

# Comfort TU500



## Article

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Item no.	Description
197890	<b>Comfort TU500</b> Set for sliding gates up to 500 kg: 230 V-AC motor, 16 Nm, 16 cm/s

## Scope of delivery

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- Motor unit with integrated control Control CBX102B
- Digital 992 Universal receiver, 868 MHz bi.linked
- 2 Digital 572 Micro hand transmitter 2-channel, 868 MHz bi.linked
- LS22 Throughbeam photoelectric sensor without connecting cable
- Spur gear module 4 pre-mounted
- Floor console

## Features

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### Comfort TU500

#### Features

- Active closing edge protection necessary
- End position setting via electronic limit switch
- Control with auto set function
- Foundation plate included

#### Features end position adjustment

- End position setting directly at the control

## Features operation

- Same programming logic for all controls - CBX102B, CBX10224 and CBX20224
- 2 menus: simple and advanced - for easy programming, but customizable installation

## Features structure and connection

- Integrated in the operator (standard)
- Pluggable radio receiver

## CBX102B

### Features functions

- Soft start/soft stop/soft run
- Automatic feed function
- Gate open time and prewarning time separately programmable
- Lighting duration programmable and switchable by radio
- Partial opening programmable
- Cycle counter
- Error signaling
- Simple reset function (complete reset)

### Features operation

- Same programming logic for all controls - CBX102B, CBX10224 and CBX20224
- 2 menus: simple and advanced - for easy programming, but customizable installation

### Features structure and connection

- Connection (conventional) for push button
- Connection (conventional) for 4-wire photoelectric sensor OPEN and CLOSED
- Connection (conventional) for holding circuit
- Connection (conventional) for 8.2 kOhm contact strip
- Connection (conventional) for signal light 230 V-AC
- Output 24 V-DC, max. 500 mA

## Digital 992 IP20

### Features

- Compact size
- 2 channels for free assignment
- 2 potential-free relay contacts for switching electrical devices, e.g. impulse input of a gate control system
- IMPULSE or ON/OFF function separately adjustable for each channel
- Generous memory for up to 100 keys per channel
- Connection with conventional wiring for external push buttons for direct switching of each relay

## 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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### CBX102B

- For Comfort TU

### Digital 992 IP20

- For all Marantec controllers and third-party products

### Digital 572

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

## Technical data

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### Comfort TU500

- End position system: Electronic limit switch
- Overload protection: Thermal protection 150 °C
- Continuous sound pressure level (max.) [dB(A)]: 70
- Connection type: Conventional
- Modul: 4
- Protection class: IP44
- Weight of gate leaf (max.) [kg]: 600
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 55
- Temperature (min./max.) [°C]: -20/55
- Temperature (min.) [°F]: -4 °F
- Temperature (max.) [°F]: 131 °F
- Output torque [Nm]: 16
- Operating mode (duty cycle): S2 - 3 min
- Motor power [kW]: 0.3
- 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]: 230 V/1~

- Width [mm]: 320
- Height [mm]: 260
- Depth [mm]: 184
- Garantie: 5 years

## CBX102B

- Protection class: IP00
- Protection class: I
- Temperature (min.)[°C]: -20
- Temperature (max.)[°C]: 55
- Temperature (min./max.)[°C]: -20/55
- Temperature (min.)[°F]: -4
- Temperature (max.)[°F]: 131
- On-site supply: 230 V/1~/50 Hz 230 V/1~/60 Hz
- Motor voltage [V]: 230 V/1~
- Control voltage [V]: 24 V-DC
- Load capacity Power (max.)[kW]: 0.7
- Width [mm]: 130
- Height [mm]: 110
- Depth [mm]: 100

## Digital 992 IP20

- Number of memory locations: 100
- Antenna: Wire antenna
- Radio frequency: 868 MHz
- Radio technology: bi.linked
- Radio coding: Marantec
- Communication direction: Unidirectional
- Connection type: Conventional
- Contact type: 2 CO
- Inputs:  
2 inputs for potential-free push buttons (NO)
- Outputs:  
2 potential-free relay contacts (CO)
- Protection class: IP20
- Color: RAL 7011
- 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]: 12-24 V-AC 12-24 V-DC
- Operating voltage type: Alternating current or direct current
- Rated current [A]: 0.05

- Contact load (max.):  
24 V-AC/1 A/24 VA; 30 V-DC/1 A/30 W
- Width [mm]: 70
- Height [mm]: 64
- Depth [mm]: 35
- Packing width: 87
- Packing height: 72
- Packing depth/length: 125
- Packing weight: 0.1
- Freight forwarding articles: No
- GTIN: 4062434001660
- Customs tariff number: 85269200
- 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

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Item no.	Description
8052649	<b>Special 471</b> 1 m rack, module 4, made of plastic
121276	<b>Special 441</b> 2 m gear rack module 4 made of plastic in aluminum profile with cable duct. Suitable for a maximum door weight of up to 800 kg
121277	<b>Special 441</b> 4 m gear rack module 4 made of plastic in aluminum profile with cable duct. Suitable for a maximum door weight of up to 800 kg
98088	<b>M4 rack</b> 1 m rack, module 4, made of steel, bolt attachment. Suitable for a maximum door weight of up to 2,200 kg
85243	<b>Screw connection set</b> for 5 racks
82517	<b>Radial damper M4</b> Radial damper module 4 for regulating the closing speed of unlocked sliding gates

## Predecessors

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Item no.	Description	Discontinuation
178405	<b>Comfort TU500</b> Set for sliding gates up to 500 kg: 230 V-AC motor, 16 Nm, 16 cm/s	