

## 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: 85269200Country 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

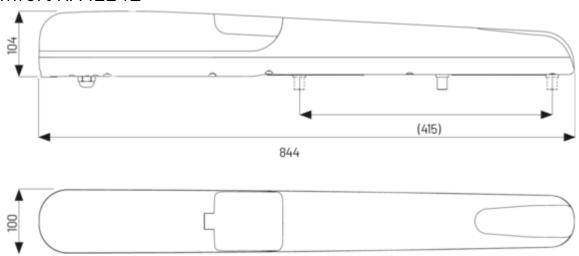
2023-08-15 191490

Comfort KRA4324E Set for double-leaf swing gates up to 4.0 m: 24 V DC motor, 2,000 N, 1.5 cm/s,  $120^{\circ}$ , with encoder



# Technical drawings

## Comfort RA4224E





CBX20224H

