

# 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 47

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).

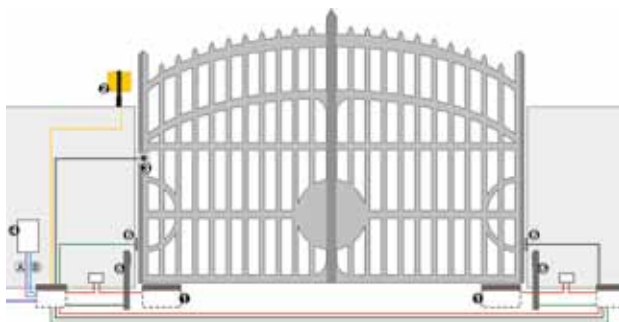


- **New 770N version with new design available from June 2012.**

## DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 770 / 770N - 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	110° (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
Operating ambient temperature	-20 °C to +55 °C
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
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 LR	787007
②	1	Flashing lamp FAACLIGHT 24 Vdc	410014
⑥	2	Pair of photocells XP 15B	785149
⑥	2	Aluminium columns for XP 15B	401039
	2	Foundation plates for columns	737637
③	2	Key-operated push-button T10E	401019001/36
	1	Plastic enclosure to be walled in	720086

### 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
	Single-leaf max. width (m)	Max. weight (kg)	Use frequency (cycles/hour)		
770 - 24 Vdc	2 (3.5 with electric lock)	500	Continuous use	Not included	106753
<b>NEW</b> 770 - 24 Vdc	2 (3.5 with electric lock)	500	Continuous use	Not included	106754

The **770/770N 24 Vdc 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. (\*) See graph below.

### CONTROL UNITS



**Control unit E 024S**  
Technical specifications page 141

Item code 790286



**Control unit E 124**  
Technical specifications page 142

Item code 790284

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

Item code 390923

### SPECIFIC ACCESSORIES



**Encoder unit for 770N**

Item code 404035

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

Item code 390926

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

Item code 790062

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

Item code 490110

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

Item code 712501001 to 712501036

**140° opening kit**

Item code 390612

**Receiving-transmitting module X-COM**

Item code 787150

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

Item code 490065

**Magnetic travel limit kit**

Item code 490126

**NEW 180° opening kit**

Item code 490111

**X-COM BOX module**

Item code 790061

**Internal opening mechanical stop**

Item code 722121

**Couple of carrier cases without release system**

Item code 490140

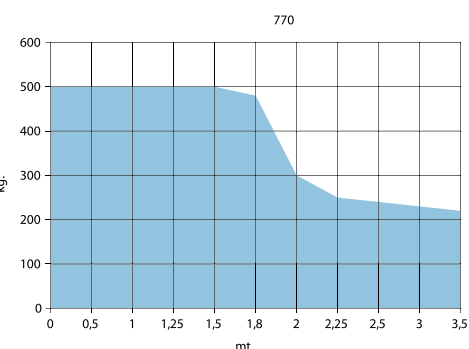
**Internal closing mechanical stop**

Item code 722122

**Release lever**  
(for code 490140)

Item code 424010

Anta mt.	Kg
0	500
0,5	500
1	500
1,25	500
1,5	500
1,8	480
2	300
2,25	250
2,5	240
3	230
3,5	220



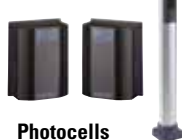
#### Notes

- **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 159



**Photocells and Columns**  
page 163



**Safety devices**  
page 166



**Flashing lamps**  
page 167



**Transmitters**  
page 156



**Various accessories**  
page 168