

# 412 COMPACT

## **electro-mechanical operator** *for residential two-leaf swing gates with single-leaf length of 1.8 m*



### **THE IDEAL CHOICE FOR RESIDENTIAL GATES**

The FAAC 412 Compact is the most practical and economical choice for residential gates up to 1.8 metres in length per leaf. It is available in a handy package, complete with operators, electronic equipment and accessories for easy installation. The 412 Compact operator is non-reversing and, therefore, does not require electric locks and bolts.

### **QUICK AND EASY TO INSTALL**

Quick and easy to install, no need for expensive modifications to the existing load bearing structure. Use of electro-mechanical technology makes the FAAC 412 Compact ideal for light duty applications.

### **ELECTRONIC SAFETY**

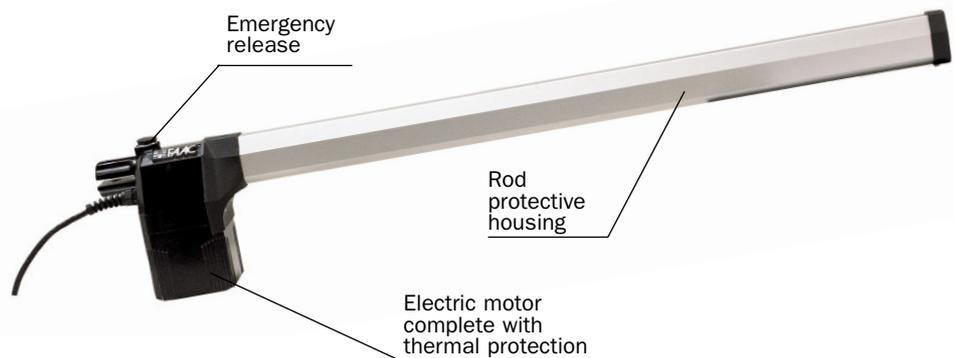
Anti-crushing protection is ensured by an electronic device directly controlling operator drive torque. In case of an emergency, the release key makes it possible to operate the gate manually.

### **LESS MAINTENANCE, HIGHLY RELIABLE**

The FAAC 412 Compact electro-mechanical device cuts down considerably on maintenance. Reliability is assured under all atmospheric conditions and in an outdoor temperature range of -20°C to +55°C.

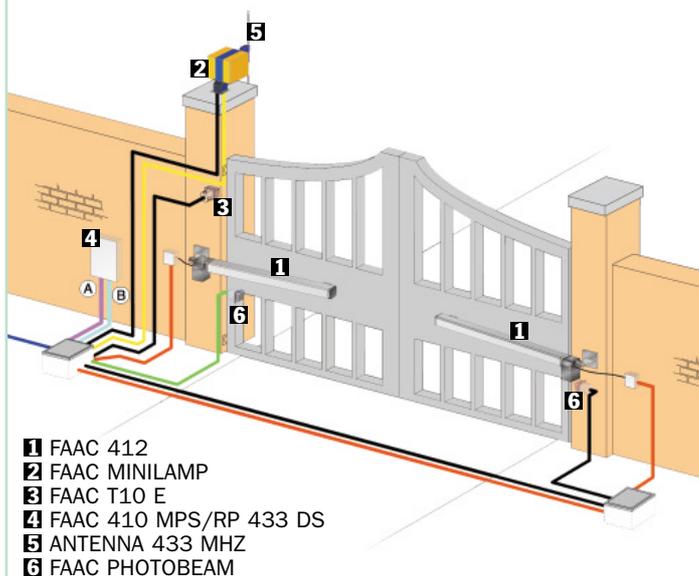
### **SPECIFICATIONS**

Non-reversing electro-mechanical screw actuator for swing-leaf gates • Leaf maximum length 1.8 m • Max use frequency 18 cycles/hour • Pillar installation • Leaf opening inwards or outwards • Max opening angle 110° • Max traction/thrust force of 320 daN • Rod speed 1.6 cm/s • Rod effective stroke 290 mm • Electric motor power supply 230 V (+6% -10%) - 50(60) Hz • Electric motor power 280 W • Thermal protection at 140° built into motor winding • Overall dimensions (Length x Width x Height) 1.000x90x195 mm • Protection class IP44 • Operating ambient temperature -20°C +55°C • Built-in release device with hexagonal key • Motor body transversally located, and painted • Screw housing in anodised aluminium



Model	Use		
	Single leaf max length (m)	Nr. of leaves	Use frequency (cicli/ora)
412 COMPACT	1,80	2	18

### INSTALLATION DIAGRAM SPECIMEN

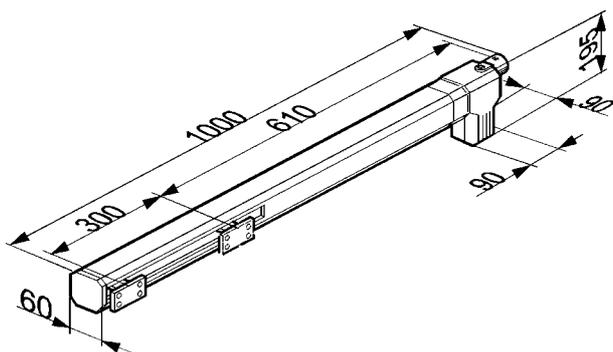


Low voltage cabling		Power cabling (230V)	
A	3 cable 3x0,5	B	2 cable 3x1,5+T
	1 cable 2x0,5		1 cable 2x1,5+T
			1 cable 2x1,5

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

Operator technical specifications	412
Power supply	230 V~ (+6% -10%) 50 (60) Hz
Absorbed power	280W
Absorbed current	1,5 A
Motor rotation speed	1.400 rpm
Rod extension speed	1,5 cm/s
Traction and thrust force	0÷320 daN
Thermal protection on motor winding	140°C
Operating ambient temperature	-20°C +55°C
Protection class	IP 44
Weight	6,5 kg

### Dimensions



Values in mm

### Specifications of 410 MPS control board

Power supply	230 V~ (+6% -10%) 50 (60) Hz
Transformer power	8,5 VA
Accessories output	24 Vdc 290 mA max
Motors maximum load	800W
Operating ambient temperature	-20°C +55°C
Three protection fuses	5 A motor - 0,8 A accessories 0,25 A logic
Leaf opening delay	2,5 s
Enclosure dimensions Mod. E	204x265x85 mm (LxHxD)
Protection class	IP 55

- **Input signalling LED**
- **Programmable functions**
  - Four function logics
  - "Closing photocell" function logic
  - Torque control trimmer
  - Pause time control trimmer
  - Motion time control trimmer
  - Trimmer for controlling leaf closing delay
- **Opening and closing safety devices inputs**
- **SMT Technology**
- **Photocells fail safe**