

# The models

## 230V Gearmotors

- E306** Automation device with IRREVERSIBLE 230V A.C. gearmotor for doors of up to 9 m<sup>2</sup>  
**E456** Automation device with IRREVERSIBLE 230V A.C. gearmotor for doors of up to 14 m<sup>2</sup>

## 230V Control panel

- ZE5** 230V A.C. Control panel with built-in radio decoder

## 24V Gearmotor

- E1024** Automation device with IRREVERSIBLE 24V D.C. gearmotor for doors of up to 14 m<sup>2</sup>

## 24V Control panels

- ZL170** Control panel with built-in radio decoder  
**ZL19A** Control panel with built-in radio decoder  
**LB18** Emergency back-up device to hold 3 12V - 7Ah batteries

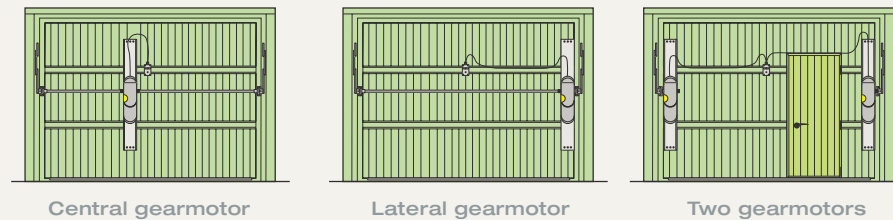
## Assembling accessories

- E001** Fastening base-guide L=2 m built specifically to fasten the ZE5 control panel  
**V121** Cord release device and release reset L=3 m  
**E781A** Accessories to assemble the lateral transmission  
**E782A** Drive shaft 25 x 25 mm L=3 m  
**E783** Pair of articulated arms  
**E784** Extra-strength lever for articulated arm for doors heights greater than 2.4 m  
**E785A** Pair of straight telescopic arms with rectangular tube 40 x 10 mm  
**E786A** Pair of curved telescopic arms with rectangular tube 40 x 10 mm  
**E787A** Extra-strength tube for E785A and E786A telescopic arms, for doors higher than 2.4 m  
**E881** Closing electric lock

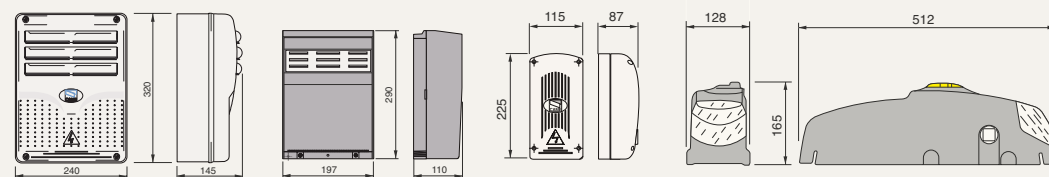
## Technical features:

Type	E306	E456	E1024
Degree of protection		IP50	
Control panel power supply		230V A.C. (50/60Hz)	
Motor power supply	230V A.C. (50/60Hz)	230V A.C. (50/60Hz)	24V D.C.
Absorbed input	2A	2A	15A
Max power	150W	200W	180W
Opening time	25s	25s	13 ÷ 22s
Operation Intermittence	50%	50%	Intensive use
Max torque	300Nm	420Nm	450Nm
Operating temperature		-20°C ÷ +55°C	

**Please note:** different types of automation systems may be installed depending on the dimensions, weight and possible pedestrian doors inserted into the gate/garage leaf.



## Dimensions:



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# EMEGA

Automation system for overhead garage doors of up to 14 m<sup>2</sup>



**Power and control for all of the overhead garage doors**

EMEGA is an electro-mechanical automated device which has been specifically engineered to operate medium-to-large sized overhead, wooden or insulated garage doors. With EMEGA there are no limits to the use of your garage door.



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.



# EMEGA

230V 24V

The automation system for overhead garage doors

The garage door automation system that makes entering easy, lights up the surrounding area and guarantees that the door locks shut when closed. The EMEGA series is particularly suited for medium-to-large sized, wooden or insulated doors. It also comes in the 24V version which enables opening even during a power outage.



**Comfortable and practical to use.** The built-in release lever provides manual opening of the overhead garage door during a power outage, and can be engaged even from outside by way of the door handle.



**Increased safety thanks to the ENCODER.** All of the 230V EMEGA versions are fitted with a standard ENCODER to provide obstruction detection and slowing down functions of the door.



**All this takes up very little space.** The simple-to-use mounting plate found on the EMEGA series can also be fitted with the ZE5 control panel giving the final assembly an aesthetic as well as functional touch.



**Illumination of the surroundings.** The practical lamp built-into the unit provides for better indoor visibility, making your final parking manoeuvres safer.

**No maintenance required.** EMEGA is an electro-mechanical automated device that does not contain liquid lubricants and thus does not require periodic maintenance.

**Design and ergonomics.** The casing cover has been designed to be free of any sharp corners or other dangerous parts, giving you an aesthetic values as well as peace-of-mind.



## The 230V electronics

Besides the normal command and safety functions, the electronics supplied with the 230V EMEGA series provide certain special features which enable total control of the automated unit, such as:

- > **Obstacle detection**  
thanks to the ENCODER device which regulates the gates leaf's slowing down phases.
- > **Delayed motion during the opening phase**  
ensures safe and silent closing of the gate leaf.
- > **Total control of the gate from the transmitter**  
which also includes the possibility of immediately stopping the gate's movement.

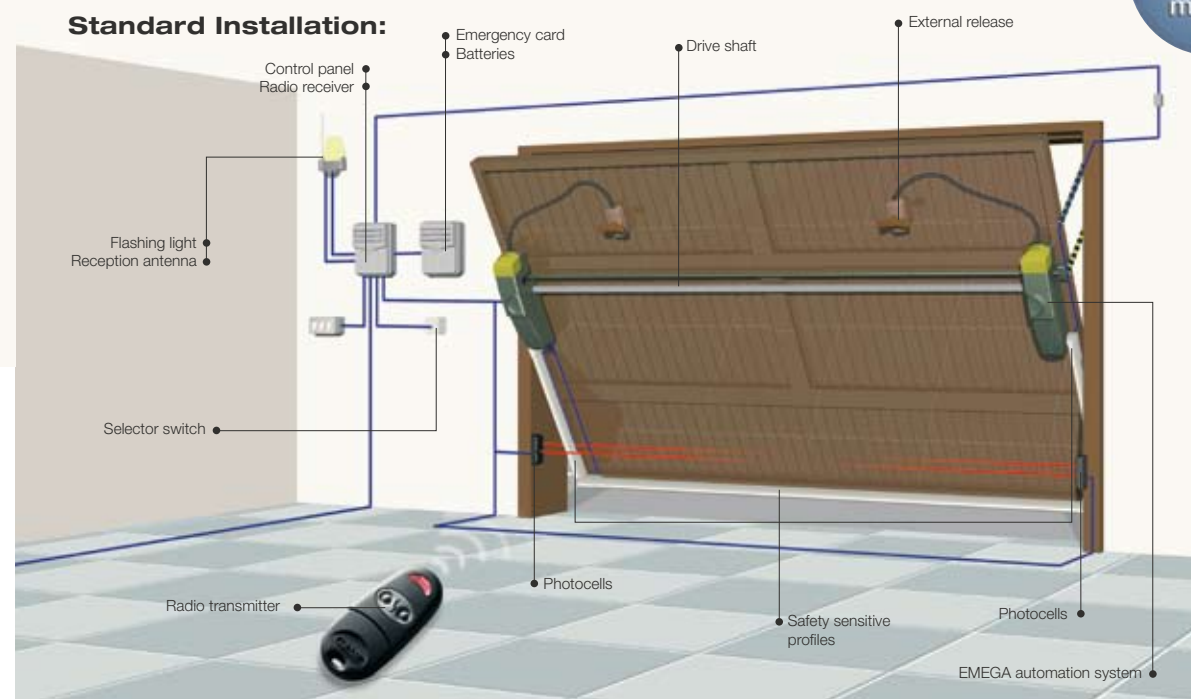
## The advantages of the 24V EMEGA

When the situation calls for the very best in terms of comfort, performance and safety, then the 24V technology rises to the challenge to express the full potential of the automation system, particularly for the following:

- > **Black-outs no more**  
EMEGA'S 24V electronics immediately act in the event of a power outage by activating the emergency function through the auxiliary batteries, to always open and close the gate (optional).
- > **Frequent passing**  
The low voltage gearmotor guarantees functioning even under the most severe working conditions such as condominium or heavy traffic conditions.
- > **Quick openings**  
For service features adaptable to single needs, the 24V electronics enable adjustment of the opening and closing speed while providing for a soft, smooth closing of the gate leaves.
- > **Obstruction detection**  
A special electronic circuit constantly analyses the proper functioning of the gate leaf, allowing for their total stop, or inversion of movement, when coming into contact with any obstructions.



### Standard Installation:



In the event a careful analysis of the automated gate's risks were to require it, the use of sensitive safety infrared or contact profiles becomes indispensable.