

INSIDE AUTOMATION FOR SWING GATES

CARDIN INSIDE
INSIDE AUTOMATION



110

CARDIN KIT BLi
INSIDE AUTOMATION 24V



113





INSIDE AUTOMATION FOR SWING GATES



CARDIN INSIDE SERIES BLi

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.

This device has been created to be integrated into the structure of specially made hinged gates, either into the gate's upright (direct transmission) or into the gate support column (transmission to the gate leaf via a pinion or pulley).

The geared motor is self-locking and is fitted with a direct action hexagonal Allen key system.

The geared motor components are enclosed in a robust structure in spray-painted pressed aluminium with a high performance, robust, permanently lubricated two-stage epicyclic reduction unit connected to an efficient low voltage motor that allows silent running.

The operator is suitable for driving hinged gates up to 2,0 m in length and 200kg in weight per gate leaf. For gates longer than 2,5m an electric lock must be fitted.

The geared motor is made self-locking (on both gate leaves) by the use on an integrated electromagnetic lock which blocks the gate in the closed position.



CARTER IN SPRAY-PAINTED ALUMINIUM



DIAMETER Ø105



ROTATION ON BEARINGS



CABLE PROTECTION



SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY



CARDIN INSIDE SERIES BLi

SELF-LOCKING BUILD-IN OPERATOR

with a 24Vdc encoder-controlled motor.
For gates max. 200kg.



MECHANICAL TRAVEL LIMITS

Set of standard mechanical travel limits

Set of 90° custom mechanical travel limits

Set of 120° custom mechanical travel limits

TRANSMISSION JOINTS

Set of transmission joints

BLi1000



BLIFCM



BLIFCM90



BLIFCM120



BLICRN



ELECTRONIC PROGRAMMER FOR TWO MOTORS

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.

ELECTRONIC PROGRAMMER FOR TWO MOTORS

Version with a battery charger and batteries.

ELECTRONIC PROGRAMMER FOR TWO MOTORS

Version without a battery charger and batteries.

KIT BATTERY CHARGER + NIMH BATTERIES

Allows the programmer CC242EFAM to work during blackouts.

6-WIRE SPECIAL CONNECTING CABLE

100m (supplied on a special spool).

For the electric locks see page 159.



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

ECU
data exchange

See section 24V ECU INTERFACE DEVICES on page 178

CC242EFAMCB

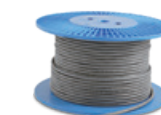


CC242EFAM

KBNIMH-1



CABPC100ST



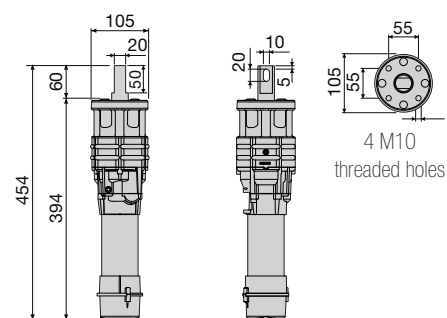


CARDIN INSIDE SERIES BLi

MOTOR SPECIFICATIONS

Motor power supply	Vdc	24
Nominal electrical input	A	2
Power input	W	50
Duty cycle	%	70
Opening time 90°	s	16
Maximum opening angle	°	180
Maximum gate weight	kg	200
Maximum gate length	m	2
Operating temperature range	°C	-20°...+55
Protection grade	IP	55

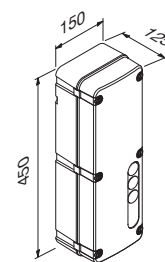
BLi1000



BLi1000

PROGRAMMER SPECIFICATIONS

Power supply	Vac	230
Nominal electrical input	A	1,2
Maximum power yield	W	250
Power output for 1 or 2 motors	W	60 + 60



CC242EFAMCB

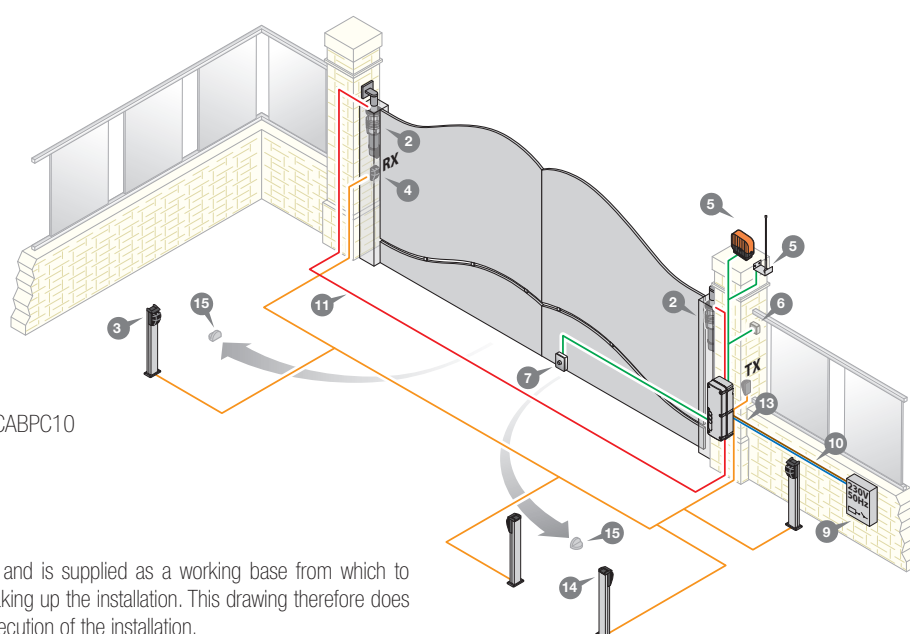
BUILT-IN RECEIVER CARD

Reception frequency	MHz	433.92 / 868,3
Number of channels	No	4
Number of functions	No	8
Number of stored codes	No	300 / 1000

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor (left)
- 2 Geared motor (right)
- 3 Internal photocells
- 4 External photocells
- 5 Warning lights
- 6 Mechanical selector switch
- 7 Electric lock
- 8 External aerial
- 9 All pole circuit breaker
- 10 Mains cable 230Vac
- 11 Channelling for Cardin connection cable CABPC10
- 12 Channelling route for low voltage wires
- 13 Electronic programmer
- 14 Lateral protective photocells
- 15 Opening direction stop buffers

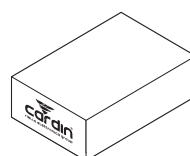


Attention: The drawing is purely indicative and is supplied as a working base from which to choose the Cardin electronic components making up the installation. This drawing therefore does not lay down any obligations regarding the execution of the installation.

INSIDE KIT FOR SWING GATES



KT-BLi1000



PACKING
DIMENSIONS: 440 x 470 x 130
GROSS WEIGHT: 18,2 kg
ITEMS PER PALLET: 10 pz

The inside kit for swing gates with a maximum weight of 200kg contains two geared motors and an electronic control unit.

Special connection cable in a spool to be ordered separately.

The automation is encoder controlled by an external ECU factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The geared motors are connected to the electronics card by means of a six-wire, fast-fitting cable.

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

2 SELF-LOCKING BUILD-IN OPERATORS

with an encoder-controlled 24Vdc motor
for gates:

- maximum length 2m (2,5m with an electric lock);
- maximum weight 200kg.

BLi1000



ELECTRONIC PROGRAMMER FOR TWO MOTORS

including:

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

CC242EFAMCB

