

# Underground electro-mechanical operator

for residential swing-leaf gates with single-leaf width of 3.50 m and max weight of 500 kg  
See graph on page 67

CE

- Invisible operator.
- Access to the operator is possible without removing the leaf.
- Protection class IP 67.
- 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 a power cut (optional).

## New

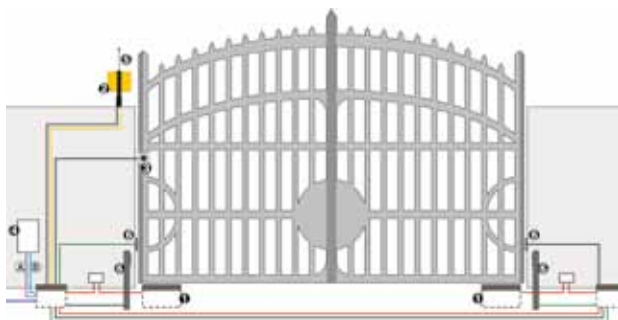
- Option to add BUS XIB interface for applications using NO BUS devices.



## DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 770 - 24 Vdc

Reduction ratio	1:1418
Power supply voltage	24 Vdc
Absorbed power	70 W
Absorbed current	3 A
Max traction thrust force	300 Nm
Angle speed	6°/sec
Type and frequency of use at 20 °C	100%
Leaf max. opening angle	100° (140° and 180° with optional kit)
Leaf max. width	3.5 m (110°), 3 m (180° with optional opening kit), 2.5 m (140° with optional opening kit)
Weight	12 kg (with carrier case 14 kg)
Protection class	IP 67
Operator dimensions	360x150x140 mm
Operating ambient temperature	-20 °C to +55 °C
Carrier case dimensions	430 x 307.5 x 214
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Carrier case dimensions	430 x 307.5 x 214 mm

## 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 mm<sup>2</sup>

Ref.	Q.ty	Description	Item code	Price (euro)
①	2	Operators 770 - 24 Vdc	106753	
④	1	Control unit E024S with enclosure	790286	
	2	Carrier cases with key-operated release system	490065	
⑤	1	Frequency module XF 433	319006	
	1	Two-channel transmitter XT2 433 SLH	787003	
②	1	Flashing lamp FAACLIGHT 24 Vdc	410014	
⑥	2	Pair of photocells XP 15B	785149	
⑥	2	Aluminium columns for XP 15B	401039	
		Foundation plates for columns	737637	
③	2	Key-operated push-button T10E	401019001/36	
	1	Plastic enclosure to be walled in	720086	
<b>TOTAL</b>				

### 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.

## 770 - 24 VDC

Model	Use			Control unit	Item code	Price (euro)
	Single-leaf max. width (m)	Max. weight (kg)	Use frequency (cycles/hour)			
770 - 24 Vdc	2 (3.5 with electric lock)	500	100	Not included	106753	

**The 770 operator package includes:** an electro-mechanical operator, installation accessories, two release keys.

**The carrier case package includes:** a carrier case, a cover in stainless steel, a leaf support bracket with a lever release system, two release keys and installation accessories.

### CONTROL UNITS



**Control unit E 124**  
Technical specifications page 160

Item code 790284  
Price (euro)

**Control unit E 024S**  
Technical specifications page 159

Item code 790286  
Price (euro)

**Emergency battery kit\* (only for E 124)**

Item code 390926  
Price (euro)

**Emergency battery kit XBAT 24 (not for E 124)**

Item code 390923  
Price (euro)

**BUS XIB interface**  
(if E024S board is used with non-BUS photocell)

Item code 790062  
Price (euro)

### SPECIFIC ACCESSORIES



**Carrier case with release system (Patented)**

Item code 490065  
Price (euro)



**NEW Carrier case in stainless steel with release system (Patented)**

Item code 490110  
Price (euro)

**Release lock with customised key from no. 1 to no. 36**

Item code 712501001 to 712501036  
Price (euro)

**140° opening kit**

Item code 390612  
Price (euro)

**Receiving-transmitting module X-COM**

Item code 787150  
Price (euro)

**Magnetic travel limit kit**

Item code 490126  
Price (euro)

**NEW 180° opening kit**

Item code 490111  
Price (euro)

**X-COM BOX module**

Item code 790061  
Price (euro)

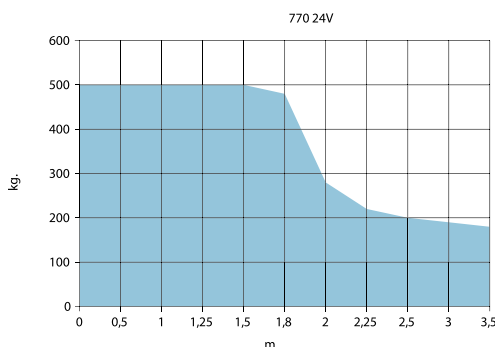
### Internal opening mechanical stop

Item code 722121  
Price (euro)

### Internal closing mechanical stop

Item code 722122  
Price (euro)

Leaf m.	Kg
0	500
0,5	500
1	500
1,25	500
1,5	500
1,8	480
2	280
2,25	220
2,5	200
3	190
3,5	180



### Notes

- **IMPORTANT:** the 770 - 24 Vdc operator must be supplied with a carrier case.
- You'll need the following for a two-leaf gate: two operators, two carrier cases and an control unit.
- In the event of a power cut, the battery kit provides 15 opening and closing cycles.
- (\*) The 2 Pb standard batteries are not supplied by FAAC. 12 V/4Ah needed. Dimensions: 90x70x108 mm.

### 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