

# Comfort 280



## Article

Item no.	Description
196003	<b>Comfort 280</b> Set for garage doors up to 200 kg: 24 V-DC motor, 1.000 N, 16 cm/s

## Scope of delivery

- Motor unit with integrated control
- Digital 921 Module receiver, 868 MHz bi.linked
- Digital 572 Micro hand transmitter 2-channel, 868 MHz bi.linked
- Universal installation set for up-and-over and sectional doors
- Mains cable with Euro plug type C, 1,500 mm

## Features

### Comfort 280

#### Features

- Compact operator, the length of which can be reduced by 143 mm when rotated 90°
- DC motor: soft start and stop are gentle on the door, separately adjustable opening and closing speeds enable fast opening and standard-compliant closing
- Integrated control with illuminated LC display and easy programming
- Connections for push button, light barrier, wicket door contact, battery backup and expansion boards for retrofitting additional functions

#### Features functions

- Power saving technology blueline

- Soft start/soft stop/soft run
- Electronic anti-deferral device
- Blocking protection
- Runtime limit
- Reversal of direction of rotation programmable
- Backjump (relief of the closing edge)
- Automatic feed function (can only be used in conjunction with a light barrier)
- Intermediate position OPEN and CLOSED separately programmable
- Gate travel speed OPEN and CLOSE separately programmable
- Soft run position OPEN and CLOSE separately programmable
- Soft run speed OPEN and CLOSE separately programmable
- Frame function (blanking of frame light barriers)
- Programmable impulse input and output
- Cycle counter
- Maintenance interval programmable
- Error signaling with error memory
- Multi-level reset function (control, safety, radio, etc.)

### **Features end position adjustment**

- Electronic limit stop

### **Features operation**

- Marantec EOS programming
- Programming and status message via LC display
- Programming and diagnostics possible via optional external handheld programmer
- Programming and diagnostics possible via maveo pro by smartphone app

### **Features structure and connection**

- Connection (conventional) for push button, light barrier and holding circuit
- Pluggable radio receiver
- Connection (MS-Bus) for expansion boards (boards can be integrated)
- Connection (MS bus) for handheld programmer and expansion modules
- Connection for battery backup
- Output 24 V-DC, max. 50 mA

## **Digital 921**

### **Features**

- IMPULSE function
- Generous memory for up to 200 keys
- Directly pluggable into the control system
- Compact size

## Digital 572

### Features

- 2 function keys for free assignment
- Signaling by red LED
- Eyelet for attachment to keychain or lanyard
- High security through 128-bit AES-encrypted radio transmission and constantly changing radio code (rolling code method)

## Use

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### Comfort 280

	Comfort 280
Width overhead doors (max.) [m]	6
Width of tipping and canopy gates (max.) [m]	6
Height of tilt and canopy gates (max.) [m]	2.25
Width of single-wall sectional doors (max.) [m]	6
Width of double-walled sectional doors (max.) [m]	6
Gate weight (max.) [kg]	200

### Digital 921

- For Comfort 260 (accu/speed), 270 (speed), 280, 360, 370, 380 and 390 (plus) from control box R10. For Control x.52, CS 265 and VTA

### Digital 572

- For all Marantec controls and third-party products (in conjunction with corresponding bi.linked receiver)

## Technical data

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### Comfort 280

- Overload protection: Shutdown via current consumption
- Continuous sound pressure level (max.) [dB(A)]: 70
- Connection type: Pluggable
- Illuminant: 8 LED module
- Protection class: IP20
- Protection class: II
- Width overhead doors (max.) [m]: 6
- Width of tipping and canopy gates (max.) [m]: 6
- Width of single-wall sectional doors (max.) [m]: 6
- Width of double-walled sectional doors (max.) [m]: 6

- Height of tilt and canopy gates (max.) [m]: 2.25
- Gate weight (max.) [kg]: 200
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 60
- Temperature (min./max.) [°C]: -20/60
- Temperature (min.) [°F]: -4 °F
- Temperature (max.) [°F]: 140 °F
- Luftfeuchtigkeit (max., nicht kondensierend) [%]: 93
- Push and pull force (max.) [N]: 1,000
- Nominal push and pull force (max.) [N]: 300
- Cycles per hour (max.):\*
- Cycles per day (max.): 48
- Running speed (max.) [cm/s]: 16
- Operating voltage [V]: 230 V/1~
- Operating voltage type: Alternating current
- Nominal frequency [Hz]: 50/60
- Motor voltage [V]: 24 V-DC
- Control voltage [V]: 24 V-DC
- Rated current [A]: 1.1
- Power consumption [VA/W/kW]: 0.25 kW
- Power consumption in standby [VA/W/kW]: 0.1 W
- Time to readiness [min]: 1-5
- Width [mm]: 190
- Height [mm]: 125
- Depth [mm]: 360
- Weight [kg]: 3.8
- Garantie: 5 years

## Digital 921

- Channels: 256
- Number of memory locations: 200
- Antenna: Wire antenna
- Radio frequency: 868 MHz
- Radio technology: bi.linked
- Radio coding: Marantec
- Communication direction: Bidirectional
- Protection class: IP00
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 60
- Temperature (min./max.) [°C]: -20/60
- Temperature (min.) [°F]: -4
- Temperature (max.) [°F]: 140
- Operating voltage [V]: 5 V-DC
- Rated current [A]: 0.002

- Width [mm]: 23
- Height [mm]: 7.7
- Depth [mm]: 48.4
- Packing width: 51
- Packing height: 13
- Packing depth/length: 59
- Packing weight: 0.009
- Freight forwarding articles: No
- GTIN: 4062434001097
- Customs tariff number: 85371091
- Country of origin 1000: Deutschland
- Garantie: 2 years

## Digital 572

- Housing type: Micro
- Number of freely programmable keys: 2
- Channels: 2
- Antenna: Integrated
- Radio frequency: 868 MHz
- Radio technology: bi.linked
- Radio coding: Marantec
- Communication direction: Unidirectional
- Color: RAL 9005 RAL 9016
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 60
- Temperature (min./max.) [°C]: -20/60
- Temperature (min.) [°F]: -4
- Temperature (max.) [°F]: 140
- battery type: CR2032, 3 V
- Battery count: 1
- Width [mm]: 39
- Height [mm]: 60
- Depth [mm]: 12
- Weight [kg]: 0.03
- Packing width: 56
- Packing height: 52
- Packing depth/length: 76
- Packing weight: 0.055
- Freight forwarding articles: No
- GTIN: 4062434000922
- Customs tariff number: 85269200
- Country of origin 1000: Deutschland
- Garantie: 2 years

## Accessories

Item no.	Description
177208	<b>SZ 11</b> Opener rail for garage door openers, 3.08 m profile length, 0.8 mm thickness, toothed belt, 2-piece
177210	<b>SZ 12</b> Opener rail for garage door openers, 3.33 m profile length, 0.8 mm thickness, toothed belt, 2-piece
177212	<b>SZ 13</b> Opener rail for garage door openers, 4.09 m profile length, 0.8 mm thickness, toothed belt, 2-piece
101117	<b>Digital 663</b> 3-channel mini hand transmitter with status request, bidirectional, 868 MHz bi.linked
101115	<b>Digital 572</b> 2-channel micro hand transmitter, unidirectional, 868 MHz bi.linked
101106	<b>Digital 564</b> 4-channel mini hand transmitter, unidirectional, 868 MHz bi.linked
101149	<b>Digital 525</b> 4-channel radio code push button with 3 permanent PINs, one temporary PIN and one light button, unidirectional, 868 MHz bi.linked
161336	<b>Digital 520</b> 2-channel radio indoor push button, unidirectional, 868 MHz bi.linked
189602	<b>maveo connect stick</b> Plug & Play WiFi adapter for garage door, swing door and sliding door openers
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192584	<b>maveo connect stick Basic Bundle</b> maveo connect stick and light barrier Special 630 in a set

## Predecessors

Item no.	Description	Discontinuation
183422	<b>Comfort 280</b> Set for garage doors up to 200 kg: 24 V-DC motor, 1.000 N, 16 cm/s	
183497	<b>Comfort 280</b> Set for garage doors up to 200 kg: 24 V-DC motor, 1.000 N, 16 cm/s	
183503	<b>Comfort 280</b> Set for garage doors up to 200 kg: 24 V-DC motor, 1.000 N, 16 cm/s	
183527	<b>Comfort 280</b> Set for garage doors up to 200 kg: 24 V-DC motor, 1.000 N, 16 cm/s	

## Technical drawings

### Comfort 280



