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Gate&Door catalogue

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Index

We are Able, professional automation systems provider. By listening to our clients we create customisable, flexible and reliable systems they need. Long standing expertise, quality and cost effectiveness make us the ultimate professional automation provider.

We convert complexity in simple and robust products destined to last. Developed, engineered and made in Italy, our systems are performing and durable, easy to install, use and maintain, conceived to be powerful and reliable tools for professional automation people.

Able to

meet your needs

A comprehensive product catalogue designed to address the different needs of professional installers, ensuring solutions for every installation challenge. This collection provides specialized options and a wide range of choices, enabling installers to find the right products for different requirements.

perform

Maintenance demands are kept to an absolute minimum, thanks to a system that offers direct technical assistance without the hassle of call centers or automated switchboards. This streamlined approach ensures quick, efficient support and faster response times, allowing users to resolve issues directly with skilled technicians for optimal convenience and reliability.

link past and future

V2's electronic expertise meets a new design, an expanded range of products, and advanced technology that pushes the boundaries of innovation. Enhanced connectivity further improves functionality, enabling integration across applications. This new generation of products combines performance, and smart features, creating a versatile catalogue that meets the evolving needs of modern installations while ensuring intuitive control and reliability.

Long lasting

Robust products made from selected materials, ensuring the quality and durability of Made in Italy craftsmanship

Low consumption

EPD®

All Able product range is compliant with EU 2023/826 standby eco-design regulation. EPD certification according ti ISO14025

Easy to use

Digital control units for simplified installations, QR code instructions always available, and web tools designed to make your life easier

Always connected

Apps designed for both installers and end customers, products with Wi-Fi integration

Protected

Contract codes to protect installers, personalized passes to serialize remote controls and a protected distribution network

Flexible
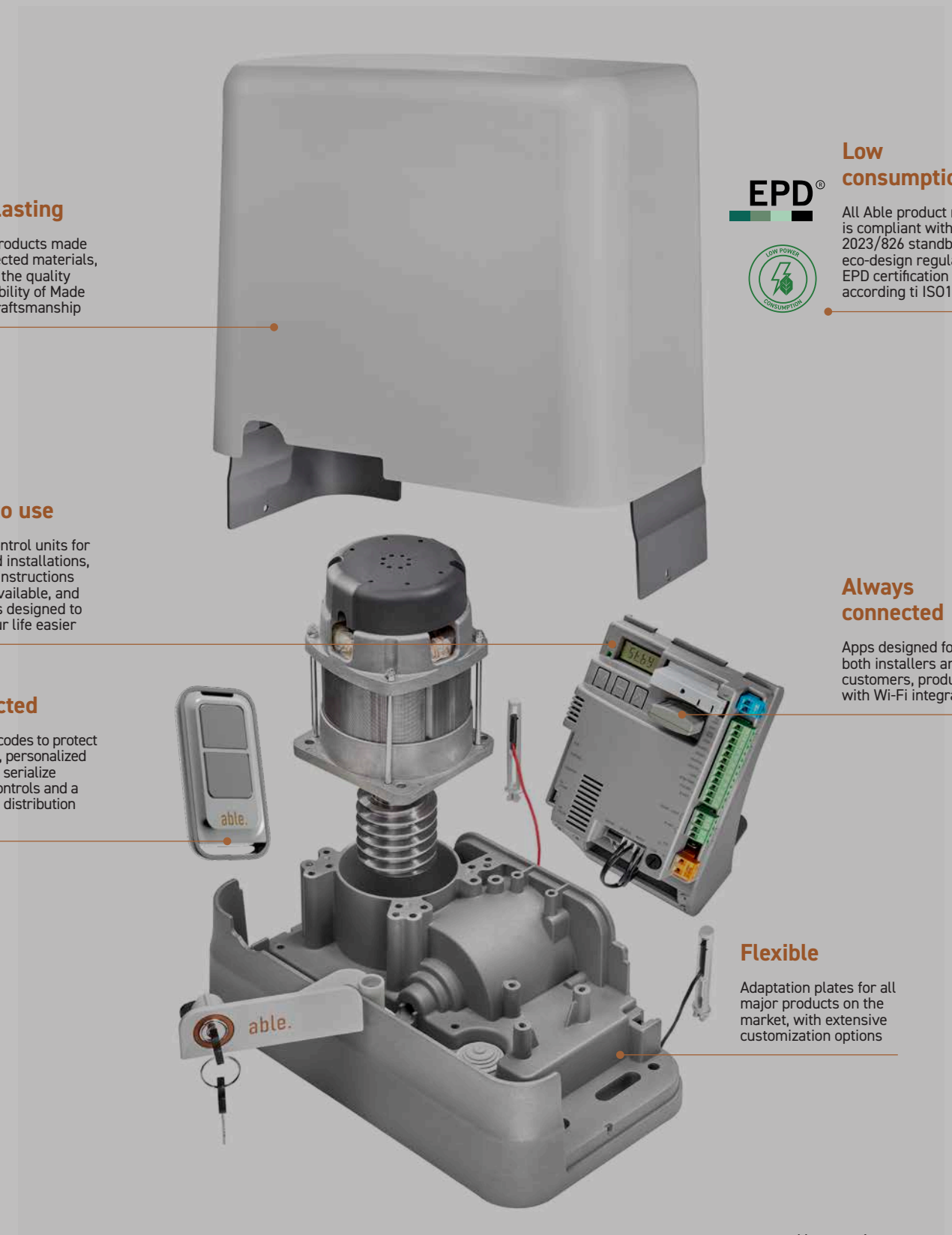
Adaptation plates for all major products on the market, with extensive customization options

able.

Our values drive us to create durable, reliable solutions that are simple to use and adaptable to every need. We focus on practicality and quality to deliver products that stand the test of time.

Built for Strength

We build strong products made with durable materials, featuring clear function, good design and high performance.
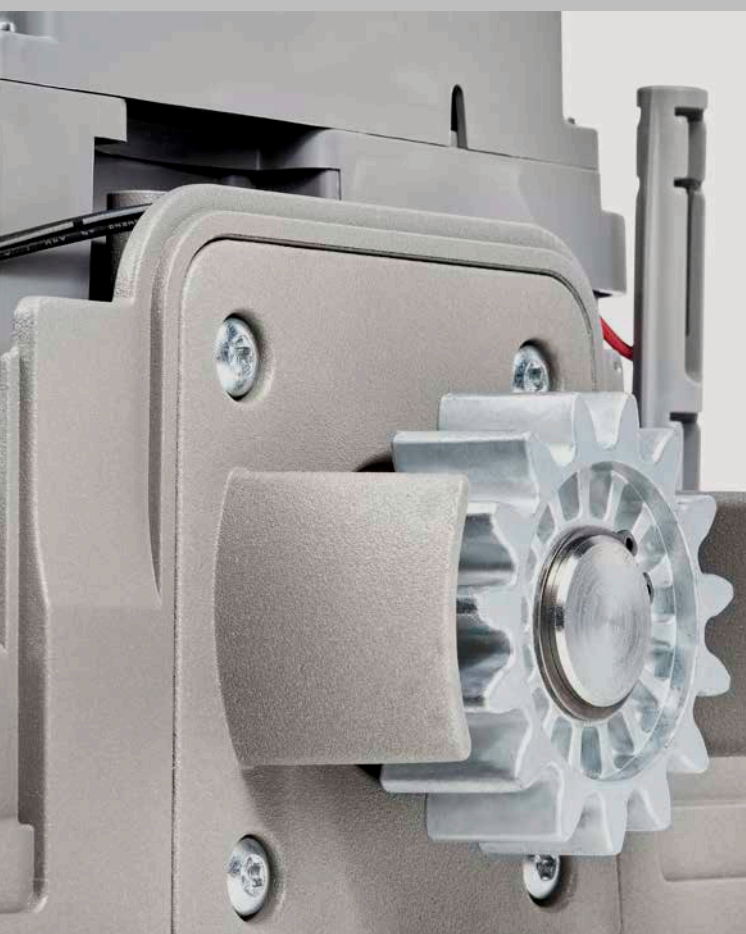
Driven by Reliability
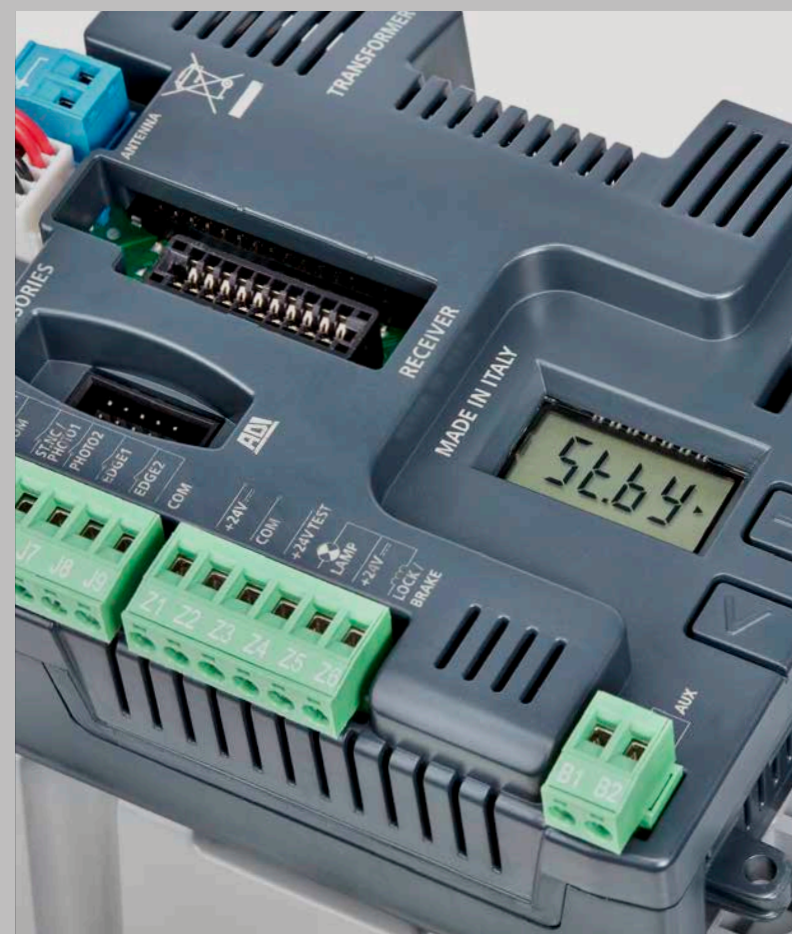
We prioritize quality with carefully chosen materials, traditional V2 electronics standards, and rigorous testing during assembly, for reliable performance.

Designed for Simplicity

We believe simplicity is key for rapid and flawless installation and for ease of use over time.

Tailored for you

The products are designed to be fully customizable to respond to each individual need.

Automations at your fingertips

AX WIFI02 is the new device specially designed for installers who want to conveniently program control units and check installations directly from their smartphones using the new 'Able to Install' app.

Wi-Fi direct mode. No need for additional router devices.

One device, endless installations. Plug-in, set up, and go.

No more acronyms and discomfort. Easily define all the parameters you need through the app.

Firmware without fear. Update the firmware directly from the app and save all your installation details in the 'Able to Install' app.

AX WIFI01 is the Wi-Fi receiver module designed for end users who want full remote control of all their automations through the new 'Able to Use' app.

Automations at a glance. All devices in a single dashboard.

Wi-Fi communication with the home Wi-Fi network.

Nothing could be simpler. Just Plug-in and connect.

Everything under control. Check the status of gates, doors, and sun shading solutions in real-time.

1. Choose and install the automation right for you

2. Inserting WIFI02 USB stick into control unit and connecting via direct Wi-Fi using 'Able to Install' app

3. Programming control unit via app

4. The WIFI02 USB stick can also be used to update the firmware of the control unit

5. Removing the WIFI02 USB stick

6. Inserting the WIFI01 USB stick and connect it to the 'Able to Use' app, which will then be linked to the home Wi-Fi network

7. Using the 'Able to Use' app to control gates, garage doors, and motors for blinds and shutters

8. Setting up routines and granting access to other users

Able to Install

'Able to Install' stands as the exclusive management app developed by Able, specifically tailored for technicians and installers. With 'Able to Install', programming the control unit and configuring its parameters becomes effortlessly convenient directly from a smartphone or tablet. Operating through the Wi-Fi protocol, 'Able to Install' is downloadable from Google Store and Apple Store, establishing a connection to the control unit through the practical WIFI02 module.

The app capabilities extend to setting all control unit parameters, loading default data, reading the current configuration, or loading a previously saved configuration. Moreover, the app grants access to the event log and facilitates the swift updating of the control unit's firmware (for this function, it is essential to verify the compatibility of the control unit).

The app tailored for technicians and installers

At your fingertips
Program your control unit and configure parameters directly from your smartphone or tablet

One view, all parameters
Forget abbreviations and find all the parameters you need with full lenght descriptions

Create your own system
Pinpoint your installations and create a client database directly from the app

Able to Use

'Able to Use' is the app designed for end-users, providing easy management of home and building automations. Gates can be checked and controlled with a single click, ensuring convenience and efficiency. Access policies and times for users can be customized, and usage can be monitored with detailed logs. New users and installations can be effortlessly added, creating a user-friendly experience.

Automation can be enjoyed with personalized scenarios, offering control on specific days and times. The automation can be seamlessly connected to the network with the WIFI01 module, expanding its functionality. This Wi-Fi module, which is compatible with Able digital control units, enhances the system's connectivity options, providing a comprehensive solution for efficient, personalized, and connected management.

Designed for easy management of home automations

At your fingertips
Choose among three different behaviours for your automation

Safe accesses
The easiest way you've seen for managing temporary and permanent accesses

Be in full control
Create home routines and device specific accesses for a fully automated experience
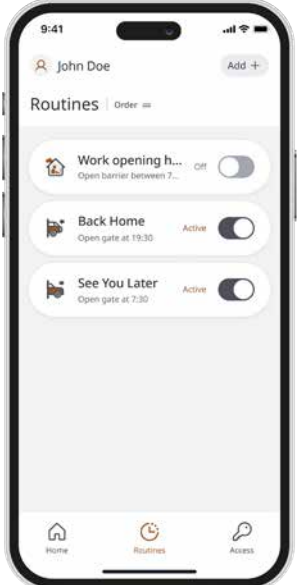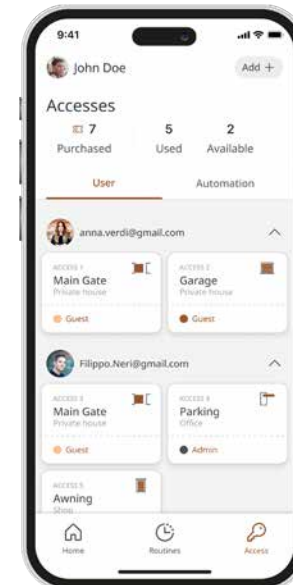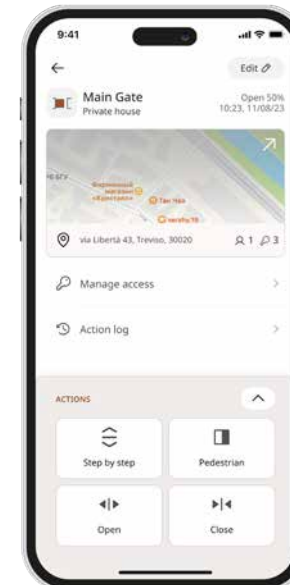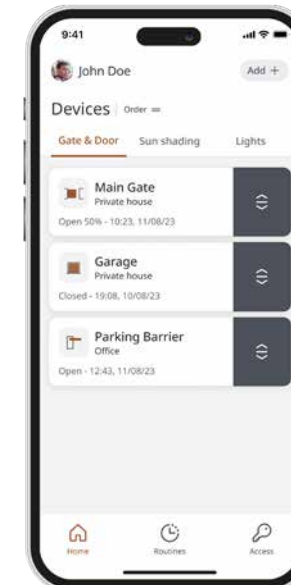
Personal pass

**Serialized precision
for unparalleled control.**
A streamlined system for managing complex operations through serialized remote controls, receivers, decoders, and keys. Integrated software provides user-specific management with unique codes, ensuring rapid installation and enhanced security.

Exclusive installer protection

Thanks to the contract code assigned to him, no one else can operate on the system, supply spare parts or make changes. Moreover Personal Pass considerably simplifies and speeds up not only the installation procedures, but also the maintenance of the system itself.

Enhanced user privacy and control

Each transmitter is uniquely assigned, granting exclusive access to both private and shared areas. This robust security protocol, established at the installation phase, safeguards user identity and prevents unauthorized access.

Protection for the user

Each four-channel remote control can execute up to fourteen functions by combining key pressures. Additionally, the system offers flexible programming options to customize each key's operation.

Simplified management

The installer can create his own database, managing with ease even large systems. With the simple use of the PC and the special WINPPCL software he can create an archive of information, delete or add users to the database, cancel a code and replace it in case of loss of the remote control, plan maintenance in the best possible way.

Technical support

Able provides unparalleled assistance throughout your automation journey, from product selection to expert installation. Our global network ensures local support, readily available through various channels. Dedicated technicians offer expert guidance, ensuring optimal system performance and customer satisfaction. With a strong emphasis on training, we maintain the highest service standards.
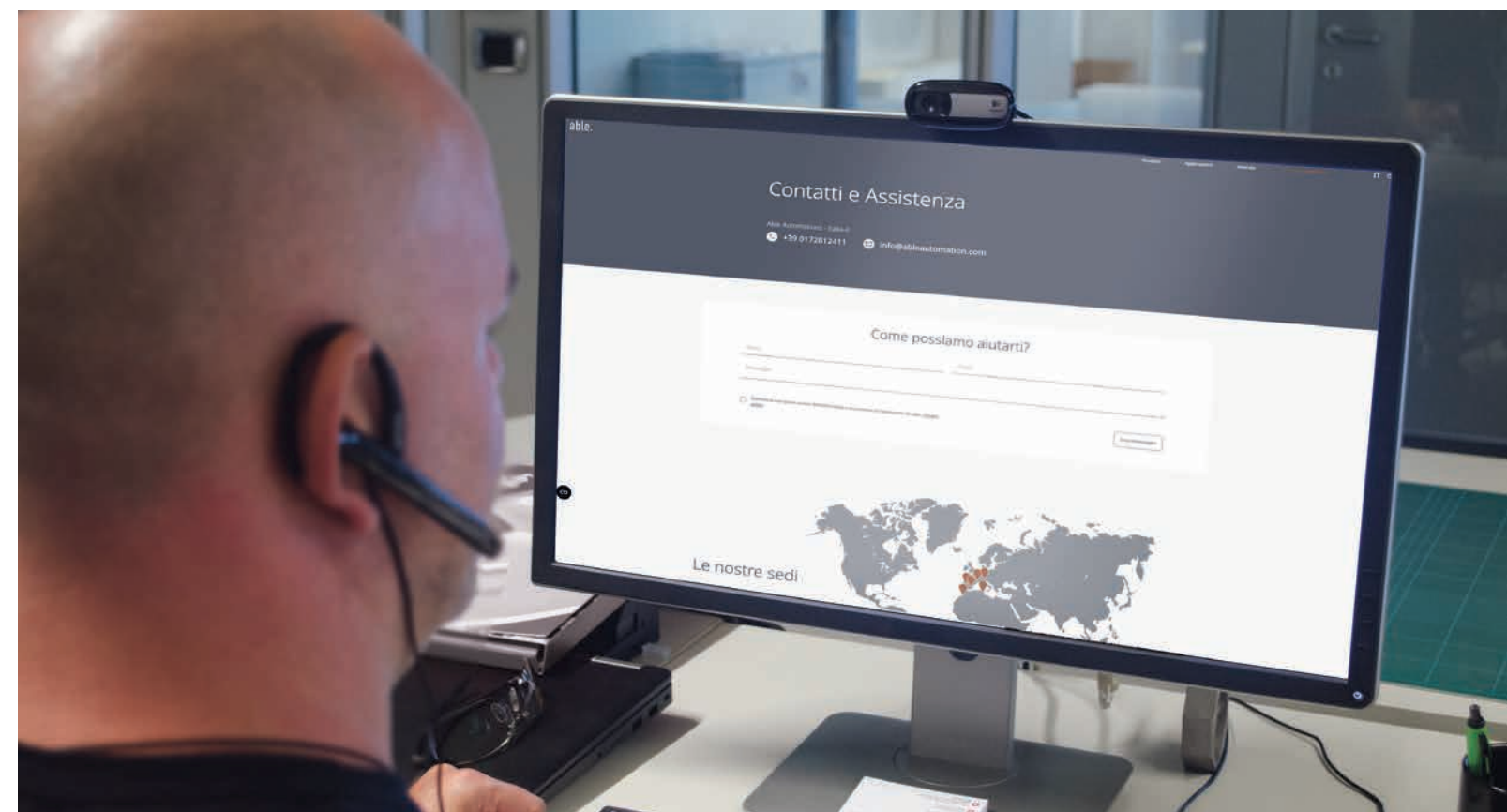
Motors
for sliding
gates

Motors for sliding gates

Choice guide

Residential use

For gates up to 1500 kg installed in family houses and small buildings. Standby ecodesign regulation compliant.

24V	up to **400 kg**	SL SMALL 400 24	p. 20
	up to **600 kg**	SL SMALL 600 24	p. 20
	up to **1000 kg**	SL MEDIUM 1000 24	p. 22

230V	up to **600 kg**	SL SMALL 600 230	p. 20
	up to **800 kg**	SL SMALL 800 230	p. 20
	up to **1200 kg**	SL MEDIUM 1200 230	p. 22
	up to **1500 kg**	SL MEDIUM 1500I	p. 22

Industrial use

For intensively used gates up to 4000 kg, installed in companies and industrial buildings.

230V	up to **2200 kg**	SL LARGE 2200 230	p. 24
	up to **2500 kg**	SL LARGE 2500I	p. 24
	up to **4000 kg**	SL XL 4000I	p. 26

Components

1	Actuator	pp. 20-27
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Receiving module	p. 102

Additional accessories

A	Digital or key switch	p. 121
B	Pillar photocells	p. 109
C	Safety edges	p. 109
D	Solar system (only for 24V actuators)	p. 110
E	WES receiver	p. 102
F	WES transmitters	p. 102

SL Small

Irreversible electromechanical rack actuator motor reducer for sliding gates weighing up to 800 kg.
Available in two versions: 24V and 230V

EPD®

LOW POWER CONSUMPTION

- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Self-learning of opening and closing times
- Synchronized motor operation via AX SYNCRO module
- Magnetic limit switch
- Programming via 3 buttons and display
- Radio receiver plug-in connector
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output
- ADI connector for optional modules
- Slow start (programmable start ramp)
- Compliant with EU 2023/826 standby ecodesign regulation
- Auxiliary output always on for activators
- Stainless lock with secured mechanism
- Up to 90% reduced electricity consumption
- Adapter plates for replacing similar products
- Obstacle detection

Technical features

24V versions
- Certified with EPD according to ISO 14025
- Dedicated compartment for the backup battery
- Solar energy operation using the K ECO-24 system
- Programmable accelerations and decelerations
- Operation in the event of a blackout using the buffer battery

329
217 182
90
296
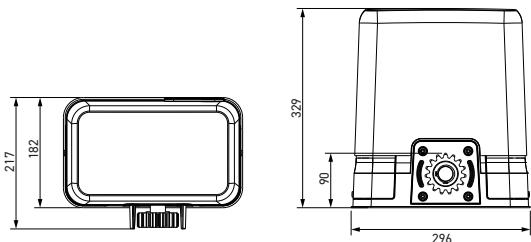
Product data	24V | 400 kg	24V | 600 kg	230V | 600 kg	230V | 800 kg
Model	SL SMALL 400 24	SL SMALL 600 24	SL SMALL 600 230	SL SMALL 800 230
Code	23Y001	23Y003	23Y002	23Y004
Weight (kg)	11	11	12	12
Maximum gate weight (kg)	400	600	600	800
Degree of protection (IP)	44	44	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60	230 - 50/60	230 - 50/60	230 - 50/60
Full load absorption (A)	1	1.5	2	2.5
Maximum load accessory output (W)	12	12	6	6
Consumption standby (W)	<0.5	<0.5	<0.5	<0.5

Mechanical data

Gate speed (m/s)	0.34	0.34	0.18	0.18
Maximum thrust (N)	400	600	600	800
Working cycle (cycles/hour on 4 m gate)	35	40	16	16
Pinion	M4-Z15	M4-Z15	M4-Z15	M4-Z15
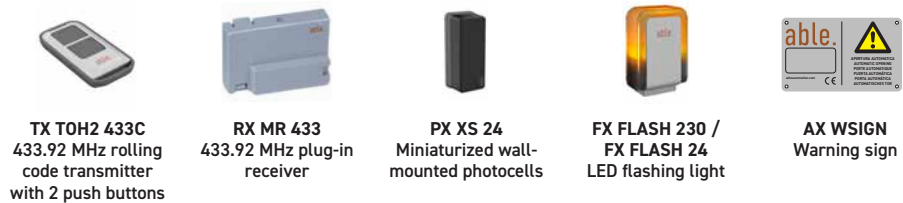
Kit model

TX TOH2 433C	RX MR 433	PX XS 24	FX FLASH 230 / FX FLASH 24	AX WSIGN
433.92 MHz rolling code transmitter with 2 push buttons	433.92 MHz plug-in receiver	Miniaturized wall-mounted photocells	LED flashing light	Warning sign

Kit light

Minimum configuration to activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	FX FLASH	16Y001
KL SL SMALL 400 24	30Y005	••	•			
KL SL SMALL 600 24	30Y007	••	•			
KL SL SMALL 600 230	30Y006	••	•			
KL SL SMALL 800 230	30Y008	••	•			

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	FX FLASH	16Y001
KF SL SMALL 400 24	30Y001	••	•	•	14Y002	•
KF SL SMALL 600 24	30Y003	••	•	•	14Y002	•
KF SL SMALL 600 230	30Y002	••	•	•	14Y001	•
KF SL SMALL 800 230	30Y004	••	•	•	14Y001	•

Radio kit

X2

X4

X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX B-PACK3
Backup battery with built-in charger
Code 16Y016

AX SYNCRO
Modules for synchronized operation
Code 16Y002

AX P-RACK M4
1 m plastic rack M4 module
Code 162313

AX S-RACK M4
1 m steel rack M4 module 30x12 mm - with fixing kit
Code 162322

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Motors for sliding gates

SL Medium

Irreversible electromechanical rack actuator motor reducer for sliding gates weighing up to 1500 kg. Available in versions 24V, 230V and 230V with inverter

- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Obstacle detection
- Self-learning of opening and closure times
- Synchronized motor operation via AX SYNCRO module
- Magnetic limit switch
- Programming via 3 buttons and display
- Modular radio receiver plug-in connector

- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety sensitive edges
- Courtesy light output
- ADI connector for optional modules
- Compliant with EU 2023/826 standby ecodesign regulation
- Auxiliary output always on for activators
- Stainless lock with secured mechanism
- Up to 90% reduced electricity consumption

Technical features

24V versions
- Certified with EPD according to ISO 14025
- Dedicated compartment for the backup battery
- Solar energy operation using the K ECO-24 system
- Programmable accelerations and decelerations
- Operation in the event of a blackout using the buffer battery

230V inverter versions
- Speed regulation
- Torque regulation
- Intensive use
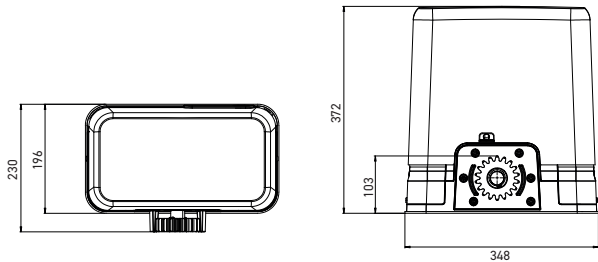
Product data

Product data	24V | 1000 kg	230V | 1200 kg	230V I | 1500 kg
Model	SL MEDIUM 1000 24	SL MEDIUM 1200 230	SL MEDIUM 1500I
Code	23Y005	23Y006	23Y007
Weight (kg)	15.5	15.5	15.5
Maximum gate weight (kg)	1000	1200	1500
Degree of protection (IP)	44	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Electrical data

Electrical data			
Supply (Vac - Hz)	230 - 50/60	230 - 50/60	230 - 50/60
Full load absorption (A)	2.6	3.2	3.5
Maximum load accessory output (W)	12	6	6
Consumption standby (W)	<0.5	<0.5	<0.5

Mechanical data

Mechanical data			
Gate speed (m/s)	0.42	0.18	0.035 - 0.35
Maximum thrust (N)	1000	1200	1400
Working cycle (cycles/hour on 4 m gate)	35	25	40
Pinion	M4-Z15	M4-Z15	M4-Z15

Kit model

	TX TOH2 433C	RX MR 433	PX XS 24	FX FLASH 230 / FX FLASH 24	AX WSIGN
	433.92 MHz rolling code transmitter with 2 push buttons	433.92 MHz plug-in receiver	Miniaturized wall-mounted photocells	LED flashing light	Warning sign

Kit light

Minimum configuration to activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	FX FLASH	16Y001
KL SL MEDIUM 1000 24	30Y013	● ●	●			
KL SL MEDIUM 1200 230	30Y014	● ●	●			
KL SL MEDIUM 1500I	30Y015	● ●	●			

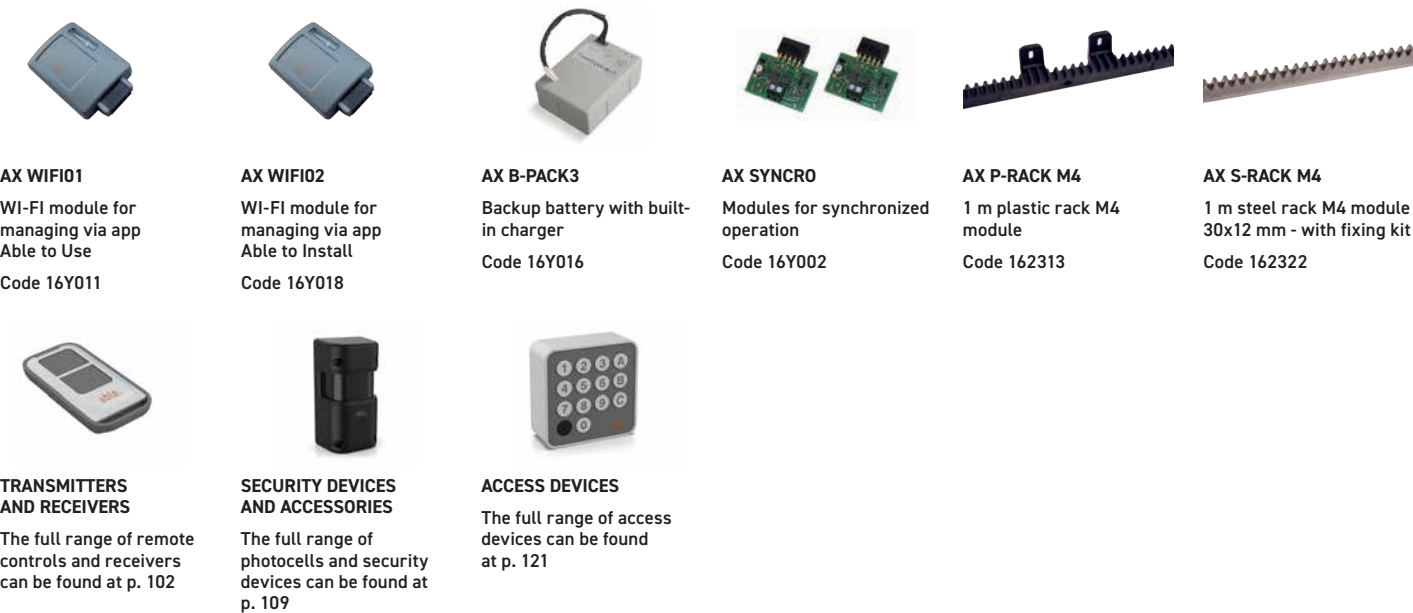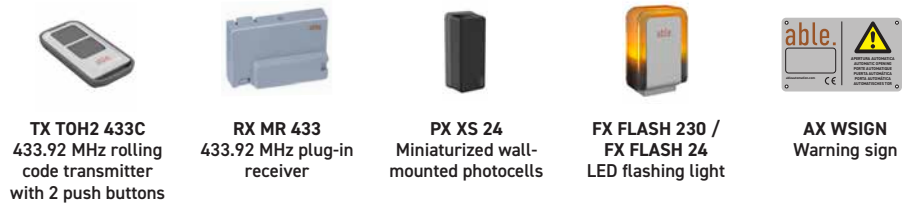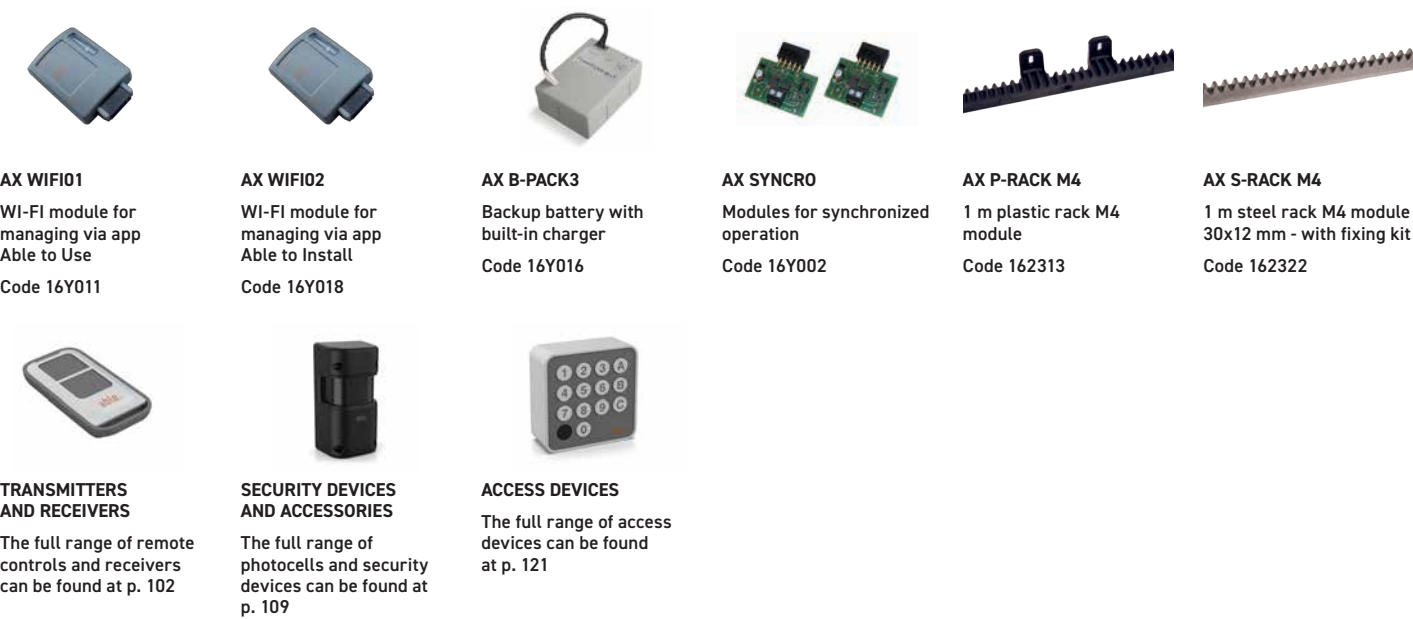## Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	FX FLASH	16Y001
KF SL MEDIUM 1000 24	30Y009	● ●	●	●	14Y002	●
KF SL MEDIUM 1200 230	30Y010	● ●	●	●	14Y001	●
KF SL MEDIUM 1500I	30Y011	● ●	●	●	14Y001	●

Radio kit

X2	X4	X4
KL RX MR 2 433	**KL RX MR 4 433**	**KL RX WAL 4 433**
Kit radio plugin with two remotes 433 MHz	Kit radio plugin with four remotes 433 MHz	Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y001	Code 28Y002	Code 28Y003

Accessories

AX WIFI01	AX WIFI02	AX B-PACK3	AX SYNCRO	AX P-RACK M4	AX S-RACK M4
WI-FI module for managing via app Able to Use	WI-FI module for managing via app Able to Install	Backup battery with built-in charger	Modules for synchronized operation	1 m plastic rack M4 module	1 m steel rack M4 module 30x12 mm - with fixing kit
Code 16Y011	Code 16Y018	Code 16Y016	Code 16Y002	Code 162313	Code 162322

TRANSMITTERS AND RECEIVERS

The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121
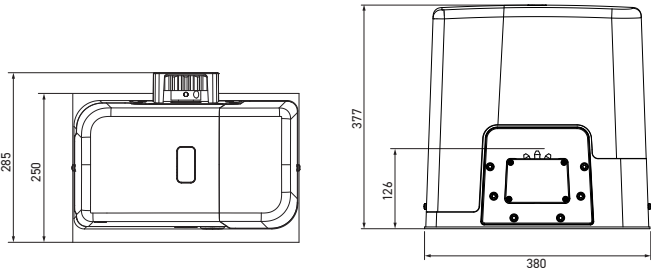
able.

SL Large

Irreversible electromechanical rack actuator motor reducer for sliding gates weighing up to 2500 kg.
Available in two versions: 230V and 230V with inverter

- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Obstacle detection
- Self-learning of opening and closure times
- Synchronized motor operation via AX SYNCRO module
- Magnetic limit switch
- Modular radio receiver plug-in connector

- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety sensitive edges
- Courtesy light output
- ADI connector for optional modules
- Slow start (programmable start ramp)

Radio kit

X2

KL RX MR 2 433

Kit radio plugin with two remotes 433 MHz

Code 28Y001

X4

KL RX MR 4 433

Kit radio plugin with four remotes 433 MHz

Code 28Y002

X4

KL RX WAL 4 433

Kit radio external with 2 channel receiver and four remotes 433 MHz

Code 28Y003

Accessories

AX WIFI01

WI-FI module for managing via app Able to Use

Code 16Y011

AX WIFI02

WI-FI module for managing via app Able to Install
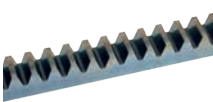
Code 16Y018

AX SYNCRO

Modules for synchronized operation

Code 16Y002

AX S-RACK M4

1 m steel rack M4 module 30x12 mm - with fixing kit

Code 162322

AX S-RACK01 M4

1 m steel rack M4 module 22x22 mm

Code 162324

AX S-RACK01 M6

1 m steel rack M6 module 30x30 mm

Code 162323

AX M6 PINION

M6 pinion for 162323 rack

Code MM017B

TRANSMITTERS AND RECEIVERS

The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Technical features

230V inverter versions
- Speed regulation
- Torque regulation
- Intensive use

Product data	230V | 2200 kg	230V I | 2500 kg
Model	**SL LARGE 2200 230**	**SL LARGE 2500I**
Code	23Y009	23Y010
Weight (kg)	18	19
Maximum gate weight (kg)	2200	2500
Degree of protection (IP)	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data		
Supply (Vac - Hz)	230 - 50/60	230 - 50/60
Full load absorption (A)	4	3.7
Maximum load accessory output (W)	10	10

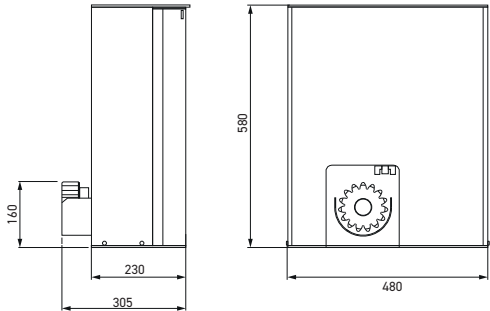| Mechanical data		
Gate speed (m/s)	0.16	0.035 - 0.35
Maximum thrust (N)	1550	1660
Working cycle (cycles/hour on 4 m gate)	25	40 (0.18 cm/s)
Pinion	M4-Z18	M4-Z18

able.

SL Extra Large

Irreversible electromechanical rack actuator motor reducer for industrial sliding gates weighing up to 4000 kg with Inverter

- Intensive operation even with large gates
- Obstacle detection
- Self-learning of opening and closure times
- Synchronized motor operation via AX SYNCRO module
- Possibility to adjust the gear motor torque
- Industrial electromechanical limit switch and M6 pinion
- Plug-in adaptor for modular radio receiver
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges

- ADI connector for optional modules
- Three-phase motor with inverter with 230V control unit
- Programmable acceleration and deceleration
- Adjustable stroke and slowing speed
- Dynamic management of the torque during all phases of the opening / closing cycle

Radio kit

KL RX MR 2 433

Kit radio plugin with two remotes 433 MHz

Code 28Y001

KL RX MR 4 433

Kit radio plugin with four remotes 433 MHz

Code 28Y002

KL RX WAL 4 433

Kit radio external with 2 channel receiver and four remotes 433 MHz
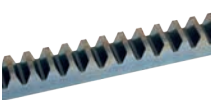
Code 28Y003

Accessories

AX WIFI01

WI-FI module for managing via app Able to Use

Code 16Y011

AX WIFI02

WI-FI module for managing via app Able to Install

Code 16Y018

AX SYNCRO

Modules for synchronized operation

Code 16Y002

AX S-RACK01 M6

1 m steel rack M6 module 30x30 mm

Code 162323

TRANSMITTERS AND RECEIVERS

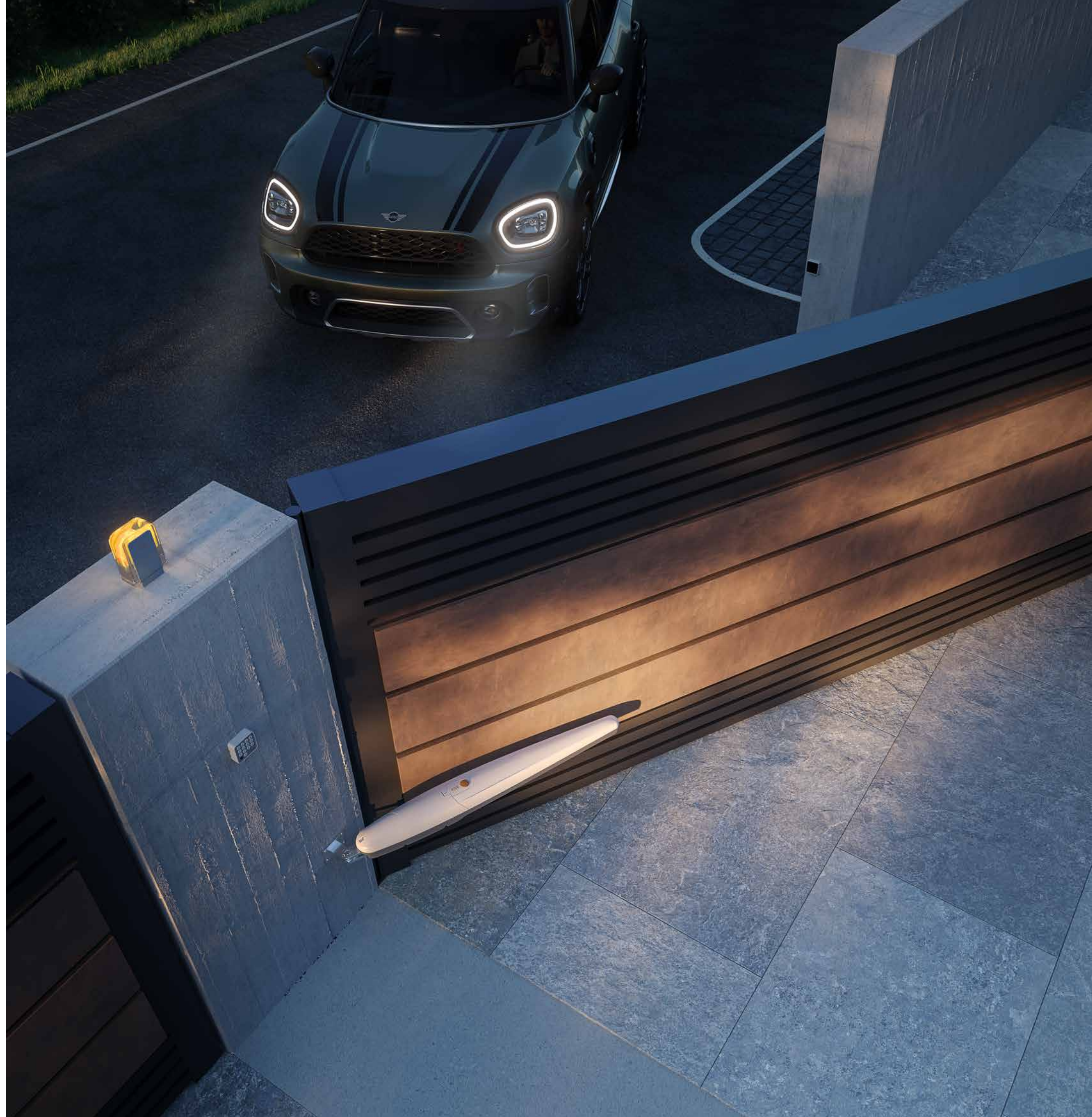The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

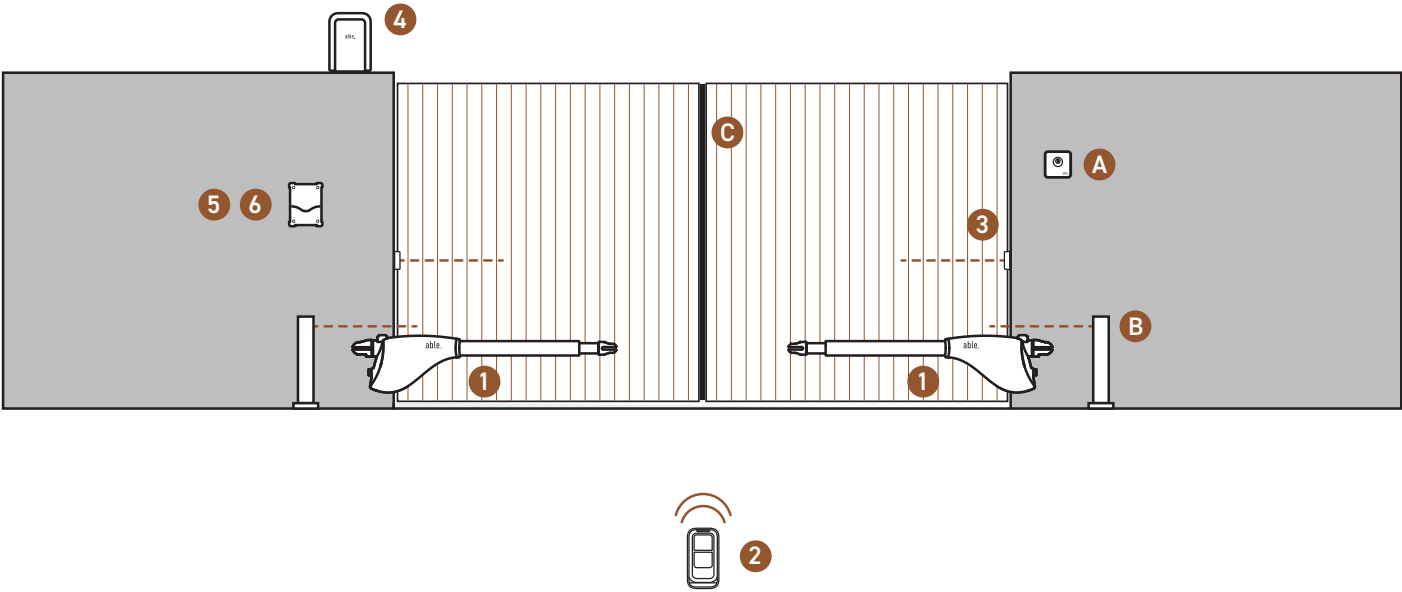The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Technical features

Product data

	230V	4000 kg
Model	**SL XL 4000I**
Code	23Y011
Weight (kg)	60
Maximum gate weight (kg)	4000
Degree of protection (IP)	55
Operating temperature (°C)	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60
Full load absorption (A)	5
Maximum load accessory output (W)	15
Consumption standby (W)	<0.5

Mechanical data

Gate speed (m/s)	0.016 - 0.32
Maximum thrust (N)	3200
Working cycle (cycles/hour on 10 m gate)	14 (16 cm/s)
Pinion	M6-Z18

Motors for swing gates

Telescopic motors for swing gates

Choice guide

Residential use

For leaves up to 4 m with a maximum weight of 500 kg, Standby ecodesign regulation compliant.

230V	up to **2.5 m**	TL SMALL 400 230	p. 32
	up to **3 m**	TL MEDIUM 500 230	p. 34
	up to **4 m**	TL MEDIUM 600 230	p. 34

Components

1	Actuator	pp. 32-35
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Control unit	p. 90
6	Receiving module	p. 102

Additional accessories

|		
A	Digital or key switch	p. 121
B	Pillar photocells	p. 109
C	Safety edges	p. 109

TL Small

Irreversible electromechanical actuator with telescopic arm for swing gates with leaves up to 2.5 m in length

- Single version for both right and left leaves
- Practical release system, easy single-handed operation
- Anti-wear gears for a very high resistance motor
- Protected power cable position

Technical features

LEAF WEIGHT (kg) vs LEAF LENGTH (m)
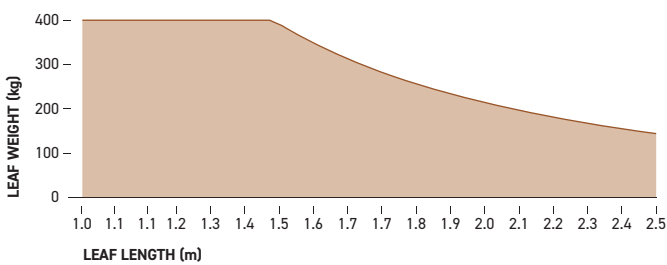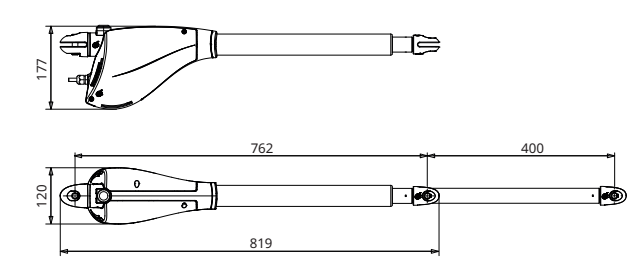
Product data

Model	230V	2.5 m
Model	TL SMALL 400 230
Code	22Y005
Weight (kg)	6.5
Maximum leaf weight (kg)	400
Degree of protection (IP)	44
Operating temperature (°C)	-30 ÷ +50

Electrical data

Supply (Vac - Hz)	230 - 50
Full load absorption (A)	1.2
Maximum electric power (W)	250

Mechanical data

Operating speed (m/s)	0.016
Maximum thrust (N)	2300
Working cycle (cycles/hour)	22
Maximum travel (mm)	400

Kit model

	CX EVO1 / CX FLEXY 433 Universal digital or smart control unit for 230V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	RX MR 433 433.92 MHz plug-in receiver	PX XS 24 Miniaturized wall-mounted photocells	FX FLASH 230 / FX FLASH 24 LED flashing light	AX WSIGN Warning sign

Kit light

Minimum configuration to activate gate with remote control	KIT CODE	12Y001/ 12Y003	10Y001	11Y001	13Y002	FX FLASH	16Y001
KL TL SMALL 400 230E (digital)	29Y007	CX EVO1	• •	•			
KL TL SMALL 400 230F (smart)	29Y008	CX FLEXY 433	• •	•			

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	12Y001/ 12Y003	10Y001	11Y001	13Y002	FX FLASH	16Y001
KF TL SMALL 400 230E (digital)	29Y005	CX EVO1	• •	•	•	14Y001	•
KF TL SMALL 400 230F (smart)	29Y006	CX FLEXY 433	• •		•	14Y002	•

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX FIX-BRACK01
Fixing bracket
Code 162237

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
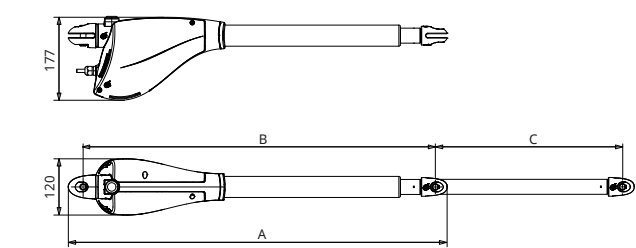The full range of access devices can be found at p. 121

TL Medium

Irreversible electromechanical actuator with telescopic arm for swing gates with leaves up to 4 m in length

- Single version for both right and left leaves
- Practical release system, easy single-handed operation
- Anti-wear gears for a very high resistance motor
- Protected power cable position

Control units to be used

CX EVO1

Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V

Code 12Y001

CX FLEXY 433

Smart control unit for 230V motors

Code 12Y003

Accessories

AX FIX-BRACK01

Fixing bracket

Code 162237

AX VER-LOCK01

Vertical electric-lock 12V

Code 162912

AX HOR-LOCK01

Horizontal electric-lock 12V

Code 162913

TRANSMITTERS AND RECEIVERS

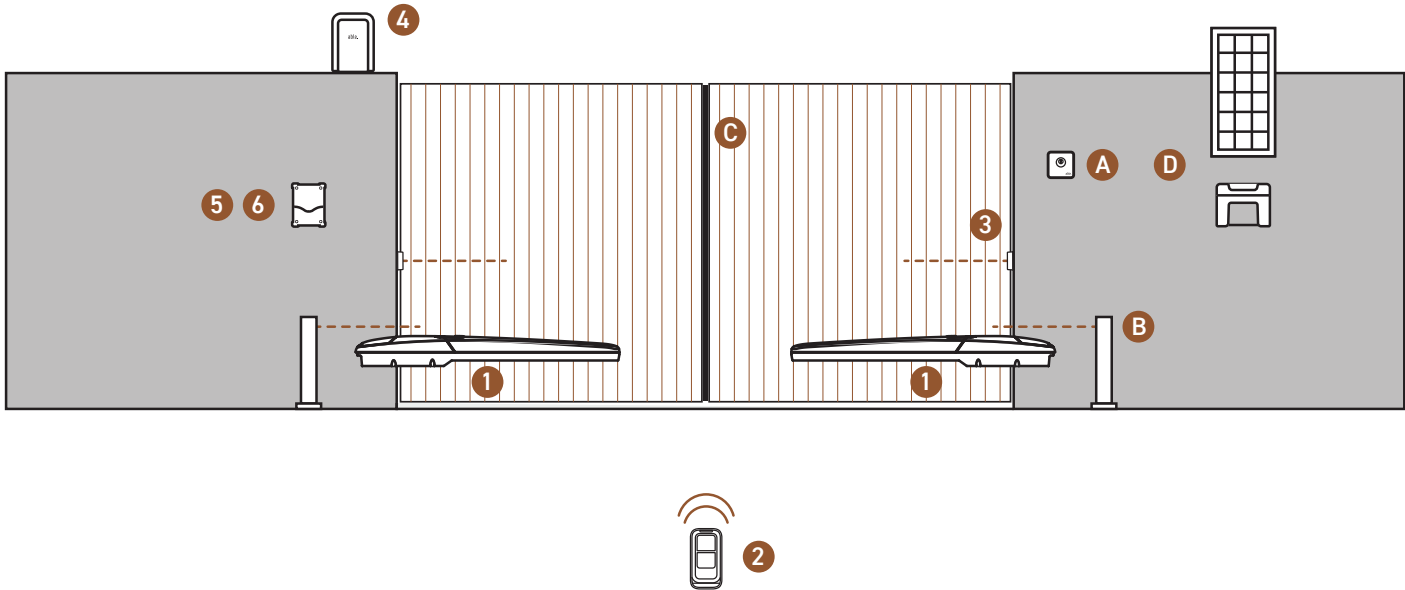The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Technical features

TL MEDIUM 500 230 **TL MEDIUM 600 230**

	TL MEDIUM 500 230	TL MEDIUM 600 230
A	944	1044
B	887	987
C	500	600

LEAF WEIGHT (kg) / LEAF LENGTH (m)
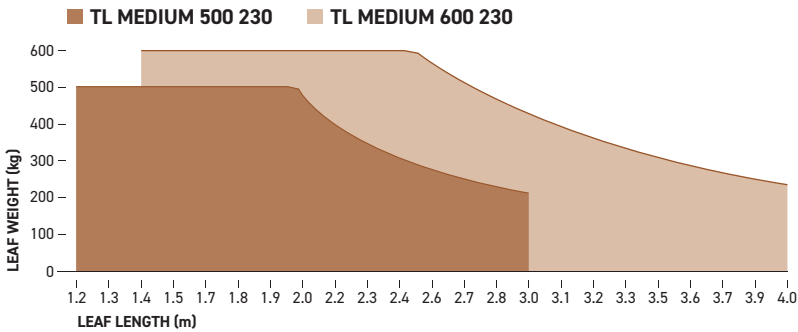
Product data

Model	230V | 3 m	230V | 4 m
	TL MEDIUM 500 230	TL MEDIUM 600 230
Code	22Y006	22Y007
Weight (kg)	6.8	6.8
Maximum leaf weight (kg)	500	600
Degree of protection (IP)	44	44
Operating temperature (°C)	-30 ÷ +50	-30 ÷ +50

Electrical data

Supply (Vac - Hz)	230 - 50	230 - 50
Full load absorption (A)	1.2	1.2
Maximum electric power (W)	250	250

Mechanical data

Operating speed (m/s)	0.016	0.016
Maximum thrust (N)	2300	2300
Working cycle (cycles/hour)	17	15
Maximum travel (mm)	500	600

Linear and hydraulic motors for swing gates

Choice guide

Electromechanical

Irreversible electromechanical actuator for swing gates with leaves up to 6 m.

| 230V | up to **3 m** | LN MEDIUM 3000 230 | p. 40 |
| | up to **6 m** | LN LARGE 6000 230 | p. 42 |

24V	up to **2 m**	LN SMALL 2000 24	p. 38
	up to **3 m**	LN MEDIUM 3000 24	p. 40
	up to **6 m**	LN LARGE 6000 24	p. 42

Hydraulic

230V hydraulic actuator, irreversible or reversible, for swing gates with leaves up to 6 m.

| irreversible | up to **4 m** | HY MEDIUM 4000 230I | p. 44 |
| | up to **6 m** | HY LARGE 6000 230I | p. 46 |

| reversible | up to **4 m** | HY MEDIUM 4000 230R | p. 44 |
| | up to **6 m** | HY LARGE 6000 230R | p. 46 |

Components

1	Actuator	pp. 38-47
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Control unit	p. 90
6	Receiving module	p. 102

Additional accessories

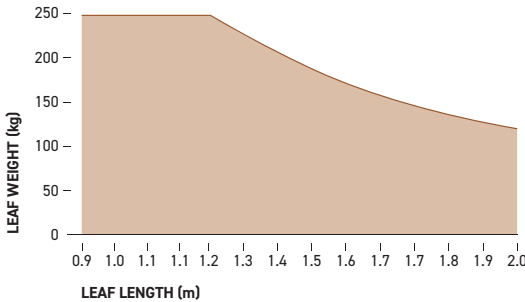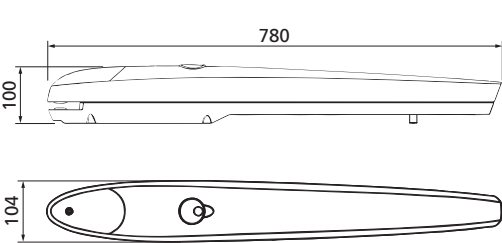| A | Digital or key switch | p. 121 |
B	Pillar photocells	p. 109
C	Safety edges	p. 109
D	Solar system (only for 24V actuators)	p. 110

LN Small

24V irreversible electromechanical actuator for swing gates with leaves up to 2 m in length

- Equipped with opening mechanical limit stop
- Mechanical closing stop available as an accessory
- Single version for both right and left leaves
- Adjustable fixing brackets to speed up engine installation
- Aluminum frame
- Easy release system
- Practical access to compartment of accessories

Technical features

780
100
104

LEAF WEIGHT (kg) / LEAF LENGTH (m)

250 200 150 100 50 0

0.9 1.0 1.1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.7 1.8 1.9 2.0

Product data

	24V | 2 m
Model	LN SMALL 2000 24
Code	22Y025
Weight (kg)	6
Maximum leaf weight (kg)	250
Degree of protection (IP)	44
Operating temperature (°C)	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	24
Full load absorption (A)	4
Maximum electric power (W)	85

Mechanical data

Operating speed (m/s)	0.016
Maximum thrust (N)	1500
Working cycle (cycles/hour)	40
Maximum travel (mm)	320

Kit model

	CX EVO2 Universal digital control unit for 24V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	RX MR 433 433.92 MHz plug-in receiver	PX XS 24 Miniaturized wall-mounted photocells	FX FLASH 24 LED flashing light	AX WSIGN Warning sign

Kit light

Minimum configuration to activate gate with remote control	KIT CODE	12Y002	10Y001	11Y001	13Y002	14Y002	16Y001
KL LN SMALL 2000 24E	29Y021	●	● ●	●			

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	12Y002	10Y001	11Y001	13Y002	14Y002	16Y001
KF LN SMALL 2000 24E	29Y022	●	● ●	●	●	●	●

Control units to be used

CX EVO2

Universal digital control unit for swing or sliding gates - Output for 2 motors - 24V

Code 12Y002

Accessories

AX LN S-STOP
Adjustable mechanical stop (pack of 2 pcs.)
Code 162268

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121
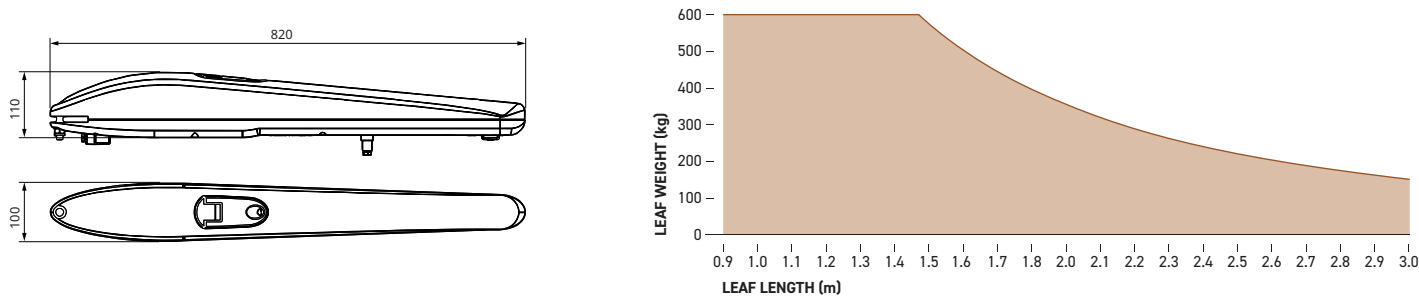
Motors for swing gates

LN Medium

Irreversible electromechanical actuator for swing gates with leaves up to 3 m in length. Available in two versions: 24V and 230V

- Equipped with opening mechanical limit stop
- Mechanical closing stop accessory
- Single version for both right and left leaves
- Adjustable brackets for quick engine installation
- Aluminum frame
- Unlocking handle with protected lock
- Plug-in connector for electrical connections

LOW POWER CONSUMPTION

Motors for swing gates

Technical features

820

110

100

LEAF WEIGHT (kg) / **LEAF LENGTH (m)**

600 / 500 / 400 / 300 / 200 / 100 / 0

0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0

Product data

	24V | 3 m	230V | 3 m
Model	LN MEDIUM 3000 24	LN MEDIUM 3000 230
Code	22Y008	22Y009
Weight (kg)	7	8
Maximum leaf weight (kg)	600	600
Degree of protection (IP)	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	24 Vdc	230 - 50
Full load absorption (A)	5	1.6
Maximum electric power (W)	120	200

Mechanical data

Operating speed (m/s)	0.016	0.016
Maximum thrust (N)	2000	2000
Working cycle (cycles/hour)	58	24
Maximum travel (mm)	360	360

Kit model

	CX EVO1 / CX EVO2 Universal digital control unit for 230V / 24V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	RX MR 433 433.92 MHz plug-in receiver	PX XS 24 Miniaturized wall-mounted photocells	FX FLASH 230 / FX FLASH 24 LED flashing light	AX WSIGN Warning sign

Kit light

Minimum configuration to activate gate with remote control

KIT CODE	12Y001 / 12Y002	10Y001	11Y001	13Y002	FX FLASH	16Y001
KL LN MEDIUM 3000 24E	29Y010	CX EVO2	● ●	●			
KL LN MEDIUM 3000 230E	29Y012	CX EVO1	● ●	●			

Kit full

Optimal configuration to safely activate gate with remote control

KIT CODE	12Y001 / 12Y002	10Y001	11Y001	13Y002	FX FLASH	16Y001
KF LN MEDIUM 3000 24E	29Y009	CX EVO2	● ●	●	●	14Y002	●
KF LN MEDIUM 3000 230E	29Y011	CX EVO1	● ●	●	●	14Y001	●

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX EVO2
Universal digital control unit for swing or sliding gates - Output for 2 motors - 24V
Code 12Y002

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX LN M-STOP
Adjustable mechanical stop (pack of 2 pcs.)
Code 162258

AX R-BRK01
2 pieces of rear fixing bracket shielded - horizontal
Code 162299

AX R-BRK02
2 pieces of rear fixing bracket shielded - vertical
Code 162256

AX F-BRK01
2 pieces of front fixing bracket shielded - horizontal
Code 162257

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
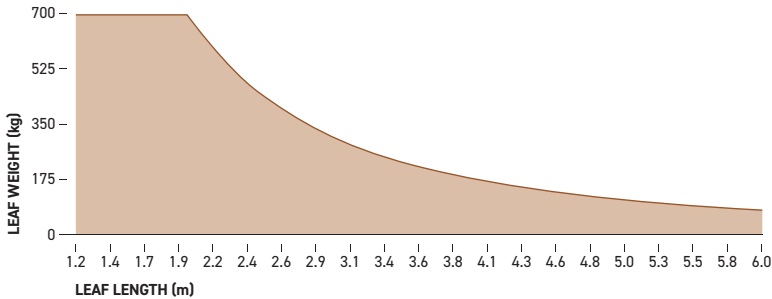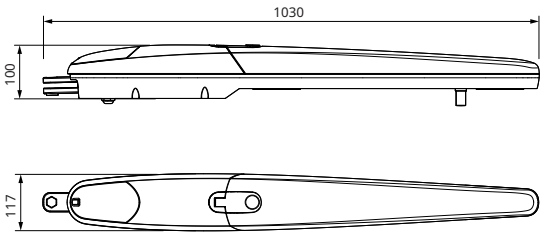The full range of access devices can be found at p. 121

LN Large

Irreversible electromechanical actuator for swing gates with leaves up to 6 m in length. Available in two versions: 24V and 230V

- Equipped with mechanical opening and closing stop
- Sturdy mechanical transmission in steel and bronze for maximum durability and reliability
- Aluminum release handle with personalized key
- Large connection compartment located at the top of the engine

Control units to be used

CX EVO1

Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V

Code 12Y001

CX EVO2

Universal digital control unit for swing or sliding gates - Output for 2 motors - 24V

Code 12Y002

CX FLEXY 433

Smart control unit for 230V motors

Code 12Y003

Accessories

AX VER-LOCK01

Vertical electric-lock 12V

Code 162912

AX HOR-LOCK01

Horizontal electric-lock 12V

Code 162913

TRANSMITTERS AND RECEIVERS

The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Technical features

Product data	24V | 6 m	230V | 6 m
Model	**LN LARGE 6000 24**	**LN LARGE 6000 230**
Code	22Y010	22Y011
Weight (kg)	9	10
Maximum leaf weight (kg)	750	750
Degree of protection (IP)	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data		
Supply (Vac - Hz)	24 Vdc	230 - 50
Full load absorption (A)	7	1.2
Maximum electric power (W)	170	240

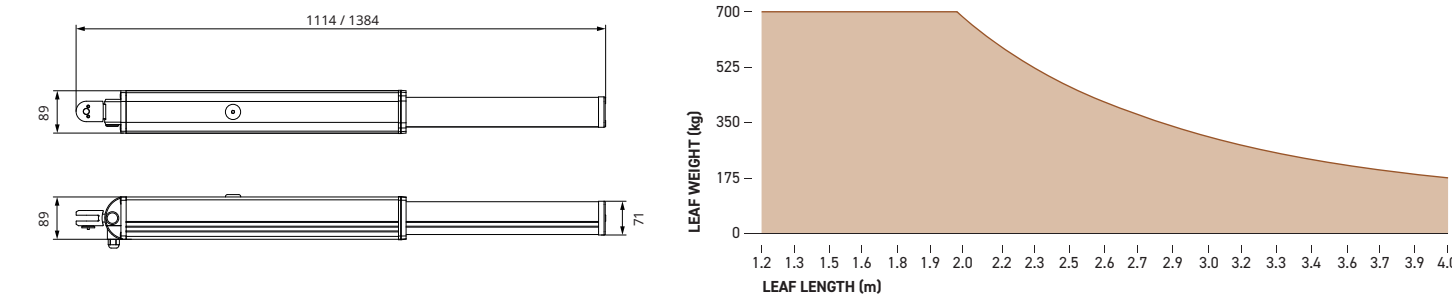| Mechanical data		
Operating speed (m/s)	0.016	0.016
Maximum thrust (N)	2400	2000
Working cycle (cycles/hour)	32	14
Maximum travel (mm)	540	540

HY Medium

Hydraulic actuator for swing gates with leaves up to 4 m in length

- Ideal for intensive use
- Single version for right and left leaf
- Opening and closing lock
- Closure mechanic shock absorber
- Adjustment via adjustable valves for both push and pull
- Reversible or irreversible version

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Technical features

1114 / 1384

89

89   71

LEAF WEIGHT (kg) — 700, 525, 350, 175, 0
LEAF LENGTH (m) — 1.2 1.3 1.5 1.6 1.8 1.9 2.0 2.2 2.3 2.5 2.6 2.7 2.9 3.0 3.2 3.3 3.4 3.6 3.7 3.9 4.0

Product data	230V | 4 m	230V | 4 m
Model	**HY MEDIUM 4000 230I**	**HY MEDIUM 4000 230R**
Code	22Y015	22Y016
Weight (kg)	9.5	9.5
Maximum leaf weight (kg)	700	700
Degree of protection (IP)	65	65
Operating temperature (°C)	-10 ÷ +60	-10 ÷ +60

Electrical data		
Supply (Vac - Hz)	230 - 50	230 - 50
Full load absorption (A)	1	1
Maximum electric power (W)	230	230

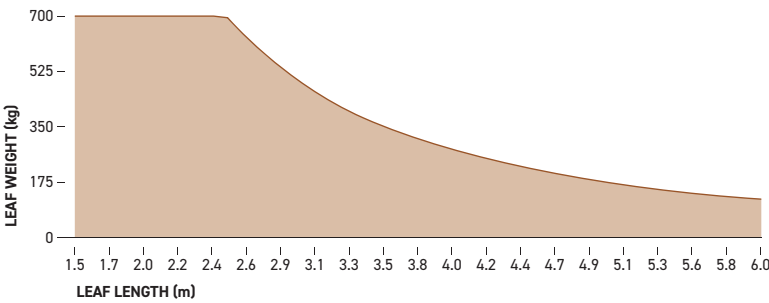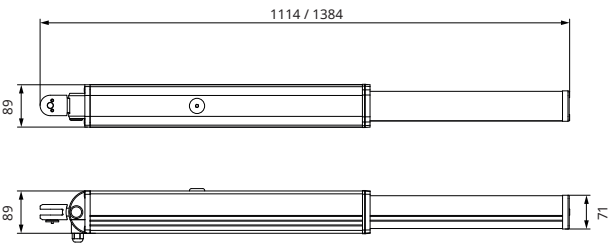| Mechanical data		
Operating speed (m/s)	0.01	0.01
Maximum thrust (N)	7000	7000
Working cycle (cycles/hour)	continuous	continuous
Maximum travel (mm)	265	265

HY Large

Hydraulic actuator for swing gates
with leaves up to 6 m in length

· Ideal for intensive use
· Single version for right and left leaf
· Opening and closing lock
· Closure mechanic shock absorber
· Adjustment via adjustable valves for both push and pull
· Reversible or irreversible version

Technical features

```
1114 / 1384
89

89                                    71
```

LEAF WEIGHT (kg)

| 700 |
| 525 |
| 350 |
| 175 |
| 0 |

1.5 1.7 2.0 2.2 2.4 2.6 2.9 3.1 3.3 3.5 3.8 4.0 4.2 4.4 4.7 4.9 5.1 5.3 5.6 5.8 6.0

LEAF LENGTH (m)

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
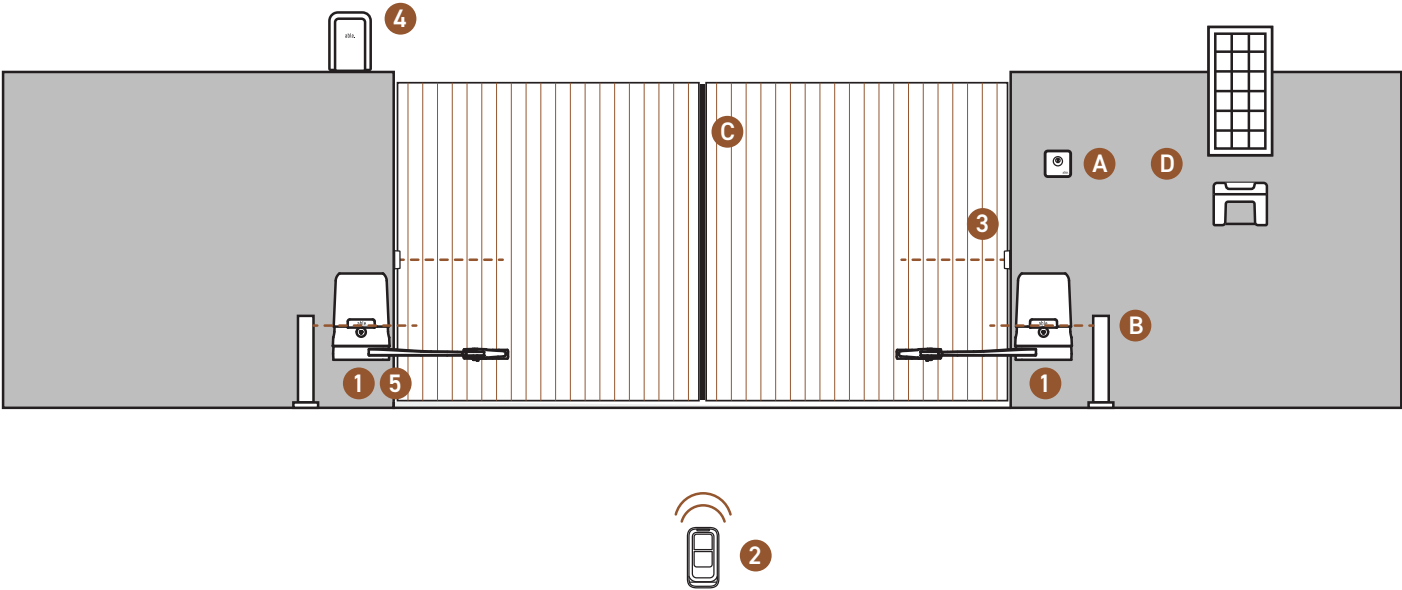The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Product data	230V | 6 m	230V | 6 m
Model	HY LARGE 6000 230I	HY LARGE 6000 230R
Code	22Y017	22Y018
Weight (kg)	11	11
Maximum leaf weight (kg)	700	700
Degree of protection (IP)	65	65
Operating temperature (°C)	-10 ÷ +60	-10 ÷ +60

Electrical data		
Supply (Vac - Hz)	230 - 50	230 - 50
Full load absorption (A)	1	1
Maximum electric power (W)	230	230

Mechanical data		
Operating speed (m/s)	0.01	0.01
Maximum thrust (N)	7000	7000
Working cycle (cycles/hour)	continuous	continuous
Maximum travel (mm)	400	400

Articulated arm actuator for swing gates

Choice guide

Residential use

For swing gates with leaves up to 2.5 m. Easy installation on pillars of medium or big size. Standby ecodesign regulation compliant.

master
- up to **2 m** — AR SMALL 2000 24M — p. 50
- up to **2.5 m** — AR MEDIUM 2500 24M — p. 52

slave
- up to **2 m** — AR SMALL 2000 24S — p. 50
- up to **2.5 m** — AR MEDIUM 2500 24S — p. 52
- up to **3 m** — AR MEDIUM 3000 24 / AR MEDIUM 3000 230 — p. 54

Components

1	Actuator	pp. 50-55
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Receiving module	p. 102

Additional accessories

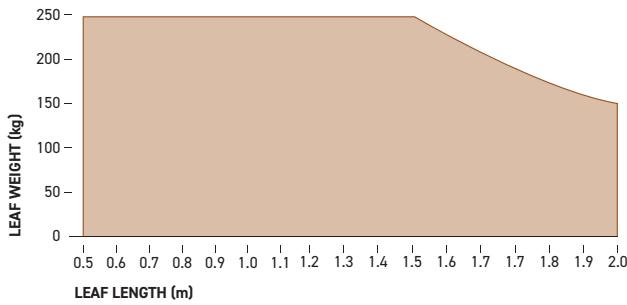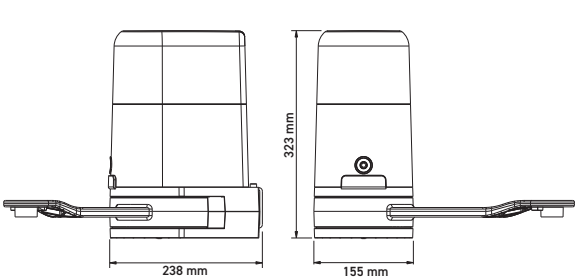|		
A	Digital or key switch	p. 121
B	Pillar photocells	p. 109
C	Safety edges	p. 109
D	Solar system (only for 24V actuators)	p. 110

AR Small

24V electromechanical articulated arm actuator
for swing gates with leaves up to 2 m

- Easy installation on pillars of medium or big dimensions
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using backup battery
- Operation with solar power system
- Programming with 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- 2 inputs for photocells with self-test function

- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Operational cycle counter with programmable maintenance reminders
- Wi-Fi module for motor control via app
- Auxiliary output always on for activators
- Compliant with new standby ecodesign regulation EU 2023/826

Technical features

238 mm | 155 mm | 323 mm

LEAF WEIGHT (kg) vs LEAF LENGTH (m)

Product data

Model	24V | 2 m | MASTER	24V | 2 m | SLAVE
	AR SMALL 2000 24M	AR SMALL 2000 24S
Code	22Y001	22Y002
Weight (kg)	6.2	6.2
Maximum leaf weight (kg)	250	250
Degree of protection (IP)	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60	230 - 50/60
Maximum electric power (W)	250	-
Consumption standby (W)	<0.5	-

Mechanical data

Gate speed (rpm)	1	1
Maximum thrust (Nm)	150	150
Working cycle (cycles/hour)	80	80

Kit model

TX TOH2 433C	RX MR 433	PX XS 24	FX FLASH 24	AX WSIGN
433.92 MHz rolling code transmitter with 2 push buttons	433.92 MHz plug-in receiver	Miniaturized wall-mounted photocells	LED flashing light	Warning sign

Kit light

	KIT CODE	10Y001	11Y001	13Y002	14Y002	16Y001
Minimum configuration to activate gate with remote control						
KL AR SMALL 2000 24	29Y003	● ●	●			

Kit full

	KIT CODE	10Y001	11Y001	13Y002	14Y002	16Y001
Optimal configuration to safely activate gate with remote control						
KF AR SMALL 2000 24	29Y001	● ●	●	●	●	●

Radio kit

X2 | X4 | X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX BAT-001
Battery pack 24V 1,6 Ah
Code 16Y008

AX B-CHARG1
Battery charger for battery pack 24V 1,6 Ah
Code 16Y009

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
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SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121
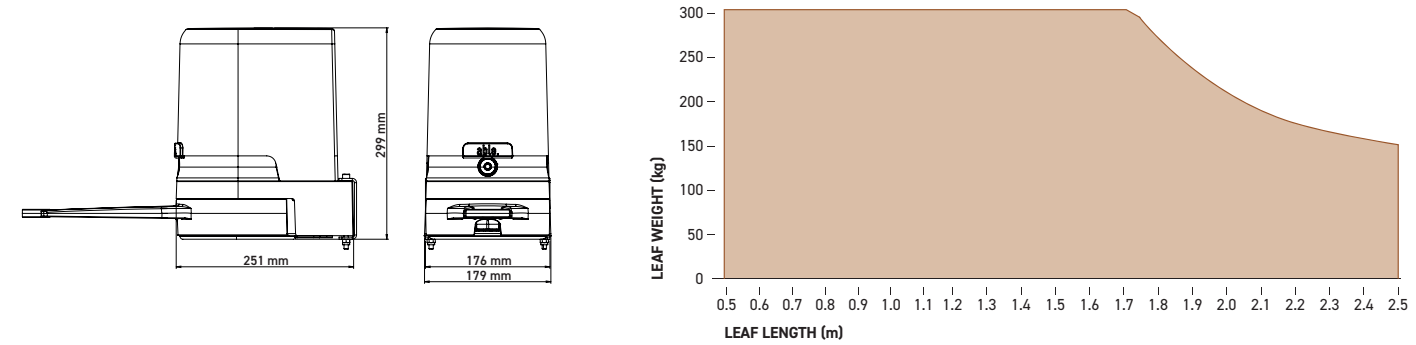
Motors for swing gates

AR Medium

24V electromechanical articulated arm actuator
for swing gates with leaves up to 2.5 m

- Easy installation on pillars of medium or big dimensions
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using backup battery
- Operation with solar power system
- Programming with 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- 2 inputs for photocells with self-test function

- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Operational cycle counter with programmable maintenance reminders
- Wi-Fi module for motor control via app
- Auxiliary output always on for activators
- Compliant with new standby ecodesign regulation EU 2023/826

Technical features

299 mm

251 mm

176 mm
179 mm

LEAF WEIGHT (kg) vs LEAF LENGTH (m)

Product data

Model	24V | 2.5 m | MASTER	24V | 2.5 m | SLAVE
	AR MEDIUM 2500 24M	AR MEDIUM 2500 24S
Code	22Y003	22Y004
Weight (kg)	9	6.5
Maximum leaf weight (kg)	300	300
Degree of protection (IP)	44	44
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60	24Vdc
Maximum electric power (W)	280	-
Consumption standby (W)	<0.5	-

Mechanical data

Gate speed (rpm)	1.6	1.6
Maximum thrust (Nm)	250	250
Working cycle (cycles/hour)	35	35

Kit model

	TX TOH2 433C	RX MR 433	PX XS 24	FX FLASH 24	AX WSIGN
	433.92 MHz rolling code transmitter with 2 push buttons	433.92 MHz plug-in receiver	Miniaturized wall-mounted photocells	LED flashing light	Warning sign

Kit light

Minimum configuration to activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	14Y002	16Y001
KL AR MEDIUM 2500 24	29Y004	● ●	●			

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	10Y001	11Y001	13Y002	14Y002	16Y001
KF AR MEDIUM 2500 24	29Y002	● ●	●	●	●	●

Radio kit

X2

X4

X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX B-PACK3
Backup battery with built-in charger
Code 16Y016

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121
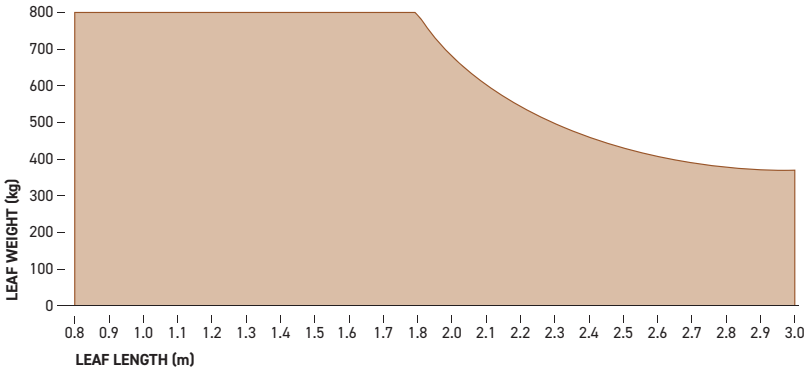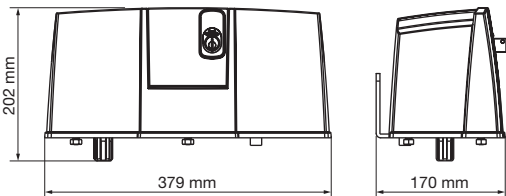
Motors for swing gates

AR Medium

Irreversible electromechanical articulated arm actuator for swing gates with leaves up to 3 m.
Available in two versions: 24V and 230V

- Single version for both right and left leaves
- 24V version for intensive use
- Internal release lever
- Integrated double electric limit switch
- Internal start capacitor
- Possibility of external release
- Anti-shearing pivoting arm
- Release compartment with customized key

Technical features

202 mm

379 mm

170 mm

LEAF WEIGHT (kg)

LEAF LENGTH (m)

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX EVO2
Universal digital control unit for swing or sliding gates - Output for 2 motors - 24V
Code 12Y002

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX UNLOCK-01
External release kit with 4 m metallic wire
Code 162219

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
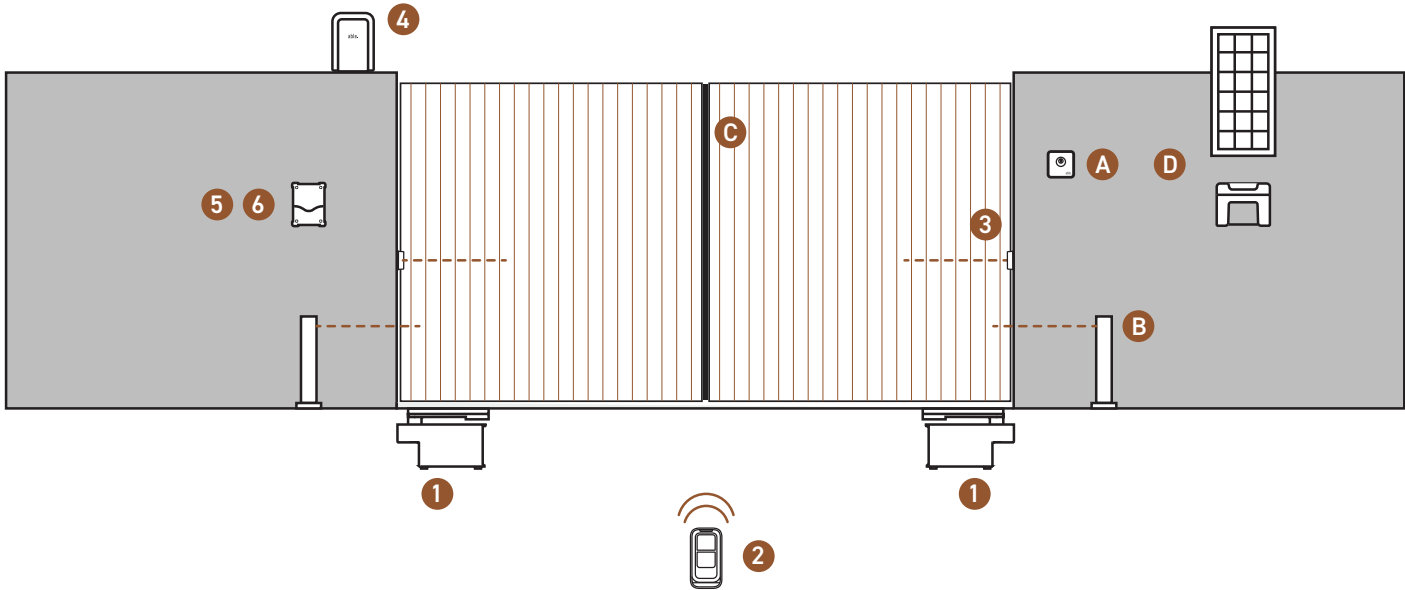The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Product data	24V | 3 m	230V | 3 m
Model	AR MEDIUM 3000 24	AR MEDIUM 3000 230
Code	22Y021	22Y020
Weight (kg)	14.6	14.6
Maximum leaf weight (kg)	800	800
Degree of protection (IP)	44	44
Operating temperature (°C)	-30 ÷ +60	-30 ÷ +60

Electrical data		
Supply (Vac - Hz)	24	230 - 50/60
Maximum electric power (W)	240	575

Mechanical data		
Gate speed (rpm)	1.4	1.6
Maximum thrust (Nm)	320	340
Working cycle (cycles/hour)	100	29

Underground motors for swing gates

Components

1	Actuator	p. 58
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Control unit	p. 90
6	Receiving module	p. 102

Additional accessories

A	Digital or key switch	p. 121
B	Pillar photocells	p. 109
C	Safety edges	p. 109
D	Solar system (only for 24V actuators)	p. 110

Choice guide

Residential use

For swing gates with leaves up to 3.5 m. Steel foundation box and motoreducer entirely made of aluminium for safe underground installations.

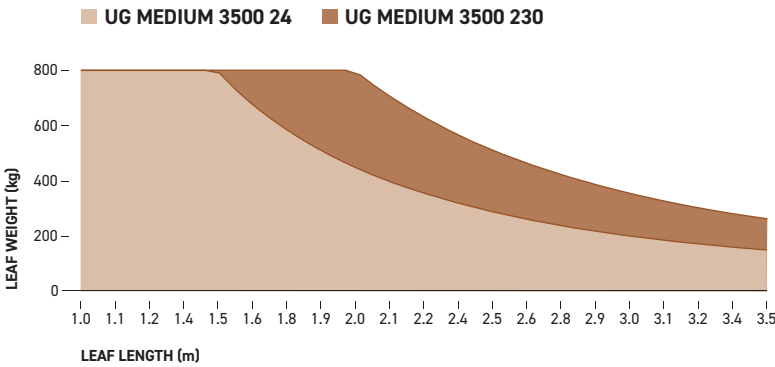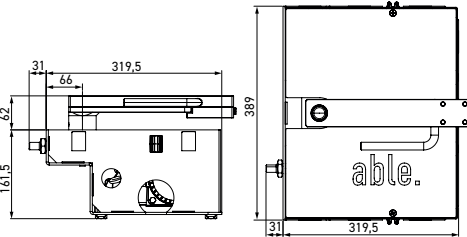|			
24V	up to **3.5 m**	UG MEDIUM 3500 24	p. 58
230V	up to **3.5 m**	UG MEDIUM 3500 230	p. 58
	up to **3.5 m** with long cable	UG MEDIUM 3500LC 230	p. 58

UG Medium

Electromechanical motor reducer for underground mounting.
For swing gates with leaves up to 3.5 m.
Available in two versions: 24V and 230V

- Sealed motor reducer made entirely of aluminum with galvanised forged steel levers
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever
- Version with 7 m long power cable
- The special mounting holes allow UG motors to be installed inside numerous existing models of foundation boxes
- Adjustable opening and closing mechanical stop
- Available with cataphoresis or stainless-steel foundation boxes
- In the absence of power, the gate can be operated manually by simply rotating a release lever

Motors for swing gates

Technical features

24V version
- Encoder included

■ UG MEDIUM 3500 24   ■ UG MEDIUM 3500 230

LEAF WEIGHT (kg) vs LEAF LENGTH (m)

Product data	24V | 3.5 m	230V | 3.5 m	230V | 3.5 m | Long cable
Model	UG MEDIUM 3500 24	UG MEDIUM 3500 230	UG MEDIUM 3500 LC 230
Code	22Y012	22Y013	22Y014
Weight (kg)	11.5	11	11
Maximum leaf weight (kg)	600	800	800
Degree of protection (IP)	67	67	67
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	24Vdc	230 - 50	230 - 50
Full load absorption (A)	15	2.4	2.4
Maximum electric power (W)	300	550	550

Mechanical data

Operating time of the leaf 0-90° (s)	15	17	17
Maximum torque (Nm)	320	320	320
Working cycle (cycles/hour)	96	32	32

Kit model

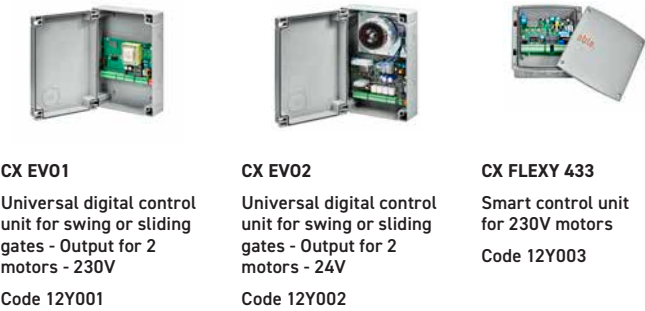| CX EVO1 / CX EVO2 Universal digital control unit for 230V / 24V motors | TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons | RX MR 433 433.92 MHz plug-in receiver | PX XS 24 Miniaturized wall-mounted photocells | FX FLASH 230 / FX FLASH 24 LED flashing light | AX WSIGN Warning sign |

Kit light

All kits include two foundation boxes AX UG BOX (16Y005)	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	FX FLASH	16Y001
KL UG MEDIUM 3500 24E	29Y015	CX EVO2	● ●	●			
KL UG MEDIUM 3500 230E	29Y016	CX EVO1	● ●	●			

Kit full

All kits include two foundation boxes AX UG BOX (16Y005)	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	FX FLASH	16Y001
KF UG MEDIUM 3500 24E	29Y013	CX EVO2	● ●	●	●	14Y002	●
KF UG MEDIUM 3500 230E	29Y014	CX EVO1	● ●	●	●	14Y001	●

Control units to be used

CX EVO1
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX EVO2
Universal digital control unit for swing or sliding gates - Output for 2 motors - 24V
Code 12Y002

CX FLEXY 433
Smart control unit for 230V motors
Code 12Y003

Accessories

AX UG BOX
Cataphoresis-finished steel foundation box
Code 16Y005

AX UG BOX-IX
Stainless steel foundation box
Code 16Y020

AX UNL180
Unlock system >110
Code 16Y004

AX CED-7M
Encoder with 7 m long cable
Code 16Y006

AX VER-LOCK01
Vertical electric-lock 12V
Code 162912

AX HOR-LOCK01
Horizontal electric-lock 12V
Code 162913

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Barriers

Barriers

Choice guide

Residential and multiple use

24V rapid opening automatic raise up to 6 m width.

24V

up to **4 m** — BA MEDIUM 4000 24   p. 64

up to **6 m** — BA LARGE 6000 24   p. 66
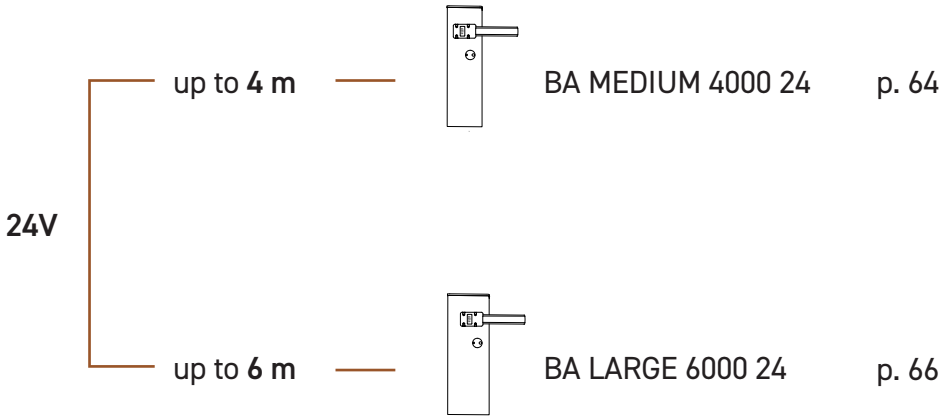
Components

1	Actuator	pp. 64-67
2	Transmitter	p. 102
3	Photocells	p. 109
4	Flashing light with built-in antenna	p. 109
5	Receiving module	p. 102
6	Boom	p. 69

Additional accessories

A	Digital or key switch	p. 121
B	Pillar photocells	p. 109
C	Solar system	p. 110

BA Medium

Quick-opening road barrier for residential or multi-user passages up to 4 m wide

- Accurate and safe operation
- Obstacle detection
- Self-learning of opening and closing times
- Slow-down in the limit switch area
- Balancing spring included
- White painted aluminum bar (accessory)
- Digital control unit programmable using 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- ADI connector for connecting optional module
- Wi-Fi module enabling barrier control via app

- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- Holding magnet output
- Programmable acceleration and deceleration
- Operation during power outage with backup battery
- Operation with solar power system
- RGB strip management with optional module
- Compliant with new standby ecodesign regulation EU 2023/826

Technical features

316 mm
1113 mm
205 mm
320 mm

Product data

Model	**24V**
Model	**BA MEDIUM 4000 24**
Code	36Y001
Weight (kg)	44
Maximum boom length (m)	4
Operating temperature (°C)	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60
Maximum electric power (W)	300
Consumption standby (W)	<0.5
Motor power supply (Vdc)	24

Mechanical data

Opening time (s)	3/4
Working cycle (cycles/hour)	300

Kit model

| **TX TOH2 433C** 433.92 MHz rolling code transmitter with 2 push buttons | **RX MR 433** 433.92 MHz plug-in receiver | **AX 4M BOOM** 4 m aluminium boom | **AX 9M RUBBER** Protection rubber 1 m x 9pcs | **AX RGB STRIP4** RGB LED strip - 4 m | **AX SYNCLUX** Module for the management of RGB strip lights | **AX 6M STRIP RUB** Transparent rubber kit for RGB 6 m |

Kit full

Progressive configurations to activate the barrier safely	KIT CODE	10Y001	11Y001	163638	163641	163677	163676	163675
KF BA-M 4000-01	36Y101		•	•	•			
KF BA-M 4000-02	36Y102	• •	•	•	•			
KF BA-M 4000-03	36Y103	• •	•	•	•	•	•	•

Radio kit

X2   X4   X4

KL RX MR 2 433

Kit radio plugin with two remotes 433 MHz

Code 28Y001

KL RX MR 4 433

Kit radio plugin with four remotes 433 MHz

Code 28Y002

KL RX WAL 4 433

Kit radio external with 2 channel receiver and four remotes 433 MHz

Code 28Y003

Accessories

AX WIFI01

WI-FI module for managing via app Able to Use

Code 16Y011

AX WIFI02

WI-FI module for managing via app Able to Install

Code 16Y018

AX B-PACK1

Backup battery with built-in charger

Code 161261

AX SYNCLUX

Module for the management of RGB strip lights or for the synchronized operation of two barriers.

Code 163676

TRANSMITTERS AND RECEIVERS

The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

ACCESSORIES FOR BARRIERS

The full range of accessories can be found at p. 68
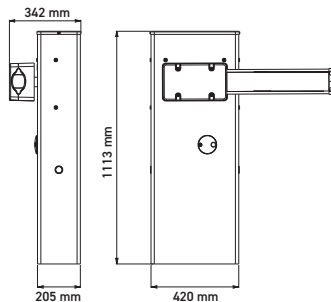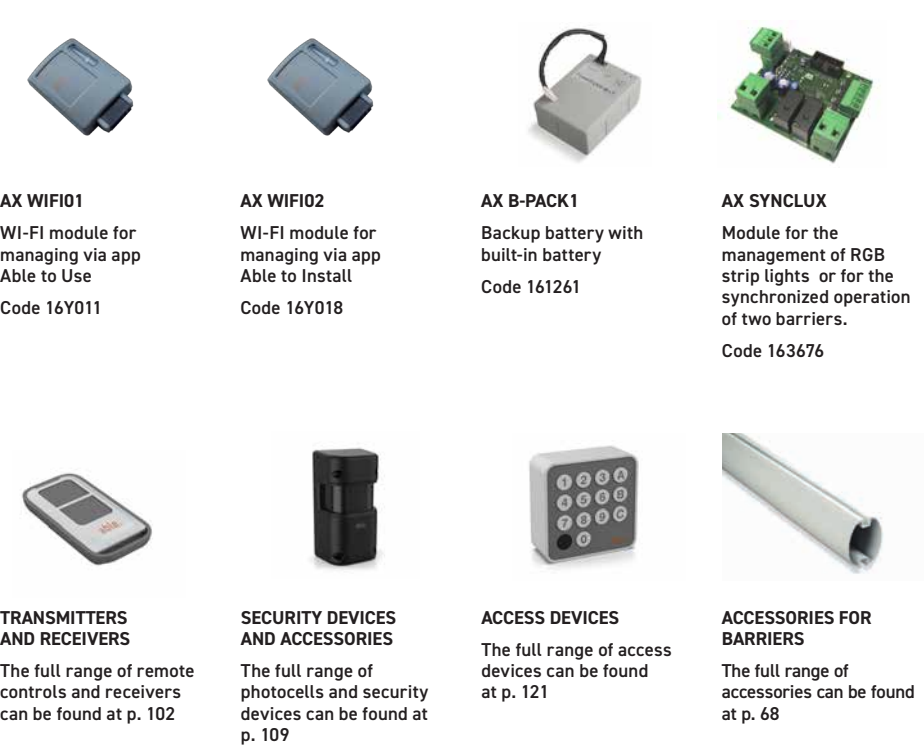
Barriers

able.

BA Large

Quick-opening road barrier for residential or multi-user passages up to 6 m wide

- Accurate and safe operation
- Obstacle detection
- Self-learning of opening and closing times
- Slow-down in the limit switch area
- Balancing spring included
- White painted aluminum bar (accessory)
- Digital control unit programmable using 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- ADI connector for connecting optional module
- Wi-Fi module enabling barrier control via app

- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- Holding magnet output
- Programmable acceleration and deceleration
- Operation during power outage with backup battery
- Operation with solar power system
- RGB strip management with optional module
- Compliant with new standby ecodesign regulation EU 2023/826

Technical features

342 mm
1113 mm
205 mm
420 mm

Product data

Model	24V
Model	BA LARGE 6000 24
Code	36Y002
Weight (kg)	52
Maximum boom length (m)	6
Operating temperature (°C)	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50/60
Maximum electric power (W)	240
Consumption standby (W)	<0.5
Motor power supply (Vdc)	24

Mechanical data

Opening time (s)	5/6
Working cycle (cycles/hour)	200

Kit model

| TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons | RX MR 433 433.92 MHz plug-in receiver | AX 3M BOOM 3 m aluminium boom | AX BOOM-JOINT Boom joint | AX 9M RUBBER Protection rubber 1 m x 9pcs | AX RGB STRIP6 RGB LED strip - 6 m | AX SYNCLUX Module for the management of RGB strip lights | AX 6M STRIP RUB Transparent rubber kit for RGB 6 m |

Kit full

Progressive configurations to activate the barrier safely	KIT CODE	10Y001	11Y001	163647	163653	163641	163678	163676	163675
KF BA-L 6000-01	36Y104		●	● ●	●	● ●			
KF BA-L 6000-02	36Y105	● ●	●	● ●	●	● ●			
KF BA-L 6000-03	36Y106	● ●	●	● ●	●	●	●	●	●

Radio kit

X2

X4

X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX B-PACK1
Backup battery with built-in battery
Code 161261

AX SYNCLUX
Module for the management of RGB strip lights or for the synchronized operation of two barriers.
Code 163676

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

ACCESSORIES FOR BARRIERS
The full range of accessories can be found at p. 68

Barriers

Accessories for barriers

Common accessories

AX 6M STRIP RUB

Transparent rubber kit for RGB 6 m

Code 163675

AX 9M RUBBER

Protection rubber 1 m x 9pcs

Code 163641

AX MOB-STAND

Mobile stand for boom

Code 163643

AX END POST

End support post

Code 163605

AX KIT STRIPES

Reflective adhesive strips (24 pieces)

Code 163622

AX 2M RACK

Aluminum shelf (2 m)

Code 163650

PX BA 24

Syncronized photocell for internal mount in the barrier

Code 13Y007

AX SYNCLUX

Module for the management of RGB strip lights or for the synchronized operation of 2 barriers

Code 163676

AX B-PACK1

Backup battery with built-in charger

Code 161261

AX LOOP DET1

Magnetic loop detector 1 channel detection control board

Code 162241

AX LOOP DET2

Magnetic loop detector 2 channels detection control board

Code 162242

AX LOOP CAB 9M

9 m cable for loop detection

Code CAB106

Accessories for 4 m barriers

AX 4M BOOM

4 m aluminium boom

Code 163638

AX RGB STRIP4

RGB LED strip - 4 m

Code 163677

AX WHI STRIP4

LED strip - 4 m

Code 163651

AX FIX-PLATE-M

Anchor plate

Code 163687

AX BOOM-JOINT

Boom joint

Code 163684

Accessories for 6 m barriers

AX 3M BOOM

3 m aluminium boom

Code 163647

AX 5M BOOM

5 m aluminium boom

Code 163639

AX BOOM-JOINT

Boom joint

Code 163653

AX RGB STRIP6

RGB LED strip - 6 m

Code 163678

AX WHI STRIP6

LED strip - 6 m

Code 163652
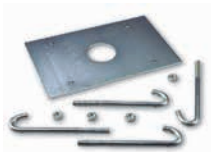
AX FIX-PLATE-L

Anchor plate

Code 163688

Barriers

Motors for garage doors and rolling shutters

Motors for garage doors

Components

1	Actuator	pp. 74-79
2	Transmitter	p. 102
3	Guide (chain/belt)	p. 75, 77
4	Receiving module	p. 102

Additional accessories

A	Key switch	p. 121
B	Photocells	p. 109
C	Flashing light with built-in antenna	p. 109
D	Digital radio switch	p. 121
E	Safety edges	p. 109
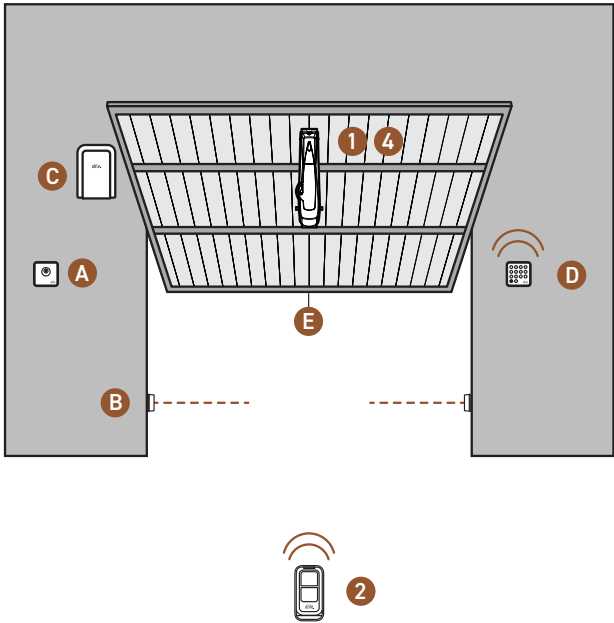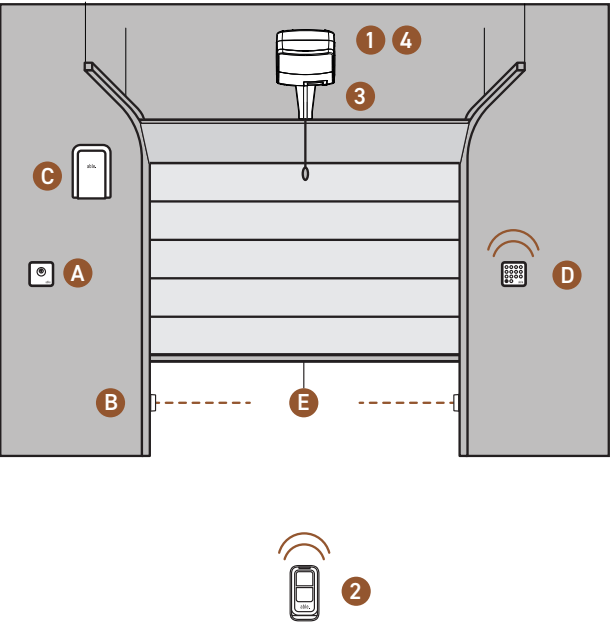
Choice guide

Garage doors

A solution for opening both sectional and balanced garage doors up to 15 sqm, with silent movement and space illumination.

Sectional and balanced door centre roof installation

up to **10 sqm**	DC SMALL 700 24	p. 74
up to **15 sqm**	DC MEDIUM 1000 24	p. 76

Balanced door centre door installation

up to **9 sqm** with control unit	DD SMALL 9000D 230	p. 78
up to **9 sqm** without control unit	DD SMALL 9000 230	p. 78

Motors for garage doors

DC Small

24V electromechanical gearmotor for sectional
and balanced doors up to 10 sqm

- Accurate and safe operation with encoder
- Control panel with keypad and LCD display
- Operation during power outage with backup battery
- Operation with solar power system
- Plug-in adaptor for modular radio receiver
- Input for photocells or safety edges
- Input for an external start and stop button
- Output for flashing light 24V with intermittence
- Automatic learning of timings, slowdowns, and forces for both opening and closing phases
- Obstacle detection function
- Compliant with new standby ecodesign regulation EU 2023/826
- Wi-Fi module for motor control via app

Technical features

218 mm
113 mm
374 mm
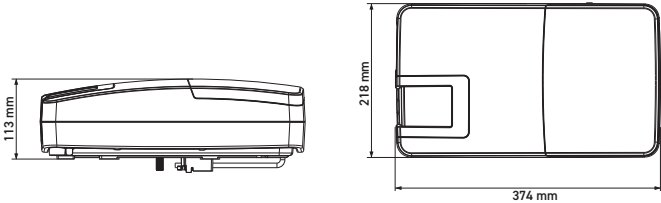
Product data

	24V
Model	**DC SMALL 700 24**
Code	25Y001
Weight (kg)	6
Maximum door area (sqm)	10
Degree of protection (IP)	20
Operating temperature (°C)	-20 ÷ +40

Electrical data

Supply (Vac - Hz)	230 - 50/60
Maximum electric power (W)	192
Consumption standby (W)	<0.5

Mechanical data

Maximum speed (cm/s)	14 (opening) 12 (closing)
Maximum force (N)	700
Working cycle (cycles/hour)	30

Kit model

TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons

RX MR 433
433.92 MHz plug-in receiver

Kit light

Minimum configuration to activate door with remote control

	KIT CODE	10Y001	11Y001
KL DC SMALL 700 24	**32Y002**	● ●	●

Radio kit

X2

X4

X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX B-PACK 2
Backup battery with built-in charger
Code 161212

AX EXT-UNLOCK
External release kit with key
Code 162537

AX CW BRAK
Adaptor bracket for counterweight balanced doors
Code 162504

AX BRAK 01
Additional fixing kit
Code 1625A7

AX CHAIN-G 33
3.3 m pre-assembled chain guide
Code 162560

AX CHAIN-G 2X165
2x1.65 m pre-assembled chain guide
Code 162568

AX CHAIN-G 38
3.8 m pre-assembled chain guide
Code 162562

AX BELT-G 33
3.3 m pre-assembled belt guide
Code 162571

AX BELT-G 2X165
2x1.65 m pre-assembled belt guide
Code 162574

AX BELT-G 38
4 m pre-assembled belt guide
Code 162575

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Motors for garage doors

DC Medium

24V electromechanical gearmotor for sectional
and balanced doors up to 15 sqm

- Accurate and safe operation with encoder
- Control panel with keypad and LCD display
- Operation during power outage with backup battery
- Operation with solar power system
- Plug-in adaptor for modular radio receiver
- Input for photocells or safety edges
- Input for an external start and stop button
- Output for flashing light 24V with intermittence
- Automatic learning of timings, slowdowns, and forces for both opening and closing phases
- Obstacle detection function
- Compliant with new standby ecodesign regulation EU 2023/826
- Wi-Fi module for motor control via app

Technical features

218 mm
113 mm
374 mm
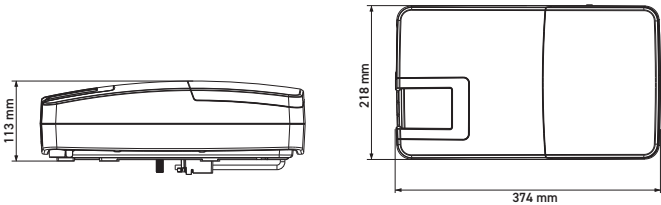
Product data

	24V
Model	DC MEDIUM 1000 24
Code	25Y002
Weight (kg)	7
Maximum door area (sqm)	15
Degree of protection (IP)	20
Operating temperature (°C)	-20 ÷ +40

Electrical data

Supply (Vac - Hz)	230 - 50/60
Maximum electric power (W)	354
Consumption standby (W)	<0.5

Mechanical data

Maximum speed (cm/s)	12 (opening) 12 (closing). Fast mode: 20 (opening) 20 (closing)
Maximum force (N)	1000
Working cycle (cycles/hour)	30

Kit model

TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons

RX MR 433
433.92 MHz plug-in receiver

Kit light

Minimum configuration to activate door with remote control

	KIT CODE	10Y001	11Y001
KL DC MEDIUM 1000 24	32Y001	● ●	●

Radio kit

X2

X4

X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX B-PACK 2
Backup battery with built-in charger
Code 161212

AX EXT-UNLOCK
External release kit with key
Code 162537

AX CW BRAK
Adaptor bracket for counterweight balanced doors
Code 162504

AX BRAK 01
Additional fixing kit
Code 1625A7

AX CHAIN-G 33
3.3 m pre-assembled chain guide
Code 162560

AX CHAIN-G 2X165
2x1.65 m pre-assembled chain guide
Code 162568

AX CHAIN-G 38
3.8 m pre-assembled chain guide
Code 162562

AX BELT-G 33
3.3 m pre-assembled belt guide
Code 162571

AX BELT-G 2X165
2x1.65 m pre-assembled belt guide
Code 162574

AX BELT-G 38
4 m pre-assembled belt guide
Code 162575

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121

Motors for garage doors

DD Small

Irreversible electromechanical actuator for balanced doors up to 9 sqm

- Compact design and robust mechanics for optimal performance with all types of balanced doors
- Automatic learning of open and close timings
- Adjustable cams for setting as limit switches or initiating a gradual start
- Programming with 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- 1 photocell input with self-test function

- 1 input for mechanical or resistive sensitive safety edges
- Output for 24V flashing light or warning light
- Courtesy light output
- Cycle counter with customizable maintenance
- Compliant with new standby ecodesign regulation EU 2023/826
- Wi-Fi module for motor control via app

Technical features

145 mm

186 mm

640 mm
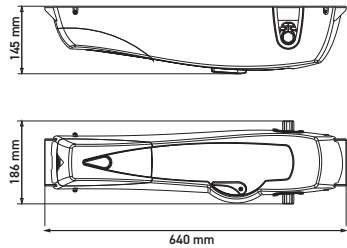
Product data

	230V	230V with control unit
Model	DD SMALL 9000 230	DD SMALL 9000D 230
Code	24Y002	24Y001
Weight (kg)	9	9
Maximum door area (sqm)	14 (Installation with 2 motors in combination)	9
Degree of protection (IP)	20	20
Operating temperature (°C)	-20 ÷ +50	-20 ÷ +50

Electrical data

Supply (Vac - Hz)	230 - 50	230 - 50/60
Full load absorption (A)	2.5	2.5
Maximum electric power (W)	575	575
Maximum accessory load (W)	-	3
Consumption standby (W)	<0.5	<0.5

Mechanical data

Motor speed (rpm)	1.6	1.6
Capacitor (μF)	8	8
Working cycle (cycles/hour)	36	36

Kit model

TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons

RX MR 433
433.92 MHz plug-in receiver

Kit light

Minimum configuration to activate door with remote control

	KIT CODE	10Y001	11Y001
KL DD SMALL 9000D 230	32Y003	● ●	●

Accessory kit

KIT CODE	162415	162411	162402	162405	162406
32C002	●	●	●	●	●

Radio kit

X2   X4   X4

KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

KL RX MR 4 433
Kit radio plugin with four remotes 433 MHz
Code 28Y002

KL RX WAL 4 433
Kit radio external with 2 channel receiver and four remotes 433 MHz
Code 28Y003

Accessories

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX ARM-001
Straight telescopic arm with iron rod
Code 162401

AX ARM-002
Curved telescopic arm
Code 162407

AX ARM-003
Pair of curved telescopic arms with iron rod
Code 162415

AX SHA-001
Pair of transmission shafts with sleeves, 2 m length
Code 162411

AX SLE-001
Pair of sleeves
Code 162404

AX ANC-001
Kit for anchoring to the structure
Code 162405

AX BRA-001
Pair of tube guide brackets with bushes
Code 162406

AX BAC-001
1.2 m long anchoring backstay
Code 162414

AX BAC-002
1.8 m long anchoring backstay
Code 162402

AX REL-001
External release kit with metal wire
Code 162403

TRANSMITTERS AND RECEIVERS
The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES
The full range of access devices can be found at p. 121
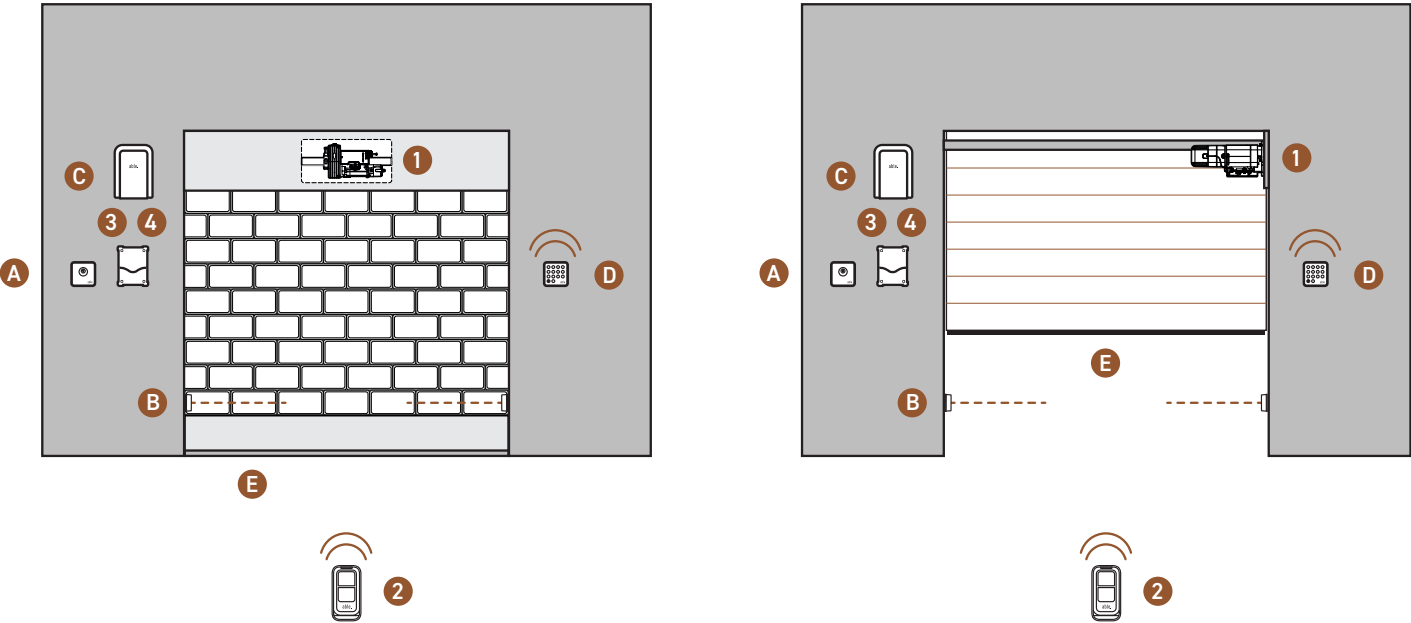
Motors for garage doors

Motors for rolling shutters
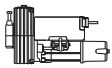
Choice guide

Rolling shutters

Motors designed for reliable and seamless control of shutters. Engineered for precision and durability, it ensures optimal performance, setting a new standard for shutter management up to 600 kg.

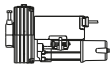|			
without electro-brake	up to **170 kg**	DR SMALL 170 230	p. 82
	up to **170 kg**	DR SMALL 170B 230	p. 82
	up to **260 kg**	DR MEDIUM 260B 230	p. 84
with electro-brake	up to **380 kg**	DR MEDIUM 380B 230	p. 84
	up to **600 kg**	DR LARGE 600B 230	p. 86
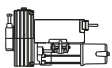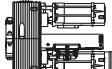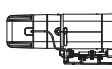
Components

1	Actuator	pp. 82-87
2	Transmitter	p. 102
3	Control unit	p. 90
4	Receiving module	p. 102

Additional accessories

A	Key switch	p. 121
B	Photocells	p. 109
C	Flashing light with built-in antenna	p. 109
D	Digital radio switch	p. 121
E	Safety edges	p. 109

DR Small

Irreversible electromechanical actuator
for shutter weighing up to 170 kg.
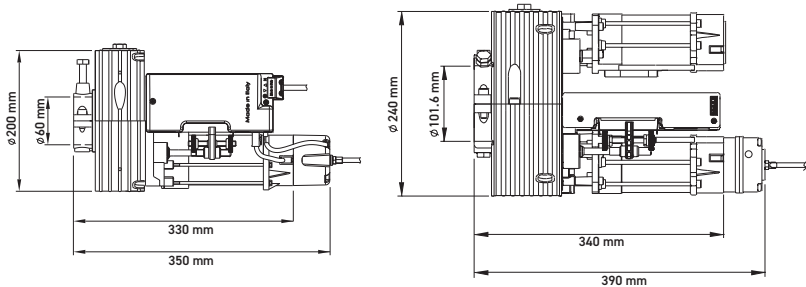Available in two versions: with or without electro-brake

· Wires protected by special plastic container
· External limit switch unit easily accessible
· Simple, intuitive limit switch adjustment
· Pre-wired condenser
· Shaft adapter ø 48 and crown ø 220 included

Control units to be used

CX TOP

Smart control unit for
230V motors

Code 12Y008

CX BASIC 433

Analogue control unit
for 230V motors

Code 12Y007

Accessories

AX KEY-SW3

Aluminum key switch
with tubolar lock, control
button and electro-brake
release

Code 162647

AX KEY-SW1

Aluminium key switch
with two contact and
electro-brake release

Code 162645

AX KEY-SW2

Aluminium key switch
with two contact, push
button and unlocking
handle

Code 162646

AX DR-S BRK

Electro-brake for
DR Small 170

Code 162633

CX PRG2 DR

Low voltage remote
inverter for roll-up
shutter gearmotors

Code 12C061

AX ADP 60-42

Plastic adapter
60-42 mm

Code 162635

AX ADP 60-33

Plastic adapter
60-33 mm

Code 162636

**TRANSMITTERS
AND RECEIVERS**

The full range of remote
controls and receivers
can be found at p. 102

**SECURITY DEVICES
AND ACCESSORIES**

The full range of
photocells and security
devices can be found at
p. 109

ACCESS DEVICES
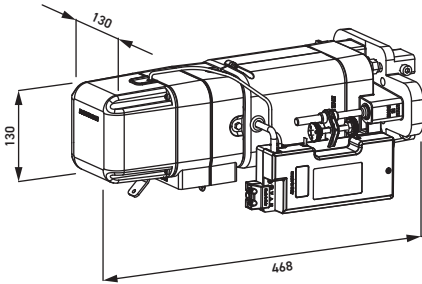
The full range of access
devices can be found
at p. 121

Technical features

ø 200 mm
ø 60 mm
330 mm
350 mm

Product data

	230V	230V with electro-brake
Model	DR SMALL 170 230	DR SMALL 170B 230
Code	26Y002	26Y001
Weight (kg)	7	8
Maximum shutter weight (kg)	170	170
Shutters maximum height (m)	7	7
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50	230 - 50
Maximum electric power (W)	630	630
Absorbed current (A)	2.7	2.7

Mechanical data

Motor crown speed (rpm)	10	10
Torque (Nm)	170	170
Rolling shutter shaft ø (B) (mm)	60/48	60/48
Motor crown ø (A) (mm)	200/220	200/220

Motors for rolling shutters

DR Medium

Irreversible electromechanical actuator for shutter weighing up to 380 kg

- Wires protected by special plastic container
- External limit switch unit easily accessible
- Simple, intuitive limit switch adjustment
- Pre-wired condenser
- Shaft adapter ø 48 and crown ø 220 included (DR MEDIUM 260B 230)
- Shaft adapter ø 76 included (DR MEDIUM 380B 230)

Control units to be used

CX TOP

Smart control unit for 230V motors

Code 12Y008

CX BASIC 433

Analogue control unit for 230V motors

Code 12Y007

Technical features

DR MEDIUM 380B version
- Two motors (rolling shutter shaft ø 101)

Accessories

AX KEY-SW3

Aluminum key selector with tubular lock, control button and electro-brake release

Code 162647

AX KEY-SW1

Aluminium key switch with two contact and electro-brake release

Code 162645

AX KEY-SW2

Aluminium key switch with two contact, push button and unlocking handle

Code 162646

CX PRG2 DR

Low voltage remote inverter for roll-up shutter gearmotors

Code 12C061

AX ADP 60-42

Plastic adapter 60-42 mm

Code 162635

AX ADP 60-33

Plastic adapter 60-33 mm

Code 162636

AX ADP 101-76

Plastic adapter 101-76 mm

Code 162650

AX ADP 101-90

Plastic adapter 101-90 mm

Code 162649

TRANSMITTERS AND RECEIVERS

The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Product data	230V	230V
Model	DR MEDIUM 260B 230	DR MEDIUM 380B 230
Code	26Y003	26Y004
Weight (kg)	9	18
Maximum shutter weight (kg)	260	380
Shutters maximum height (m)	7	7
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Electrical data		
Supply (Vac - Hz)	230 - 50	230 - 50
Maximum electric power (W)	670	1330
Absorbed current (A)	2.9	5.8

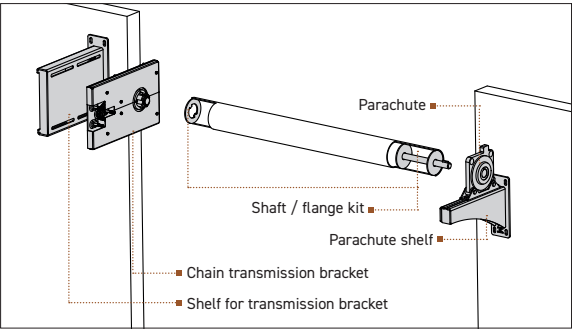| Mechanical data		
Motor crown speed (rpm)	10	8
Torque (Nm)	260	430
Rolling shutter shaft ø (mm)	60/48	101/76
Motor crown ø (mm)	200/220	240

Motors for rolling shutters

DR Large

230V side gear motor for shutters without compensating springs weighing up to 600 kg

· Wires protected by special plastic container
· External limit switch unit easily accessible
· Simple, intuitive limit switch adjustment
· Practical chain release for manually operating the door in the event of a power failure

Technical features

Parachute
Shaft / flange kit
Parachute shelf
Chain transmission bracket
Shelf for transmission bracket

130
130
468

Product data

Model	230V DR LARGE 600B 230
Code	26Y005
Weight (kg)	13.4
Maximum shutter weight (kg)	600
Degree of protection (IP)	30
Max diameter door (m)	0.44
Operating temperature (°C)	-20 ÷ +55

Electrical data

Supply (Vac - Hz)	230 - 50
Maximum electric power (W)	600

Mechanical data

Speed (rpm)	4.6 / 9.3
Torque (Nm)	412
Limit (min)	6
Thermal time (min)	5
Chain type	10A

Control units to be used

CX TOP

Smart control unit for 230V motors

Code 12Y008

CX BASIC 433

Analogue control unit for 230V motors

Code 12Y007

Accessories

AX RED-01

Chain transmission bracket (4,6 rpm)

Code 162637

AX RED-02

Chain transmission bracket (9,3 rpm)

Code 162648

AX BRA-002

Support for bracket transmission

Code 162638

AX PAR-001

Parachute

Code 162642

AX PAR-002

Parachute support

Code 162643

AX BEA-01

Bearing for bracket transmission support

Code 162644

Ø 40

Ø 40
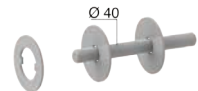
AX SHA-002
AX SHA-003
AX SHA-003

Shaft / flange kit

Code 162639 (101.6x2)
Code 162640 (133x4)
Code 162641 (159x4.5)
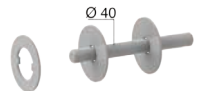
AX SHA-005
AX SHA-006
AX SHA-007

Shaft / flange kit

Code 162651 (4 inch)
Code 162652 (5 inch)
Code 162653 (6 inch)

AX KEY-S 03

Plastic key switch with two contacts

Code 162654

CX PRG2 DR

Low voltage remote inverter for roll-up shutter gearmotors

Code 12C061

TRANSMITTERS AND RECEIVERS

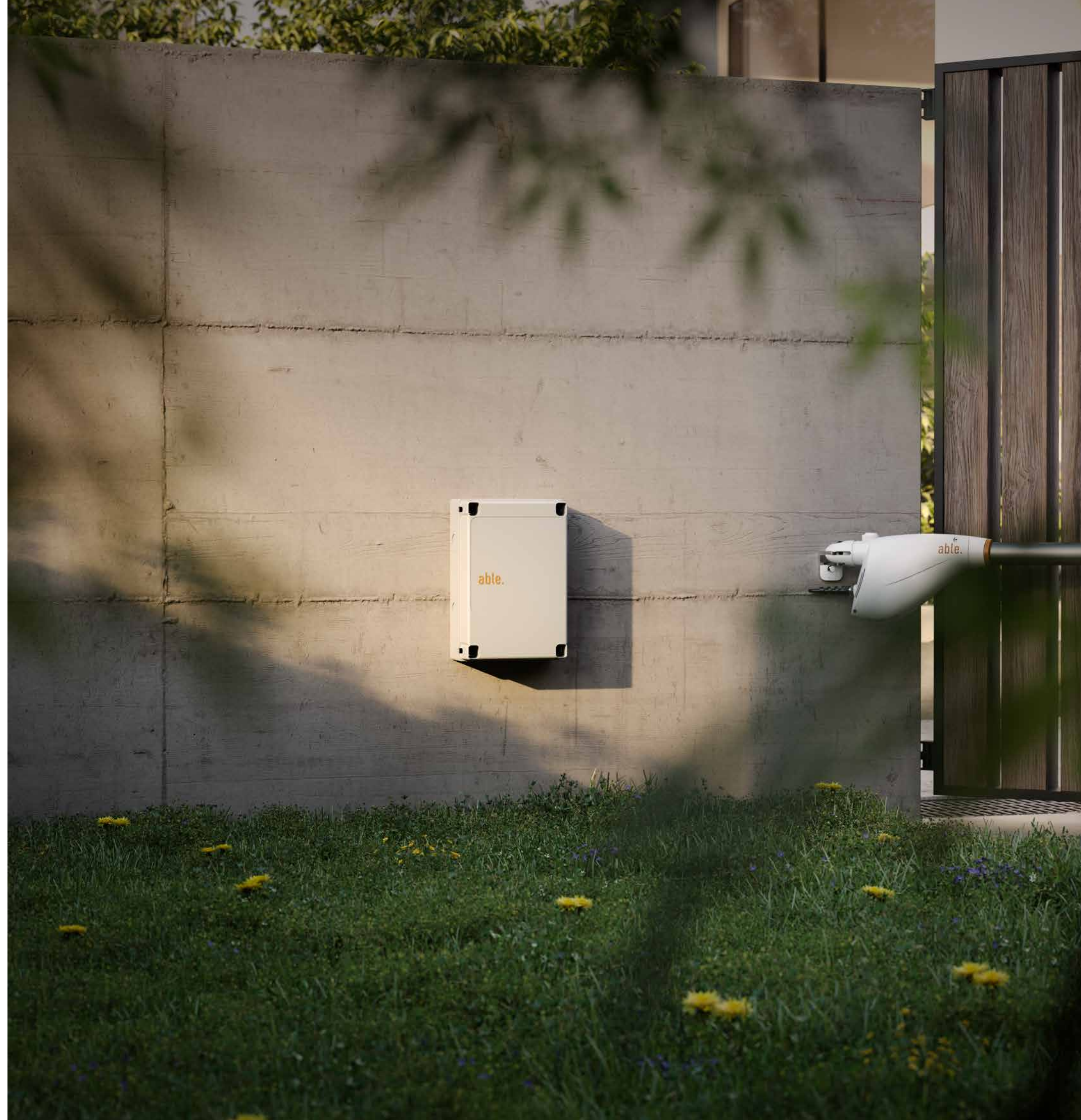The full range of remote controls and receivers can be found at p. 102

SECURITY DEVICES AND ACCESSORIES

The full range of photocells and security devices can be found at p. 109

ACCESS DEVICES

The full range of access devices can be found at p. 121

Motors for rolling shutters

Control
units

Choice guide

Control units for swing and sliding gates

digital
- 230V motors
  - 2 motors — CX EVO1 — p. 91
  - 1 motor — CX EVO4 — p. 93
- 24V motors
  - 2 motors — CX EVO2 — p. 92

smart
- 230V motors
  - 2 motors — CX FLEXY 433 — p. 94

Control units for rolling shutters and screens

smart
- for rolling shutters — CX TOP — p. 95

analogue
- for rolling shutters
  - with built in radio receiver — CX BASIC 433 — p. 96
  - with plug-in for radio receiver — CX EASY2 — p. 98
- for rolling shutters and screens — CX EASY1 433 — p. 97

Control units for industrial doors

digital
- three-phases motor with inverter — CX HEAVY1 — p. 99

CX EVO1

Digital control unit for swing and sliding gates equipped with 2 x 230V motors

- Programming with three buttons and a display
- Power supply for 2 single-phase 230V motors
- Enables precise control of motors with an encoder
- Programming, firmware updates and diagnostics via Wi-Fi
- Connector for the AX LC01 low energy module, required to comply with EU regulation 826/2023
- Plug-in adapter for RX MR modular radio receiver
- Control pedestrian start/stop with transmitter
- Safety device test before any opening
- 230V output for intermittent flashing lights
- Self-learning operating time function
- Obstacle detection function
- Cycle counter with programmable maintenance alerts
- Programmable soft start and slowdown
- Input status displayed
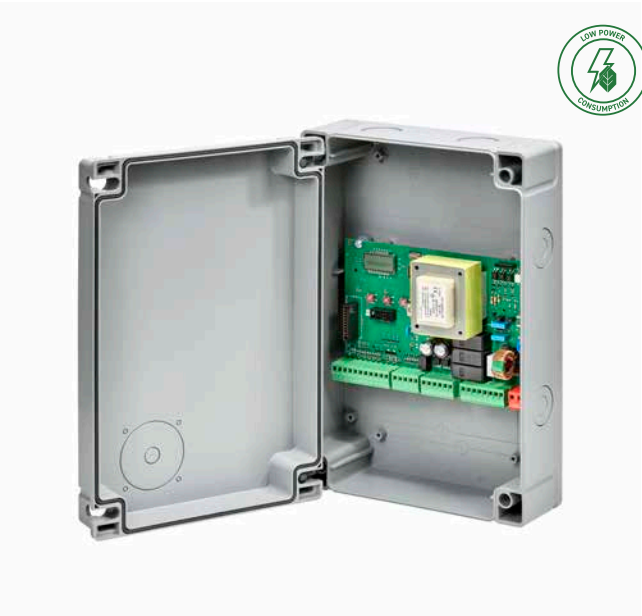
Technical features

Model	230V
	CX EVO1
Code	12Y001
Weight (g)	1600
Dimensions (mm)	312 x 210 x 100
Supply (Vac - Hz)	230 - 50/60
Max motors load (W)	2 x 700
Operating temperature (°C)	-20 ÷ +60
Consumption standby (W) (with AX LC01 module installed)	0.45
Duty cycle (%)	40
Maximum 24V accessories load (W)	10
Degree of protection (IP)	55

Kit model

	CX EVO1 Universal digital control unit for 230V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	RX MR 433 433.92 MHz plug-in receiver	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	FX FLASH 230 LED flashing light
KIT CODE	12Y001	10Y001	11Y001	13Y002	14Y001
KF CX EVO1 28Y005	●	● ●	●	●	●

Accessories

RX MR 433
433.92 MHz plug-in receiver, also available in 868.30 MHz
Code 11Y001

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX LUX
ADI module for the management of lights, traffic light or electro-brake
Code 16Y007

AX LC01
Module for saving electricity
Code 161218

CX EVO2

Digital control unit for swing and sliding gates equipped with 2 × 24V motors

- Easy programming and continuous input status monitoring via display
- Intuitive menu for easy programming
- Plug-in adapter for RX MR receiver
- Programmable auxiliary relay for courtesy light, flashing light, or other uses
- Optional battery pack for mains-free operations
- Low voltage output for signal or 24V flashing light
- Obstacle detection with current-sensing probe
- Short circuit protection for the control unit, motors, and accessories
- Current modulation for power regulation
- Automatic learning of operation time
- Safty device tests before each opening
- Deactivation of safety inputs via configuration menu
- Compliant with new standby ecodesign regulation EU 2023/826
- Version for solar kit K ECO-24

Technical features

Model		24V	24V (for K ECO-24)
		CX EVO2	CX EVO2 SP
Code		12Y002	12Y013
Weight (g)		3000	1000
Dimensions (mm)		312 x 210 x 100	312 x 210 x 100
Supply (Vac - Hz)		230 - 50/60	K ECO-24
Maximum load consumed from the mains with two motors + accessories (W)		250	250
Nominal load for each motor output (W)		80	80
Operating temperature (°C)		-20 ÷ +60	-20 ÷ +60
Work cycle (%)		80	80
Maximum 24V accessories load (W)		12	12
Degree of protection (IP)		55	55

Kit model

	KIT CODE	CX EVO2 Universal digital control unit for 24V motors 12Y002	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons 10Y001	RX MR 433 433.92 MHz plug-in receiver 11Y001	PX XS 24 Miniaturized wall-mounted photocells 13Y002	FX FLASH 24 LED flashing light 14Y002
KF CX EVO2	28Y006	●	● ●	●	●	●

Accessories

RX MR 433
433.92 MHz plug-in receiver, also available in 868.30 MHz
Code 11Y001

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX LUX
ADI module for the management of lights, traffic light or electro-brake
Code 16Y007

AX B-PACK3
Backup battery with built-in charger
Code 16Y016

CX EVO4

Digital control unit for swing and sliding gates equipped with 1 x 230V motor

- Programming with three buttons and a display
- 230V power supply for 1 single-phase motor
- Enables precise control of motors with an encoder
- Programming, firmware updates and diagnostics via Wi-Fi
- Connector for the AX LC01 low energy module, required to comply with EU regulation 826/2023
- Plug-in adapter for RX MR modular radio receiver
- Control pedestrian start/stop with transmitter
- Auxiliary channel management from transmitter
- 230V output for intermittent flashing lights
- Safety device test before any opening
- Self-learning operating time function
- Obstacle detection function
- Cycle counter with programmable maintenance alerts
- Programmable soft start and slowdown
- Input status displayed

Technical features

Model		230V
		CX EVO4
Code		12Y017
Weight (g)		1600
Dimensions (mm)		312 x 210 x 100
Supply (Vac - Hz)		230 - 50/60
Max motors load (W)		700
Operating temperature (°C)		-20 ÷ +60
Consumption standby (W) (with AX LC01 module installed)		0.45
Maximum 24V accessories load (W)		10
Degree of protection (IP)		55

Accessories

RX MR 433
433.92 MHz plug-in receiver, also available in 868.30 MHz
Code 11Y001

AX WIFI01
WI-FI module for managing via app Able to Use
Code 16Y011

AX WIFI02
WI-FI module for managing via app Able to Install
Code 16Y018

AX LUX
ADI module for the management of lights, traffic light or electro-brake
Code 16Y007

AX LC01
Module for saving electricity
Code 161218

Control units

CX FLEXY 433

Smart control unit for swing and sliding gates
equipped with 2 x 230V motors

- 230V / 120V power supplies for 2 single phase motors
- Operation logic programmable via display menu
- Input for keyswitch or push-button, safety photocell and safety edge
- Inputs for open and close limit switches
- Output for 24V flashing light
- Pre-opening safety device testing
- Adjustment of motor power and operation time by menu

- Fitted 433.92 MHz radio receiver
- Possibility of saving 240 Personal Pass transmitters
- Display monitoring of inputs
- Courtesy light output.
- RJ45 connector to connect the control unit to the programmer PROG2 via standard network cable (UTP)
- Compliant with new standby ecodesign regulation EU 2023/826

Technical features | 230V

Model	CX FLEXY 433
Code	12Y003
Weight (g)	800
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	85 ÷ 260 - 50/60
Max motors load (W)	700
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	3
Degree of protection (IP)	55

Kit model

		CX FLEXY2 433 Smart control unit for 230V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	FX FLASH 24 LED flashing light
	KIT CODE	12Y003	10Y001	13Y002	14Y002
KF CX FLEXY	28Y004	●	● ●	●	●

CX TOP

Smart control unit for rolling shutters
equipped with 1 × 230V motor

- Programming with buttons and a display
- Power supply for 1 single-phase 230V motor
- Plug-in adapter for RX MR modular radio receiver
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm/alarm) input

- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Input status displayed
- Option to install the cover with keypad (code 171224), making it possible to control the control unit directly, when used in combination with module 171226

Technical features | 230V

Model	CX TOP
Code	12Y008
Weight (g)	800
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	230 - 50/60
Max motors load (W)	1100
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	3
Degree of protection (IP)	55

Accessories

RX MR 433

433.92 MHz plug-in receiver, also available in 868.30 MHz

Code 11Y001

AX BOX-001

3 push-button casing

Code 171224

AX PCB-001

Push-button adapter

Code 171226

Control units

CX BASIC 433

Analogue control unit with built-in receiver for rolling shutters equipped with 1 x 230V motor

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Built-in radio receiver (433,92 MHz)
- Operation with Personal Pass series transmitters
- Possibility of storing up to 30 different codes (Personal Pass)

- Start, stop / safety edge inputs
- 1 input for photocells
- Start and courtesy light from transmitter
- 230V output for flashing light or courtesy light
- Monitoring of input status shown by LEDs

CX EASY1 433

Analogue control unit with built-in receiver for rolling shutters and screens equipped with 1 x 230V motor

- 230V power supply for 1 single-phase motor
- Maximum available power for 1 motor: 700W
- Built-in radio receiver (433,92 MHz) capable of memorising up to 32 Personal Pass transmitters
- Separated start inputs to control the UP/DOWN function by two push-buttons

- Possibility to control the rolling shutter with one single pushbutton configuring the STEP BY STEP logic
- Operating with one or two push-buttons also from transmitter

Technical features — 230V

Model	CX BASIC 433
Code	12Y007
Weight (g)	800
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	230 - 50
Max motors load (W)	1100
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	3
Degree of protection (IP)	55

Technical features — 230V

Model	CX EASY1 433
Code	12Y006
Weight (g)	100
Dimensions (mm)	41 x 127 x 24
Supply (Vac - Hz)	230 - 50
Max motors load (W)	700
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	-
Degree of protection (IP)	55

Kit model

CX BASIC 433
Analogue control unit for 230V motors

TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons

	KIT CODE	12Y007	10Y001
KL CX BASIC	**28Y008**	●	● ●

Control units

CX EASY2

Analogue control unit for rolling shutters
equipped with 1 x 230V motor

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adapter for RX MR modular radio receiver
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- One photocell input with self-test function

- One mechanical, resistive or optical-type safety edge input with self-test function
- 230V output for intermittent flashing lights
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Monitoring of input status shown by LEDs

Technical features

Technical features		230V
Model		CX EASY2
Code		12Y014
Weight (g)		800
Dimensions (mm)		170 x 185 x 70
Supply (Vac - Hz)	230 - 50	
Max motors load (W)		700
Operating temperature (°C)		-20 ÷ +60
Maximum 24V accessories load (W)		3
Degree of protection (IP)		55

Kit model

|	KIT CODE	CX EASY2 Analogue control unit for 230V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons	RX MR 433 433.92 MHz plug-in receiver
		12Y014	10Y001	11Y001
KL EASY2 433	28Y010	●	● ●	●

Accessories

RX MR 433
433.92 MHz plug-in receiver, also available in 868.30 MHz
Code 11Y001

CX HEAVY1

Digital control unit for 230V three-phase motors
with INVERTER

- Programming with three buttons and a display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1x230V three-phase motor (delta connection)
- Plug-in adapter for RX MR modular radio receiver
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Three relay outputs programmable as lights, electrolock, warning light, electro-brake or functioning test 12Vdc
- 230V output for intermittent flashing lights

- Test of safety devices before each opening
- Precise adjustment of strength and speed during regular stroke and during slowdowns
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Cycle counter with programmable maintenance alerts
- Monitoring of input status using the display
- Available in version with only board or housed in a container made of plastic with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons
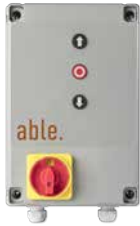
CX HEAVY1 PB

Technical features

Technical features	230V | electronic board only	230V | plastic box
Model	CX HEAVY1	CX HEAVY1 PB
Code	12Y004	12Y005
Weight (g)	1800	4500
Dimensions (mm)	200 x 172 x 80	312 x 210 x 100
Supply (Vac - Hz)	230 - 50	230 - 50
Max motors load (W)	1500	1500
Operating temperature (°C)	-20 ÷ +60	-20 ÷ +60
Maximum 24V accessories load (W)	20	20
Degree of protection (IP)	-	56

Accessories

RX MR 433
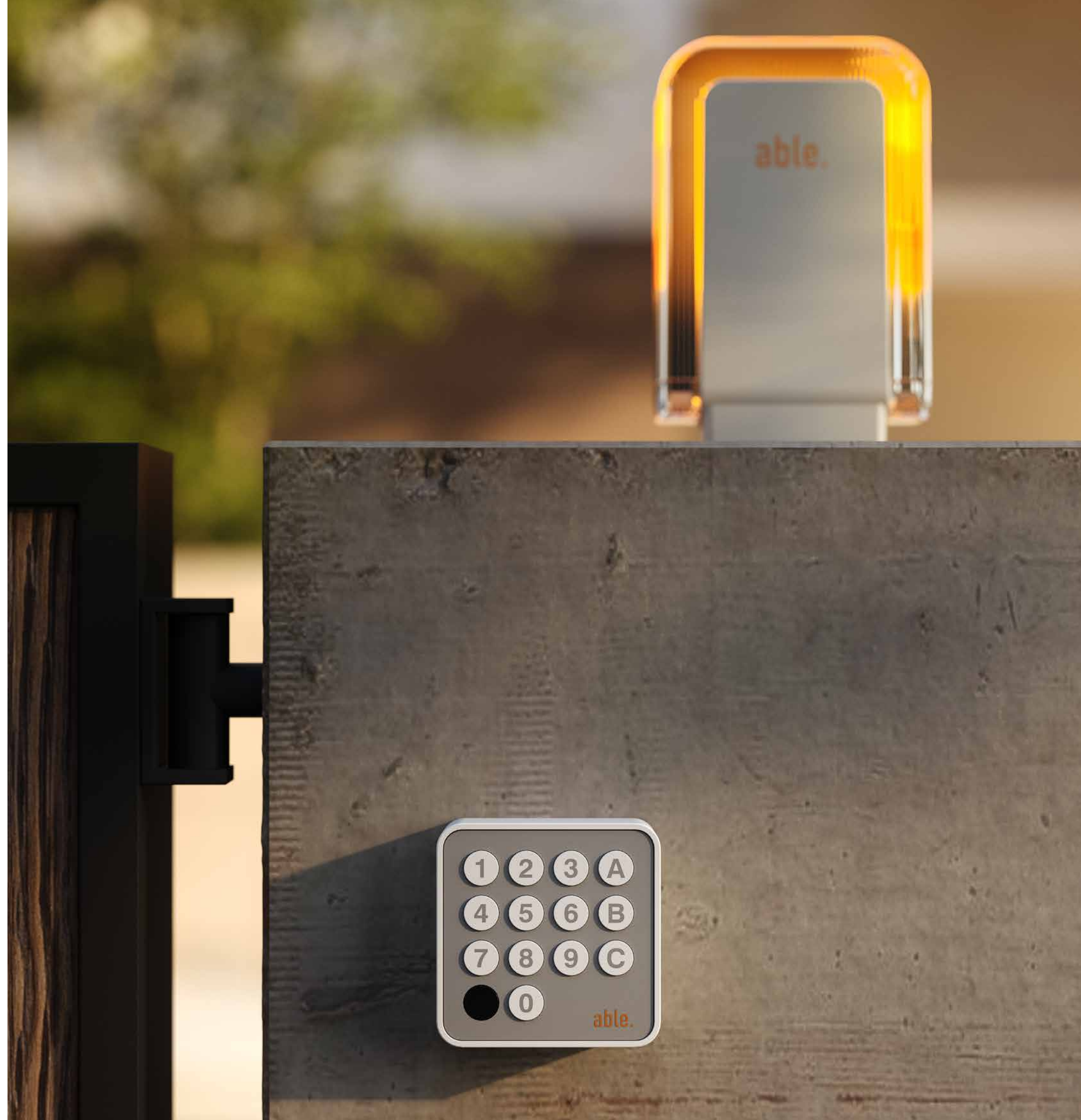433.92 MHz plug-in receiver, also available in 868.30 MHz
Code 11Y001

AX LUX
ADI module for the management of lights, traffic light or electro-brake
Code 16Y007

AX SYNCRO
ADI modules for synchronized operation of two control units
Code 16Y002

Control units

Accessories

able.

Transmitters and receivers

TX TOH

Personal Pass transmitter with rolling code
Available in versions: 433.92 - 868.30 MHz

- Rolling code transmission
- 433.92 MHz and 868.30 MHz version
- 2-button and 4-button version, programmable (P) or factory set (C)
- Possibility to obtain up to 14 channels by combining the pressure of multiple buttons
- Programming via radio through AX F-PROG and WINPPCL without having to remove the transmitter from the single box

Technical features

Model	TX TOH2 433C	TX TOH2 433P	TX TOH2 868C	TX TOH2 868P	TX TOH4 433C	TX TOH4 433P	TX TOH4 868C	TX TOH4 868P
Code	10Y001	10Y002	10Y003	10Y004	10Y005	10Y006	10Y007	10Y008
Frequency (MHz)	433.92	433.92	868.30	868.30	433.92	433.92	868.30	868.30
Buttons	2	2	2	2	4	4	4	4
Factory set	●		●		●		●	
To serialize		●		●		●		●
Range in open field (m)	300	300	200	200	300	300	200	200
Supply (battery type)	Lithium 3V (CR2032)							
Max. absorption (mA)	< 10							
Dimensions (mm)	31 x 60 x 11 (2 buttons) / 35 x 70 x 11 (4 button)							

TX PMR

Wall-mounted Personal Pass transmitter with rolling code

- Rolling code transmission
- Working range of up to 20 m in closed environments, passing through even 2 main walls, and 200 m in the open

Technical features

Model	TX PMR4
Code	10K004
Frequency (MHz)	433.92
Buttons	4
Range in open field (m)	200
Power supply (battery type)	Lithium 3V (CR2032)
Max. absorption (mA)	10
Dimensions (mm)	70 x 70 x 17

Accessories

RX WAL

12/24V outdoor receiver.
Available in versions: 433.92 and 868.30 MHz up to 4 channels

- Operates with Personal Pass series transmitters
- Monostable, bistable or timer operating logic
- Possibility to store up to 1008 different codes
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter

- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the AX PROG2 programming device and WINPPCL software
- Plug-in terminal board

Technical features

Model	RX WAL1 433	RX WAL2 433	RX WAL4 433	RX WAL2 868
Code	11Y101	11Y102	11Y103	11Y104
Frequency (MHz)	433.92	433.92	433.92	868.30
Channels	1	2	4	2
Supply	12 - 24 Vac / 12 - 36 Vdc			
Absorption in stand-by (mA)	16 @ 24 Vdc			
Relay contacts (A)	1A / 30 Vdc			
Sensitivity	⩾ -103 dBm			
S/N	> 17dB @ 100dBm m=100%			
Operating temperature (°C)	-20 ÷ +60°C			
Protection degree (IP)	55			
Dimensions (mm)	132 x 26 x 74			

RX MR

Plug-in receiver module for Able control units.
Available two in versions: 433.92 and 868.30 MHz

- Operates with Personal Pass series transmitters
- 4 programmable channels with monostable, bistable or timer operating logics
- Possibility to store up to 1008 different codes
- Memory full warning
- Self-learning of transmitters managed by radio

- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the AX PROG2 programming device and WINPPCL software

Technical features

Model	RX MR 433	RX MR 868
Code	11Y001	11Y002
Frequency (MHz)	433.92	868.30
Sensitivity	⩾ -103 dBm	⩾ -103 dBm
S/N	> 17dB @ 100dBm m=100%	> 17dB @ 100dBm m=100%
Operating temperature (°C)	-20 ÷ +60	-20 ÷ +60°
Dimensions (mm)	52 x 35 x 15	52 x 35 x 15

RX WAL2-230 433

230V outdoor receiver 433.92 MHz

- Operates with Personal Pass series transmitters
- 2 programmable channels with monostable, bistable or timer operating logics
- Power relay for loads up to 1500W
- Possibility to store up to 240 different codes
- Memory full warning
- Self-learning of transmitters managed by radio

- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the AX PROG2 programming device and WINPPCL software

Technical features

Model	RX WAL2-230 433
Code	11Y105
Frequency (MHz)	433.92
Supply (Vac - Hz)	230 - 50
Relay contacts (A)	10 (@ 250Vac)
Sensitivity	⩾ -103 dBm
S/N	> 17dB @ 100dBm m=100%
Operating temperature (°C)	-20 ÷ +60
Protection degree (IP)	55
Dimensions (mm)	113 x 113 x 57

Kit model

		RX WAL2-230 433 433.92 MHz outdoor receiver	TX T0H2 433C 433.92 MHz rolling code transmitter with 2 push buttons
	KIT CODE	11Y105	10Y001
KL GLUX 433	28Y011	●	●

CX DEV

Miniaturized receiver compatible with
Personal Pass transmitters.
Available in versions 433.92 - 868.30 MHz - Wi-Fi

Versions 433,92 - 868,30 MHz

- DEV-R1: Miniaturized receiver to control a single phase asynchronous motor
- DEV-R2: Miniaturized receiver to control a load up to 500W
- Power supply with extended range
- Very low power consumption in stand-by
- 433.92 MHz and 868.30 MHz versions
- Compatible with Personal Pass transmitters

- Possibility to store up to 30 different codes
- Two wired inputs: up and down
- Integrated button for programming operations
- Sequential storage of transmitters
- Self-learning of transmitters managed by radio

Technical features

Model	CX DEV-R1 433	CX DEV-R1 868	CX DEV-R2 433	CX DEV-R2 868
Code	12Y009	12Y011	12Y010	12Y012
Supply (Vac - Hz)	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60
Frequency (MHz)	433.92	868.30	433.92	868.30
Absorption in stand-by (W)	0.25	0.25	0.25	0.25
Operating temperature (°C)	-20 ÷ +60°C	-20 ÷ +60°C	-20 ÷ +60°C	-20 ÷ +60°C
Maximum operating time (s)	120	120	-	-
Dimensions (mm)	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41

Versions Wi-Fi 2,4 GHz

- DEV-R1: Miniaturized receiver to control a single phase asynchronous motor
- DEV-R2: Miniaturized receiver to control a load up to 500W
- Power supply with extended range
- Very low power consumption in stand-by

- Direct Wi-Fi connection
- Management via 'Able to Use' app
- Two wired inputs: up and down

Technical features

Model	CX DEV-R1 Wi-Fi	CX DEV-R2 Wi-Fi
Code	12Y709	12Y710
Supply (Vac - Hz)	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60
Frequency (GHz)	2.4	2.4
Absorption in stand-by (W)	0.25	0.25
Operating temperature (°C)	-20 ÷ +60°C	-20 ÷ +60°C
Maximum operating time (s)	120	-
Dimensions (mm)	20 x 34 x 41	20 x 34 x 41

AX WI-FI

Wi-Fi modules for programming and controlling
Able automations via apps

AX WIFI01 is the device for end users that, trough
wi-fi communications, allows the remote control of
all the automations via 'Able to Use' app.

AX WIFI02 is the device for installers that, trough
wi-fi direct mode, allows the programming of
control units and the check of installations via
'Able ti install' app.

Product data

Model	AX WIFI01	AX WIFI02
Code	16Y011	16Y018

AX PROG2

Portable programming device

- Programming with random codes of blank transmitters
- Connector for memory modules and receivers of the series RX WAL/MR to view, change, delete (partially or fully) the stored codes
- USB connector for PC connection and installation data management by means of the WINPPCL software

Product data

Model	AX PROG2 433	AX PROG2 868
Code	161006	161007
Frequency (MHz)	433.92	868.30

AX F-PROG

Quick programmer for THO transmitters

- Programming via radio of TOH transmitters by simply placing the remote control on the programmer and proceeding with programming with Winppcl
- Dual frequency: enables programming 433.92 MHz and 868.30 MHz transmitters

- Direct connection to a PC via USB port
- Possibility to manage programming also via AX PROG2

Product data

Model	AX F-PROG
Code	161009

Accessories

WINPPCL

Administration software

WinPPCL software is a program allowing the storage, consultation and updating of all the data and all the settings of the systems by using a database.

WinPPCL can be used both by itself and also when connected to the AX PROG2 portable programming device. In the former case, it is only possible to work with the Data Base, while in the latter case, all the Able device read/write operations can be performed.

In order to be 'Able to Use' WinPPCL, it is necessary to obtain a contract activation code from Able which will allow the devices to be customized with their own client codes.

It allows the installers to optimise their time by programming all the Able transmitters and accessories directly in their own workshop.

The configuration settings are then simply transferred to the receivers or the memory devices using the AX PROG2 device and installed on the system on site.

It allows rapid activation of a new user thanks to the option to automatically generate a series of random codes and then downloading them onto the receiver.

To activate a new user, simply program a blank transmitter with one of the codes already present in the memory.

WinPPCL also automatically checks the random codes generated in order to prevent preexisting codes from being created.

It allows printing and exporting of all information regarding users, transmitters, receivers and installations.
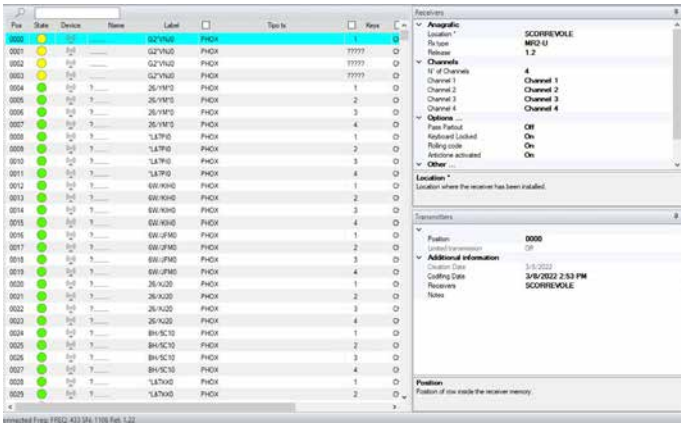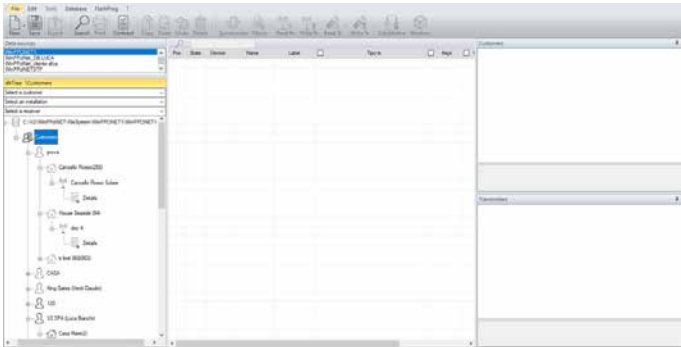
It allows tracing a transmitter within the database by displaying the receivers in which it is present.

It allows the generation of transmitters, capable of substituting a transmitter previously memorised in a RXWAL/RX MR series receiver, via radio.

Available in versions for S.O. 32-bit and 64-bit, compatible with Windows 7, 8, Vista, 10, 11.

Product data

Model	WINPPLC
Code	21A001

Security devices and accessories

Accessories

K ECO-24

Solar energy kit

- System to power the 24V automations with just solar energy
- This system allows the automation of installations, very far from the mains, without excavation works
- The panel converts the solar light into electric energy, stored in the battery box
- The battery box provides full autonomy to Able 24V systems, day and night and even after long periods of bad weather
- In the event of batteries being fully discharged, a quick charge is available via the additional 230V power adaptor
- Possibility to install an additional panel for intensive use or installed in the shade automations

- Three LED on the front of the unit indicate the charge level of the batteries
- Two simple Plug-in connectors at the side of the unit provide quick and easy connection of both the control unit and solar panel
- The connector used for solar panel can also be connected to the auxiliary power supply
- Wiring for connection to compatible devices included

550 mm · 25 mm · 450 mm · 189 mm · 267 mm · 198
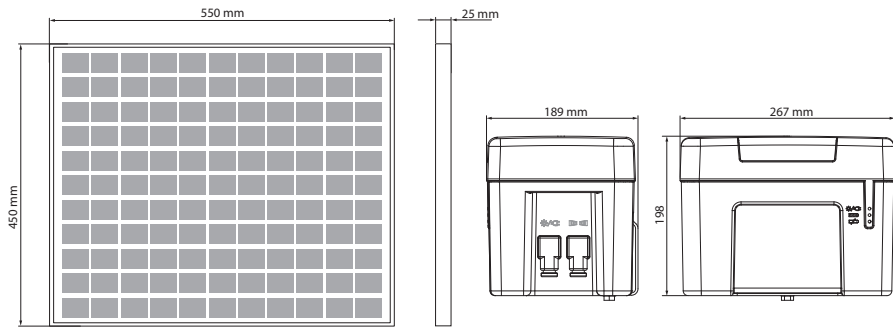
Technical features

Model	K ECO-24		AX ECO-24 PW
Code	28Y007		172802
	accumulator unit	solar panel	-
Voltage output towards the control unit (Vdc)	24 - 28	-	-
Nominal voltage (Vdc)	-	24	-
Voltage at maximum power point (Vdc)	-	-	230 - 50
Power supply (Vac - Hz)	-	-	-
Maximum current (A)	16	-	-
Peak nominal power (W)	-	30	36
Battery capacity (Ah)	18	-	-
Mains recharge time (h)	~15	-	-
Protection degree (IP)	44	-	-
Operating temperature (°C)	0 ÷ +40 (charging) -20 ÷ +50 (in use)	-40 ÷ +85	0 ÷ +30
Weight (Kg)	12	3.5	1,7

Accessories

AX ECO-24 PW
Auxiliary power supply for mains charging
Code 172802

AX ECO-24 SP
Additional solar panel
Code 172808

PX XS 24

Miniaturized wall-mounted and pillar mounted photocells, synchronised and self-aligning

- Very small size
- New water safety gaskets
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight

Technical features

Model	PX XS 24
Code	13Y002
Optical range (m)	20
Degree of protection (IP)	55
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	90 x 38 x 25

PX S 24

Wall-mounted and pillar mounted photocells, synchronised and adjustable (30°)

- Adjustable by 30°
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight

Technical features

Model	PX S 24
Code	13Y001
Optical range (m)	25
Degree of protection (IP)	44
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	90 x 42 x 36

Accessories

PX M 24

Ultra thin wall-mounted and pillar-mounted photocells synchronised and self-aligning

- Ultra thin, die-cast aluminium case
- New water safety gaskets
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight
- Can be installed on the AX PIL100 column using the AX PIL ADAPTER

Technical features

Model	PX M 24
Code	13Y008
Optical range (m)	15
Degree of protection (IP)	44
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	70 x 70 x 30

PX L 180-24 PL

Wall-mounted and pillar-mounted photocells, synchronized (up to 8 pairs of devices) and adjustable (180°)

- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- New water safety gaskets
- Syncronized: ability to set 8 different transmission codes to simultaneously use 8 pairs of photocells without mutual interference
- Automatic slowdown of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes

Technical features

Model	PX L 180-24 PL
Code	13Y004
Optical range (m)	20
Degree of protection (IP)	55
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	118 x 52 x 42

PX L 180-24

Wall-mounted and pillar-mounted photocells, synchronised and adjustable (180°)

- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- New water safety gaskets
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight

Technical features

Model	PX L 180-24
Code	13Y003
Optical range (m)	20
Degree of protection (IP)	55
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	118 x 52 x 42

PX L 180-24 WL

Wall-mounted and pillar-mounted photocells, synchronized, adjustable (180°) with battery powered transmitter.
For 230V automation only

- 2 batteries included with the device
- New water safety gaskets
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Synchronised: the synchronism circuit allows the installation of two pairs of very clo ase photocells, without them
- interfering with one another
- Automatic slowdown of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes
- LED to simplify the tuning of the system and to indicate when the battery is low

Technical features

Model	PX L 180-24 WL
Code	13Y005
Optical range (m)	20
Degree of protection (IP)	54
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Supply TX	2 batteries 1,5V AAA
Dimensions (mm)	115 x 41 x 38

Accessories

PX L 180-24 BL

Armoured wall-mounted photocells, synchronized and adjustable (180°)

- Shockproof aluminium cover
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight

Technical features

Model	PX L 180-24 BL
Code	13Y006
Optical range (m)	20
Degree of protection (IP)	55
Operating temperature (°C)	-20 ÷ +60
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	74 x 141 x 55

AX PIL

Pair of aluminium pillars for photocells

- Able photocells can be easily mounted at the desired height, granting them total protection
- Aluminium frame
- Polycarbonate front cover
- 3 point ground anchoring
- AX PIL ADAPTER for mounting of AX KEY-S, AX KEY-B, AC READER, PX M 24 on AX PIL100 pillars
- Pack of 2 pieces

AX PIL ADAPTER

Technical features

Model	AX PIL50	AX PIL100	AX PIL ADAPATER
Code	16Y012	16Y013	16Y017
Height (cm)	50	100	-

AX PIL50   AX PIL100

AX WSIGN

Warning sign

Technical features

Model	AX WSIGN
Code	16Y001

FX FLASH

LED flashing light.
Available in two versions: 24V and 230V

- LED device that does not need any maintenance
- Automatic built-in intermittence circuit
- Can be installed on a flat surface or on wall using the bracket supplied with the product
- Built-in antenna

Technical features

Model	FX FLASH 230	FX FLASH 24
Code	14Y001	14Y002
Protection class	IP54	IP54
Operating temperature (°C)	-20 ÷ +50	-20 ÷ +50
Supply (Vac - dc)	90 - 240	12 - 36
Power (W)	4	4
Bulb	White LED	White LED
Integrated intermittence	Yes	Yes
Max operating cycle	33% (5s ton, 10s toff)	50% (5s ton, 5s toff)
Dimensions (mm)	100 x 55 x 155	100 x 55 x 155

FX BLINKO

LED flashing light

- LED device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit

Technical features

Model	FX BLINKO
Code	14Y003
Supply (Vac - dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Degree of protection (IP)	54
Operating temperature (°C)	-20 ÷ +60
Integrated intermittence	Yes
Dimensions (mm)	90 x 43 x 36

Accessories

FX ML6

Multivoltage LED module

- LED device that does not need any maintenance
- It replaces normal filament bulbs inside the already-installed flashing lights
- It is suitable for all types of flashing lights thanks to multi-voltage technology

- Easy installation thanks to a screw connector for using ML6 on common couplings of E14 bulbs
- Its extractable terminal board prevents cable twisting during installation

Technical features

Model	FX ML6
Code	14Y004
Supply (Vac - dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Operating temperature (°C)	-20 ÷ +60
Dimensions (mm)	74 x 32 x 30

AX ANS-001

Outdoor antenna with protective covering for receivers provided with 2.5 m RG-58 cable

Technical features

Model	AX ANS-001
Code	19A001
Frequency (MHz)	433 ÷ 868
Impedence (Ohm)	50
Gain (db)	2.5

AX T-LIGHT

Traffic light

- 24V traffic light with two lamps: green and red
- Body in painted aluminium with nylon parts
- 3W LED bulbs
- Adjustable up to 200° in horizontal plane

- Screen for bulb Ø 120 mm in polymethacrylate

Technical features

Model	AX T-LIGHT
Code	161220
Supply (Vac - dc)	24
Degree of protection (IP)	65
Operating temperature (°C)	-30 ÷ +80
Dimensions (mm)	180 x 410 x 290

AX WES

Radio control system for safety edges

- The system consists of a receiver connected directly to the control unit and one or more transmitters connected to the safety edges
- The receiver is powered by the control unit and constantly checks the status of the connected sensors
- Up to a maximum of 16 transmitters can be connected to each receiver

- Each transmitter is able to control up to 2 traditional safety edges with N.C. contact. or resistive (8.2kohm)
- The system is compatible with any control unit
- Also available in TX + RX kit (code 35Y013)

Technical features

Model	AX WES-RX	AX WES-TX
Code	35Y011	35Y012
Supply (Vac - dc)	12 / 24	2 x LR6/AA (1,5V-2600mAh)
Degree of protection (IP)	44	54
Operating temperature (°C)	-20 ÷ +60	-15 ÷ +50
Absorbed current (mA)	70	-
Stand-by time	-	DIP1 OFF 1 year / DIP1 ON 2 years
Outputs (relay switch)	2 safety edge alarms	-
Number of radio channels	up to 16	-
Inputs	-	2 mechanical or resistive edges
Maximum range (m)	0	20
Dimensions (mm)	180 x 65 x 40	160 x 50 x 25

Accessories

AX LOOP

Inductive loop detectors

- Detection system controlled by a microprocessor which enables achieving a remarkable accuracy and user notification by means of LED messages
- 4 adjustable sensitivity levels (for two-channels: can be set separately for each sensor)
- The modular container can be fitted into the DIN rail

Single-channel detector

- 2 output relays: 1 permanent, 1 pulse
- The permanent output relay can be set normally open or normally closed

Two-channel detector

- Presence detection function: reports the presence of a vehicle through relay 1 and relay 2 pulse when the vehicle leaves the sensor
- Transit direction detection function (output that can be set either to fixed or pulse): activation of relay 1 for a transit direction and the other relay for the other direction

Technical features

Model		AX LOOP DET1	AX LOOP DET2
Code		162241	162242
Supply (Vac - dc)		24 (+/- 10%)	24 (+/- 10%)
Absorbed power (W)		1.5	2
Outputs (relay switch)		1 permanent relay / 1 pulse relay	2 permanent relays
Frequency (KHz)		30 ÷ 130	30 ÷ 130 20
Dimensions (mm)		79 x 22.5 x 90	79 x 22.5 x 90

Accessories

AX LOOP CAB 9M
Perimeter wire (9 m)
Code CAB106

AX M-SAFEDGE

Mechanical safety edges.
Available in differen lengths: 1.5 m, 1.7 m and 2.0 m

- Rigid metal wire as the sensitive element inside a rubber body
- Device activated by exerting pressure on the edge
- Signal, once detected and intercepted by the control unit, transduced into the motion block
- Mechanical safety edges pre-assembled on aluminium strips and are available in lengths: 1.5 m, 1.7 m, 2.0 m

Technical features

Model	AX M-SAFEDGE 15	AX M-SAFEDGE 17	AX M-SAFEDGE 20
Code	162301	162302	162303
Length (m)	1.5	1.7	2

AX TOUCH-L

Resistive safety edges

- Constant monitoring is achieved using the closed-circuit principle.
- The last safety contact edge in a possible serial connection is fitted with a terminal resistor, which is continuously monitored by an electronic evaluation unit.
- Thus allowing the entire circuit to be monitored for shorts and wire breaks.

Technical features

| Model	AX TOUCH-01	AX TOUCH-02	AX TOUCH-03	AX TOUCH-04	AX TOUCH-05
Code	35Y001	35Y002	35Y003	35Y004	35Y005
Description	Aluminium strip length 2 m	Aluminium strip length 3 m	Rubber strip length 25 m height 30 mm width 25 mm	End plug with cable	End plug with resistance

Technical features

Model	AX TOUCH-06	AX TOUCH-07	AX TOUCH-08	AX TOUCH-09	AX TOUCH-10
Code	35Y006	35Y007	35Y008	35Y009	35Y010
Description	Aluminium strip length 2 m	Aluminium strip length 3 m	Rubber strip length 30 m height 55 mm width 35 mm	End plug with cable	End plug with resistance

Accessories

able.

AX FORCETEST

BlueForce Smart Impact Force Measurement Instrument

· According to EN12445
· Bluetooth/USB interface
· Software included
· Complete with case
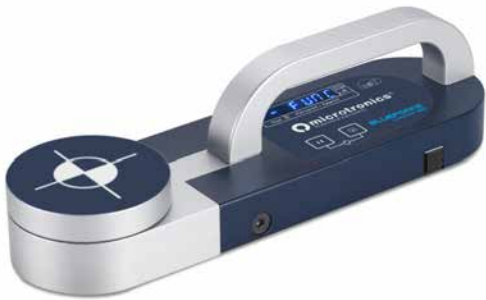
Technical features

Model	AX FORCETEST
Code	16Y015

Access devices

Access devices

Decoder

Accessories

AX KEY-S

Outdoor key switch burglar-proof

- Die-cast aluminium frame
- Burglar-proof
- Ultra-thin
- Waterproof: internal gasket to protect the case against water infiltration

- Ten different key switches available to manage installations physically close to each other in total safety and keep track of them for future replacement: 20Y002-20Y010
- Can be installed on the AX PIL100 column using the AX PIL ADAPTER

Product data

Model	AX KEY-S 01
Code	20Y001
Degree of protection (IP)	44
Operating temperature (°C)	-20 ÷ +55
Dimensions (mm)	70 x 70 x 32

AC READER

Wired proximity reader

- Proximity systems are used with automation systems where it is necessary to use customized keys to control access
- The proximity reader must be interfaced with a AC DEC4 decoder
- The keys and proximity cards are stored in the decoder
- Just move a key near the AC READER to execute the command set in the decoder
- Proximity keys can be factory serialised or programmed by the installer

- The proximity keys are 'read & write' devices that can be reprogrammed countless times
- The access device programming code is unique and extremely safe
- Visual signalling through LED and acoustic through internal buzzer
- Die-cast aluminium case
- Ultra thin
- Can be installed on the AX PIL100 column using the AX PIL ADAPTER

Product data

Model	AC READER	AC TAG
Code	15Y001	15Y003
Frequency (KHz)	125	125
Degree of protection (IP)	54	55
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Supply (Vac - dc)	12 - 24	-
Max absorption (mW)	700	-
Dimensions (mm)	70 x 70 x 26	22 x 30 x 5

AX KEY-B

Digital radio or wired switch

- Die-cast aluminium case for effective vandal-proof safety
- Ultra thin
- Available in radio and wired versions
- Waterproof: internal gasket to protect the case against water infiltration
- Safe combination 999,999,999 possible combinations

- 9 different transmission channels to control one or more automations for outdoor awnings, shutters, shutters, doors, garage doors and gates of various types
- Backlit keypad and acoustic feedback
- Low consumption: the device is activated only when a key is pressed, once the transmission is finished it returns to stand-by
- Can be installed on the AX PIL100 column using the AX PIL ADAPTER

Product data

| Model	AX KEY-B	AX KEY-B 433	AX KEY-B 868
Code	20Y011	20Y012	20Y013
Frequency (MHz)	-	433.92	868.3
Degree of protection (IP)	44	54	54
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Supply	12-24 Vac/dc	3V (1 x CR2032 lithium battery)	3V (1 x CR2032 lithium battery)
Max absorption (mA)	45 (24 Vac)	15	15
Range in open field (m)	-	100	100
Dimensions (mm)	70 x 70 x 27	70 x 70 x 27	70 x 70 x 27

AC DEC4

Remote decoder

- Programming via button and LED
- 4 normally open output relays
- Option to select the output type: monostable, step or timer
- Possibility to store up to 1008 different codes

- Basic programming using button or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board

Product data

Model	AC DEC4
Code	15Y002
Degree of protection (IP)	55
Operating temperature (°C)	- 20 ÷ + 60
Relay contact (A)	1 @ 30 Vdc
Supply (Vac - dc)	12 - 24
Absorption in stand-by (mA)	17
Maximum data wire length (m)	100
Dimensions (mm)	74 x 132 x 26

Accessories
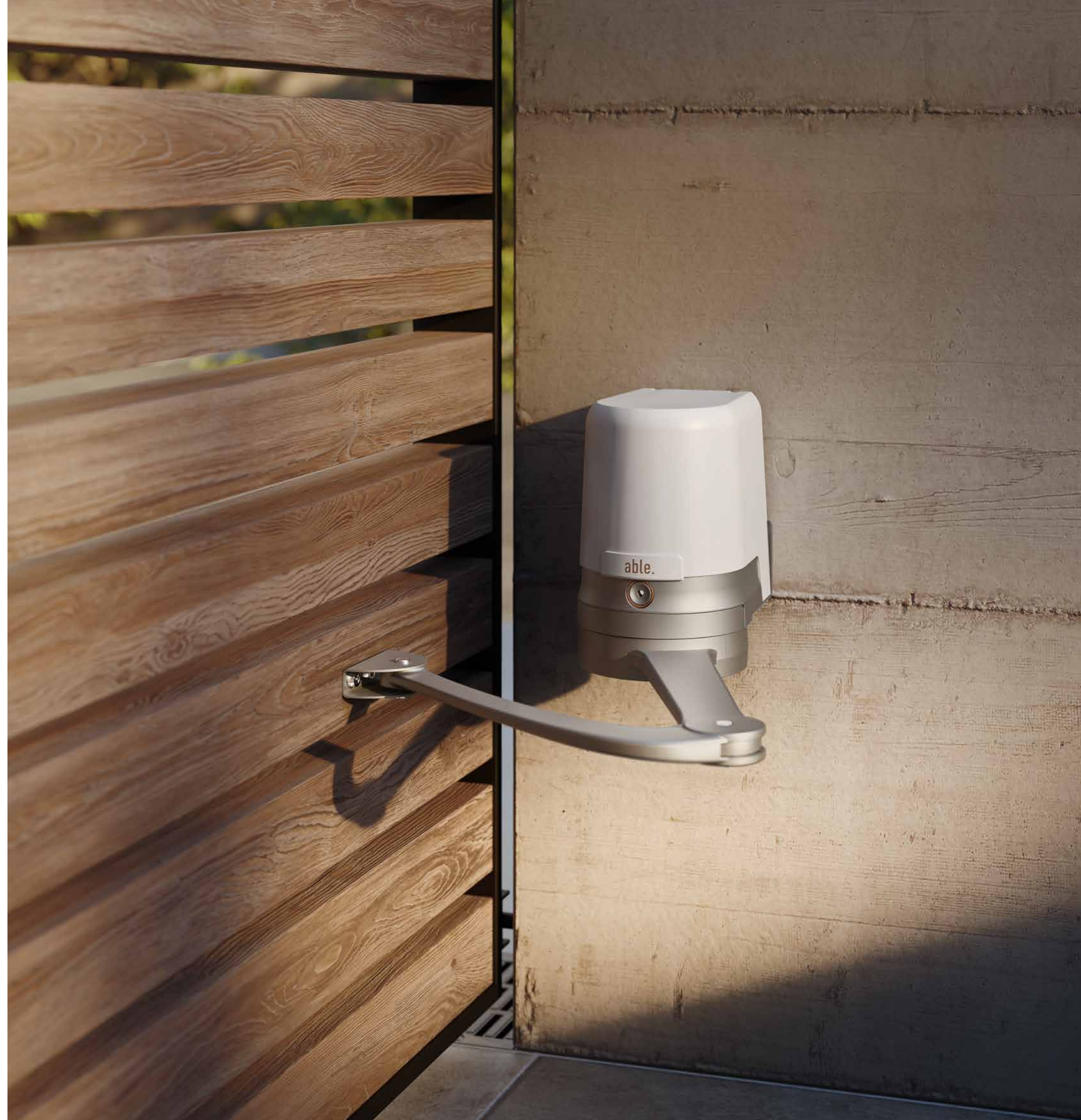
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