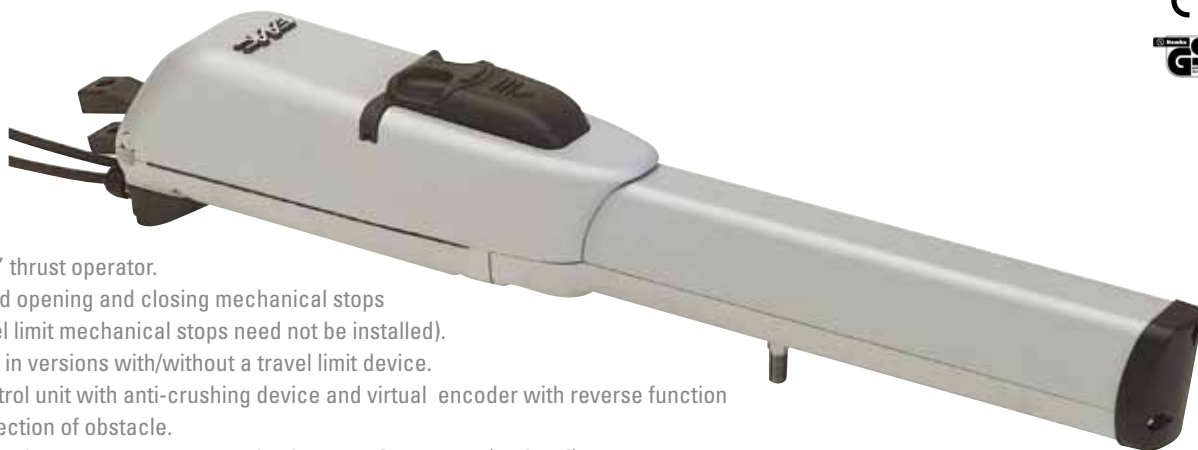


Electro-mechanical operator

for residential swing-leaf gates with single-leaf max width of 1.8 m (2.5 m with electric lock)



- "Off axis" thrust operator.
- Integrated opening and closing mechanical stops (the travel limit mechanical stops need not be installed).
- Available in versions with/without a travel limit device.
- New control unit with anti-crushing device and virtual encoder with reverse function upon detection of obstacle.
- Emergency battery to ensure operation in case of powercut (optional).
- Manual release device with simplified key-protected activation.
- 24 Vdc power supply to travel limit devices (if present) for maximum safety, with facility for controlling travel limit stops and slow-down.
- Horizontal exit for cables to allow near to ground installation (low installation).

New

- Option to add BUS XIB interface for applications using NO BUS devices.

DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 413 LS 24 V

413 LS - 24 V		413 LS - 24 V	
Power supply	24 Vdc	Leaf max. width (*)	2.5 m
Power	70 W	Type and frequency of use at 20 °C	Continuous use
Current	3 A	Indicative minimum hourly cycles at 20 °C	~100
Thermal protection	-	Operating ambient temperature	-20 °C to +55 °C
Capacitor	-	Weight of operator	6.5 kg
Thrust	250 daN	Dimensions (L x D x H) in mm	785 x 105 x 148
Rod stroke	300 mm (350 mm without mechanical stops)	Protection class	IP 44
Rod extension speed	1.6 cm/sec	Travel limit microswitches	NO YES
		Opening and closing mechanical stops	YES

(*) Use of the electric lock is recommended over 1.80 m

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	Operator 413 - LS 24 Vdc	1044141	
④	1	Control unit E024S	790286	
④	1	Receiver XF 433	319006	
	1	Two-channel transmitter XT2 433 SLH	787003	
②	1	Flashing lamp FAACLIGHT 24 Vdc	410014	
⑥	1	Pair of photocells XP 15B	785149	
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.

413 - 24 VDC

Model	Use		Item code	Price (euro)
	Single-leaf max. width (m)	Use frequency (cycles/hour)		
413 LS- 24 Vdc	1.80 (2.5 with electric lock)	Continuous use	1044141	

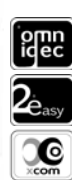
The package contains: an electro-mechanical operator, installation accessories, a release key, a thrust capacitor 6.3 μ F 400 V.

CONTROL UNITS



Control unit E 024S**
Technical specifications page 159

Item code 790286
Price (euro) _____



Control unit E 124
Technical specifications page 160

Item code 790284
Price (euro) _____



Emergency battery kit XBAT 24
(not for E 124)

Item code 390923
Price (euro) _____

SPECIFIC ACCESSORIES



Plate for walling-in

Item code 737604
Price (euro) _____



Emergency battery support kit *
(only for E 124)

Item code 390926
Price (euro) _____



BUS XIB interface
(if E024S board is used with non BUS photocells)

Item code 790062
Price (euro) _____



Receiving-transmitting module X-COM

Item code 787150
Price (euro) _____



X-COM BOX module

Item code 790061
Price (euro) _____

Notes

- (*) The 2 Pb standard batteries are not supplied by FAAC. 12 V/4Ah needed. Dimensions: 90x70x108 mm.
- (**) Limit switches can be used with E124 control board only.

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