

Electro-mechanical operator with articulated arm

for residential swing-leaf gates with single-leaf width of 1.8 m (3 m with electric lock), for bi-folding doors with 1.5 m maximum width of single panel



- Non reversing operator, does not require electric lock up to 1.8 m.
- Maximum anti-crushing safety thanks to an exclusive electronic device.

- **IMPORTANT:** to ensure correct operation, make sure that the distance between the gate hinge and the pillar edge is max 300 mm.

DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 390

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Max. torque	250 Nm
Absorbed power	280 W	Thermal protection on motor winding	140 °C
Absorbed current	1.2 A	Operating ambient temperature	-20 °C to +55 °C
Motor rotation speed	960 r.p.m.	Protection class	IP 44
Reduction ratio	1:700	Weight	11.5 kg
Angle speed	8°/s	Dimensions (L x D x H) in mm	410 x 130 x 130

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

Ref.	Q.ty	Description	Item code	Price (euro)
①	2	Operators 390	104570	
①	2	Articulated arms	738705	
④	1	Control board 452 MPS	790916	
④	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.

390

Model	Use		Control unit	Item code	Price (euro)
	Single-leaf max. width (m)	Use frequency (cycles/hour)			
390	1.80 (3 with electric lock)	15	Not included	104570	

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

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)



XK21H 230 V - Burglar-resistant
key-selector with lever release

Item code 401300
Price (euro)

SPECIFIC ACCESSORIES



Articulated arm

Item code 738705
Price (euro)



Telescopic arm
(application for folding doors)

Item code 738706
Price (euro)



External release device with cable and sheath*
Length 5 m

Item code 401057
Price (euro)



Single limit switch kit
(opening or closing)**

Item code 390682
Price (euro)

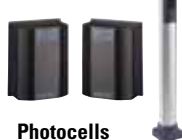
Notes

- (*) To be used with key-operated push-buttons T21 EF or T21 IF (see page 167). (**) The operator 390 can be equipped with a closing travel limit device and an opening travel limit device. Board 455 D or 462 DF must be used to control the travel limit device/s.
- For anti-crush safety, use CONTROL UNITS 452 MPS, 455 D or 462 DF, equipped with an electronic torque control device.
- **IMPORTANT: The operator 390 must be provided with an articulated arm (swing leaf gate) or with a telescopic arm (for folding doors).**

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