

550

electro-mechanical operator **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

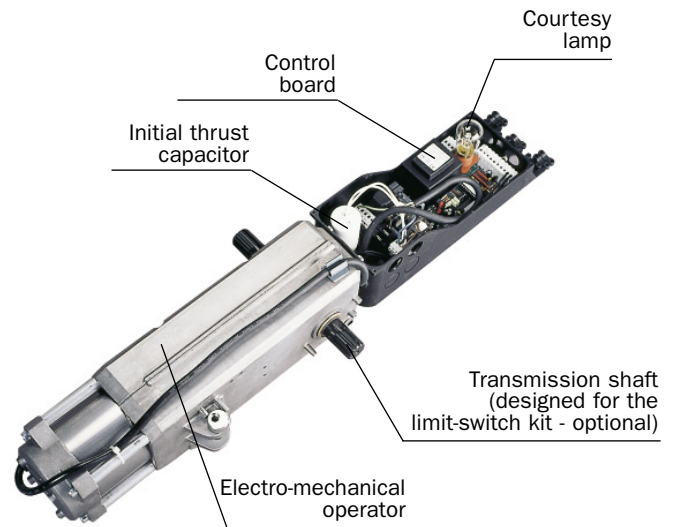
Anti-crushing protection is ensured by an electronic device directly controlling drive torque - the device can be cut-out at initial thrust. The FAAC 550 reversible system integrates a, from-the-inside, release facility and offers an optional external release by customised key.

LIMIT-SWITCHES FOR HIGHER FREQUENCIES

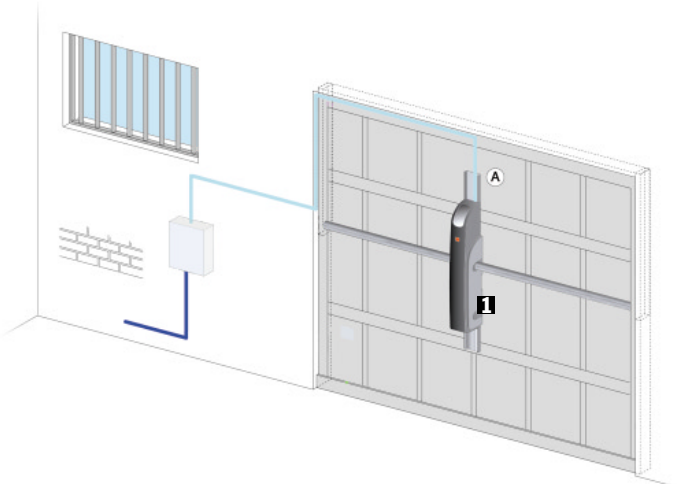
The entire 550 range is designed for optional installation of opening and closing limit-switches, to allow for greater use frequency.

SPECIFICATIONS

Electro-mechanical automated system for counterbalanced up-and-over doors • Door max. width 3 m • Door max height 2.7 m • Door max weight 10 Kg/sqm • Installation on door panel by securing longitudinal member (optional) • Application with transmission tubes and straight or curved telescopic arms • Max torque 300 Nm • Angular velocity 12°/s • Max use frequency 15 cycles/hour - 25 cycles/hour with limit-switch (optional) • Main components of the automated system: non-reversing gearmotor, electronic card and courtesy lamp integrated in an enbloc • Protective ABS housing with integrated OPEN push-button • Manual internal release device • Customised key-operated external release devices or for application to existing handle (optional) • Power supply 230 Vac 50 (60) Hz • Max absorbed power 360 W • Operating ambient temperature -20°C +55°C • Protection class IP 31 (IP 40 with optional Kit) • Dimensions (L x W x H) 160 x 670 x 120 (mm) • Microprocessor control led unit • Protection fuses (net/accessories circuit) • Two 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 • Removable terminal boards • Terminal board outputs: motor, power supply for accessories 24 Vdc, flashing lamp 230 VAC-60W, external courtesy light 230 VAC • Terminal board inputs: open, stop, safety device closing/opening/limit-switchclosing-opening • Connector for decoding cards or RP plug-in receivers • Programming by display (3 buttons) • Inputs status signaling via display



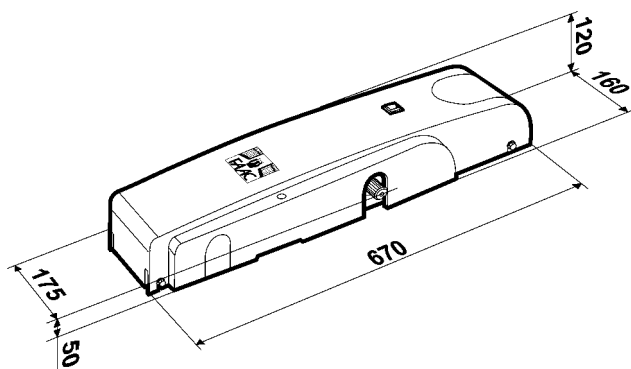
INSTALLATION DIAGRAM SPECIMEN



I FAAC 550 I/RP 433 DS

Power cabling (230V)	
A	1 cable 2x1.5+T
N.B: Cable diameters in mm ²	

Dimensions



Values in mm

Model	Use		
	Door max dimensions W x H (m)	Door max weight (kg/sqm)	Use frequency (cycles/hour)
550 I	3,00 x 2,70	10	15-25 (*)
550 SLAVE	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.

Technical specifications	550
Power supply	230 V ~ (+6% -10%) 50 (60) Hz
Electric motor	single-phase, bi-directional
Absorbed power	360 W
Absorbed current	1,5 A
Rated torque	0÷300 Nm
Angular velocity	12°/s
Motor rotation speed	1.400 rpm
Thermal protection on motor winding	140°C
Operating ambient temperature	-20°C +55°C
Weight	7,5 kg
Protection class	IP 31 (for internal use only)

Specifications of 550 D control board	
Power supply	230VAC - 50 Hz
Max absorbed power	12VA
Max motor load	800W
Power supply for accessories	24Vdc
Max accessories load	300mA
Operating ambient temperature	-20°C +55°C
Protection fuses	net/accessories circuit
Max load of built-in courtesy light	25W
Max load of external courtesy light	250W

- 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 230VAC
 - 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 550 I operator
- Possibility of installation in enclosures Mod. E - L - LM