

AUTOMATION FOR GARAGE DOORS

RAPID SELECTION GUIDE

116

CARDIN AUTOMATION GL



118

AUTOMATION FOR COUNTERBALANCED DOORS





GL

AUTOMATION FOR
COUNTERBALANCED DOORS

(optional)



(optional)



GLMECHA24M



GLMECHA24S



GL

AUTOMATION FOR
SECTIONAL DOORS



GL124EBSS



GL

AUTOMATION FOR
COUNTERBALANCED DOORS



PRG

2,7m
h-max

11m²



(optional)

2,7m
h-max

11m²



GLMECHA230M



GLMECHA230S



GL

AUTOMATION FOR
SECTIONAL DOORS

(optional)



3,9m
h-max

9 m²

3,9m
h-max

12 m²



GLZEN60E



GLZEN100E

GARAGE AUTOMATION FOR COUNTERBALANCED DOORS



CARDIN AUTOMATION SERIES GL

A complete automatic device suitable for moving all types of counterbalanced garage doors. The compact and solid form makes this product a versatile machine that may be used safely and efficiently on all types of counterbalanced garage doors.

The automation consists of a compact single-piece geared reduction unit (with an incorporated encoder and bilateral manual release system) and is fitted with a reduction system made from materials that allow maximum efficiency and minimum noise. All the components making up the device: geared motor, transformer, electronic programmer and batteries (optional) are mounted on a robust chassis made of shockproof plastic and are separated and protected by a double carter that completely covers all the moving parts and safely houses all the cables and wiring. The second removable cover allows access to all the setting and program functions in complete safety. Internally, the carter contains the mechanism required to activate the manual release system and this allows the manoeuvre to be fluid and manageable under all working conditions whilst at the same time covering all possible manual release mechanisms installed by the door manufacturers: a handle directly installed on the geared motor, an external release cord or via a hexagonal key operated mechanism that is accessed through the door panel both to the right and to the left of the motor. The door position is encoder controlled 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 door as it is moving.

The electronic control unit is completed by the anti-crush and "soft start" and "soft stop" functions and a display that monitors the programming stages and counts the number of manoeuvres carried out by the machine.

Multi-decoding:

The product range is factory fitted with a multi-decoding remote control module (system S449 - S486 - S504 - S508).

For garage doors larger than 4 metres and for garage doors with an in-built pedestrian door (mounted laterally) a second slave motor is required.



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 178



MANUAL RELEASE GLMECHA



REMOTE RELEASE RIGHT/LEFT



MOTOR SUPPORT BASE



SELF-PROGRAMMING



OPTIONAL NI-MH BATTERIES



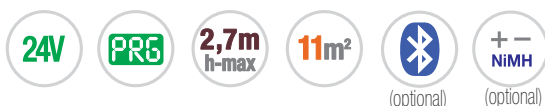
CARDIN AUTOMATION SERIES GL

SELF-PROGRAMMING ELECTROMECHANICAL UNIT WITH A 24V MOTOR (433MHz)

Self-locking encoder-controlled Master automation with an in-built electronic programmer.

Operator arms are to be ordered separately.

Kit battery charger + batteries to be ordered separately.



ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Self-locking slave automation.

Use to supplement the GLMECHA24M units for particular installations that require two motors.

Operator arm to be ordered separately.

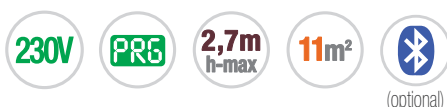


SELF-PROGRAMMING ELECTROMECHANICAL UNIT WITH A 230V MOTOR (433MHz)

Self-locking encoder-controlled Master automation with an in-built electronic programmer.

Operator arms are to be ordered separately.

Kit battery charger + batteries to be ordered separately.



ELECTROMECHANICAL UNIT WITH A 230V MOTOR

Self-locking slave automation.

Use to supplement the GLMECHA230M units for particular installations that require two motors.

Operator arm to be ordered separately.



GLMECHA24M



GLMECHA24S



GLMECHA230M



GLMECHA230S





CARDIN AUTOMATION SERIES GL

ADJUSTABLE BRACKETS

Axle shaft supports.

ADAPTER KIT GL20-GLMECHA

Adapter kit to instal the GLMECHA garage door motor in an old GL20 installation

TRANSMISSION SHAFTS

20cm including support bracket.

150cm including support bracket.

200cm including support bracket.

TRANSMISSION ARMS

Two straight arms with round bushing for AT shafts.

One straight arm with grooved bushing for motor drive shaft.

Two curved arms with round bushing for AT shafts.

SUPPORT BRACKET

Motor support extension bracket, 2000mm

Motor support extension bracket, 600mm

SRSTAR

GLJSTAP

AT20

AT150

AT200

BDB

BDBUS

BCB

GLOPS2

GLOPS06

EXTERNAL RELEASE CORD

length 2000mm

TRAVEL LIMIT KIT

Travel limit kit for GLMECHA24

GL24SB

GLMECHAFC

KIT BATTERY CHARGER + NIMH BATTERIES

Allows the GLMECHA24M unit to work during blackouts.

KBNIMH-4

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





CARDIN AUTOMATION SERIES GL

MOTOR SPECIFICATIONS

		GLMECHA24M	GLMECHA230M
Motor power supply	V	24	230
Nominal electrical input	A	2	1,6
Power input	W	120	350
Duty cycle	%	70	25
Geared motor speed (at max. torque)	revs/min	1,3	1,6
Maximum torque	Nm	230	350
Operating temperature range	°C	-20°...+55°	-20°...+55°
Protection grade	IP	54	54

PROGRAMMER SPECIFICATIONS PRGMECHA24/PRGMECHA230

Power supply	Vac	230	230
Maximum electrical input (2 motors)	A	0,9	3
Maximum power yield (2 motors)	W	200	700

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	2	2
Number of stored codes	No	300 / 1000	300 / 1000

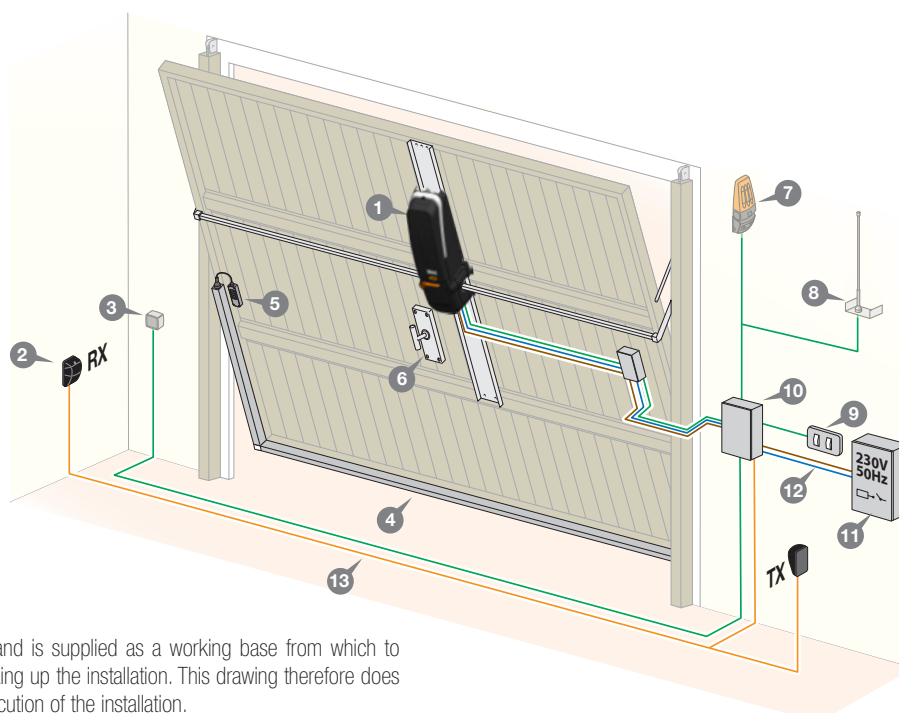


GLMECHA24M - GLMECHA230M

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor
- 2 Photoelectric cells
- 3 Mechanical selector switch
- 4 Anticrush safety edge
- 5 Radioshield
- 6 Release cord
- 7 External warning light
- 8 External aerial
- 9 Wall mounted switch TB - TD
- 10 Shunt box
- 11 All pole circuit breaker
- 12 Mains cable 230Vac
- 13 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.