AUTOMATION FOR
ROLLING SHUTTERS AND
ROLL-UP GARAGE DOORS

CARDIN TRADE
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 tradition 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.
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 be fitted to all types of rolling shutter with a 60mm or 48mm drive shaft diameter and a crown wheel diameter of 200mm ± 220mm.
Maximum rolling shutter height 6m.

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 be fitted to all types of rolling shutter with a 60mm or 48mm drive shaft diameter and a crown wheel diameter of 200mm ± 220mm.
Maximum rolling shutter height 6m.

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 be 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.
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 RSQ504OC2 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.

AUTOMATIC ROLLING SHUTTERS
OVERALL DIMENSIONS

ELECTRONIC PROGRAMMER TECHNICAL DATA

<table>
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<tr>
<th></th>
<th>CRL170</th>
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<th>CRL360DE</th>
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<td>Crown mm</td>
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<td>Rolling shutter max. height m</td>
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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.