

# 748 COMPACT - 24 Vdc

## **low voltage gearmotor** *for sliding gates with max weight of 400 kg*



### **EASY PROGRAMMING: SELF-LEARNING**

To "initialise" the automated system, just carry out the SETUP operation, selecting a suitable dipswitch. The following parameters are automatically self-learned during this operation:

- **Opening/closing times**
- **Pause time**
- **Traction/thrust force**
- **Deceleration at end of opening and closing**
- **Soft Start (starting at gradual speed)**

### **SAFETY: ANTI-CRUSHING ELECTRONIC DEVICE**

Continuously controlled electronic clutch, active at both opening and closing

- Two sensitivity levels
- Movement reversed in case of an obstacle
- Emergency stop function (if clutch operates for two consecutive cycles)

### **BLACK OUT: EMERGENCY OPERATION**

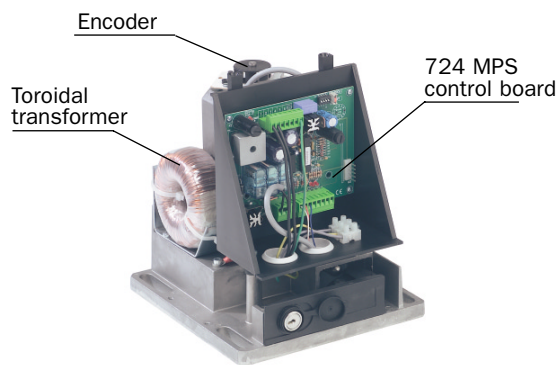
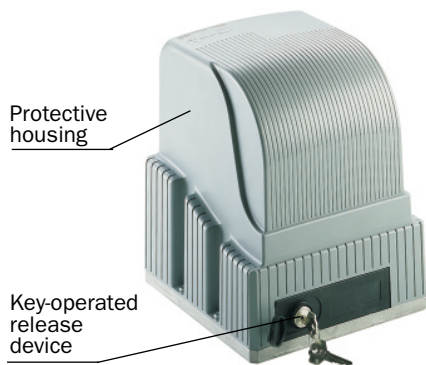
Emergency battery (optional) ensuring operation during a power cut (15 cycles max)

### **IRREVERSIBLE**

As the gearmotor is non reversing, no electric locks need be installed and, in the event of power failure, the release device (protected by a customised key) makes it possible to open and close the gate manually.

### **SPECIFICATIONS**

Non-reversing screw gearmotor • Gate max. weight 400 Kg • Gate speed 12 m/min • Max. use frequency 70% • Max thrust 40 daN (Z16) • Electric motor power supply 24 Vdc • Electric motor power 70 W • Operating ambient temperature -20°C +55°C • Protection class IP 44 • Lever operated release device with coded key • Pinion Z 16/module 4 • Encoder controlled stroke limit • ABS protective housing • Galvanised foundation plate • Dimensions (L x W x H) 210x260x245 (mm) • Built-in control board • Self-learning of: Opening/closing times - Pause time - Traction/thrust force - Travel limit deceleration • Soft Start (starting at gradual speed) • Emergency battery (optional)

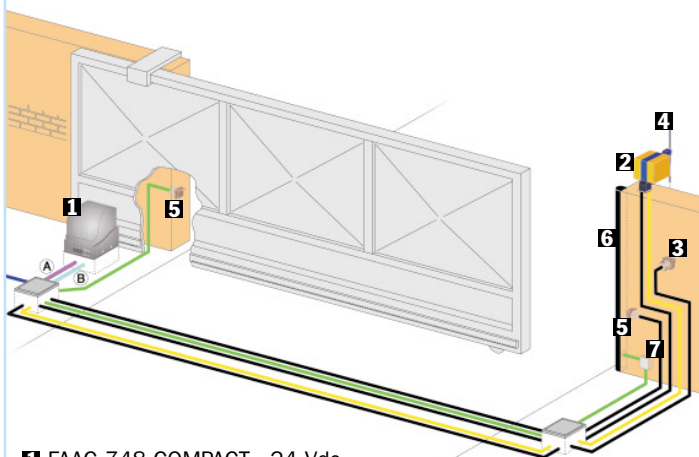


Model	Use	
	Max weight (kg)	Use frequency (%)
748 COMPACT	400	70

Technical specifications of 748 - 24 Vdc gearmotor	
Power supply	24 Vdc
Power	70 W
Absorbed current	3 A
Electric motor	1.400 rpm
Max torque	13,5 Nm
Traction and thrust force (pinion Z16)	0 - 40 daN
Pinion	Z16 module 4
Gate speed	12 m/min.
Operating ambient temperature	-20°C +55°C
Weight	10 kg
Limit switch	Encoder
Protection class	IP 44

Specifications of 724 MPS control board (built into gearmotor in separate container) (*)	
Power supply	22 Vac (+6% -10%) 50 (60) Hz
Absorbed power	3 W
Motor maximum load	70 W
Accessories max load	24 Vdc 500 mA
Flashing lamp max load	24 Vdc 15 W max
Operating ambient temperature C	-20°C + 55°C
Protection fuses	3.15A/250V (logic/accessories output) 10 A/250V (motors)
Function logics	Automatic/ "Stepped" semi-automatic
Electronic clutch	Two levels (dip-switch selectable)
Opening/closing times	Self-learning
Pause times	Self-learning
Deceleration	At opening and closing (self-learning)
Transformer	Toroidal - 230 Vac/22 Vac - 150 VA
<b>Terminal board inputs</b>	22Vac power supply/ Batteries power supply /Encoder/Total opening / Pedestrian opening / Safety devices /Stop/ System earth
<b>Terminal board outputs</b>	24 Vdc power supply for accessories /24 Vdc motor / Electric lock /24 Vdc flashing lamp
<b>Rapid connector</b>	Card receivers/Decoding cards

### INSTALLATION DIAGRAM SPECIMEN

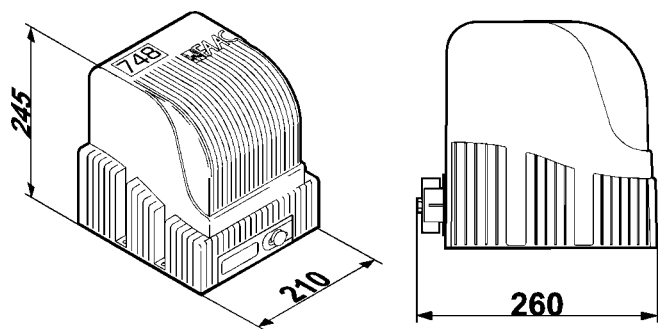


- 1 FAAC 748 COMPACT - 24 Vdc with built-in control board/RP 433 DS
- 2 FAAC MINILAMP - 24 Vdc
- 3 FAAC T10 E
- 4 ANTENNA 433 MHZ
- 5 FAAC PHOTOBEM
- 6 PNEUMATIC EDGE S 30
- 7 JUNCTION BOX with pressure switches

Low voltage cabling	Power cabling (230V)
(A) { 3 cables 3x0.5 2 cables 2x0.5	(B) { 1 cable 2x1.5+T 1 cable 2x1.5

N.B: Cable diameters in mm<sup>2</sup>

### Dimensions



Values in mm

Enclosure	
Dimensions	305 x 225 x 125 mm
Protection class	IP55
Designed to house toroidal transformer/ control board / emergency batteries	

Emergency batteries (optional) (*)	
Voltage/current	12 V/4,5 Ah
Dimensions	90 x 70 x 108 mm
Nr. of opening/closing operations.	15 max

(\*) To use the emergency batteries an electronic card separate from the gearmotor must be utilised. The card is supplied with the transformer in the appropriate container where the emergency batteries can also be housed.