

550

for counterbalanced up-and-over doors
for residential use



■ Ideal for domestic use garages

The FAAC 550 electro-mechanical automated system moves counterbalanced up-and-over doors of up to 3 metres in width. As it makes use of 2 operators - Master and Slave - it can be fitted also on doors of up to 4 metres in width.

■ Highly reliable and extremely solid

Reliability is assured by a gearmotor, control board, and enbloc-integrated timed courtesy lamp in a protective housing. A sturdy securing longitudinal member (optional) increases the solidity of the frame and its bending and forcing resistance.

■ Total safety

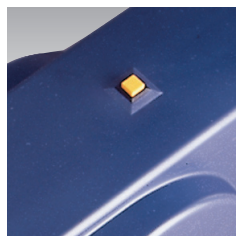
Anti-crushing protection is ensured by an electronic device directly controlling drive torque - the device can be cut-out at initial thrust. The FAAC 550 reversible system integrates a, from-the-inside, release facility and offers an optional external release by customised key.

■ Limit-switches for higher frequencies

The entire 550 range is designed for optional installation of opening and closing limit-switches, to allow for greater use frequency.



■ Ceiling light



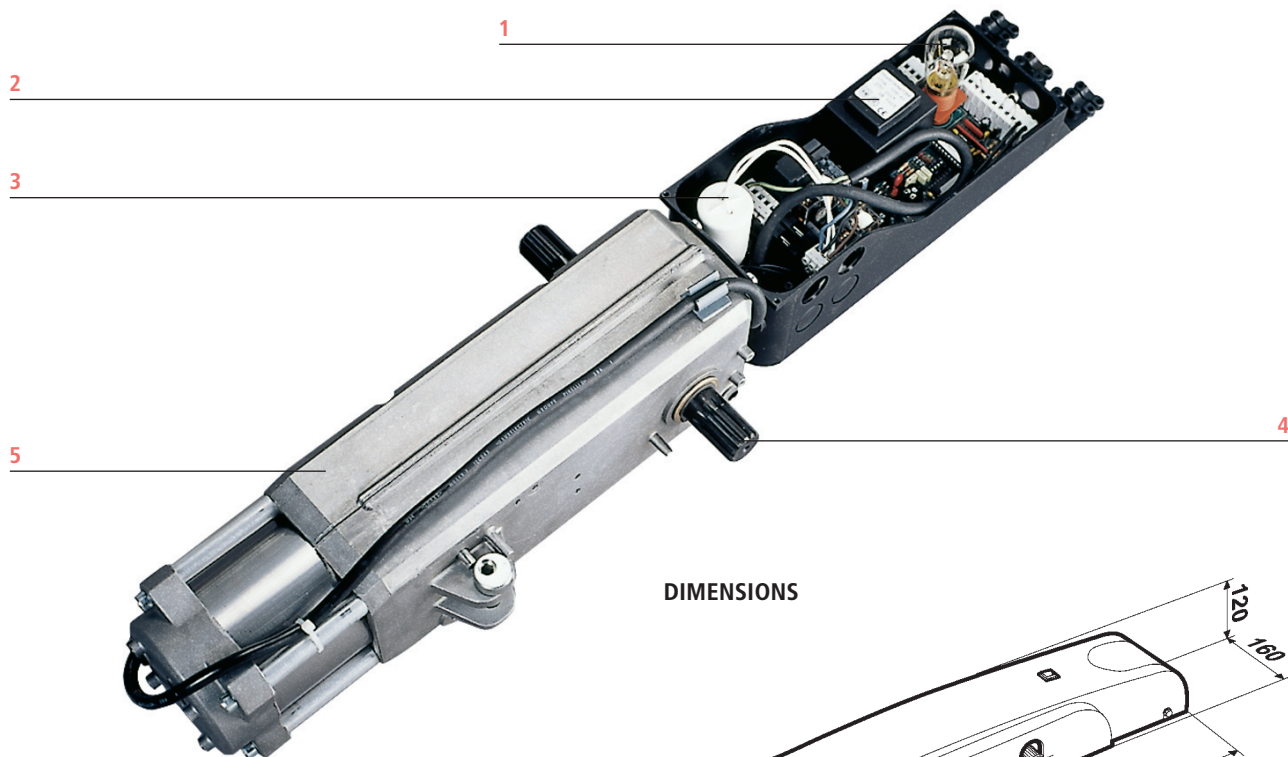
■ Opening/closing push-button



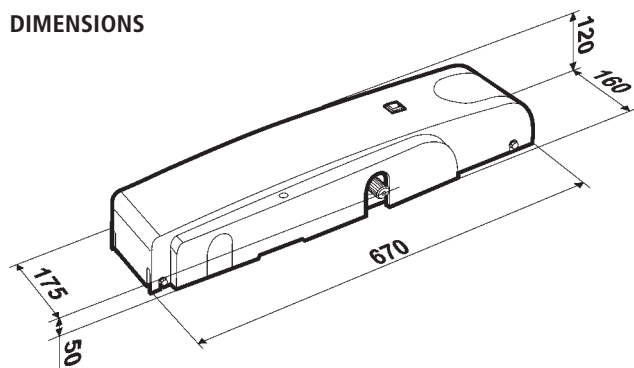
■ Housing



- 1 Courtesy lamp
- 2 Control board
- 3 Initial thrust capacitor
- 4 Transmission shaft (designed for the limit-switch kit - optional)
- 5 Electro-mechanical operator



DIMENSIONS



Values in mm

Specifications of 550 D control board

Power supply	230 Vac - 50 Hz
Max absorbed power	12 VA
Max motor load	800 W
Power supply for accessories	24 Vdc
Max accessories load	300 mA
Operating ambient temperature	-20°C ÷ +55°C
Protection fuses	net/accessories circuit
Max load of built-in courtesy light	25 W
Max load of external courtesy light	250 W

Connector for decoding cards or RP plug-in receivers

Removable terminal boards

Terminal board inputs

- Open/stop/safety device closing/opening/limit-switch closing-opening

Terminal board outputs

- Motor, power supply for accessories 24Vdc, flashing lamp 230 Vac

- 60W, external courtesy light 230VAC

Programming by display (3 buttons)

Inputs status signaling via display

2 programming levels

- 1st level: operation logics automatic/semiautomatic, work time,

pause times, anti-crushing safety (8 levels)

- 2nd level: timing courtesy lamp, max torque at initial thrust - fail safe, pre-flashing - travel-limit deceleration

Built-in in 550 I operator

Possibility of installation in enclosures Mod. E - L - LM

Technical specifications	550	550 L
Power supply	230 Vac (+6% -10%) 50 (60) Hz	
Electric motor	Single-phase, bi-directional	
Absorbed power	350 W	280 W
Absorbed current	1,5 A	1,2 A
Rated torque	0÷300 Nm	0÷250 Nm
Angular velocity	12°/s	8°/s
Motor rotation speed	1400 rpm	900 rpm
Thermal protection on motor winding	140°C	
Capacitor	10 μ	8 μ
90° Door opening time	15 s	22 s
Operating ambient temperature	-20°C ÷ +55°C	
Weight	7,5 kg	
Protection class	IP 31 (for internal use only)	

Model	Use			
	Door max dimensions W x H (m)	Door max weight (kg/sqm)	Use frequency (cycles/hour)	Control board
550	3,00 x 2,70	10	15-25 (*)	550D built-in
550 SLAVE	4,00 x 3,00 (**)	10	15-25 (*)	/
550 L	3,00 x 2,70	10	15-25 (*)	550D built-in
550 SLAVE L	4,00 x 3,00 (**)	10	15-25 (*)	/

(*) A frequency of 25 cycles/hours can be obtained by installing the limit-switch kit.

(**) For up-and-over doors in the width range of 3.00 to 4.00 metres (height 3.00 m), use a 550 I operator and a 550 SLAVE. In this case, the 550 D control board built into the 550 I also controls the 550 SLAVE.