

# Operator system for **spring balanced sectional doors**



**[E  
O  
S]** EASY  
OPERATING  
SYSTEM



The best operator for any industrial door.  
Operator. Controls. Service.

Marantec   
Torantriebe  automatisch am besten

## Opening and closing doors is just the beginning for us.

As a German manufacturer of innovative door operator and control unit systems it has always been our philosophy to make operators uncompromisingly safe and comfortable. All products are developed solely in our own factories and manufactured on state-of-the-art production lines. They meet verifiably all legal requirements and standards and offer beyond that additional safety and comfort features. We set continuously new international standards with numerous patents and innovative developments.

**The benefits for our customers: You can be assured to possess one of the safest operator systems in the world, which protects your family and your property to the fullest and at the same time comfortable freedom.**

## The best operator for any sectional door or industrial sectional door.

### Dynamic and flexible.

#### Dynamic xs.base | Dynamic xs.plus

Door surface:	max. 45 m <sup>2</sup>   max. 55 m <sup>2</sup>
Door weight:	max. 550 kg   max. 700 kg
Drive torque:	max. 110 Nm   max. 140 Nm
Nominal speed:	16 – 30 min <sup>-1</sup>
Travelling speed:	max. 240 mm/sec. (OPEN/CLOSE)
Controls:	Control x.base   Control x.plus



### With Soft-Start and Soft-Stop.

#### Dynamic xs.plus FU

Door surface:	max. 55 m <sup>2</sup>
Door weight:	max. 700 kg
Drive torque:	max. 150 Nm
Nominal speed:	6 – 63 min <sup>-1</sup>
Travelling speed:	max. 700 mm/sec. (OPEN) *
Controls:	Control x.plus



\* dependent on door size and fitting/ cable drum

Dynamic xs. is more than just a powerful geared motor with ultra-modern control technology. It is a comprehensive drive concept that is unique in the sum of its parts. Easy to configure. Flexible expansion options. Simple to install. Quick to commission. Professional servicing.

**Safety and comfort through technology.**

Dynamic xs.base. **The basic operator with integrated controls.**

Dynamic xs.plus. **The comfort operator with an external control unit.**

Dynamic xs.plus FU. **The high speed operator with frequency converter technology.**

Dynamic xs.plus SG. **The rail guided industrial operator.**

Dynamic xs.uni. **The universal operator for all controls.**



#### Dynamic xs.plus SG

For low lintel fittings.

Door surface:	max. 20 m <sup>2</sup>
Door weight:	max. 250 kg
Drive torque:	max. 37 Nm
Nominal speed:	48 min <sup>-1</sup>
Travelling speed:	max. 170 mm/sec. (OPEN/CLOSE)
Controls:	Control x.plus



#### Dynamic xs.uni

For the modernisation of door systems.

Door surface:	max. 55 m <sup>2</sup>
Door weight:	max. 700 kg
Drive torque:	max. 140 Nm
Nominal speed:	19 – 24 min <sup>-1</sup>
Travelling speed:	max. 175 mm/ssec. (OPEN/CLOSE)
Controls:	for old Marantec controls with reference point or limit switch technology or control units from different manufacturers with a mechanical travel cut out

## Security creates trust.



### Marantec Bus-System

Permanent, dynamic control of all safety devices.  
For fast reaction and therefore fast door travel times and at the same time reduction of heat energy consumption.

### 24 V low voltage

Safe putting into operation with simple cabling and at the same time less required space in control unit housing.



### Automatic detection

No more complicated programming of safety systems and extension modules; plug & play.



EN 13241-1

### Proven safety (Made in Germany)

It goes without saying that the Dynamic xs. meets the European standards and has TÜV type-test certificates for all common industrial doors.

## Mechanics are the basis and the methodology.

### Exchangeable shaft adapter sleeves for different spring shafts.

Compatible with all common sectional doors. Reduces the number of operators and thus also the costs for purchasing and storage.

### Axis offset 63 mm

This increases the durability of the gear mechanism permanently and prolongs the service life. It also increases the breaking load.

### Power-decoupled release

Releases the operator from the door up to a load of 80 Nm on the drive shaft (Dynamic xs.plus). Enables safe operation in case of emergency.



One control unit for all  
Dynamic xs.plus operators

## All product advantages at a glance.

### Comfort is active support.

#### Multi-reference point technology

All settings are programmed completely via the control unit.  
No more resetting the door positions, e.g. after power failure.



#### EOS (Easy Operating System)

A programming structure that is worldwide the first and only standardised structure for all Marantec operator systems. Quick programming in three steps for quick putting into operation.



#### MDS (Marantec Diagnostic System)

For PDAs and PCs for extensive diagnostics and long-term logging of operator data.  
. Using a modern Bluetooth interface, electronic devices can communicate via radio.  
. The Marantec software can be installed on a mobile phone (Win-Mobile) and on a PC or laptop.

#### Design in modules

Simple and customised module extensions for high flexibility.

## Operator controls Control x.plus and Control x.base.

#### Base control unit Control x.base

Non-expandable dead man's control with mechanical setting of the end position.

#### Comfortable control unit Control x.plus

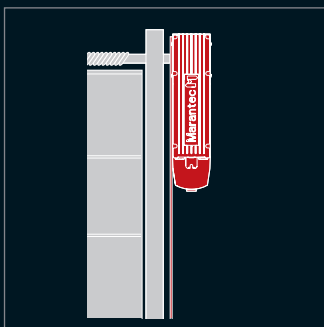
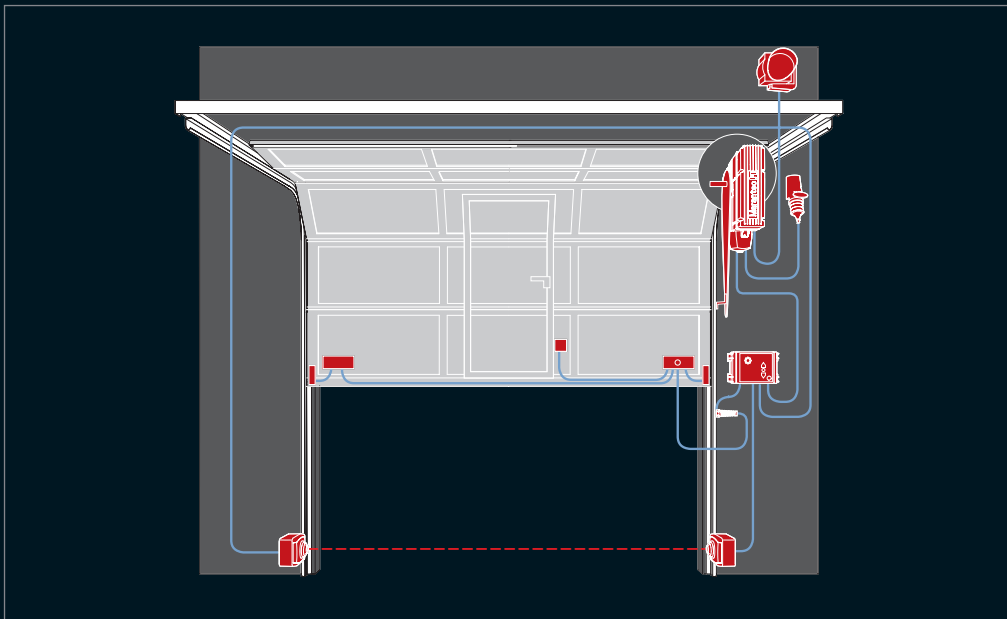
External dead man's control, expandable to include press-and-release-mode.

Expansion possibilities:	· Remote control unit	· Photocell
	· Closing edge safety device	· In-/Output module
	optosensor or	· Traffic control
	electrical switching strip	

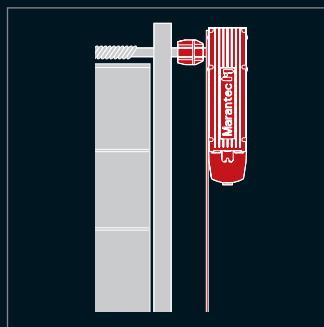
## The ideal system. For each and every requirement and application.

Dynamic xs. systems can be used for all types of installation: direct attachment or flange mounting, spindle chain drive, or open roller chain. Rail guided assembly for doors with low lintels.

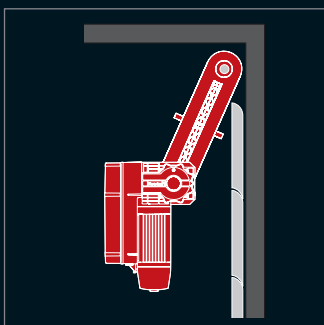
## For all mounting options.



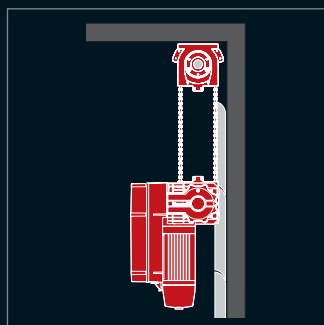
Direct attachment



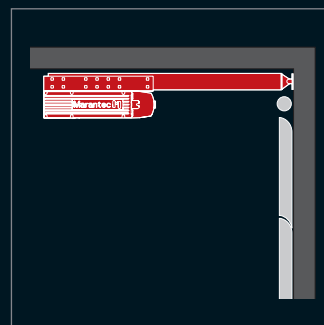
Flange mounting



Assembly with  
spindle chain drive



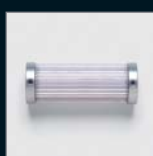
Open roller chain assembly



Rail guided assembly  
in case of low lintel fittings

## Accessory range. Fulfils individual desires and requirements.

Dynamic xs. is a forward-looking modular system, in which the comprehensive accessory range can be adapted flexibly at any time - customised and simple.



### Variable shaft adapters

Ensure the compatibility of the push-on assembly with all common types of sectional doors.



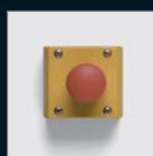
### Command 613

Membrane keypad for the functions OPEN/STOP/CLOSE.



### Drive shaft Dx 25,4 with adapter for spring shaft

Fixing to spring shaft (flange mounting). Different shaft adapter sleeves for use on various spring shafts.



### Command 620

Stops the operator in case of emergency.



### Axle chain drive, long

Axis offset 660 mm, for mounting to sectional doors where there is insufficient space at the side.



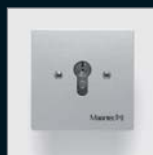
### Command 701

Ceiling pull switch with pull cord, for impulse door OPEN/CLOSE.



### Special 802, 803, 804 x.plus \*

Connection units for door leaf stop circuit for cable slack sensor, button for door locking, wicket door contacts and optosensors.



### Command 311

Flush-mounted key switch with aluminium surround to switch the operator with a key. Also available as surface-mounted version.



### Special 805 x.plus \*

Complete closing edge safety device  
Optosensor for heavy duty, e.g. for use in car wash plant.



### Command 222 \*\*

Radio code keypad with a 4-digit PIN code. Transmits an impulse for door OPEN or CLOSE. Additional channels can be used for a further PIN code and external lighting.



### Wicket door contact

Stops the operator if the wicket door is open. Mounted on the door leaf.



### Digital hand transmitters \*

1-, 2-, 3- and 4-channel radio transmitters, work on the base of Marantec-Multi-Bit, Homelink compatible, radio frequencies 868 and 433 MHz.



### Special 613-2, 614-2 \*

Photocell for additional safety. Materials are UV resistant and resistant to humidity (IP 65).



### Digital 180, 185 \*

Radio transceiver modules that receive and evaluate hand transmitter signals, frequency 868 and 433 MHz.

\* not for Dynamic xs.base and Dynamic xs.uni

\*\* in case of Dynamic xs.uni dependent on the controls

Operator systems for garage doors

Operator systems for hinged gates

Operator systems for sliding gates

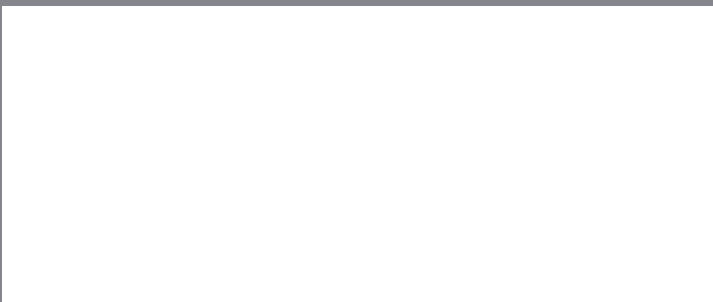
Operator systems for roller shutters and awnings

Operator systems for industrial doors

Operator systems for park barriers

Accessories

Product Service



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