

610

automatic barrier for beams up to 4 m



IDEAL FOR MEDIUM TRANSIT FREQUENCY

Specifically designed for medium transit frequency, the FAAC 610 range is available also with an articulated beam for low ceilings. For rapid opening, the 610 RAPID version is ideal for beams up to 2.5 m in length.

TOTAL SAFETY

Ideal for controlling small and medium private areas, the whole 610 range has an anti-crushing hydraulic safety device, a hydraulic lock to hold the barrier open or closed, manual release by triangular key.

LONG TERM RELIABILITY

Use of cutting-edge materials and treatments such as cataphoresis and niplay, plus tried-and-tested FAAC hydraulic technology, all combine to ensure long-life.

DESIGNED TO HOUSE OTHER TECHNOLOGICAL ITEMS

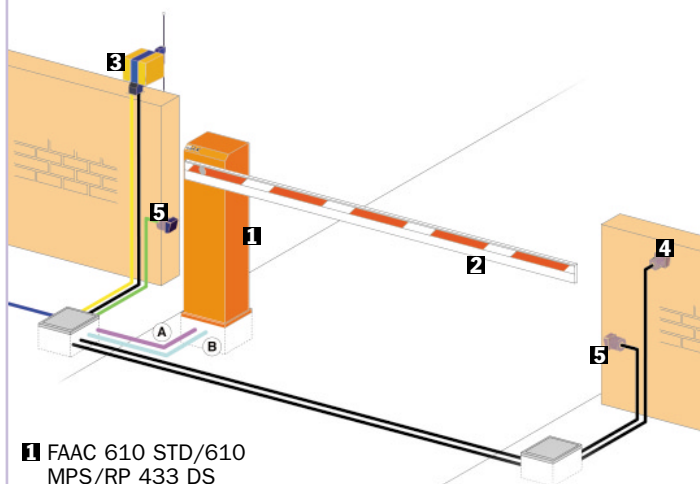
The compartment is designed to house both the 610 MPS electronic equipment, specifically designed for this barrier, and other electronic equipment in the FAAC range. The FAAC 610 barrier is designed to accommodate use of optional items such as the limit-switch kit, Gatecoder kit and anti-vandal valve.

SPECIFICATIONS

Automatic barrier for beams up to 4m • 40% use frequency (Rapid Version)/50% (Standard Version) • Opening/closing time 3 s. (Rapid Version)/6 s. (Standard Version) • Activation system comprising hydraulic pump unit, double-acting piston, equaliser and transmission shaft • Balancing by extended spring • Internal stops adjustable for open or closed beam positions • Load bearing housing in steel protected by cataphoresis treatment and polyester powder paint RAL 2004 • Release device accessible from the outside by triangular key • Hydraulic pump unit with hydraulic locking in open and closed position • Electric motor power supply 230V (+6% -10%) - 50(60) Hz • Electric motor power 220 W • Thermal protection at 120°C built into motor winding • Operating ambient temperature: -20°C +55°C • Single-phase motor with two rotation directions • Hydraulic gerotor pump (very low-noise) • Pump flow-rate 3,0 l/m (Rapid Version)/1,5 l/m (Standard Version) • Torque from 0 to 300 Nm (Rapid Version)/from 0 to 400 Nm (Standard Version) • Die-cast distribution flange • Separate adjustment of opening and closing power by by-pass valve • Anti-crushing safety to UNI 8612 standard • Tank in anodised aluminium • Mineral hydraulic oil with additives • Designed to accommodate rectangular beams, and rectangular beams with skirt

610 MPS ELECTRONIC CARD

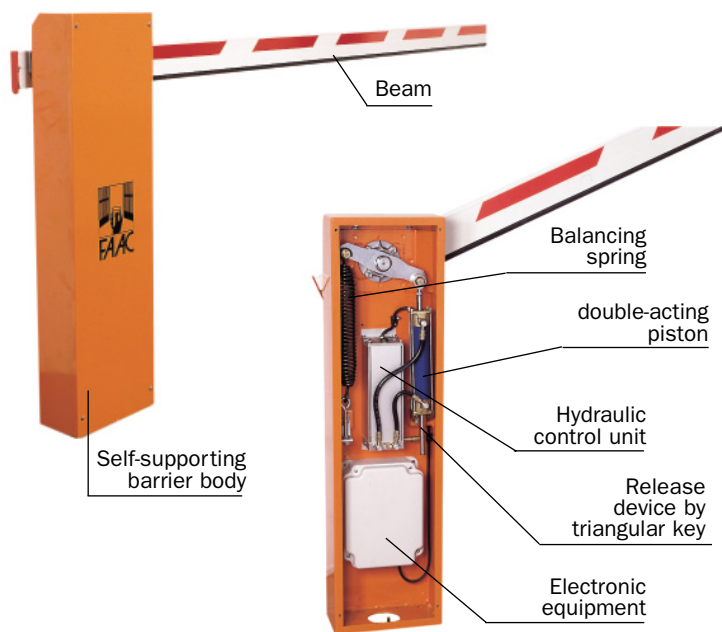
Power supply 230 V (+6% -10%) - 50(60) Hz • Absorbed power: 10 W • Motors maximum load 800 W • 24 Vdc - 250 mA max. output for accessories • Operating ambient temperature -20°C +55°C • Microprocessor control • SMT technology • Mains filter • Two protection fuses (transformer primary winding - accessories) • Connector for decoding cards /card receiver • Separate high and low voltage terminal boards • Programming Dip Switches • Programmable functions: Fail safe on photocell/Two logics for safety devices/Automatic (A) and semi-automatic (E) operation logics/Opening/closing times/Pause times • Inputs: closing safety device, stop push-button, opening push-button, opening/closing limit-switch • Outputs: power supply for accessories, motors and flashing lamp


INSTALLATION DIAGRAM SPECIMEN


- 1** FAAC 610 STD/610 MPS/RP 433 DS
- 2** Beam
- 3** FAAC MINILAMP
- 4** FAAC T10
- 5** FAAC FOTOSWITCH

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

N.B.: Cable diameters in mm²



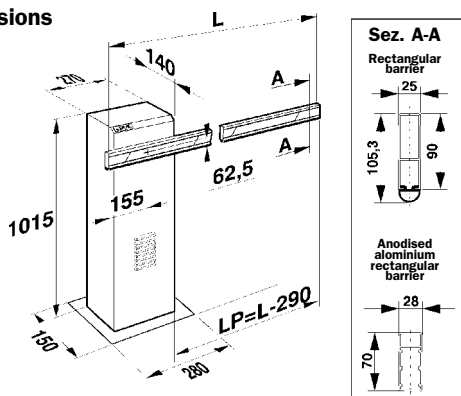
Model	Use		
	Beam max. length (m)	Opening time (s)	Use frequency (%)
610 RAPID	2,50	3	40
610 STANDARD	4,00	6	50

Technical characteristics of 610 MPS control board

Power supply	230 V (+6% -10%) -50 (60) Hz
Motor maximum load	800W
Accessories output	24 Vdc 250 mA max
Operating ambient temperature	-20°C + 55°C
Two protection fuses	5 A transformer primary winding - 500 mA accessories
Protection class	IP 55

- **SMT technology**
- **Programmable functions** - Two function logics: automatic and semi-automatic, Pause times, Fail safe
- **LEDs for: inputs, alarm and limit-switches**
- **Terminal board outputs** - Flashing Lamp
- **Terminal board inputs**
 - Open, stop, closing safety devices, limit-switch
- **Rapid connectors for:**
 - Decoding cards/card receivers

N.B.: The barrier 610 can be controlled also by 410 MPS, 450 MPS and 460 P boards, thus enabling the timed electronic deceleration (See page 89)

Dimensions


Values in mm

Technical characteristics	610 STD	610 RAP.
Power supply	230 V~ (+6% -10%) 50 (60) Hz	
Electric motor	single-phase, bi-directional	
Absorbed power	220W	
Absorbed current	1A	
Motor rotation speed	1.400 rpm	2.800 rpm
Pump flow rate	1,5 l/min	3 l/min
Thermal protection on motor winding	120°C	
Effective torque	0÷400 Nm	0÷300 Nm
Operating ambient temperature	-20°C +55°C	
Weight	34 kg	
Type of oil	FAAC oil XD 220	
Barrier body treatment	Cataphoresis	
Paint	Polyester RAL 2004	
Protection class	IP 44	
Max. consecutive cycles (at 20°)	standard - standard with skirt	
Type of rectangular beam	- standard articulated - anodised aluminium	standard - in anodised aluminium