

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 mm² 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

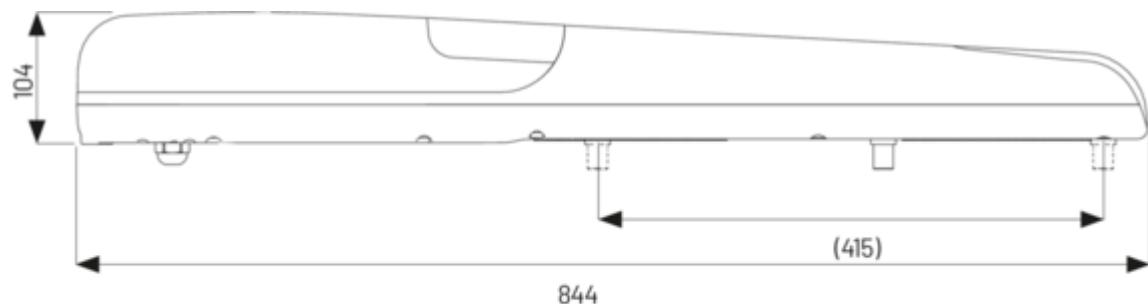
Item no.	Description
178466	EXRB Angle extension for opening to the outside
178390	FCRAY Mechanical end stop in direction CLOSE
178394	KC Locking cylinder with 2 keys for securing the emergency release device
178386	ADFB 2 adjustable gate brackets
178387	ADRB 2 adjustable angle brackets
178388	ADWA Adapter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

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

