

Operator for  
overhead garage  
doors of  
up to 9 and 14 m<sup>2</sup>  
100 and 150 ft<sup>2</sup>



Gate operators tested  
in compliance with  
European  
Standards on the  
subject of impact  
force.

# Emega

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

Emega is an electromechanical operator 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.



**CAME**  
AUTOMATIC GATES

# Emega 230V 24V

The operator for overhead garage doors

The garage door operator 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.



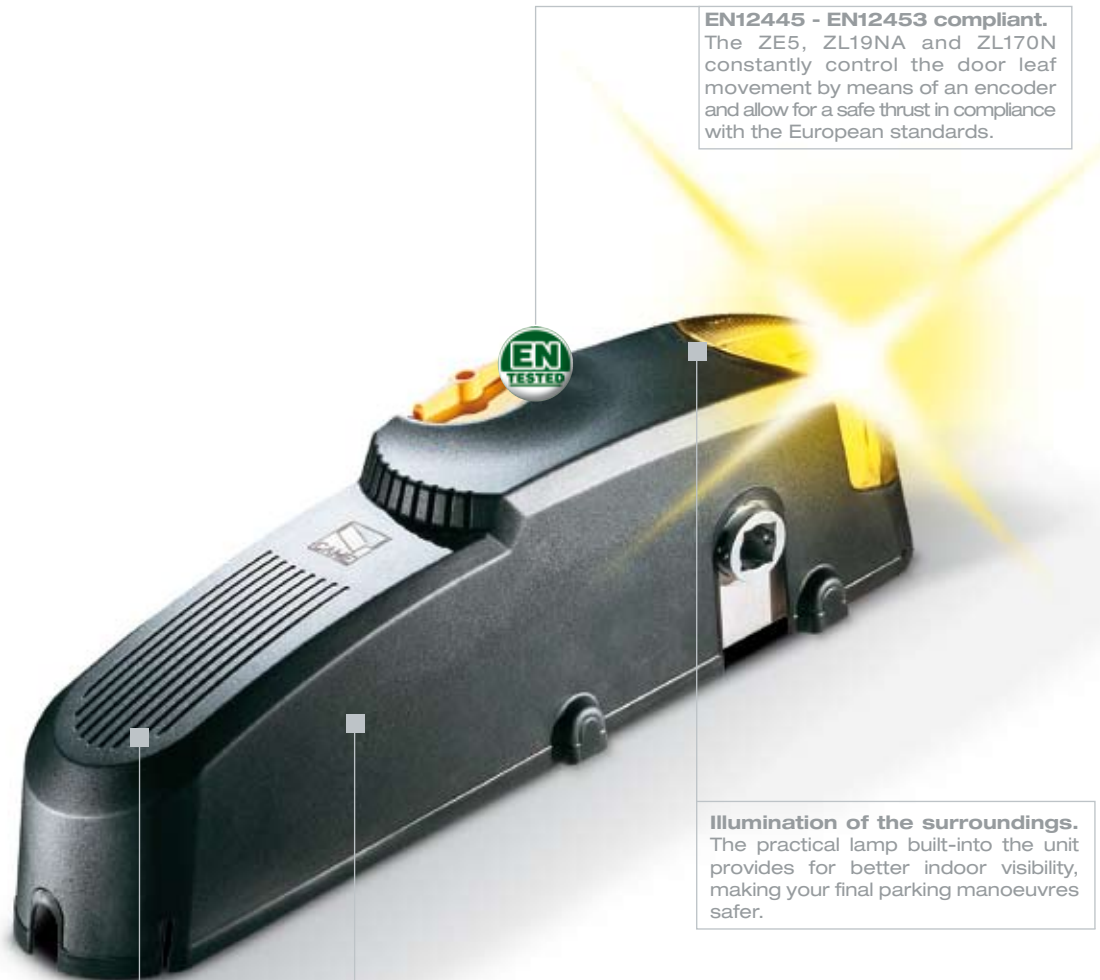
**Increased safety thanks to the encoder.**

All of the 230V Emega versions are fitted with a standard encoder to provide obstacle 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.



**EN12445 - EN12453 compliant.**  
The ZE5, ZL19NA and ZL170N constantly control the door leaf movement by means of an encoder and allow for a safe thrust in compliance with the European standards.

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

**No frequent maintenance required.**  
Emega is an electro-mechanical operator that does not contain liquid lubricants and thus does not require frequent 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 which regulates the door leaf's slowing down phases.
- > **Delayed movement during the opening phase**  
ensures safe and silent closing of the door leaf.
- > **Total control of the door from the transmitter**  
which also includes the possibility of immediately stopping the door's movement.

## The advantages of the 24V Emega

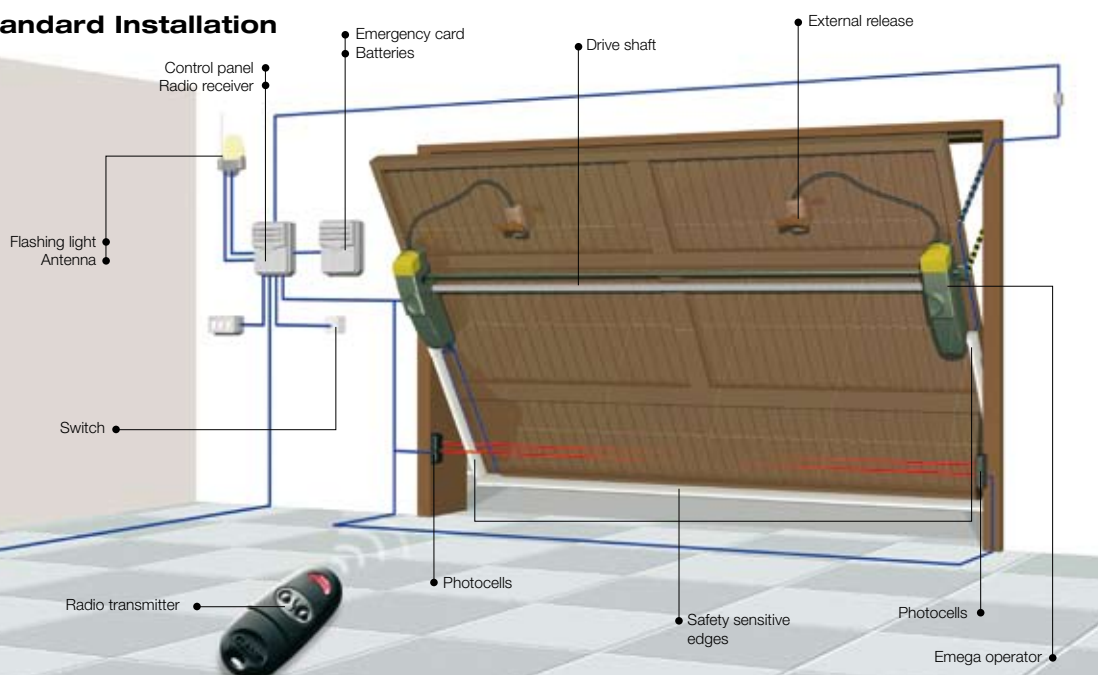


When the situation calls for the very best in terms of comfort, performance and safety, then the 24V technology rises to the challenge to express the full potential of the automation system, particularly for the following:

- > **Controlled impact forces**  
Thanks to laboratory testing carried out on a door sample, 24V Emega is European standard EN12445 and EN12453 compliant, in terms of impact forces.
- > **No more blackouts**  
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 door (optional).
- > **Frequent passing**  
The low voltage gearmotor guarantees functioning even under the most severe working conditions such as apartment blocks or intensive use.
- > **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 door leaves.



### 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 edges becomes indispensable.



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.

# The range

## 230V A.C. operators and control panel

- E306** Self-locking operator for doors of up to 9 m<sup>2</sup> / 100 ft<sup>2</sup>.
- E456** Self-locking operator for doors of up to 14 m<sup>2</sup> / 150 ft<sup>2</sup>.
- ZE5** Control panel with built-in radio decoder to be fixed on E001 guide-base.



## 24V D.C. operator and control panels

- E1024** Self-locking operator for doors of up to 14 m<sup>2</sup> / 150 ft<sup>2</sup>.
- ZL170N** Control panel for overhead garage doors with one operator and with built-in radio decoder.
- ZL19NA** Control panel for overhead garage doors with two operators and with built-in radio decoder.



## Accessori

- LB18** Casing with emergency card, fitted to house three 12V - 7 Ah batteries (for ZL170N and ZL19NA control panels).
- E001** Fastening guide-base L = 2 m / 6.56 ft.
- V121** Cord release device and release reset L = 3 m / 9.84 ft.
- E781A** Accessories to assemble the lateral transmission.
- E782A** Square drive shaft 25 x 25 mm L = 3 m / 0.98 x 0.98 in L = 9.84 ft. (Necessary when installing n. 2 E1024 operators).
- E783** Pair of articulated arms.
- E784** Extra-long lever for articulated arm. For doors higher than 2.4 m / 7.87 ft.
- E785A** Pair of straight telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.
- E786A** Pair of curved telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.
- E787A** Extra-long shaft for E785A and E786A telescopic arms, for doors higher than 2.4 m / 7.87 ft.
- E881** Closing electric lock.



## Technical features

Type	E306	E456	E1024
Protection rating	IP50	IP50	IP50
Power supply (V) (50/60Hz)	230 A.C.	230 A.C.	230 A.C.
Motor power supply (V)	230 A.C. 50/60Hz	230 A.C. 50/60Hz	24 D.C.
Current draw (A)	2	2	15 max
Power (W)	190	200	180
90° opening time (s)	25	25	13 / 22
Duty cycle (%)	50	50	INTENSIVE USE
Thrust (Nm)	300	420	450
Operating temperature (°C/°F)		-20 - +55 / -4 - +131	
Motor's thermo-protection (°C/°F)	150 / 302	150 / 302	-

● 230V A.C. ● 24V D.C.

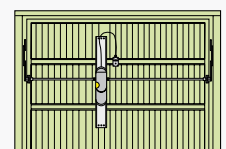
## Limits to use

Type of door	Overhead counterweighted or spring-loaded extended or partially extended doors	Overhead Spring-loaded Spring-loaded	Overhead Counterweighted Doors
	Door's surface m <sup>2</sup> / ft <sup>2</sup>	Door's surface m <sup>2</sup> / ft <sup>2</sup>	Door's surface m <sup>2</sup> / ft <sup>2</sup>
E306	9/100	9/100	9/100
E456	14/150	14/150	14/150
E1024	14/150	14/150	14/150

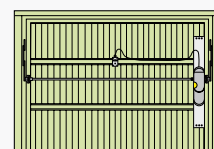
● 230V A.C. ● 24V D.C.

## Note

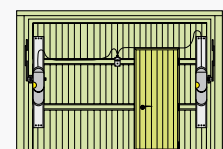
Different types of operators may be installed depending on the dimensions, weight and possible pedestrian doors inserted into the gate/garage leaf.



Central operator

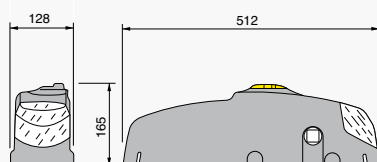


Lateral operator

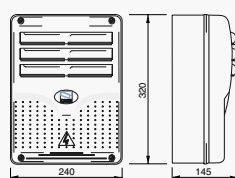


Two operators

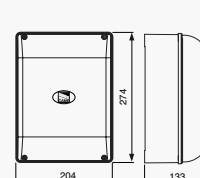
## Dimensions



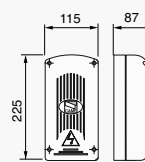
EMEGA



ZL19NA / LB18



ZL170N



ZE5

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PRODUCTS

