

## 230V Electromechanical operator



Max width single leaf

1.8 m

Use frequency (cycles/hour)

18



- Non reversing operator, does not require electric lock.
- Easy installation and maintenance.
- Lever release device on the rear side of the operator.



**24V SAFEzone  
system:**  
412 + E045 or E145 +  
SAFEcoder



**GREENtech  
system:**  
412 + E045 or E145



### DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	412 RH	412 LH
Power supply voltage	220-240V~ 50/60 Hz	
Motor	Asynchronous single phase	
Max. power	280 W	
Max expressed force	3500 N (*)	
Rod max speed	16 mm/s (*)	
Rod travel	290 mm	
Max. leaf opening angle	110°	
Operating ambient temperature	-20°C ÷ + 55°C	
Thermal protection	140°C	
Protection class	IP44	
Weight	6.5 Kg	
Use frequency	18 cycles/hour	
Max. leaf width	1.8 m	
Mounting brackets	Rear attachment to be welded/screwed - front attachment to be welded	
Dimensions (LxDxH)	991 x 101 x 172 mm	
Electronic equipment	Not included	

(\*) data referred to 230V~ 50Hz.

## FAMILY MODELS

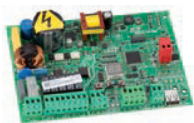
Model	Item code
412 RH	104470
412 LH	104471

## PACKS

**412 RH/LH includes:** an electromechanical operator (RH or LH), installation accessories, a release key, a 400V 8μF thrust capacitor.

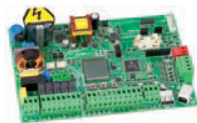
Typical Installation Examples page. 320

## ELECTRONIC CONTROL UNITS



E045 electronic control unit  
Info at page 142

790005



E145 electronic control unit  
Info at page 144

790006

## ACCESSORIES



Enclosure mod. L for electronic control units

720118



Enclosure mod. E for electronic control units

720119



Enclosure mod. LM for electronic control units

720309

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Plate to be walled

737604



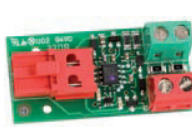
Pair of supplementary release keys

713009



SAFEcoder (BUS magnetic absolute encoder) for 412 operator (FAAC Patent)

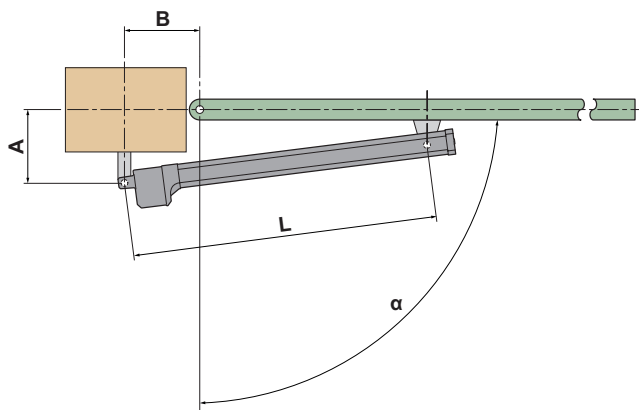
404041



BUS XIB interface (for E045 or E024S control unit with non BUS photocell)

790062

## INSTALLATION DIMENSIONS (MM)



$\alpha$	A	B	L
90°	145	145	892
100°	125	125	

## NOTE

The version for right leaves (RH and LH) is determined looking at the gate from inside the property.

For any other configuration please refer to the technical manual

## OTHER ACCESSORIES

Key operated buttons  
page 174

Safety devices  
page 186

Transmitters and receivers  
page 166

Photocells and columns  
page 183

Flashing lights  
page 194

Various accessories  
page 195