



Electrical Data		
Nominal voltage	230	V
Nominal frequency	50	Hz
Current input	1	A
Power consumption operation	0,25	KW
Power consumption stand-by	< 4	W
Duty cycle	KB 5	min.
Control voltage	24	V DC
Protection category	Motor unit	IP 20
	Control unit	IP 65
Protection class	I	

Mechanical Data		
Push and pull force	1000	N
Door travel speed	140	mm/sec.
Opening time (door specific) approx.	18	sec.

General Data			
Measurements	Motor unit	214 x 145 x 395	mm
	Control unit	195 x 125 x 450	mm
Weight		7,9	kg
Range of temperatur		-20 to +60	°C
Certification base	EN 12453	EN 60335-2-95	
	EN 292-1	EN 12445	
	EN 50081-1	EN 61000-3-2	
	EN 50082-1	EN 61000-3-3	
	EN 55014	ETS 300220	
EN 60335-1	ZH494	April 89	
	VDE	0700-238	

Supply Package	
Motor unit Comfort 257	precabled
Separate control unit Control 53	
Universal installation kit for up-and-over doors and sectional doors	

Features/Safety Functions	
Reference point technique	X
Soft start /soft stop	X
Push-open security device	X
Automatic cut-out	X
Anti-blocking device	X
Excess travel stop	X
Automatic timer function	X
Electronic travel cut-out	X
Economy mode	X
Release from inside	X
Signal light connection	X
Connection for push button, code button and key switches	X
Connection possibility for actuation of garage door lighting	X
Connection for potential-free limit switch information	X
Error message	X

Additional functions	
❗ Reset function	X
❗ Door travel speed can be programmed	X
❗ Part opening can be programmed	X
❗ Soft run in 'CLOSE' direction can be programmed	X

Accessories	
Multibit remote control	X
Separate module aerial, 868 MHz, IP 65	X
Signal light	X
Closing edge safety device	X
Photocell	X
Release kits	X
Door connector attachment for large and heavy sectional doors	X
Extension module oncoming traffic control	X
Transponder systems	X
Key switches (pre-assembled)	X
Code keypads (pre-assembled with cables or RC)	X
Interior push button (pre-assembled with cables or RC)	X

SZ Toothed drive belt			
Operator boom	Boom length	Length of travel	Total length
SZ 11	2960 mm	2400 mm	3180 mm
SZ 12	3180 mm	2620 mm	3400 mm
SZ 13	4090 mm	3530 mm	4310 mm

SK Roller chain			
Operator boom	Boom length	Length of travel	Total length
SK 11	2960 mm	2400 mm	3180 mm
SK 12	3180 mm	2620 mm	3400 mm
SK 13	4090 mm	3530 mm	4310 mm



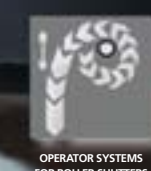
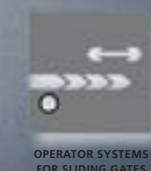
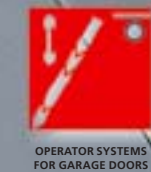
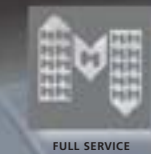
Marantec Antriebs- und Steuerungstechnik GmbH & Co. KG
Remser Brook 11 · 33428 Marienfeld · Germany
Tel. +49 52 47 7 05-0 · Fax +49 52 47 7 05-284

Marantec
Door operators ► automatically the best choice

www.marantec.com

Comfort 257

Operator System for sub-terrain garages and collective garages



Intelligent and safe combination of strength and staying power

Printed on chlorine free bleached 2-GB443-TV-2-0205

Marantec
Door operators ► automatically the best choice

The Idea

A perfect, flexible operator system for doors in sub-terrain garages and collective garages for up to 50 parking lots.

A perfect, flexible operator system for doors in sub-terrain garages and collective garages has to combine a lot of qualities. It needs a powerful, quiet motor and drive unit. And a control unit, which can be adapted to the individual user's needs and which can be extended for future requirements.

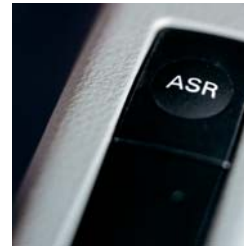
Completed by an extensive accessory range for special on-site requirements and supported by a service network of competent specialist dealers.

Comfort 257 operator system combines all the required qualities at highest level.



Comfort 257

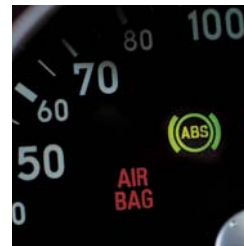
Start softly!



A very comfortable feature of the Comfort operator systems is their ability not to develop their full power completely at once, but to start the door travel softly and to stop softly, to. For both travel directions.

This is comparable to the traction control ASR in cars, which also develops only the necessary power to get the optimum drive. Soft start and soft stop function guarantee an incredibly quiet door travel. Day and night.

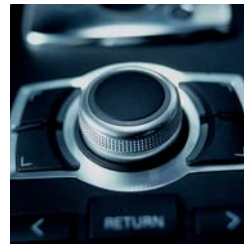
Anti-lock braking system in a door operator?



A door does not make an emergency stop, or does it? The patented automatic cut-out of the Comfort operator systems reacts immediately on the smallest obstacles, which might disturb the door travel. And the door is reversed

immediately by approx. 20 cm. Similar to the anti-lock braking system ABS it helps to handle critical situations in an optimal way. With permanent control. Always.

Everything under control!



The menu-guided step-by-step programming makes the initial operation of all Comfort operator systems uncomplicated and simple. Comparable to the latest communication electronic Multi-Media-Interface MMI in trendsetting automobiles the user takes advantage of the most simple operating logic by means of a central operating unit. This gives the right overview. Again and again.

Perfect orientation in every door travel phase!



Just as the navigation system GPS supports the orientation in traffic and determines the position and direction, the Marantec control always knows exactly, how and in which direction the door moves. The electronic Marantec reference point technique monitors permanently the door travel.

Every time. Exactly to the millimetre. The door is not over-strained. Wear is minimized. Service life is increased.

Safe and sturdy in every situation!



Even if the door is closed. This is important, if an unauthorized person would like to enter, for example using force. Then the permanent electronically monitored push-open security device does a good job. Similar to the electronic stabilization program ESP in modern cars, Comfort operator systems offer precise interventions in the motor management.

Highest security. And stability. In every phase.

Control 53 – the omniscient brain of the system!



Large power is of no use without special control. The separate control unit Control 53 is the control centre of operator system Comfort 257. It has permanent contact with the rpm sensor, which is integrated in the drive unit.

Thus Control 53 guarantees the permanent electronic power limitation. In every phase. During operation and in neutral position. Consistently perfect.

Command 312

Key switch in post, protected against vandalism, silver, 'impulse', 'open / close'

Elements for access

- ! Multi-channel remote control, 868 MHz
- Key tag
- Code card
- Key switch
- Code keypad

Command 811

Contactless transponder read-electronics for efficient administration of up to 999 users with code cards or key tags, including one reading module, extendable up to max. five reading modules.

Special 614

Photocell for additional safety in the operating range of the door. It is necessary, if automatic timer function is activated and for doors in public areas!

Control 300

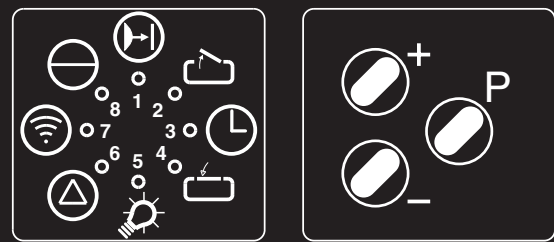
Traffic control/oncoming traffic control: the best solution for one-lane entrance /exit including automatic timer (in connection with operator control unit Control 53), and two signal lights each red and green, protection category IP 65.

Accessories



All advantages at a glance

- incredibly quiet, electronically controlled soft starts and soft stops
- automatic cut-out and self-learning power limitation
- well-known, proven operation concept
- innovative Marantec reference point technique
- push-open security device
- push-open security device



Control elements for programming

Comfort during installation and initial operation, too

Quick and easy installation of the whole operator system. The Marantec plug-in connections help to save time and give safe connection of all components. Operator booms are available in three different lengths. They can be combined with the motor unit without problems and are delivered separately. This minimizes storing. The initial operation is also easy-to-handle: The menu-guided programming, step by step, is built up logically and easy to operate – here you will recognize the familiar components of the existing Marantec product range.

