

AUTOMATION FOR ROLLING SHUTTERS AND GARAGE DOORS

CARDIN AUTOMATION RL



132





AUTOMATION FOR ROLLING SHUTTERS AND ROLL-UP GARAGE DOORS

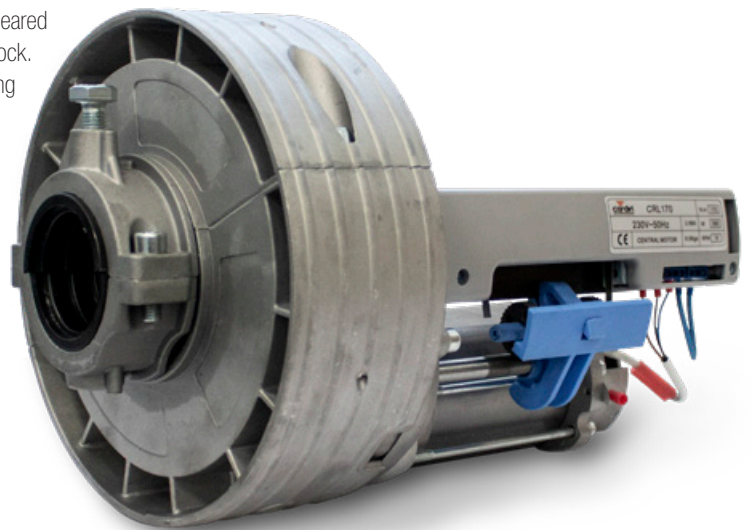


CARDIN AUTOMATION SERIES RL

230V automation for shutters, rolling grills and roll-up garage doors with a cast aluminium geared motor and crown wheel. Available as a reversible geared motor and in self-locking versions with an integrated electromagnetic lock. The modular motor is rapid and easy to install even on pre-existing systems without having to dismantle the rolling shutter drive shaft and spring holders.

The reversible version is ideal for lockable roll-up garage doors, while the self-locking version with an electromagnetic lock and manual release cable is more suited to installations not featuring traditional locking systems such as lock & key, door bolts, padlocks and electric locks etc.

An ample range of electronic programmers and selector switches is available for the manual, automatic and semi-automatic control of the RL series of motors.



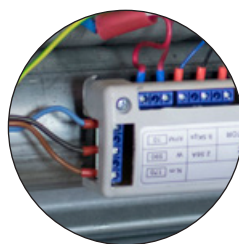
ELECTROMAGNETIC LOCK
STANDARD IN THE VERSIONS
CRL170E - CRL180E - CRL360DE



CROWN WHEEL MOUNTED
ON ROLLER BEARINGS



INTEGRATED OPENING AND
CLOSING TRAVEL LIMITS



RAPID AND EASY
ELECTRICAL CONNECTION



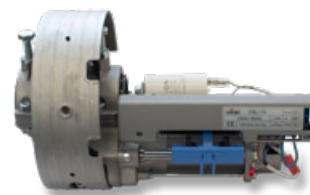
MANUAL RELEASE CABLE
STANDARD IN THE VERSIONS
CRL170E - CRL180E - CRL360DE



REVERSIBLE GEARED MOTOR FOR ROLLING SHUTTERS

230V geared motor permitting a maximum lifting power of 180kg. An electric lock must be fitted to guarantee that the rolling shutter locks in the closed position. Precise and reliable, thanks to the integrated travel limits, this model may fitted to all types of rolling shutter with a 60mm or 48mm drive shaft diameter and a crown wheel diameter of 200mm e 220mm. Maximum rolling shutter height 6m.

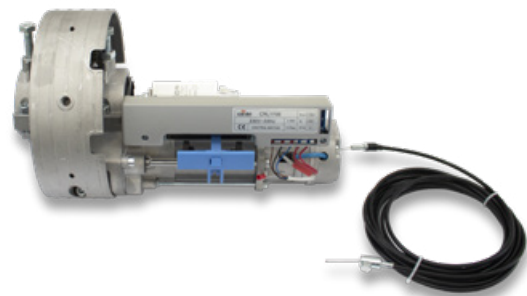
CRL 170



SELF-LOCKING GEARED MOTOR FOR ROLLING SHUTTERS

230V geared motor permitting a maximum lifting power of 180kg. Precise and reliable, thanks to the integrated travel limits and standard electromagnetic lock, this model may fitted to all types of rolling shutter with a 60mm or 48mm drive shaft diameter and a crown wheel diameter of 200mm e 220mm. Maximum rolling shutter height 6m.

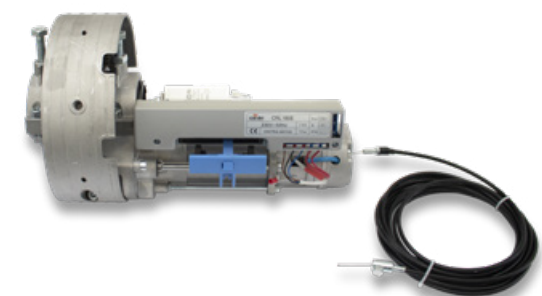
CRL 170 E



SELF-LOCKING GEARED MOTOR FOR ROLLING SHUTTERS

230V geared motor permitting a maximum lifting power of 180kg. Precise and reliable, thanks to the integrated travel limits and standard electromagnetic lock, this model may fitted to all types of rolling shutter with a 76mm drive shaft diameter and a crown wheel diameter of 240mm. Maximum rolling shutter height 6m.

CRL 180 E



SELF-LOCKING GEARED MOTOR FOR ROLLING SHUTTERS

Two 230V geared motors permitting a maximum lifting power of 360kg. Precise and reliable, thanks to the integrated travel limits and standard electromagnetic lock, this model may fitted to all types of rolling shutter with a 76mm drive shaft diameter and a crown wheel diameter of 240mm. Maximum rolling shutter height 6m.

CRL 360 DE



CARDIN AUTOMATION SERIES RL



ELECTRONIC PROGRAMMER CONTROLLING ONE 230V MOTOR

ECU for rolling grills or rolling shutters max. 1300W. Ideal for tubular motors or rolling shutters and fitted with with torque limitation, a programmable 24V warning light output (flashing or continuous activation) and a 230V courtesy light output. Protection grade IP55.

Overall dimensions 135 x 175 x 85

ELECTRONIC PROGRAMMER CONTROLLING ONE 230V MOTOR

ECU for rolling grills or rolling shutters max. 1300W. Basic version supplied with a fitted RSQ5040C2 receiver card.

Protection grade IP55.

Overall dimensions 135 x 175 x 85

COMMAND CARD CONTROLLING ONE 230V MOTOR

Ideal for the manual control of one rolling grill or rolling shutter motor.

Protection grade IP55.

Overall dimensions 58 x 125 x 84

RADIOPROGRAMMER FOR ROLLING SHUTTERS, SUN BLINDS AND AWNINGS (230V-1000W)

Logic integrated into the receiver with work time management and output for the control of one motor. Suitable for the command of automatic rolling shutters, sun blinds and awnings. Inputs for one opening and one closing command via cable. Manual operation in either the opening/closing or only closing direction.

RADIOPROGRAMMERS FOR ROLLING SHUTTERS AND GRILLS (230V-630W)

Logic integrated into the receiver and output for the control of one motor. Power supply output for a pair of Cardin photoelectric cells. Possibility of memorising up to 1000 transmitters.

All weather box in ABS - IP55.

Overall dimensions 139 x 115 x 44.

ALUMINIUM KEY OPERATED SURFACE-MOUNT SWITCH

Selector switch for the manual on-site activation of automatic gate and door systems. Container in cast aluminium

All weather box in AL - IP55.

ALUMINIUM SURFACE-MOUNT BOX WITH SWITCH AND RELEASE LEVER

Selector switch and release lever for the manual on-site activation of automatic gate and door systems. Container in cast aluminium

All weather box in AL - IP55.

ALUMINIUM KEY OPERATED SURFACE-MOUNT SWITCH

Selector switch for the manual on-site activation of automatic gate and door systems. Container in cast aluminium with a shockproof plastic front piece. Anti-tampering system that is easy to install and easier to use.

All weather box in AL - IP55.

T21X



T21B



T1



RPQ504T10

RPQ508T10

Indoor box IP20.

Overall dimensions 106 x 36 x 21.



RPQ504

RPQ508



SELRL1C

Maximum voltage 30Vac-dc.

Maximum current 2A.

Open-close functions.

Overall dimensions 79 x 72 x 44.



SELRL3C

Maximum voltage 30Vac-dc.

Maximum current 2A.

Open-close functions.

Manual release lever

Overall dimensions 145 x 79 x 50.



SELMEC/E1

Maximum voltage 30Vac-dc.

Maximum current 2A.

Open-close functions.

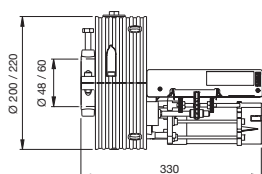
Overall dimensions 35 x 70 x 70.



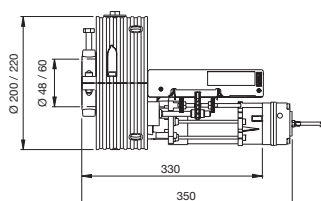
CARDIN AUTOMATION SERIES RL



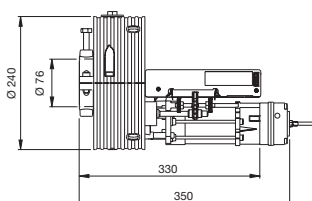
OVERALL DIMENSIONS



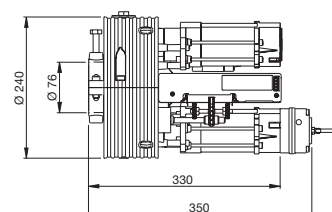
CRL 170



CRL 170 E



CRL 180 E



CRL 360 DE

ELECTRONIC PROGRAMMER TECHNICAL DATA

		CRL170	CRL170E	CRL180E	CRL360DE
Power supply	Vac	230	230	230	230
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60
Nominal electrical input	A	2,56	2,56	2,85	5,61
Power input	W	590	590	650	1290
Torque	Nm	180	180	210	360
Geared motor speed	rpm	10	10	9,5	9,5
Shaft	mm	48 / 60	48 / 60	Ø 76	Ø 76
Crown	mm	200 / 220	200 / 220	Ø 240	Ø 240
Weight	kg	8,5	9,5	10	14
Rolling shutter max. height	m	6	6	6	6

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor
- 2 Photoelectric cells
- 3 Wall mounted switches TA - TC / manual release cable
- 4 Warning light with inbuilt antenna
- 5 Electronic programmer
- 6 Mains wiring 230V
- 7 All pole circuit breaker with a minimum gap of 3 mm between the contacts
- 8 Channelling route for low voltage wires
- 9 Rolling shutter structure

Attention: The drawing is purely indicative and is supplied as 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.

