

565R - 570R - 575R

ceiling operators for spring up-and-over doors and sectional doors



VERSATILITY

Operator 565R, 570R and 575R can be used for spring and sectional doors, and by using an adapter, for counterbalanced up-and-over doors. The existing structure does not require any modification to install the automated system.

QUICK AND EASY TO INSTALL

The automated system is easy to install as it is fitted to the ceiling. A simple Set Up operation ensures automatic memory storage of stroke limit positions and deceleration spaces. At the end of the initialising cycle, the automated system operates correctly without further adjustments.

MAXIMUM SAFETY

The electronic anti-crushing device adjusts itself automatically at Set Up. The operator keeps the tripping threshold constantly at minimum level, and adapts at all times to the differences in force required to move the door. The device stops the door movement as it opens and reverses it at closing.

ELECTRONIC SPEED CONTROL

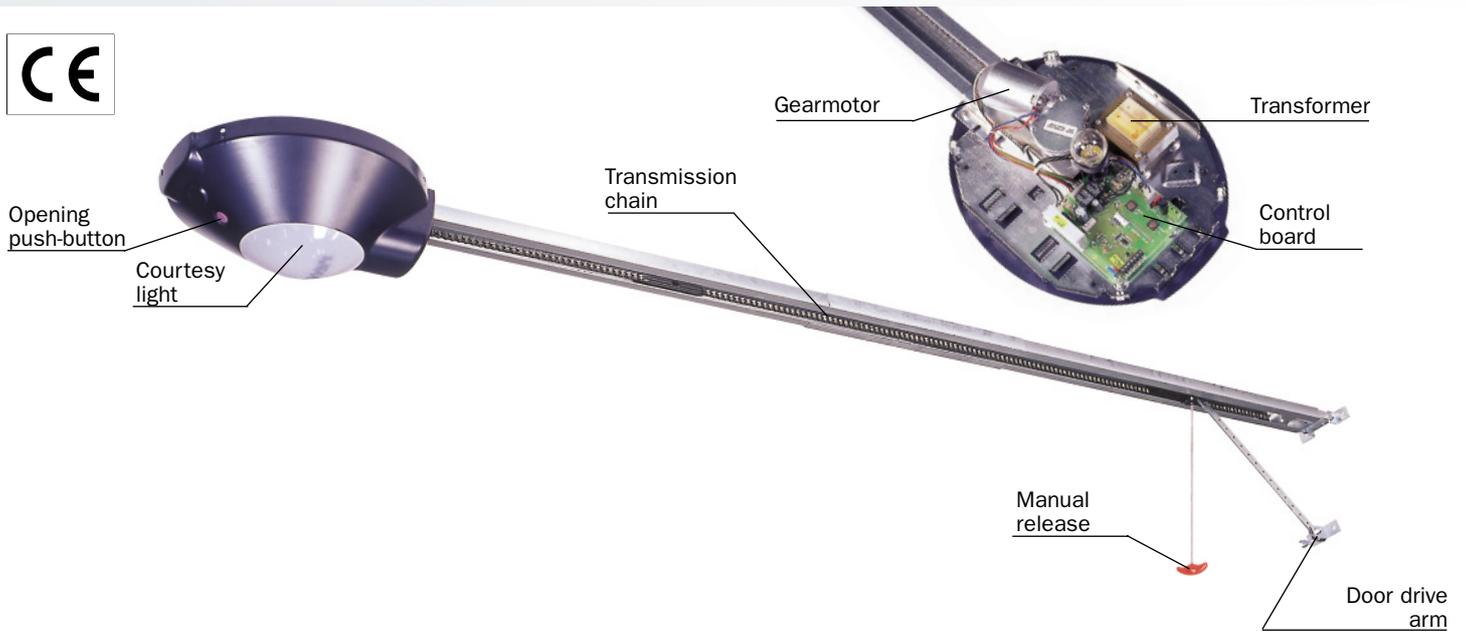
To protect the door against mechanical stress as the movement begins, an electronic control gradually increases the speed of the operator (Soft Start). Deceleration, both at opening end phase and closing (Soft Stop), prevents the door reaching the mechanical stops in a damaging, noisy way.

ANTI-BREAK-IN NON-REVERSING FACILITY

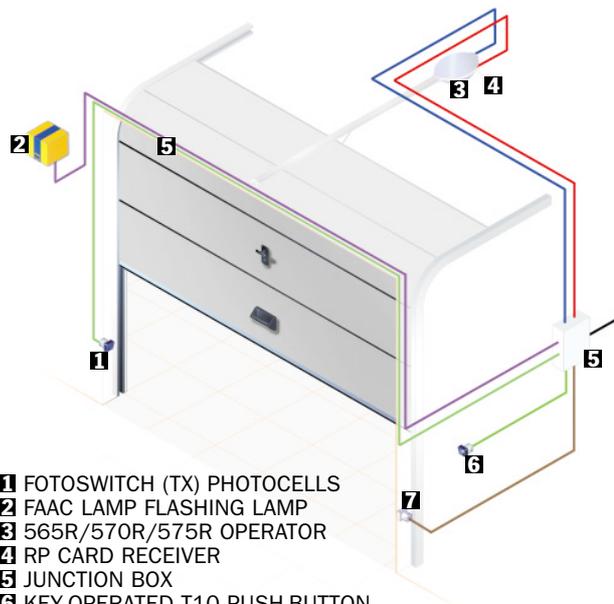
Break-in protection is guaranteed by the non-reversing gearmotor, which thus does avoid installation of electrical locks or bolts. If a power cut occurs, a patented "bi-stable device", activated from the inside, facilitates manual operation and prevents spontaneous, unwanted, restoring of the automated system. By using appropriate accessories, you can release the device from the outside either with a customised key or by using the door handle.

SPECIFICATIONS

Automated system for spring up-and-over doors and sectional doors • Application for counterbalanced up-and-over doors with adapter • Door max width 3 m (spring/counterbalanced doors) 5 m (sectional doors) • Models suitable for max door height of 2.15 m and 2.6 m • Models with effective stroke 1900 mm, 2500 mm and 3100 mm • Ceiling installation • Minimum clearance from ceiling 35 mm • Max pull/thrust force 1200N (120kg) • Load free pulling speed 7.2 m/min • Max use frequency 20 cycles/hour (at max load of 56 Kg) • 6 max consecutive cycles • Main components of the automated system: guide beam, chain transmission, housing containing 24 Vdc gearmotor, power transformer, control board and courtesy lamp • Protective housing in PC+ABS with built-in OPEN push-button and designed to install receiver antenna • "Bistable" release device (locked statuses/voluntary release and reset) cable activated • Customised key-operated external release devices or for application to existing handle (optional) • Initialisation of automatic or manual operation (Set Up) – automatic Set Up: recognition of opening and closing stroke limit positions and memory storage of deceleration spaces – manual Set Up: customising – by OPEN pulses – of deceleration and stroke limit positions • Automatically adjusted anti-crushing device with intervention minimum threshold maintained for entire door movement (Set Up) • Anti-crushing device tripping: stops the door movement at opening and reverses it at closing • Selection of anti-crushing sensitivity: 150N – 300N • Two settable pull/thrust levels: 800N - 1200N • Soft Start: door movement started gradually • Automatic and semi-automatic function logics • Outputs: 24 Vdc power supply for accessories/flushing lamp • Inputs: open/stop/closing safety devices • Fail safe for safety devices (can be disabled) • Three protection fuses (motor/accessories/lamp-power supply) • Internal connector for card receiver or decoding cards • Courtesy lamp 40 W at 230Vac time at 2 minutes • Designed to install emergency batteries (optional) • Protection class IP20 • Power supply 230 Vac 50 (60) Hz • Max absorbed power 350 W • Operating ambient temperature -20°C +55°C



INSTALLATION DIAGRAM SPECIMEN



- 1** FOTOSWITCH (TX) PHOTOCELLS
- 2** FAAC LAMP FLASHING LAMP
- 3** 565R/570R/575R OPERATOR
- 4** RP CARD RECEIVER
- 5** JUNCTION BOX
- 6** KEY-OPERATED T10 PUSH-BUTTON
- 7** FOTOSWITCH (RX) PHOTOCELLS

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

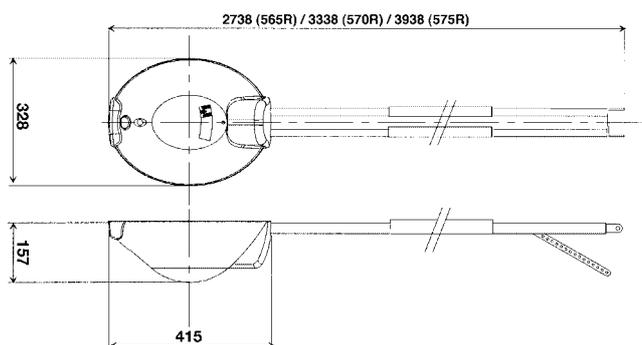
N.B: Cable diameters in mm²

Model	Use		
	Door type	Door max dimensions WxH (m)	Use frequency (cycles/hour)
565R	spring/counterbalanced doors	3,00 x 2,15 (*)	20
	sectional doors	5,00 x 1,9 (*)	
570R	spring/counterbalanced doors	3,00 x 2,60 (*)	20
	sectional doors	5,00 x 2,50 (*)	
575R	spring/counterbalanced doors	3,00 x 3,20 (*)	20
	sectional doors	5,00 x 3,10 (*)	

(*) The maximum height depends on door geometry. The indicated values refer to traditional configurations.

Technical specifications	565R	570R	575R
Power supply	230Vac 50 (60) Hz		
Electric motor	24Vdc		
Absorbed power	350 W		
Maximum cycles per hour	20 (on 56 Kg load)		
Max consecutive cycles	6		
Minimum clearance from ceiling	35 mm		
Max pull/thrust force	1200N (~120 kg)		
Protection class	IP20		
Courtesy lamp	230Vac 40W		
Courtesy lamp timer	2 minutes		
Carriage speed	7,2 m/min		
Carriage max stroke	1.900 mm	2.500 mm	3.100 mm
Operating ambient temperature	-20°C + 55°C		

Dimensions



Values in mm

Specifications of control board

Power supply	230 Vac 50 (60) Hz
Power supply for accessories	24 Vdc
Accessories max load	200 mA

- **Protection fuses**
- transformer/motor/accessories
- **Terminal board connections**
- open, stop, safety devices, fail safe, flashing lamp
- **Rapid connector**
- for RP card receivers/decoding cards
- **Fail Safe**
- Yes (can be disabled)
- **Functions**
- soft-start, soft-stop, automatic or manual Set Up (*)
- **Anti-crushing electronic device**
- sensitivity 800N - 1200N
- **Function logics**
- automatic and semi-automatic

(*) The Set Up operation enables initialisation of the automated system, including memory storage of stroke limit positions and adjustment of anti-crushing, soft-start and soft-stop functions.