

HINGED ARM AUTOMATION FOR SWING GATES

RAPID SELECTION GUIDE

(FOR THE SERIES BL - HL - BLi)

56

CARDIN AUTOMATION BL



MASTER AUTOMATION 24V

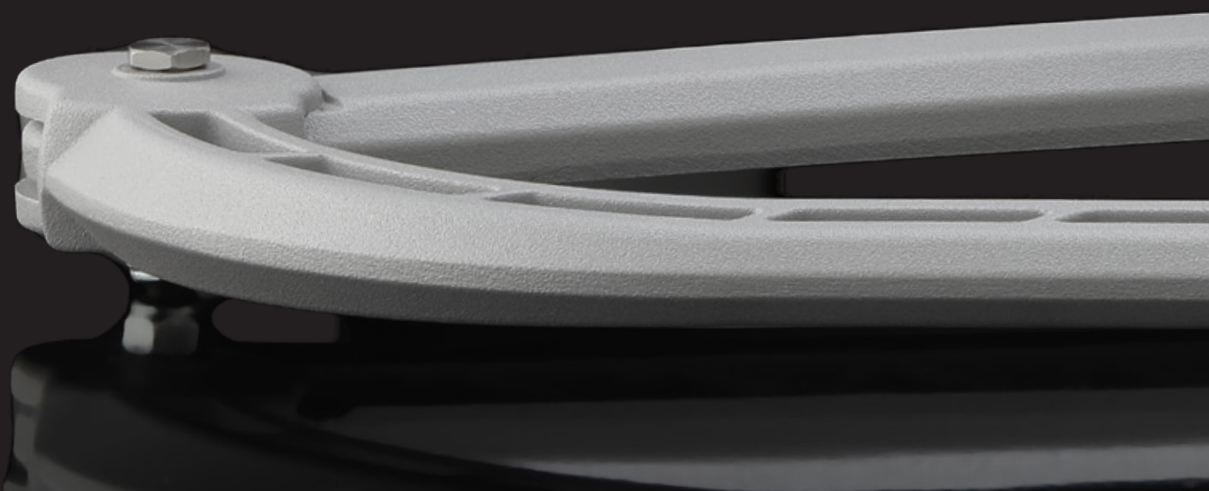
62

CARDIN KIT BL



MASTER AUTOMATION 24V

70







BLGRIFFE

HINGED ARM
MASTER AUTOMATION

CARDIN AUTOMATION



BLGRIFFE24M



BLGRIFFE24TM



BL

HINGED ARM
MASTER AUTOMATION



BL3924MCB



BL3924MRCB



BL

WORM SCREW
SLAVE AUTOMATION

CARDIN AUTOMATION



BLEGOS



BLESOL



BLADE

WORM SCREW
SLAVE AUTOMATION

CARDIN AUTOMATION



3m
max

110°
max

250
kg



BLADE324



5m
max

110°
max

300
kg



BLADE524



5m
max

110°
max

300
kg



BLADE524REV



BLADE

WORM SCREW
SLAVE AUTOMATION

CARDIN AUTOMATION



3m
max

110°
max

250
kg



BLADE3



3m
max

110°
max

250
kg



BLADE3REV



5m
max

110°
max

300
kg



BLADE5



5m
max

110°
max

300
kg



BLADE5REV



BLTAG

WORM SCREW
SLAVE AUTOMATION

CARDIN AUTOMATION



2m
max

100°
max

150
kg



BLTAGSX

2m
max

100°
max

150
kg



BLTAGDX



BLUES

WORM SCREW
SLAVE AUTOMATION

CARDIN AUTOMATION



4,5m
max

105°
max

500
kg



BLUES5



4,5m
max

105°
max

500
kg



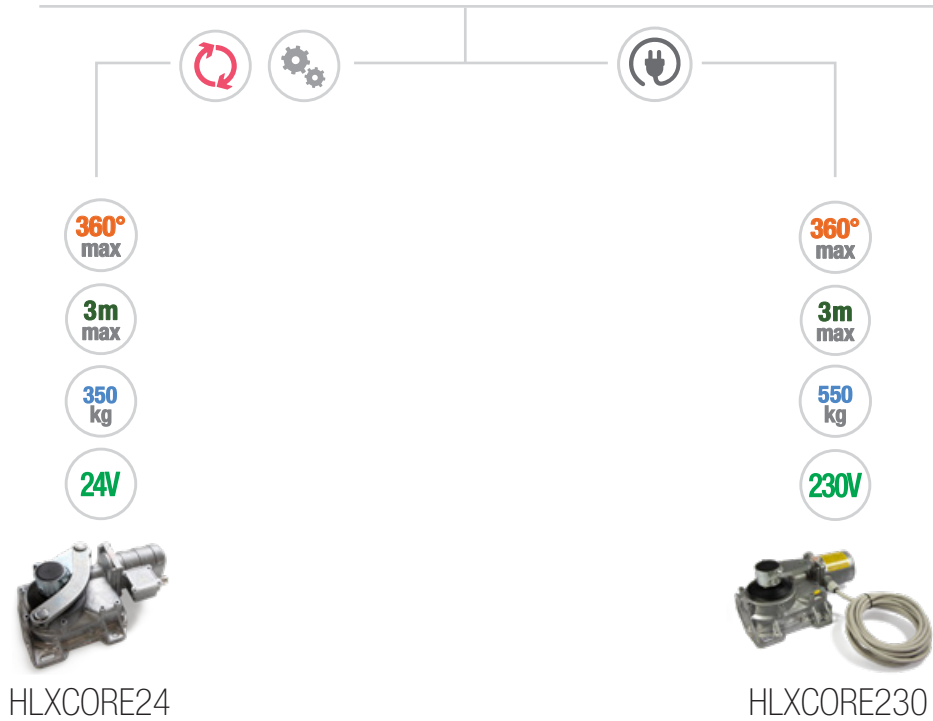
BLUES5R



HLXCORE

UNDERGROUND
SLAVE AUTOMATION

CARDIN AUTOMATION





BLi

INSIDE SLAVE
AUTOMATION



2,5m
max

180°
max

200
kg



BLi1000



SELF-PROGRAMMING AUTOMATION FOR SWING GATES



CARDIN AUTOMATION SERIES BLGRIFFE

Hinged operator arm automation designed to handle swing gates with one or two gate leaves. Includes a master unit with an in-built electronic programmer and a slave unit powering the second swing-to gate, both acting in synch.

Perfect for residential applications with small gates and narrow columns, it fits seamlessly into the fixed structure without altering the appearance of the gate and is the ideal choice for effective and reliable gate control, ensuring safety and convenience in any situation - a perfect combination of technology, design and precision.

The compact and robust fastening bracket allows the automation to be fitted to very narrow columns. The extremely robust cast aluminium operator arms are fitted with joints for all applications and are able to drive hinged gates with different constructive characteristics.

Manual release is carried out using a practical locking - unlocking lever protected by a security key.

The use of direct current motors increases the performance, guarantees high efficiency, long life and silent running.

The integrated programmer employs mechanical travel limit controlled gate positioning.

Repositioning takes place automatically whenever foreign objects get in the way of the gate as it is moving. The elec-tronic control unit is completed by the anti-crush and "soft start" and "soft stop" functions.

Compatible with the INTPRG-3G/WF system that allows the monitoring and programming of system parameters from re-mote positions.

Kit including battery charger and batteries to be ordered separately.



Compatible with the data exchange system between digital devices (smartphone, tablet, etc.) and the Cardin multifunctional control units.



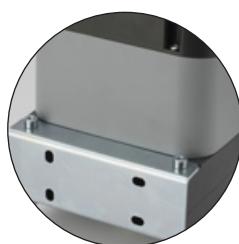
See section 24V ECU INTERFACE DEVICES on page 178



BLGRIFFE TRAVEL LIMITS



ALUMINIUM OPERATOR ARMS



ANCHOR PLATE



MANUAL RELEASE MECHANISM WITH A PERSONALISED KEY



SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY

CARDIN AUTOMATION SERIES BLGRIFFE



ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Encoder-controlled self-locking Master unit including:

- electronic programmer;
- 433MHz FM receiver;

Particularly suited for installations with narrow columns that require the mounting base to be less than 180mm in width and also for gates where the hinges are not aligned to the edge of the column and with gate leaves of up to 2 metres in length (2,5m with a hinged arm and an electric lock) 200kg maximum weight.

Operator arm included.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, intermittent warning lamp activation, indicator light and photoelectric cell function setting etc. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display) and these events permit you to regulate the opening and closing of the motor at different times during the day within 3 weekly time bands (Mon-Fri, Sat-Sun, Mon-Sun); the events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel.

This version of the product is factory fitted with a multi-decoding remote control module (system S449 - S486 - S504 - S508).

By default the devices are supplied with a 433MHz RF module and the S504 / S508 series memory module inserted. To control the device with S449 transmitters, insert the ZGB24LC16-I / P memory module (supplied with the device) and consult the relevant section. For the S508 / S486 series purchase and insert the 868Mhz RF module.

ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Self-locking Master unit controlled by mechanical travel limits with an in-built electronic programmer.

Kit battery charger + batteries to be ordered separately.

Particularly suited for installations with narrow columns that require the mounting base to be less than 180mm in width and also for gates where the hinges are not aligned to the edge of the column and with gate leaves of up to 2 metres in length (2,5m with an electric lock), 200kg maximum weight.

Operator arm included.

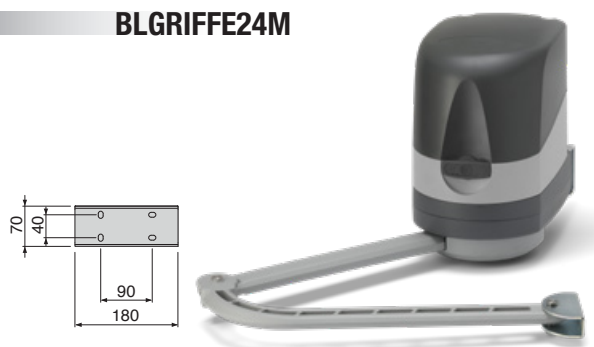
Simple and intuitive electronic programmer where basic functions are configurable via dip-switches.

It can also be configured via the CRD TWO app by installing the optional MODBT2 module, which enables more advanced functions.

Factory set for the insertion of an open collector receiver card that guarantees compatibility with all the radio control series available in the Cardin catalogue.

A simplified installation may be set up with a deactivated encoder.

BLGRIFFE24M



BLGRIFFE24TM



CARDIN AUTOMATION SERIES BLGRIFFE



ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Encoder-controlled self-locking slave unit for BLGRIFFE24M and BLGRIFFE24TM.

BLGRIFFE24S

2,5m
max

200
kg

120°
max



STRAIGHT ARM WITH SLIDING GUIDE

in spray-painted cast aluminium.

BLGRIFFEDRM



KIT BATTERY CHARGER + NIMH BATTERIES

Allows the BL3924MCB unit to work during blackouts.

KBNIMH-1



KIT BATTERY CHARGER + NiMH BATTERIES

Allows the 24V programmers to work during blackouts.

KBNIMH-T1



10m CABLE

with end sleeves.

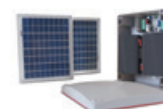
CABPC10



POWER SUPPLY KIT

Solar panels for use with all 24Vdc automation.

SUNPOWER



BLUETOOTH MODULE

The module allows the exchange of information between the BLGRIFFE24M motor's electronic control unit and the Cardin 3G/WF interface via Bluetooth or directly between the control units and the apps CRD ONE and CRD TWO.

MODBT



BLUETOOTH MODULE

The module allows the exchange of information between the BLGRIFFE24TM motor's electronic control unit and the Cardin 3G/WF interface via Bluetooth or directly between the control units and the apps CRD ONE and CRD TWO.

MODBT2



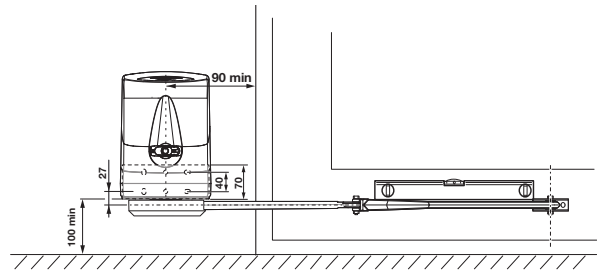
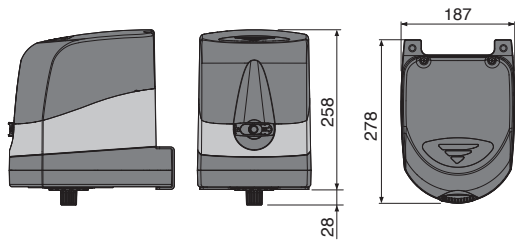
For the electric locks see page 159.

CARDIN AUTOMATION SERIES BLGRIFFE

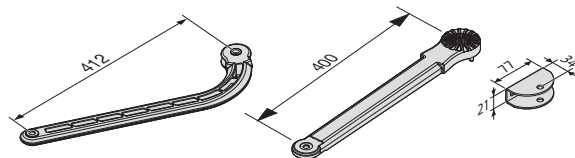
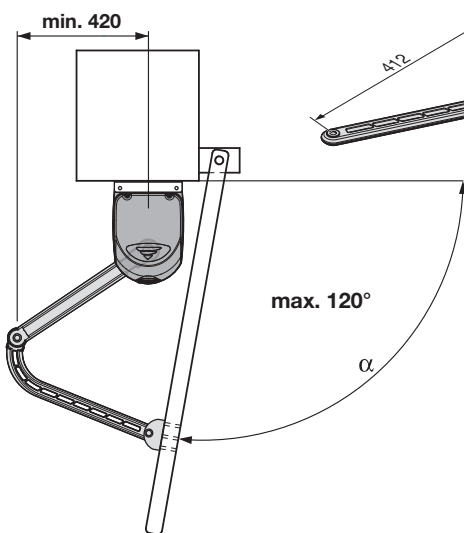


LIMITS OF USE

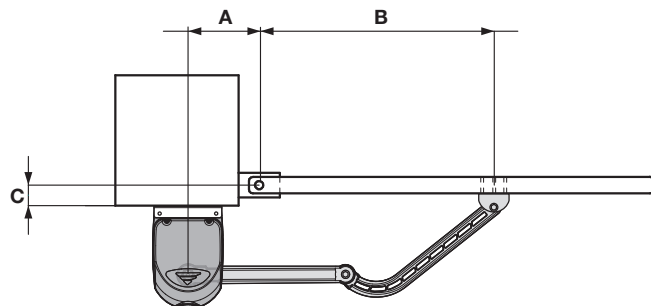
SERIES BLGRIFFE OVERALL DIMENSIONS (mm)



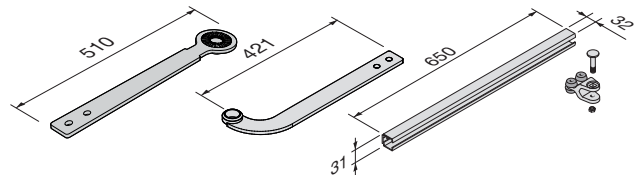
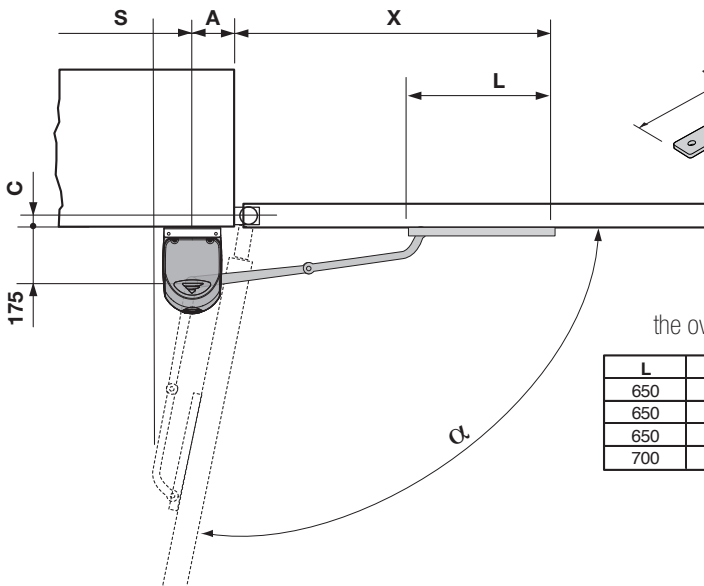
BLGRIFFE HINGED ARM (mm)



α	A	B	C
90	130	500 - 600	0 - 200
110	250	500	25
120	300	500	50 max



BLGRIFFE + STRAIGHT ARM BLGRIFFEDRM



the overall length of the straight arm = 740mm

L	A	C	X	α	S
650	75	30...80	1000	100	190
650	75	81...200	1125	95	140
650	150	30	1070	120	395
700	75	80...250	1225	95	145



SELF-PROGRAMMING AUTOMATION FOR SWING GATES



CARDIN AUTOMATION SERIES BL

A complete automatic device for swing gates with one or two gate leaves, the system is made up of a Master unit and a Slave unit powering the second hinged gate.

Installation is facilitated and the geared motor is well anchored by the special practical cast aluminium wall (or column) bracket predisposed for any type of fastening.

The compact and robust fastening bracket allows the automation to be fitted to very narrow columns. The extremely robust cast aluminium operator arms are fitted with joints for all applications and are able to drive hinged gates with different constructive characteristics.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, intermittent warning lamp activation, indicator light and photoelectric cell function setting etc. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display) and these events permit you to regulate the opening and closing of the motor at different times during the day within 3 weekly time bands (Mon-Fri, Sat-Sun, Mon-Sun); the events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel. Repositioning takes place automatically whenever foreign objects get in the way of the gate as it is moving. The electronic control unit is completed by the anti-crush and "soft start" and "soft stop" functions.

Compatible with the INTPRG-3G/WF system that allows the monitoring and programming of system parameters from remote positions.

Multi-decoding:

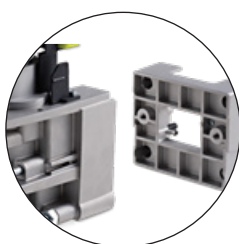
The product range is factory fitted with a multi-decoding remote control module (system S449 - S486 - S504 - S508).



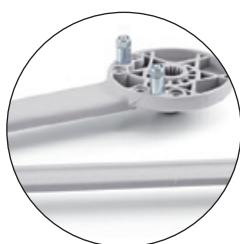
Compatible with the data exchange system between digital devices (smartphone, tablet, etc.) and the Cardin multifunctional control units.



See section 24V ECU INTERFACE DEVICES on page 178



BL3924 BRACKETS



ALUMINIUM OPERATOR ARMS



MANUAL RELEASE
BL3924



NIMH EMERGENCY BATTERIES



SELF-PROGRAMMING MONITORED
BY AN LCD GRAPHICS DISPLAY

CARDIN AUTOMATION SERIES BL



ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Encoder-controlled self-locking Master unit (reversible in the version BL3924MRCB) including:

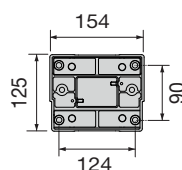
- electronic programmer;
- 433MHz FM receiver;
- slot-in battery charger;
- NiMH batteries.

Particularly suited for installations with large size columns where the hinges are not aligned to the edge of the column and with gate leaves of up to 3,5 metres in length (up to 5m with a hinged arm and an electric lock) 400kg maximum weight.

Manual release is carried out using the supplied hexagonal key after first unlocking and removing the covering cap.

Operator arm to be ordered separately.

BL3924MCB
BL3924MRCB



FASTENING BASE
SPARE PARTS NUMBER 999533



ELECTROMECHANICAL UNIT WITH A 24V MOTOR

Encoder-controlled self-locking slave unit (reversible in the version BL3924SR).

BL3924S
BL3924SR



STANDARD HINGED OPERATOR ARM

in spray-painted cast aluminium.

BL3924ARM



HINGED OPERATOR ARM WITH JOINTS

in spray-painted cast aluminium for opening systems on slopes.

BL3924SRM



STRAIGHT ARM WITH SLIDING GUIDE

in spray-painted cast aluminium.

BL3924DRM



1000mm GUIDE FOR SPECIAL OPENING REQUIREMENTS

in aluminium.
Lots of 2 pcs.

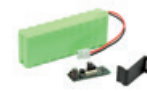
BL3924GU2



KIT BATTERY CHARGER + NIMH BATTERIES

Allows the BL3924MCB unit to work during blackouts.

KBNIMH-1



10m CABLE

with end sleeves.

CABPC10



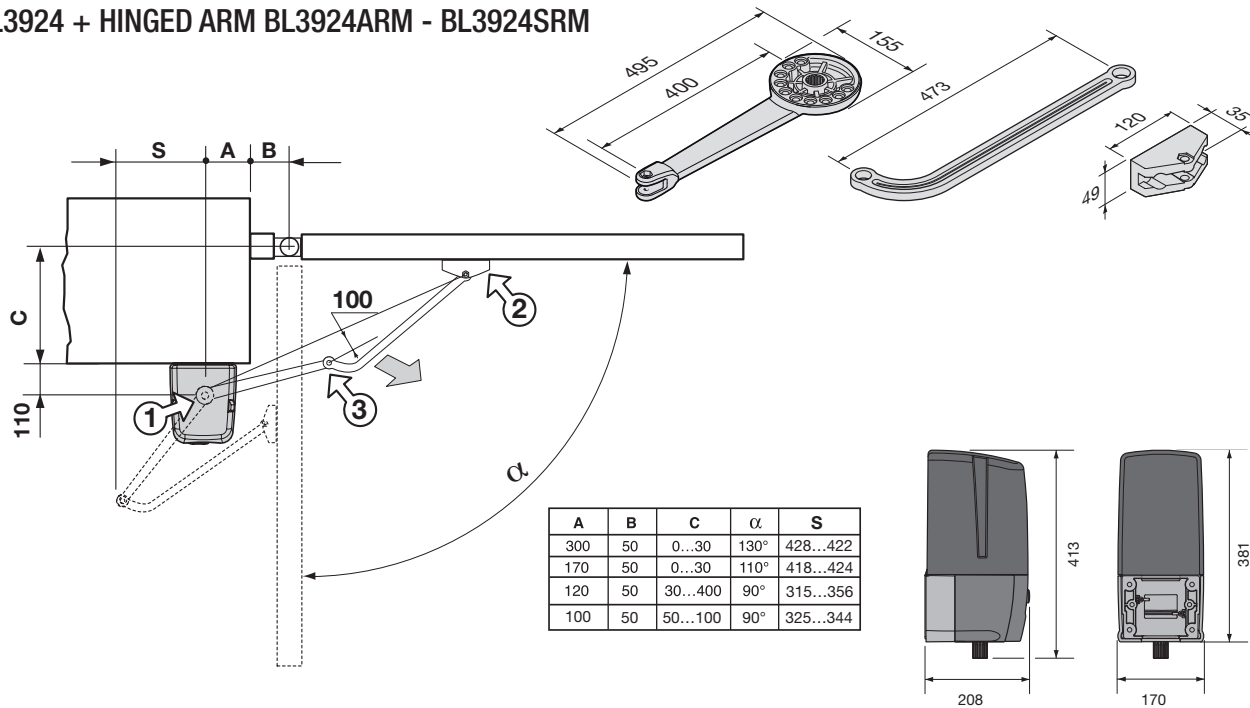
For the electric locks see page 159.

CARDIN AUTOMATION SERIES BL

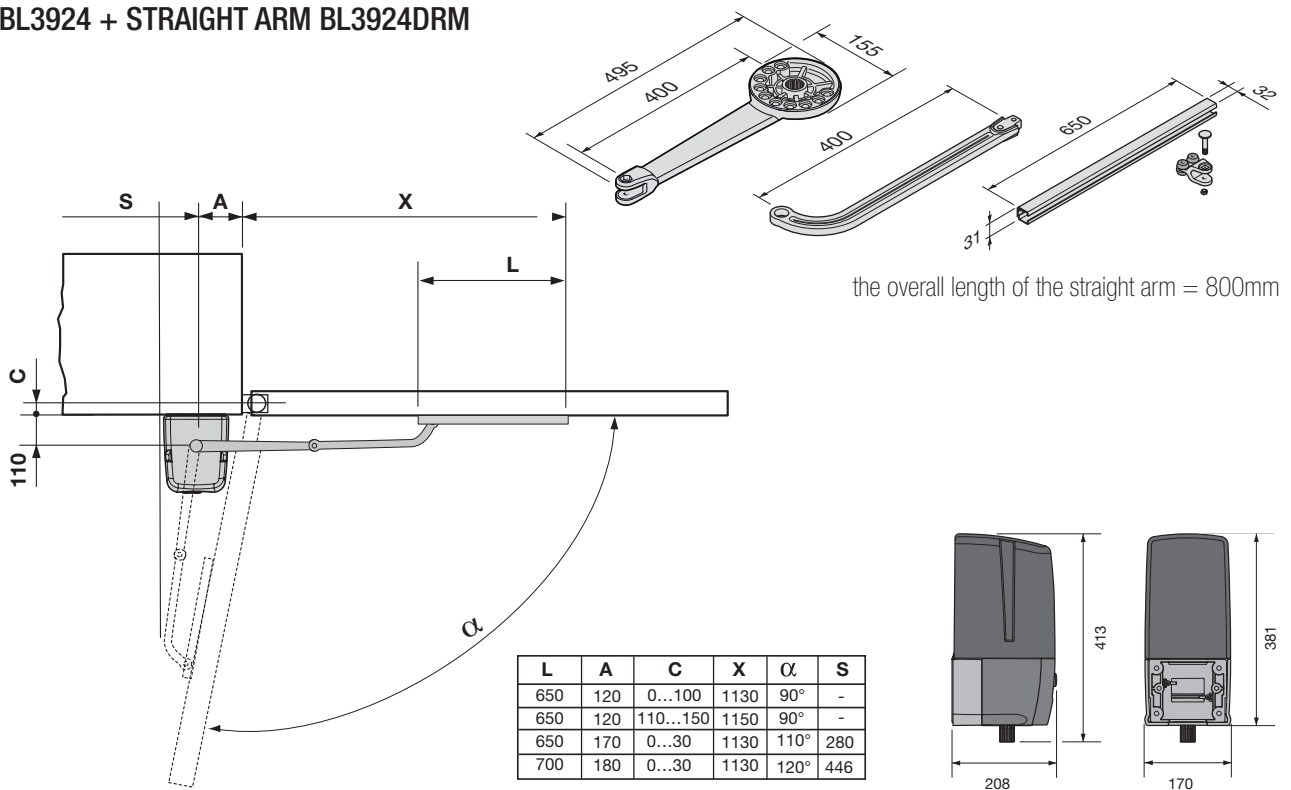


LIMITS OF USE

BL3924 + HINGED ARM BL3924ARM - BL3924SRM



BL3924 + STRAIGHT ARM BL3924DRM



CARDIN AUTOMATION SERIES BL-BLGRIFFE



OPERATOR ARM TECHNICAL SPECIFICATIONS

		BLGRIFFE24M	BLGRIFFE24TM	BL3924MCB/MRCB
Motor power supply	Vdc	24	24	24
Nominal electrical input	A	2	2	2
Power input	W	50	50	50
Duty cycle	%	70	70	70
Opening time 90°	s	16	16	20 (16*)
Maximum opening angle	°	120	120	130
Max. torque	Nm	250	250	300
Protection grade	IP	54	54	44

* using a straight operator arm

ELECTRONIC PROGRAMMER TECHNICAL DATA

Power supply	Vac	230	230	230
Nominal electrical input	A	0,8	0,7	1,2
Maximum power yield	W	180	150	250
Power output for 1 or 2 motors	W	70 + 70	60 + 60	60 + 60
Class II device	Cls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

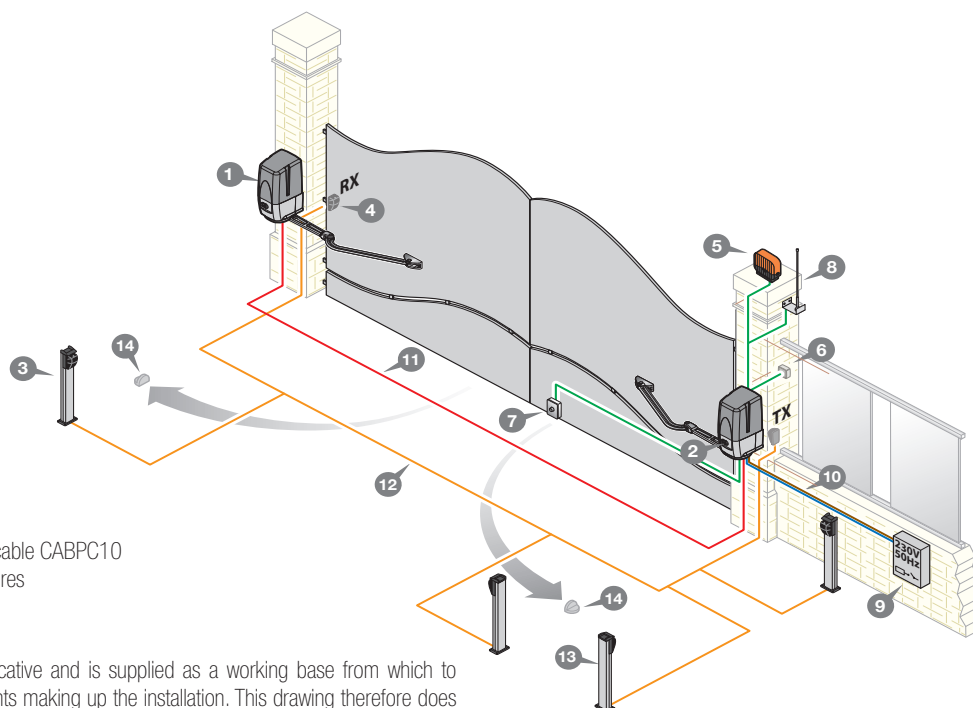
BUILT IN RECEIVER CARD

Reception frequency	MHz	433.92 / 868,3	-	433.92 / 868,3
Number of channels / number of functions	No	4 / 8	-	4 / 8
Number of stored codes	No	300 / 1000	-	300 / 1000

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor (left)
- 2 Geared motor (right)
- 3 Internal photocells
- 4 External photocells
- 5 Warning lights
- 6 Mechanical selector switch
- 7 Electric lock
- 8 External aerial
- 9 All pole circuit breaker
- 10 Mains cable 230Vac
- 11 Channelling for Cardin connection cable CABPC10
- 12 Channelling route for low voltage wires
- 13 Lateral protective photocells
- 14 Opening direction stop buffers



Attention: The drawing is purely indicative and is supplied as a working base from which to choose the Cardin electronic components making up the installation. This drawing therefore does not lay down any obligations regarding the execution of the installation.

COMPLETE KIT FOR SWING GATES



KT-BLGRIFFE24



PACKING
DIMENSIONS: 265 x 730 x 330
GROSS WEIGHT: 13,5 kg
ITEMS PER PALLET: 9 pcs

USE

Particularly suited for installations with narrow columns that require the mounting base to be less than **180mm** in width and also for gates where the hinges are not aligned to the edge of the column and with gate leaves of up to **2 metres** in length (**2,5m** with an electric lock) **200kg** maximum weight.

SELF-LOCKING MASTER UNIT

with a 24V encoder-controlled motor, electronic programmer, 433MHz FM receiver, battery charger and NiMH batteries.

SELF-LOCKING SLAVE UNIT

driving the second gate.

2 4-CHANNEL TRANSMITTERS

433MHz FM ROLLING CODE.

PAIR OF PHOTOCELLS

in class 3 with adjustable lens, range 10m.

LED WARNING LIGHT

24V - 230V with an in-built aerial

10-METRE WIRING CABLE

with end sleeves.

INTERNATIONAL WARNING SIGN

in PP, multi-language.



BLGRIFFE24M



BLGRIFFE24S



TXQ504C4



CDR999



ICON



CABPC10



TARGA-INT



COMPLETE KIT FOR SWING GATES



KT-BLGRIFFE24T



PACKING
DIMENSIONS: 265 x 730 x 330
GROSS WEIGHT: 13,5 kg
ITEMS PER PALLET: 9 pcs

USE

Particularly suited for installations with narrow columns that require the mounting base to be less than **180mm** in width and also for gates where the hinges are not aligned to the edge of the column and with gate leaves of up to **2 metres** in length (**2,5m** with an electric lock) **200kg** maximum weight.

SELF-LOCKING MASTER UNIT

with a 24V motor. In-built electronic programmer with an incorporated open collector receiver card.

SELF-LOCKING SLAVE UNIT

driving the second gate.

2-CHANNEL RECEIVER CARD

433MHz open collector, slot-in card. S508 - S449 - S486 and EDGE versions are available on request.

2 4-CHANNEL TRANSMITTERS

433MHz FM ROLLING CODE.

PAIR OF SURFACE-MOUNT PHOTOELECTRIC CELLS

with adjustable lens, range 25m.

LED WARNING LIGHT

24V - 230V with an in-built aerial

INTERNATIONAL WARNING SIGN

in PP, multi-language.



BLGRIFFE24TM



BLGRIFFE24S



RSQ5040C2



TXQ504C4



VED0180



ICON



TARGA-INT



COMPLETE KIT FOR SWING GATES



KT-BL3924MCD



PACKING
DIMENSIONS: 530 x 235 x 510
GROSS WEIGHT: 33 kg
ITEMS PER PALLET: 14 pcs

USE

Particularly suited for installations with large size columns where the hinges are not aligned to the edge of the column and with gate leaves of up to **3,5m**, **400kg** maximum weight.

SELF-LOCKING MASTER UNIT

with a 24V encoder-controlled motor, electronic programmer, 433MHz FM receiver, battery charger and NiMH batteries.



BL3924MCB

SELF-LOCKING SLAVE UNIT

driving the second gate.

BL3924S

2 STANDARD HINGED OPERATOR ARMS

in spray-painted cast aluminium.

BL3924DRM

2 4-CHANNEL TRANSMITTERS

433MHz FM ROLLING CODE.

TXQ504C4

PAIR OF PHOTOCELLS

in class 3 with adjustable lens, range 10m.

CDR999

LED WARNING LIGHT

24V - 230V with an in-built aerial

ICON

10-METRE WIRING CABLE

with end sleeves.

CABPC10

INTERNATIONAL WARNING SIGN

in PP, multi-language.

TARGA-INT



COMPLETE KIT FOR SWING GATES



KT-BL3924MCB



PACKING
DIMENSIONS: 530 x 235 x 510
GROSS WEIGHT: 33 kg
ITEMS PER PALLET: 14 pcs

USE

Particularly suited for installations with large size columns where the hinges are not aligned to the edge of the column and with gate leaves of up to **5m** with an electric lock, **400kg** maximum weight.

SELF-LOCKING MASTER UNIT

with a 24V encoder-controlled motor, electronic programmer, 433MHz FM receiver, battery charger and NiMH batteries.

SELF-LOCKING SLAVE UNIT

driving the second gate.

2 STANDARD HINGED OPERATOR ARMS

in spray-painted cast aluminium.

2 4-CHANNEL TRANSMITTERS

433MHz FM ROLLING CODE.

PAIR OF PHOTOCELLS

in class 3 with adjustable lens, range 10m.

LED WARNING LIGHT

24V - 230V with an in-built aerial

10-METRE WIRING CABLE

with end sleeves.

INTERNATIONAL WARNING SIGN

in PP, multi-language.



BL3924MCB

BL3924S

BL3924ARM

TXQ504C4

CDR999

ICON

CABPC10

TARGA-INT

