

Electro-mechanical operator

for residential swing-leaf gates
with single-leaf width of 1.8 m

CE



- Non reversing operator, does not require electric lock.
- Applications with lower manoeuvring intensity.
- Simplified installation and maintenance.
- Anti-crushing safety thanks to the electronic device.

DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 412

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Thermal protection on motor winding	140 °C
Absorbed power	280 W	Operating ambient temperature	-20 °C to +55 °C
Absorbed current	1.5 A	Protection class	IP 44
Motor rotation speed	1400 r.p.m.	Weight	6.5 kg
Rod extension speed	1.5 cm/s	Dimensions (L x D x H) in mm	1000 x 90 x 195
Traction and thrust force	0 to 320 daN		

EXAMPLE OF A TYPICAL INSTALLATION



- (A) **Low voltage cabling**
- 3 cables 3x0.50
 - 1 cable 2x0.50

- (B) **Power cabling (230 V)**
- 2 cables 3x1.50+T
 - 1 cable 2x1.5+T
 - 1 cable 2x1.5

N.B.: Cable sections in mm²

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Ref.	Q.ty	Description	Item code	Price (euro)
①	1	Operator 412 RH	104470	
①	1	Operator 412 LH	104471	
④	1	Control board 452 MPS	790916	
	1	Enclosure mod. E	720119	
	1	Receiver board RP 433 SLH	787824	
	1	Two-channel transmitter XT2 433 SLH	787003	
②	1	Flashing lamp FAACLIGHT	410013	
⑥	1	Pair of photocells SAFEBEAM	785165	
③	1	Key-operated push-button T10 E	401019001/36	
TOTAL				

Notes

IMPORTANT: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

• The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

412

Model	Use		Item code	Price (euro)
	Single-leaf max. width (m)	Use frequency (cycles/hour)		
412 RH	1.80	18	104470	
412 LH	1.80	18	104471	

The package contains: an electro-mechanical operator (RH or LH), installation accessories, a release key, a thrust capacitor 8 μ F 400 V.

CONTROL UNITS



Control board 452 MPS
Technical specifications page 148

Item code 790916
Price (euro) _____



Control board 455 D
Technical specifications page 149

Item code 790917
Price (euro) _____



Control board 462 DF
Technical specifications page 150

Item code 790918
Price (euro) _____



Enclosure mod. L
for control boards

Item code 720118
Price (euro) _____



Enclosure mod. E
for control boards

Item code 720119
Price (euro) _____



Enclosure mod. LM
for control boards

Item code 720309
Price (euro) _____

SPECIFIC ACCESSORIES



Plate for walling-in

Item code 737604
Price (euro) _____



Extra release key
(2 pc. package)

Item code 713009
Price (euro) _____

Notes

- For anti-crushing safety, use control units 452 MPS, 455 D or 462 DF, equipped with an electronic force control device.
- The right leaf version (RH and LH) can be determined by looking from the inside of the property.

OTHER ACCESSORIES



Key-operated push-buttons
page 185



Photocells and Columns
page 189



Safety devices
page 191



Flashing lamps
page 193



Transmitters
page 182



Various accessories
page 194