Comfort KRA4224E



Article

Item no.	Description
178373	**Comfort KRA4224E** Set for double-leaf swing gates up to 4.0 m: 24 V DC motor, 2,000 N, 1.5 cm/s, 120°, with encoder

Scope of delivery

- First and second motor unit without cable (2x1.5 and 3x0.5 mm^2 required)
- External control unit Control CBX20224H with integrated radio receiver, 868 MHz bi.linked
- 2 Digital 572 Micro hand transmitter 2-channel, 868 MHz bi.linked
- LS22 One-way photoelectric sensor without cable
- FCRAY End stop for direction OPEN
- Gate and angle bracket

Features

Comfort RA4224E

Features

- Built-in encoder for maximum precision
- Current-dependent obstacle detection - no active closing edge protection necessary (only operators with encoder)
- Concealed running operator unit
- Very quiet mechanism
- All mechanical parts protected against weather influences
- Sturdy die-cast aluminum housing and UV-resistant plastic covers

- Adjustable gate and pillar angles for easy motor installation

CBX20224H

Features functions

- Current-dependent obstacle detection with reversal
- 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
- Running speed OPEN and CLOSE separately programmable
- Soft run speed OPEN and CLOSE separately programmable
- Soft run position OPEN and CLOSE separately programmable
- Cycle counter
- Maintenance interval programmable
- 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
- Programming and status indication via LED display

Features structure and connection

- Battery backup can be integrated in the housing
- Integrated radio receiver bi.linked 868 MHz
- 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 24 V-DC signal light
- Connection (conventional) for 12 V-AC electric lock
- Connection for battery backup
- Output 24 V-DC, max. 250 mA

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

CBX20224H

- For Comfort ST500, RA4224E and UN

Digital 572

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

Technical data

Comfort RA4224E

- Encoder: Yes
- Continuous sound pressure level (max.) [dB(A)]: 70
- Connection type: Conventional
- Protection class: IP44
- Width gate wing (max.) [m]: 4
- Height gate wing (max.) [m]: 2
- Weight of gate leaf (max.) [kg]: 600
- E dimension (min.) [mm]: 0
- E dimension (max.) [mm]: 200
- E dimension (min./max.) [mm]: 0/200
- Gradient (max.) [%]: 0
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 55
- Temperature (min./max.) [°C]: -20/55
- Temperature (min.) [°F]: -4 °F
- Temperature (max.) [°F]: 131 °F
- Push and pull force (max.) [N]: 2,000
- Operating mode (duty cycle): S2 - 8 min
- Motor power [kW]: 0.12
- Running speed (max.) [cm/s]: 1.5
- Opening angle (max.) [°]: 120
- Operating voltage [V]: 24 V-DC
- Operating voltage type: Direct current
- Motor voltage [V]: 24 V-DC
- Rated current [A]: 5
- Width [mm]: 100
- Height [mm]: 104
- Depth [mm]: 844
- Depth (min.) [mm]: 844

- Depth (max.) [mm]: 844
- Movement stroke (max.) [mm]: 415
- Weight [kg]: 8
- Garantie: 5 years

CBX20224H

- Radio frequency: 868 MHz
- Radio technology: bi.linked
- 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
- Operating voltage [V]: 24 V-DC
- Motor voltage [V]: 24 V-DC
- Control voltage [V]: 24 V-DC
- Load capacity Power (max.) [kW]: 0.28
- Width [mm]: 222
- Height [mm]: 275
- Depth [mm]: 110
- Packing width: 234
- Packing height: 128
- Packing depth/length: 298
- Packing weight: 4.538
- Freight forwarding articles: No
- GTIN: 4062434006641
- Customs tariff number: 85371098
- Country of origin 1000: Italien
- Garantie: -

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

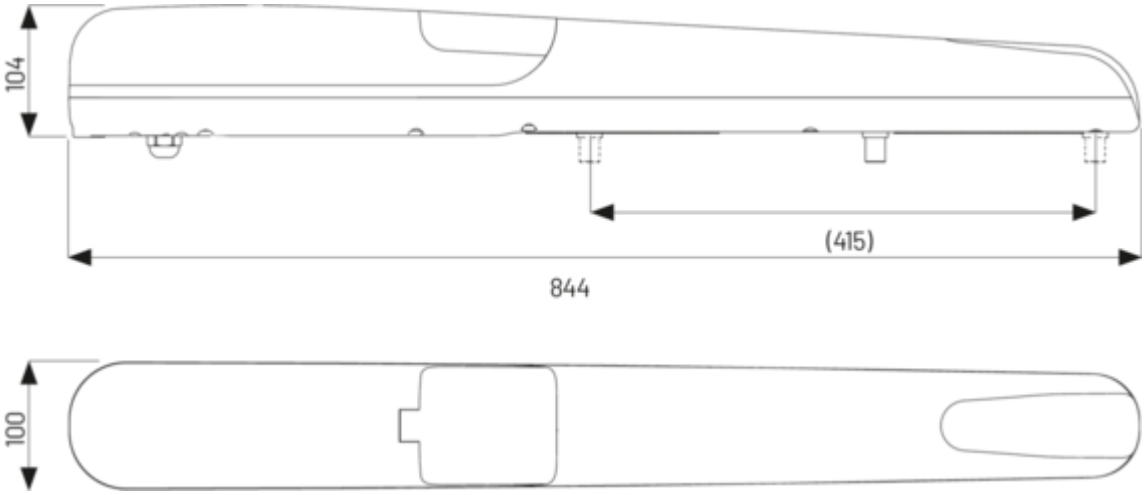
Item no.	Description
178466	**EXRB** Angle extension for opening to the outside
178390	**FCRAY** Mechanical end stop in direction CLOSE
178394	**KC** Locking cylinder with 2 keys for securing the emergency release device
178386	**ADFB** 2 adjustable gate brackets
178387	**ADRB** 2 adjustable angle brackets
178388	**ADWA** Adapter for NICE WINGO and CAME ATI
178389	**STAF** Adapter for NICE TOONA pillar angle
178391	**ELS-C** 12 V AC electric lock for post lock, for gate wings 2.5 m or wider
178386	**ADFB** 2 adjustable gate brackets
178387	**ADRB** 2 adjustable angle brackets
178388	**ADWA** Adapter for NICE WINGO and CAME ATI
178466	**EXRB** Angle extension for opening to the outside
178389	**STAF** Adapter for NICE TOONA pillar angle
178390	**FCRAY** Mechanical end stop in direction CLOSE
178394	**KC** Locking cylinder with 2 keys for securing the emergency release device
178391	**ELS-C** 12 V AC electric lock for post lock, for gate wings 2.5 m or wider

Successors

Item no.	Description	Market launch
191490	**Comfort KRA4324E** Set for double-leaf swing gates up to 4.0 m: 24 V DC motor, 2,000 N, 1.5 cm/s, 120°, with encoder	2023-08-15

Technical drawings

Comfort RA4224E



CBX20224H

