S504 transmitters and in the management software CARDINTX_SW.

PGBASE500

3G INTERFACE
The 3G interface allows the control, diagnostics and programming of system parameters from a remote location using the Cardin App.

INTPRG-3G

3G INTERFACE + SIM VODAFONE
The 3G interface allows the control, diagnostics and programming of system parameters from a remote location using the Cardin App.
Includes a Vodafone SIM + ten year subscription.

INTPRG-3G10

vodafone

ECU data exchange

WF INTERFACE
The WF interface allows the control, diagnostics and programming of system parameters from a remote location using the Cardin App.

INTPRG-WF

BLUETOOTH MODULE
The module allows the exchange of information between the motor's electronic control unit and the Cardin 3G/WF interface via Bluetooth or directly between the control units and the apps CRD ONE and CRD TWO.

MODBT

DATA INTERFACE MODULE VIA CABLE
The module allows the exchange of information between the motor's electronic control unit and the Cardin 3G/WF interface and also allows you to connect two motors via cable in order to use the synchronised master/slave function.

MODCA

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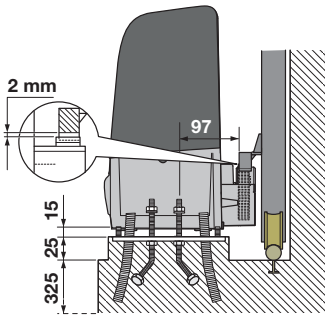
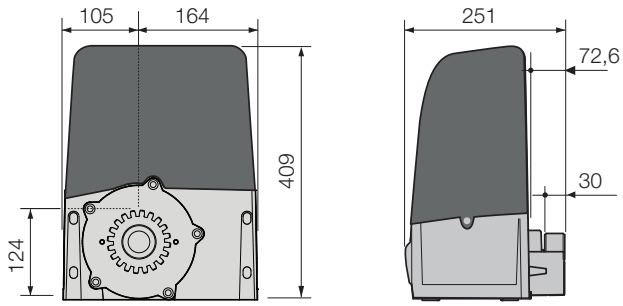
POSITIONING THE UNIT



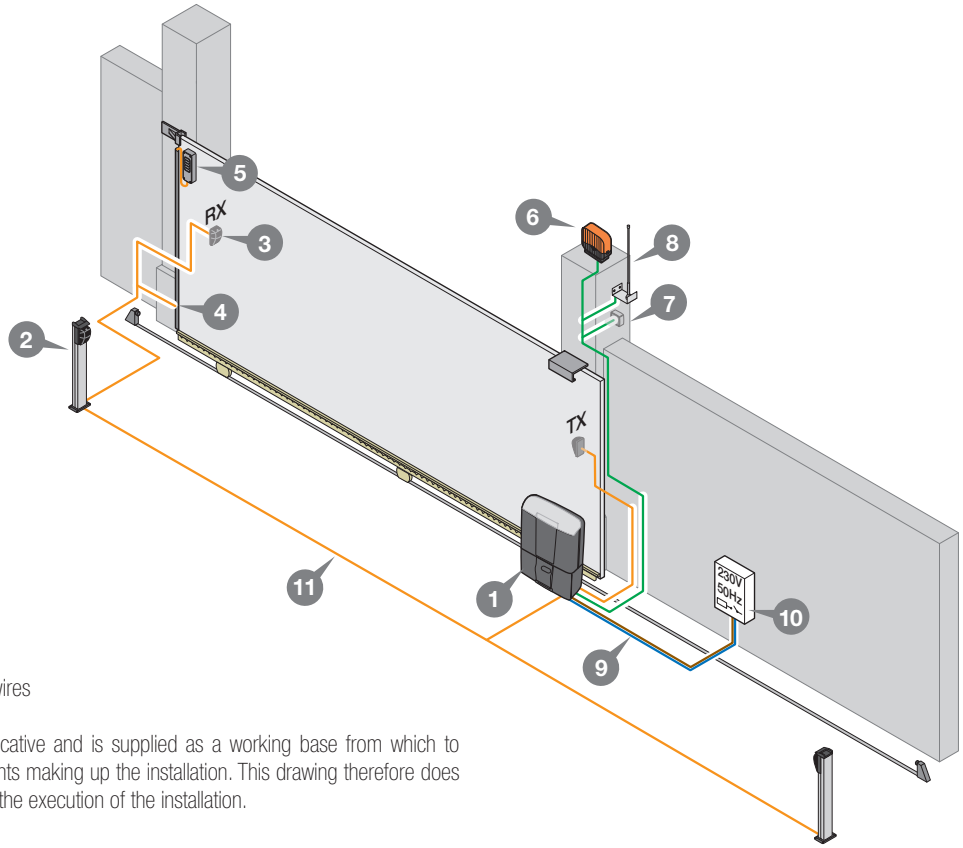
SLX24DRAC0 - SLX24DRAC02

OVERALL DIMENSIONS



SLX24DRAC0 - SLX24DRAC02

INSTALLATION EXAMPLE



LEGEND

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

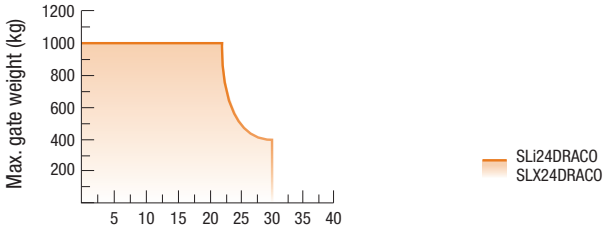
Attention: The drawing is purely indicative and is supplied as a working base from which to choose the Cardin electronic components making up the installation. This drawing therefore does not lay down any obligations regarding the execution of the installation.

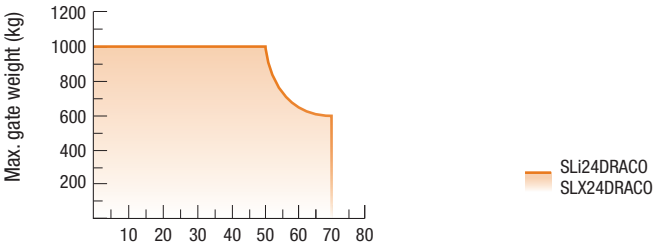
SLIDING GATES

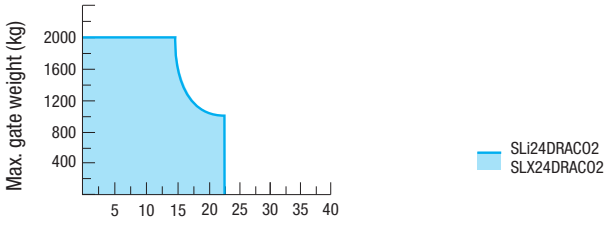
CARDIN PRO
SERIES SL

TECHNICAL DATA

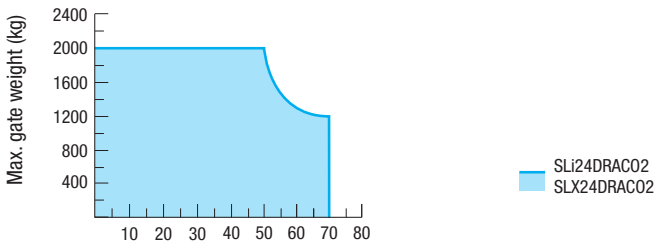
GENERAL CHARACTERISTICS		SLX24DRAC0	SLX24DRAC02
Power supply	Vac	230	230
Frequency	Hz	50	50
Nominal electrical input	A	1,7	1,7
Power input	W	380	380
Duty cycle	%	50	50
Drag speed	m/min	30	22
Torque max.	Nm	44	55
Operating temperature range	°C	-20°…+55	-20°…+55
Protection grade	IP	44	44
MOTOR DATA			
Motor power supply	Vdc	24	24
Maximum power yield	W	250	250
Nominal electrical input	A	10	10
BUILT-IN RECEIVER CARD			
Reception frequency	MHz	433.92 / 868,3	433.92 / 868,3
Number of channels	No	4	4
Number of functions	No	8	8
Number of stored codes	No	300 / 1000	300 / 1000







Max. gate speed (m)



Duty cycle (%)

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