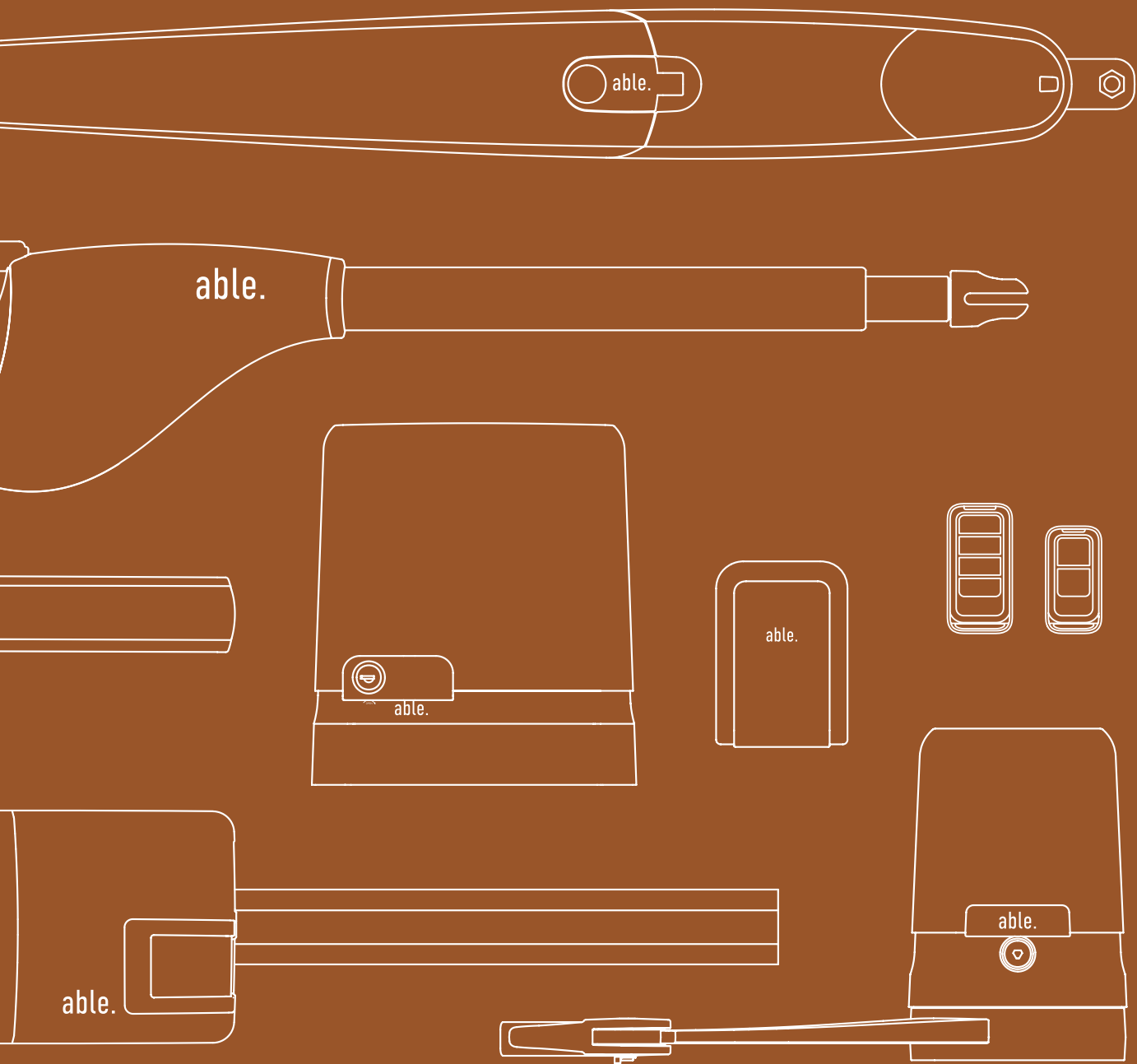


able. 



able. $\sqrt{2}$



Index

Motors for sliding gates	p. 16
Motors for swing gates	p. 28
Telescopic motors for swing gates	p. 30
Linear and hydraulic motors for swing gates	p. 36
Articulated arm actuator for swing gates	p. 48
Underground motors for swing gates	p. 56
Barriers	p. 60
Motors for garage doors and rolling shutters	p. 70
Motors for garage doors	p. 72
Motors for rolling shutters	p. 80
Control units	p. 88
Accessories	p. 100
Transmitters and receivers	p. 102
Security devices and accessories	p. 109
Access devices	p. 121

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

Easy to use

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

Protected

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



Always connected

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

Flexible

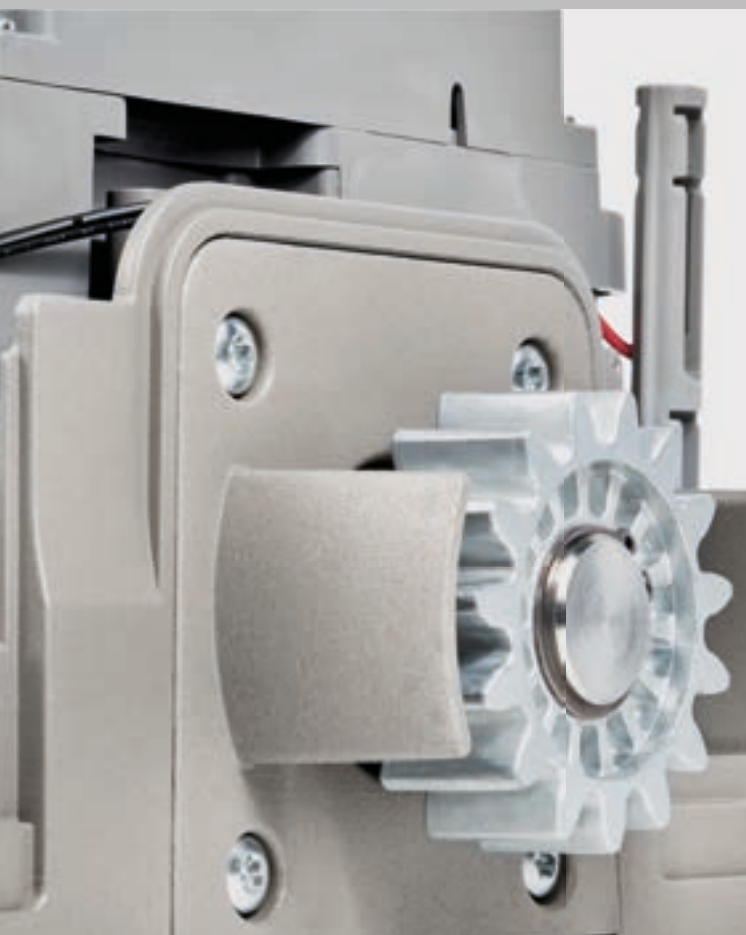
Adaptation plates for all major products on the market, with extensive customization options



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 WIFI01 and AX WIFI02 are pocket-sized Wi-Fi modules for programming and controlling Able automations directly from smartphones

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.

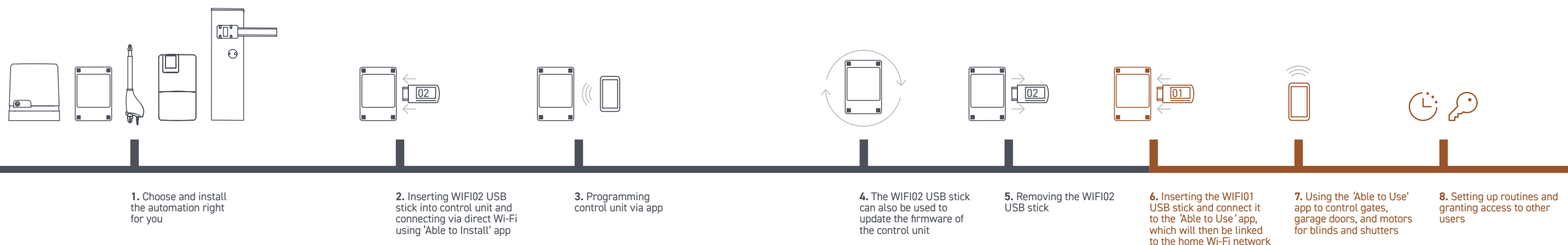


Automations at a glance. All devices in a single dashboard.

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.



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).

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.

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 length descriptions

Create your own system

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

Designed for easy management of home automations

At your fingertips

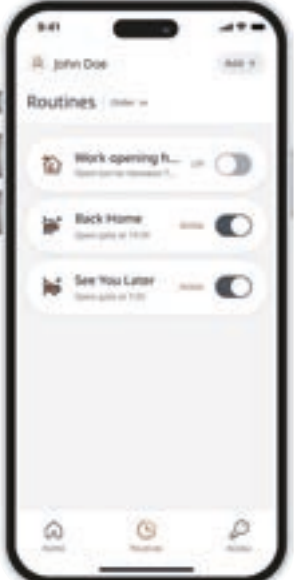
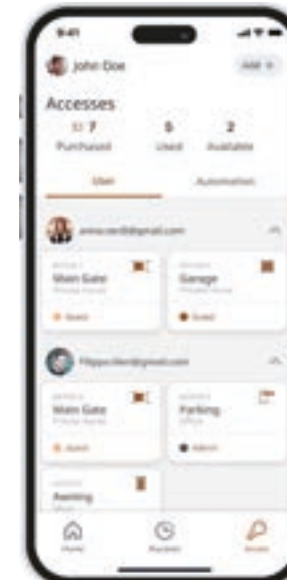
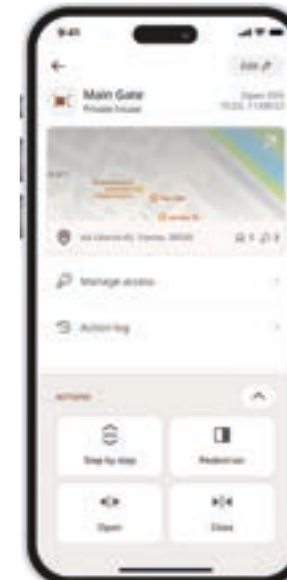
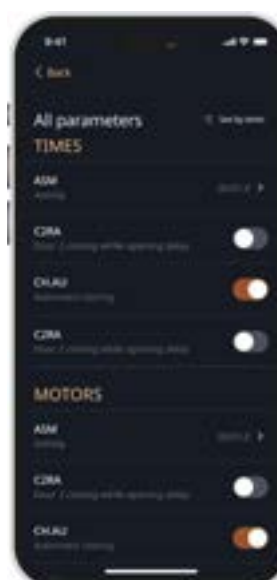
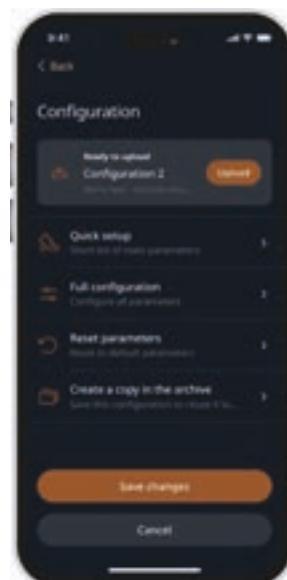
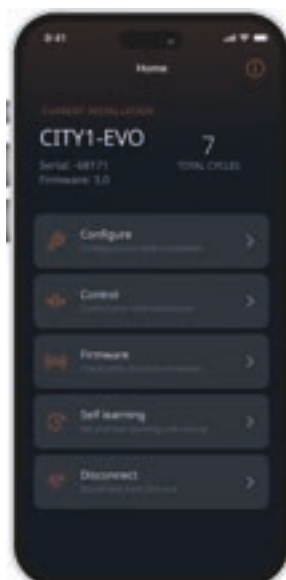
Choose among three different behaviours for your automation

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

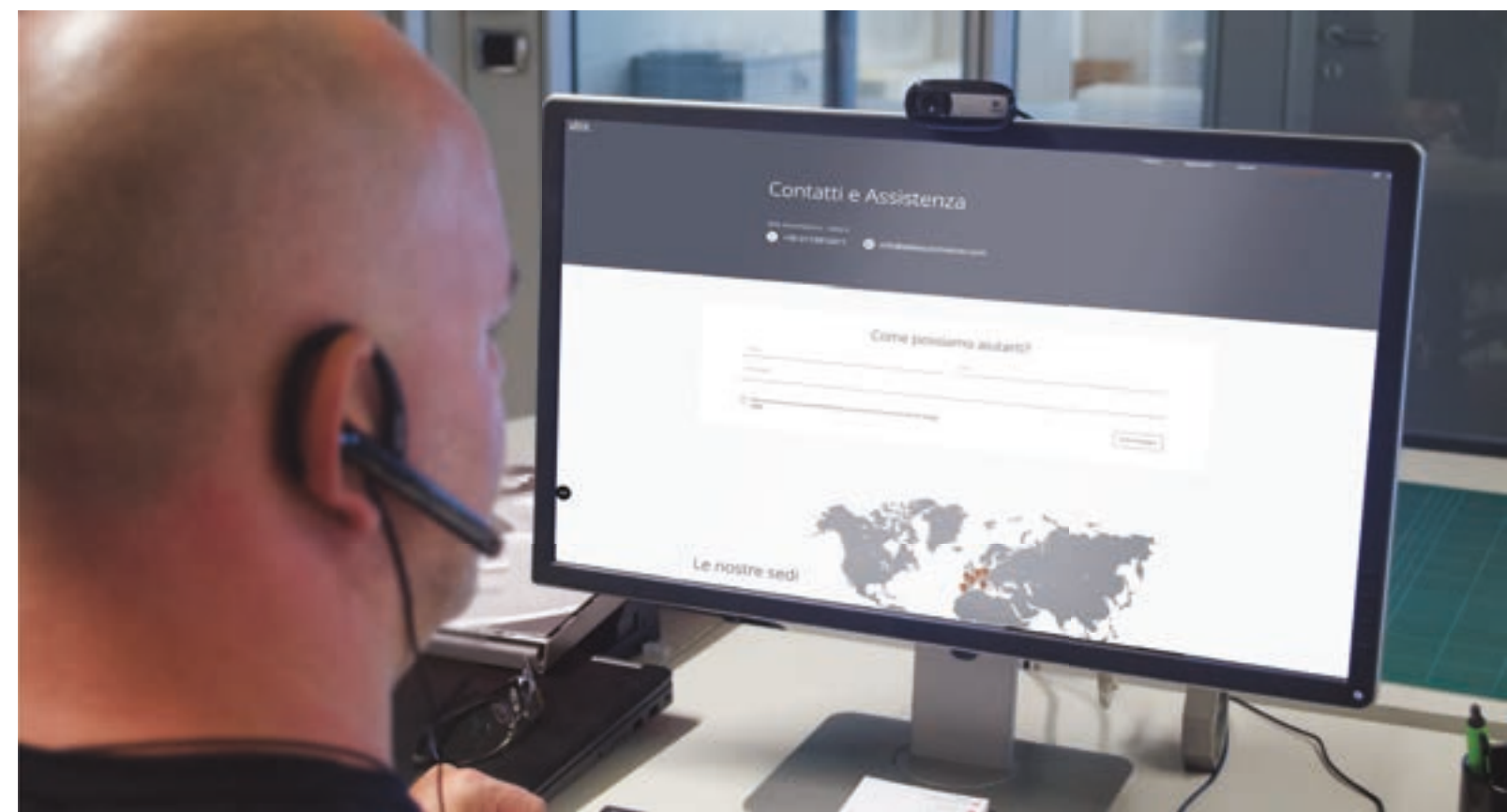
Each four-channel remote control can execute up to fourteen functions by combining key pressures. Additionally, the system offers flexible programming options to customize each key's operation.

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

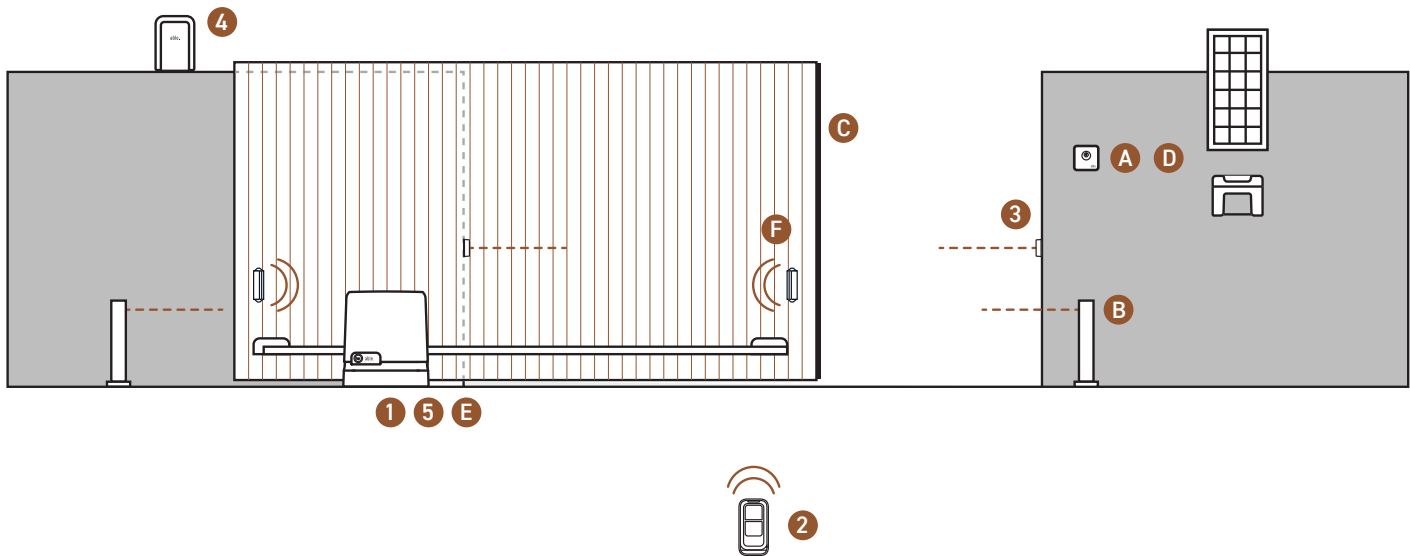
Able provides unparalleled assistance throughout your automation journey, from product selection to expert installation. Our global network ensures local support, readily available through various channels. Dedicated technicians offer expert guidance, ensuring optimal system performance and customer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



Motors for sliding gates



Motors for sliding gates



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

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

SL Small

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

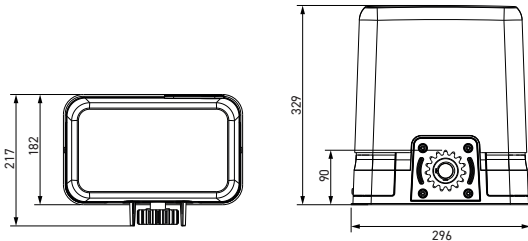
- Integrated digital control unit
 - Painted aluminum casting
 - Precise and safe operation
 - Self-learning of opening and closing times
 - Synchronized motor operation via AX SYNCRO module
 - Magnetic limit switch
 - Programming via 3 buttons and display
 - Radio receiver plug-in connector
 - 2 inputs 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



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
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	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



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

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



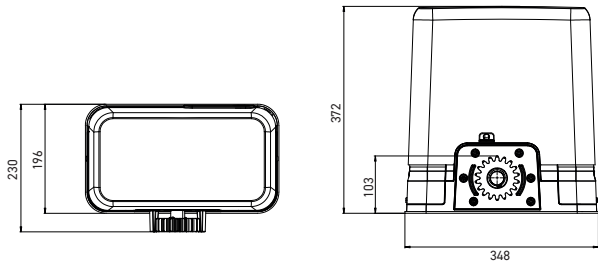
Technical features

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	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

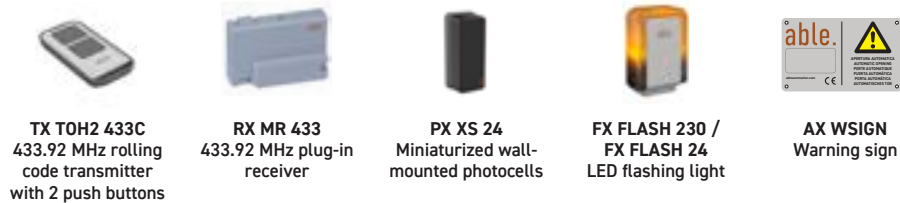
Electrical data

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

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



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	• •	•			

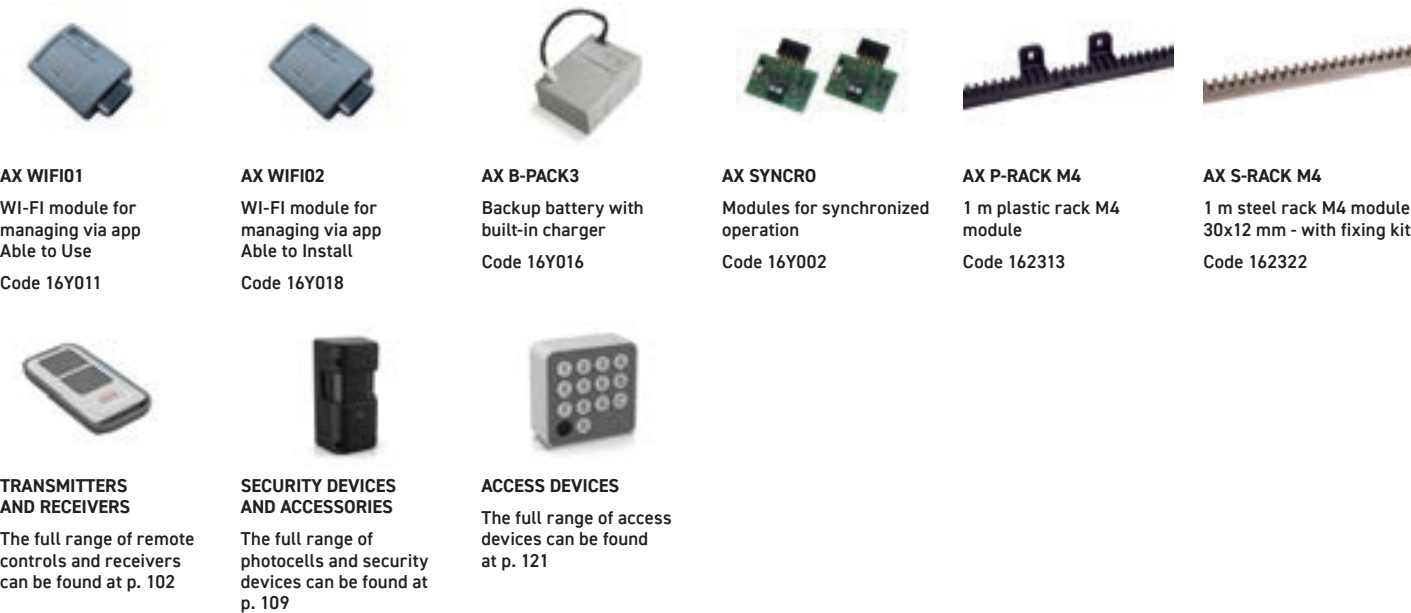
Kit full

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



Accessories



SL Large

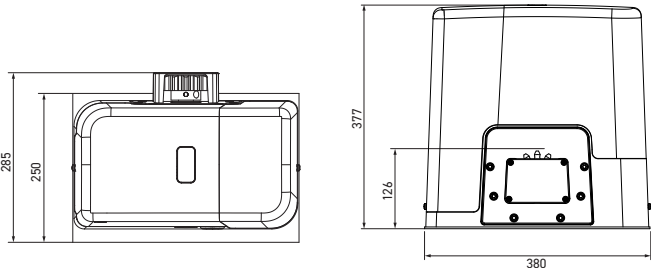
Irreversible electromechanical rack actuator motor reducer for sliding gates weighing up to 2500 kg.
Available in two versions: 230V and 230V with inverter

- 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)



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

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-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

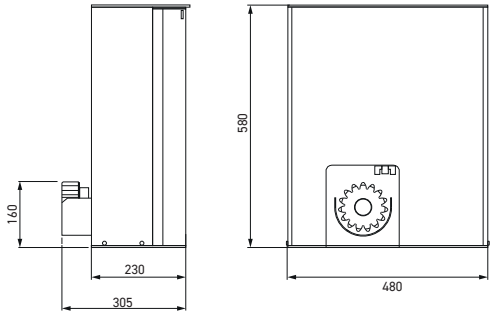
SL Extra Large

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



Technical features



Product data

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

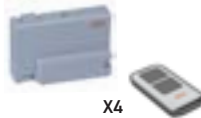
Gate speed (m/s)	0.016 - 0.32
Maximum thrust (N)	3200
Working cycle (cycles/hour on 10 m gate)	14 (16 cm/s)
Pinion	M6-Z18

230V | 4000 kg

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

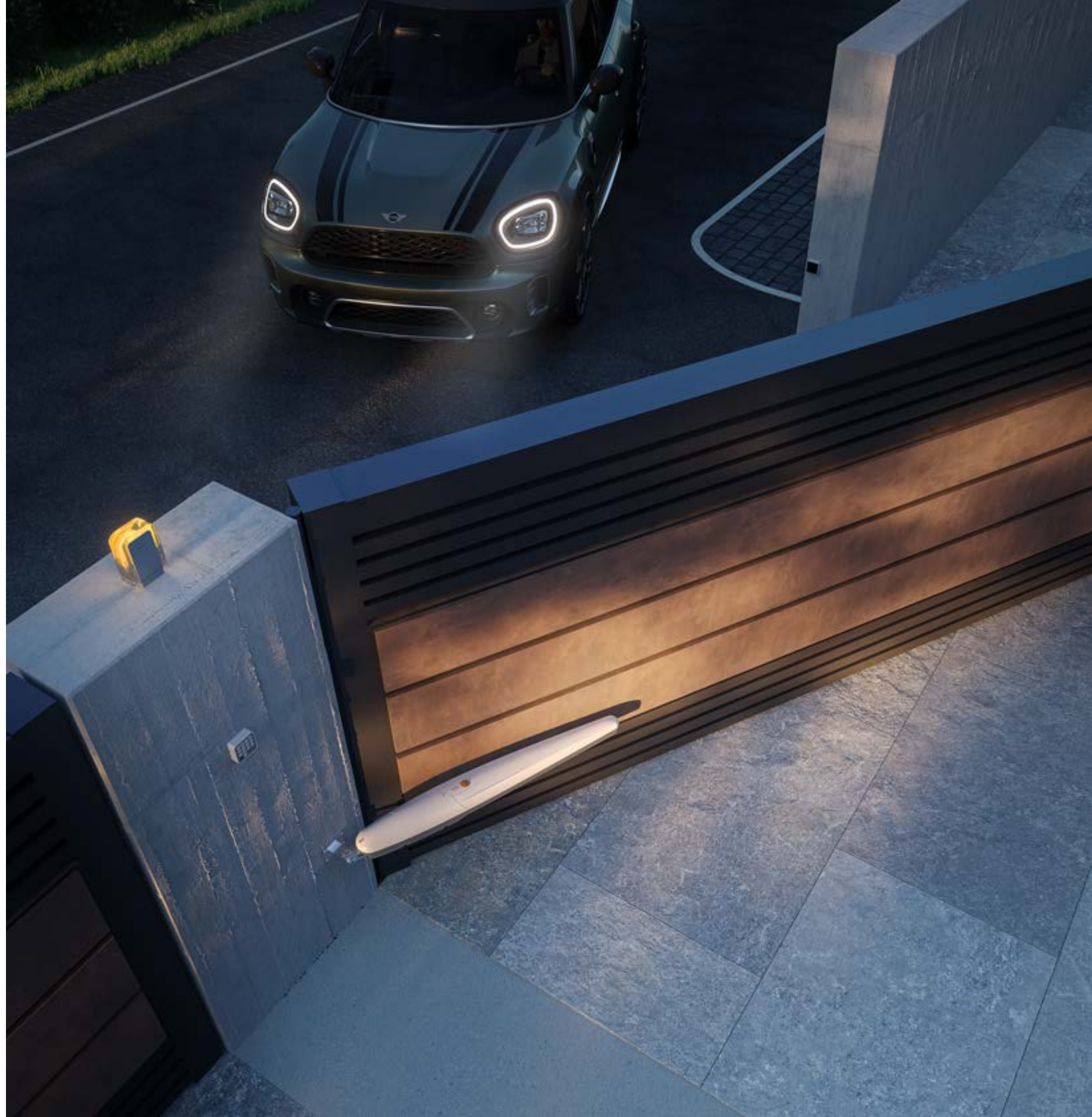


SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

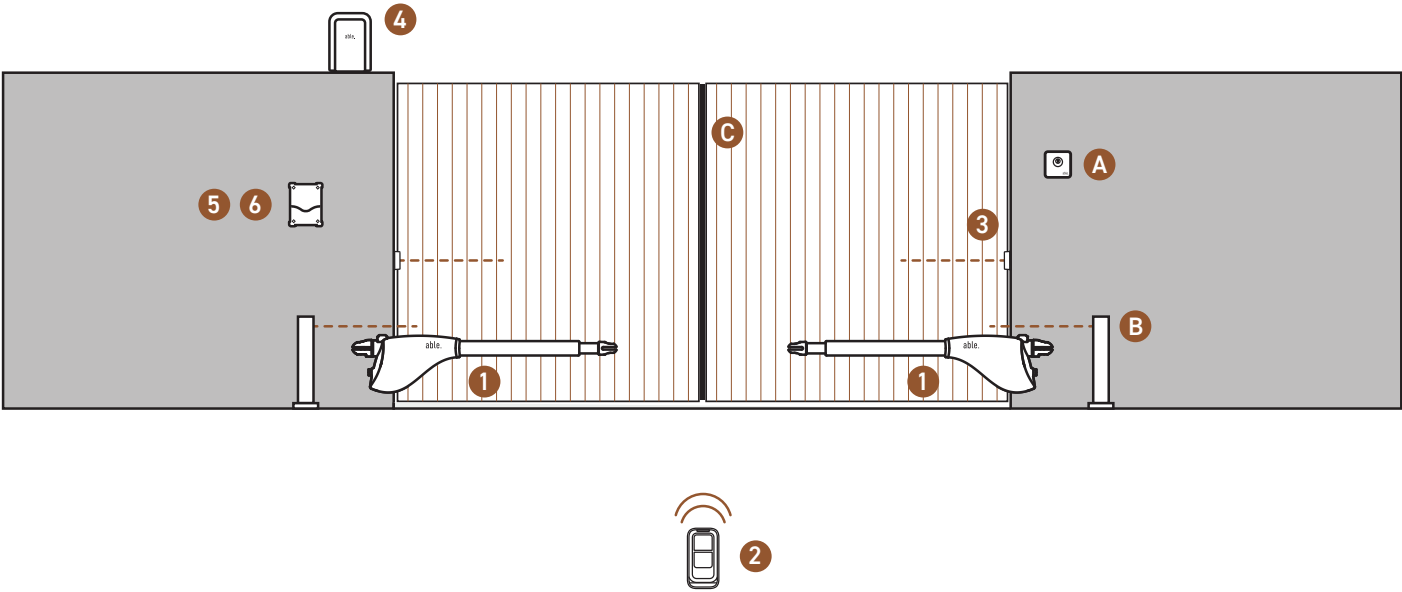


ACCESS DEVICES
The full range of access devices can be found at p. 121

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

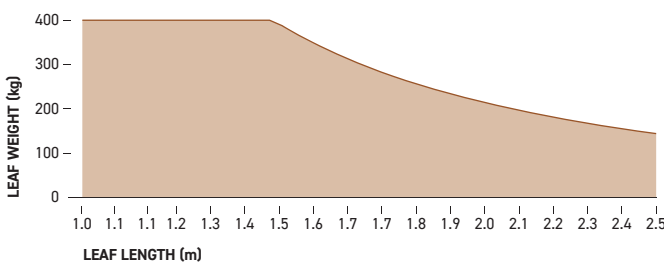
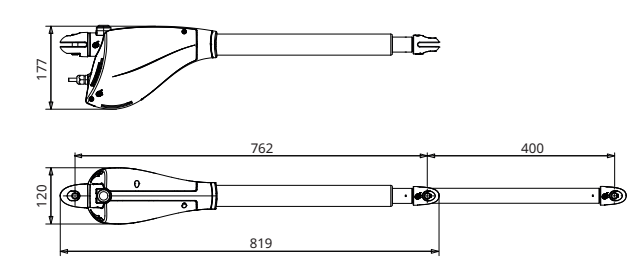
TL Small

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



Product data		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 EV01 / CX FLEXY 433
Universal digital or smart control unit for 230V motors



TX T0H2 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 EV01	• •	•			
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 EV01	• •	•	•	14Y001	•
KF TL SMALL 400 230F (smart)	29Y006	CX FLEXY 433	• •		•	14Y002	•

Control units to be used



CX EV01
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

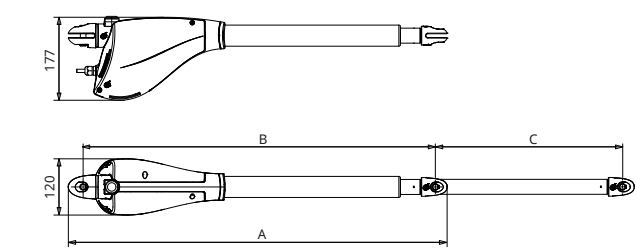
TL Medium

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

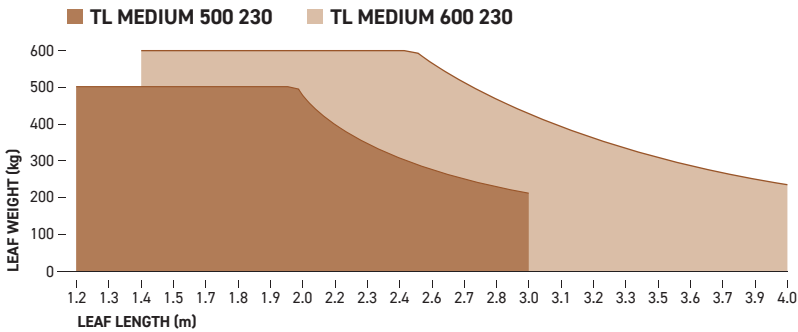
- Single version for both right and left leaves
- Practical release system, easy single-handed operation
- Anti-wear gears for a very high resistance motor
- Protected power cable position



Technical features



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



Product data		230V 3 m	230V 4 m
Model		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

Control units to be used



CX EV01
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

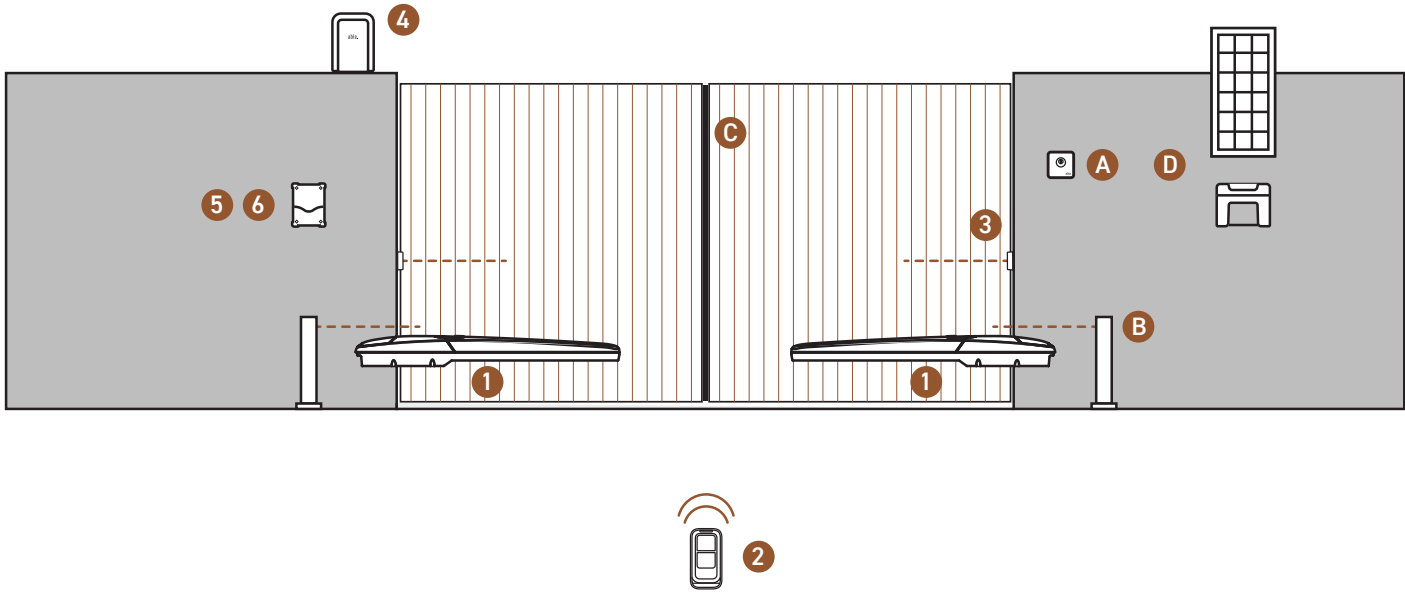


SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109



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

Linear and hydraulic motors for swing gates



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

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

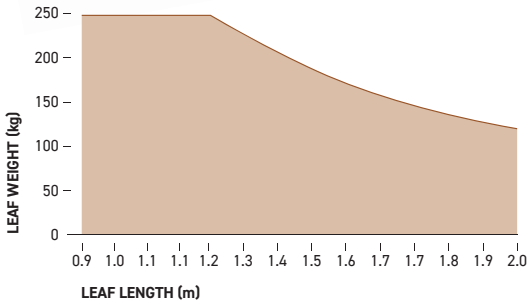
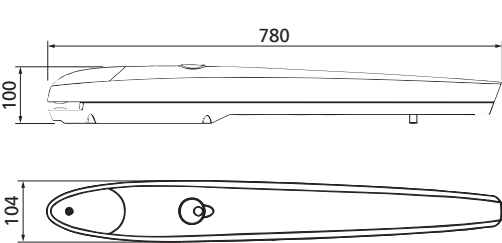
LN Small

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



Product data

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 EV02
Universal digital control unit for 24V motors



TX T0H2 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 EV02
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

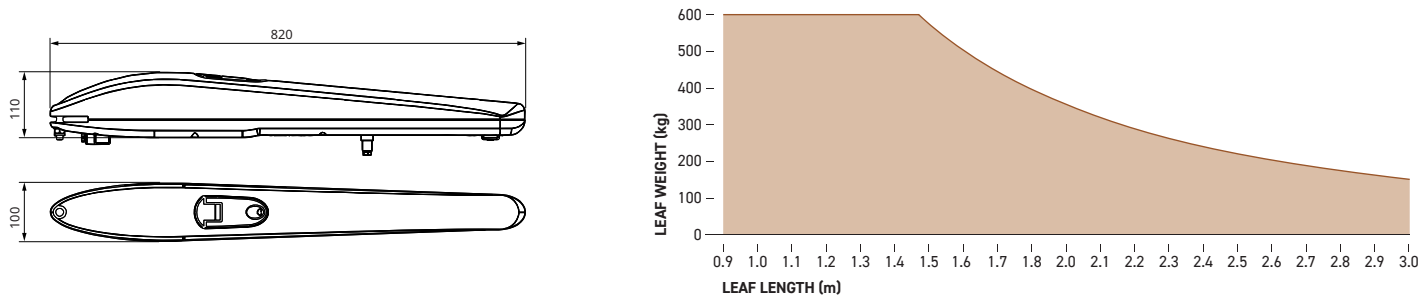
LN Medium

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



Technical features



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 EV01 / CX EV02 Universal digital control unit for 230V / 24V motors	TX T0H2 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 EV02	• •	•			
KL LN MEDIUM 3000 230E	29Y012	CX EV01	• •	•			

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 EV02	• •	•	•	14Y002	•
KF LN MEDIUM 3000 230E	29Y011	CX EV01	• •	•	•	14Y001	•

Control units to be used

CX EV01 Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V Code 12Y001	CX EV02 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			

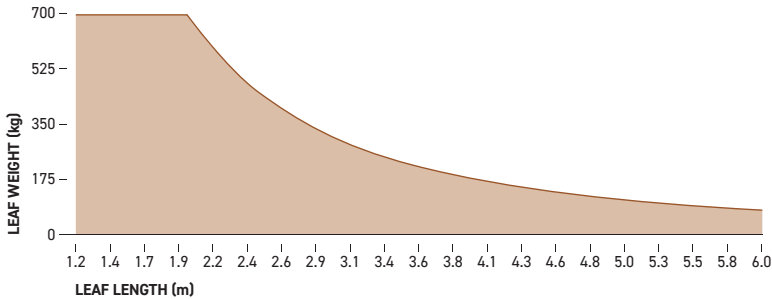
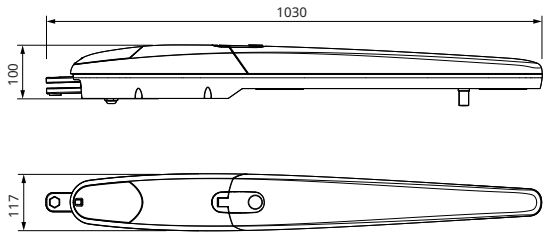
LN Large

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



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

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

Control units to be used



CX EV01
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001



CX EV02
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

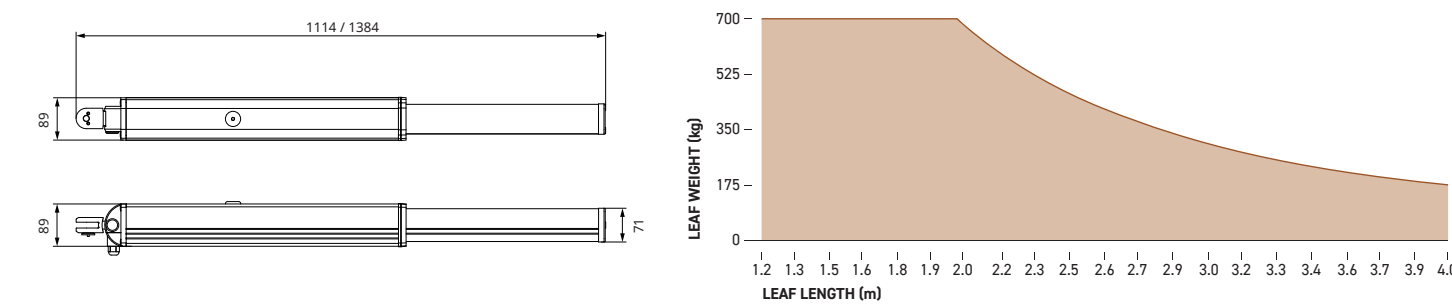
HY Medium

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



Technical features



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		230V 4 m	230V 4 m
Supply (Vac - Hz)		230 - 50	230 - 50
Full load absorption (A)		1	1
Maximum electric power (W)		230	230

Mechanical data		230V 4 m	230V 4 m
Operating speed (m/s)		0.01	0.01
Maximum thrust (N)		7000	7000
Working cycle (cycles/hour)		continuous	continuous
Maximum travel (mm)		265	265

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

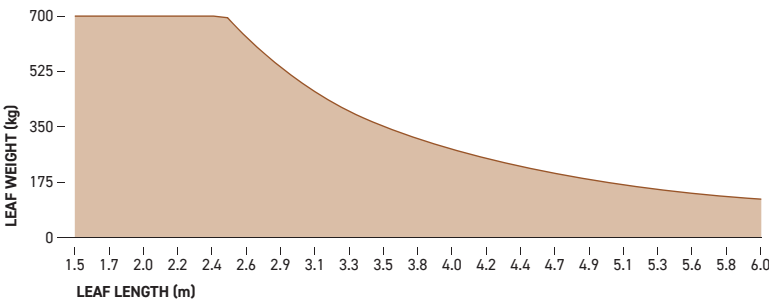
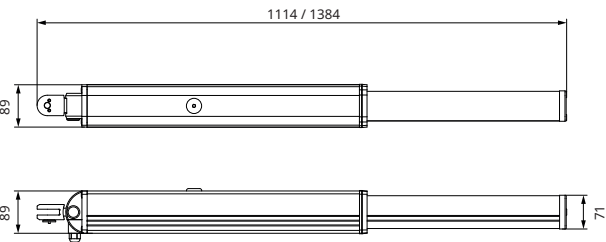
HY Large

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



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

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

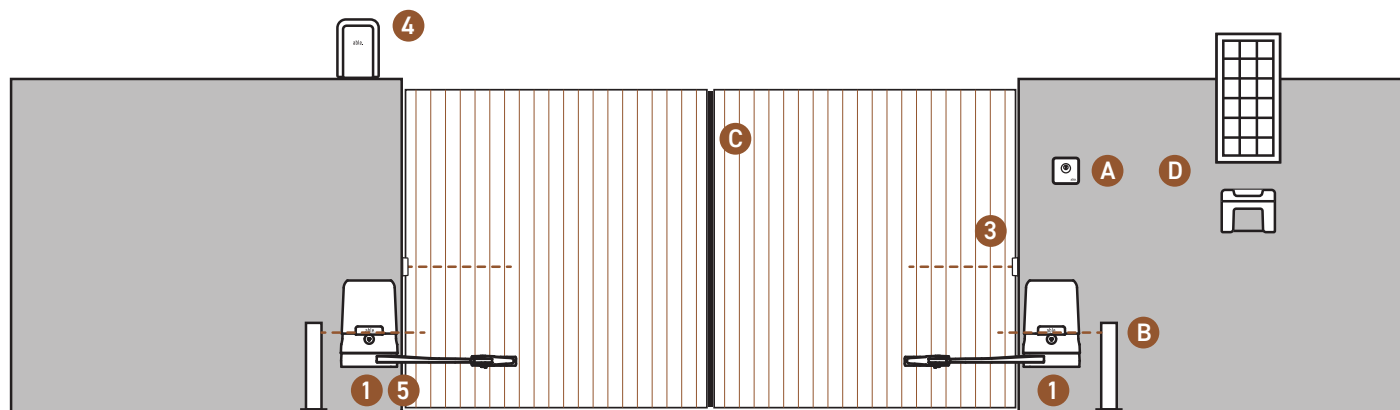


**SECURITY DEVICES
AND ACCESSORIES**
The full range of
photocells and security
devices can be found at
p. 109



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

Articulated arm actuator for swing gates



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 |

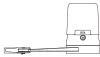
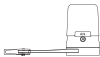
Choice guide



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

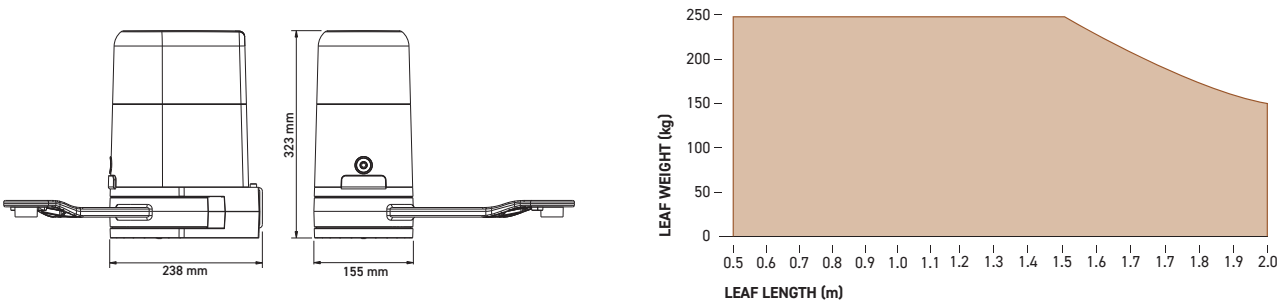
AR Small

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



Product data	24V 2 m MASTER	24V 2 m SLAVE
Model	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
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	10Y001	11Y001	13Y002	14Y002	16Y001
KL AR SMALL 2000 24	29Y003	• •	•			

Kit full

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

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 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
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

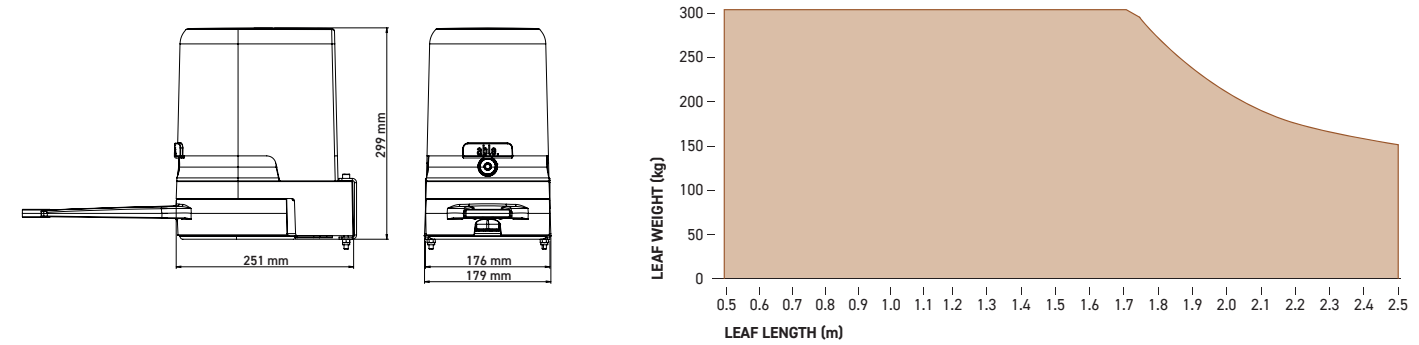
AR Medium

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



Product data		24V 2.5 m MASTER	24V 2.5 m SLAVE
Model		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
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	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

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

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

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

AR Medium

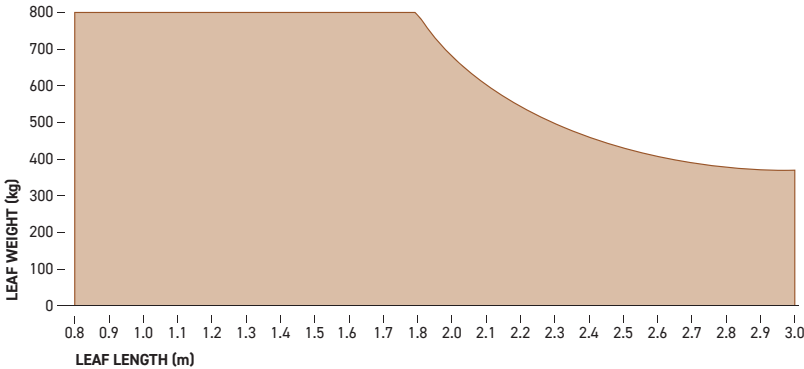
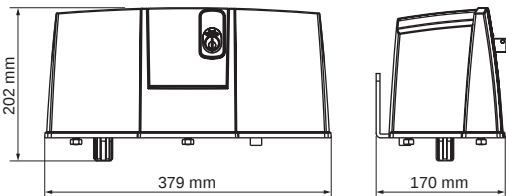


Irreversible electromechanical articulated arm actuator for swing gates with leaves up to 3 m.
Available in two versions: 24V and 230V

- 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



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

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

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

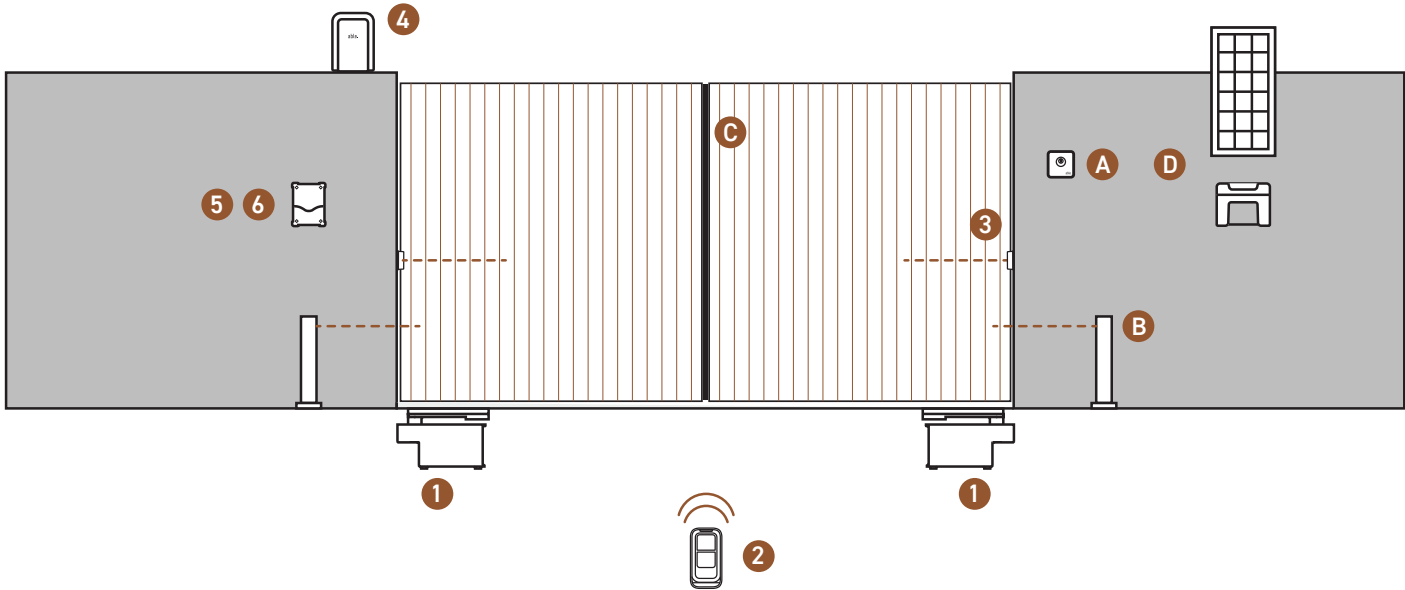


SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109



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

Underground motors for swing gates



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

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 |

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

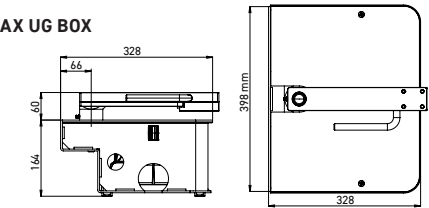
- Sealed motor reducer made entirely of aluminum with galvanised forged steel levers
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever
- Version with 7 m long power cable
- The special mounting holes allow UG motors to be installed inside numerous existing models 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



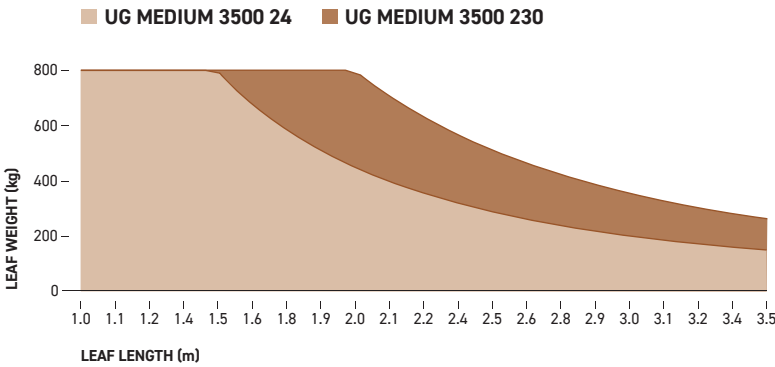
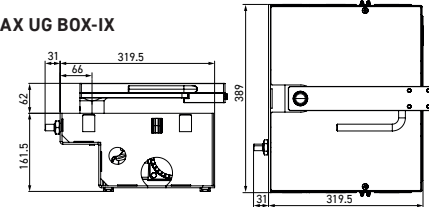
Technical features

- 24V version
- Encoder included

AX UG BOX



AX UG BOX-IX



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



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 EV02	• •	•			
KL UG MEDIUM 3500 230E	29Y016	CX EV01	• •	•			

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 EV02	• •	•	•	14Y002	•
KF UG MEDIUM 3500 230E	29Y014	CX EV01	• •	•	•	14Y001	•

Control units to be used



CX EV01
Universal digital control unit for swing or sliding gates - Output for 2 motors - 230V
Code 12Y001

CX EV02
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 16Y025

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

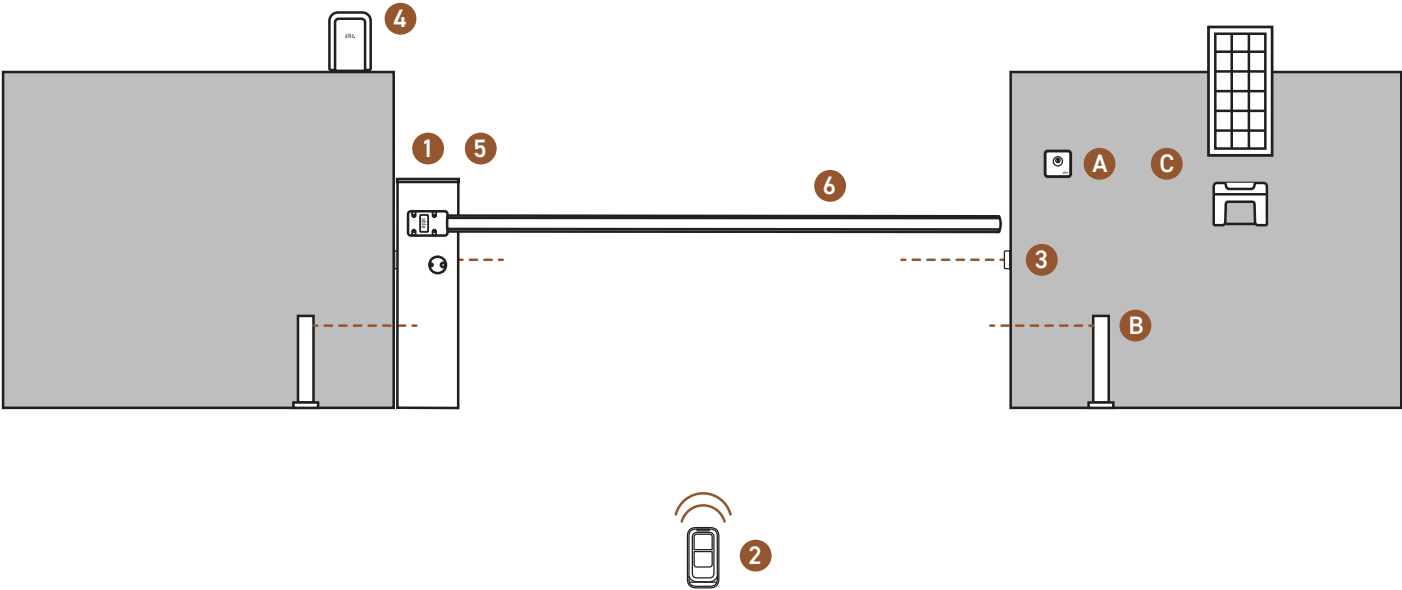
SECURITY DEVICES AND ACCESSORIES
The full range of photocells and security devices can be found at p. 109

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

Barriers



Barriers

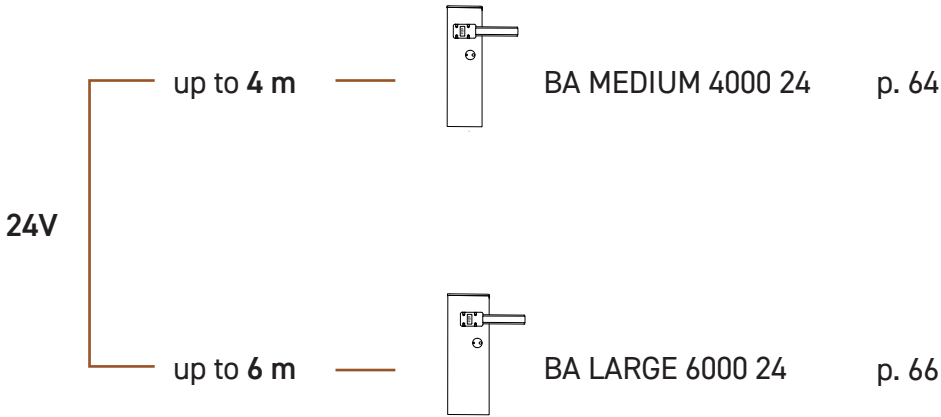


Choice guide



Residential and multiple use

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



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

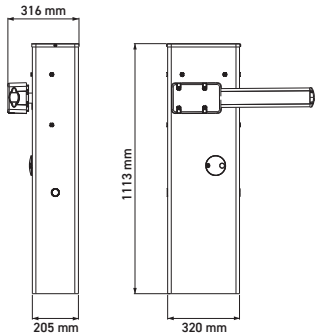
BA Medium

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



Product data		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

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

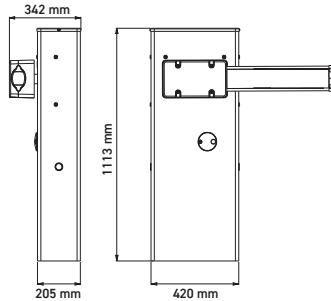
BA Large

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



Product data		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



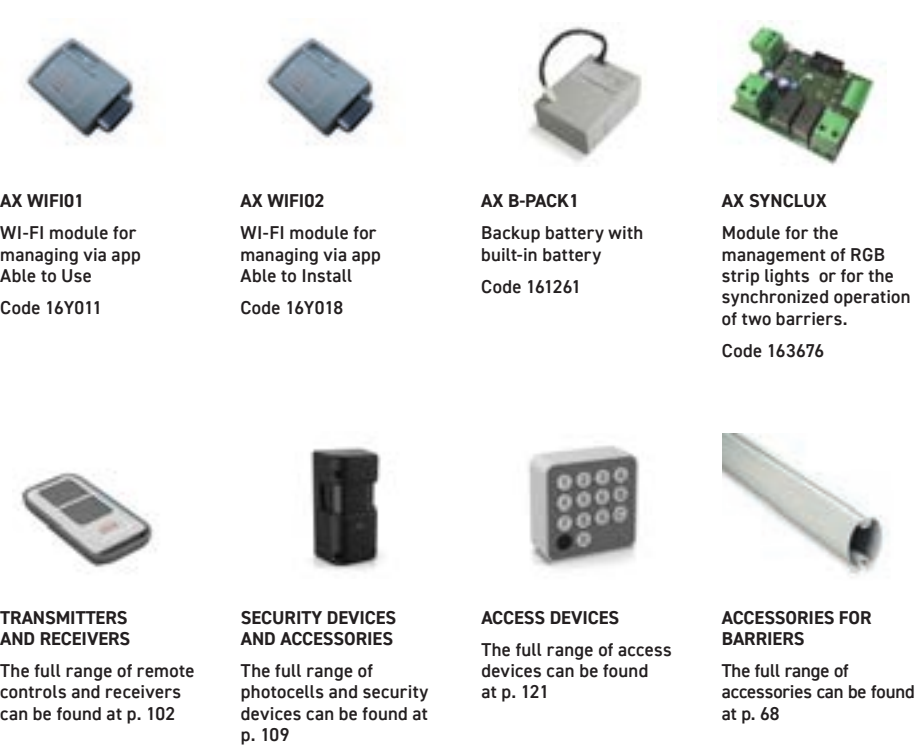
Kit full

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



Accessories



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 BA END POST

End support post

Code 16Y037



AX KIT STRIPES

Reflective adhesive strips (24 pieces)

Code 163622



AX 2M RACK

Aluminum shelf (2 m)

Code 163650



PX BA 24

Synchronized 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

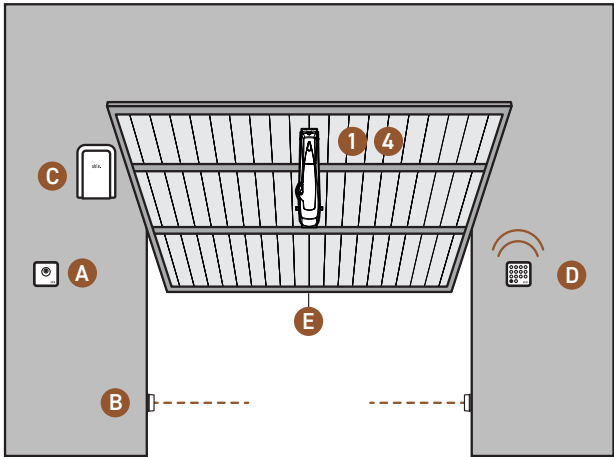
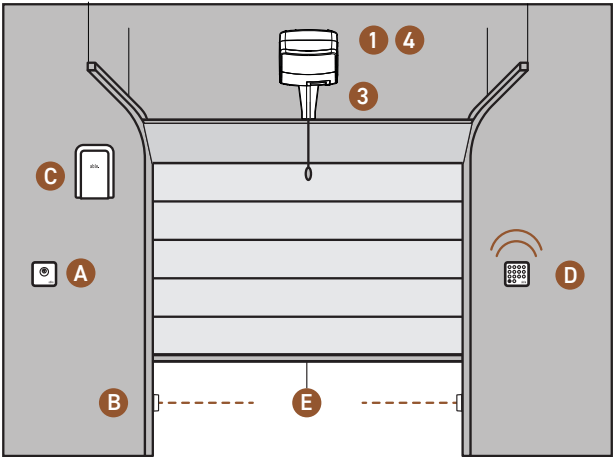
Anchor plate

Code 163688

Motors for garage doors and rolling shutters



Motors for garage doors



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

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

DC Small

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

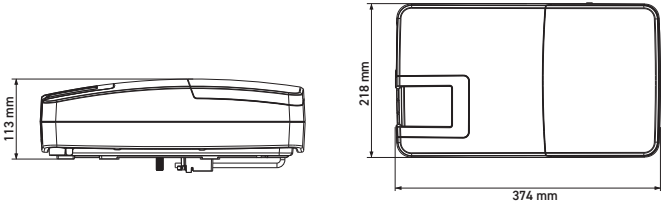
- Accurate and safe operation with encoder
- Control panel with keypad and LCD display
- Operation during power outage with backup battery
- Operation with solar power system
- Plug-in adaptor for modular radio receiver
- Input for photocells or safety edges
- Input for an external start and stop button

- 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



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

Kit light

Minimum configuration to activate door with remote control	KIT CODE	10Y001	11Y001
KL DC SMALL 700 24	32Y002	• •	•

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 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 16Y031



AX CHAIN-G 2X165
2x1.65 m pre-assembled chain guide
Code 16Y030



AX CHAIN-G 38
3.8 m pre-assembled chain guide
Code 16Y032



AX BELT-G 33
3.3 m pre-assembled belt guide
Code 16Y034



AX BELT-G 2X165
2x1.65 m pre-assembled belt guide
Code 16Y033



AX BELT-G 38
4 m pre-assembled belt guide
Code 16Y035



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

DC Medium

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

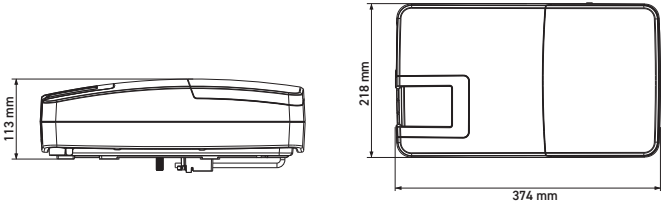
- Accurate and safe operation with encoder
- Control panel with keypad and LCD display
- Operation during power outage with backup battery
- Operation with solar power system
- Plug-in adaptor for modular radio receiver
- Input for photocells or safety edges
- Input for an external start and stop button

- 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



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

Kit light

Minimum configuration to activate door with remote control	KIT CODE	10Y001	11Y001
KL DC MEDIUM 1000 24	32Y001	• •	•

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 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 16Y031



AX CHAIN-G 2X165
2x1.65 m pre-assembled chain guide
Code 16Y030



AX CHAIN-G 38
3.8 m pre-assembled chain guide
Code 16Y032



AX BELT-G 33
3.3 m pre-assembled belt guide
Code 16Y034



AX BELT-G 2X165
2x1.65 m pre-assembled belt guide
Code 16Y033



AX BELT-G 38
4 m pre-assembled belt guide
Code 16Y035



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

DD Small

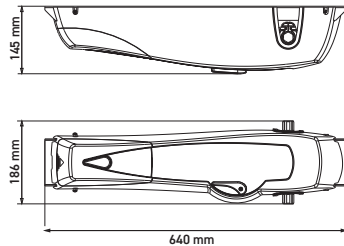


Irreversible electromechanical actuator
for balanced doors up to 9 sqm

- 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



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

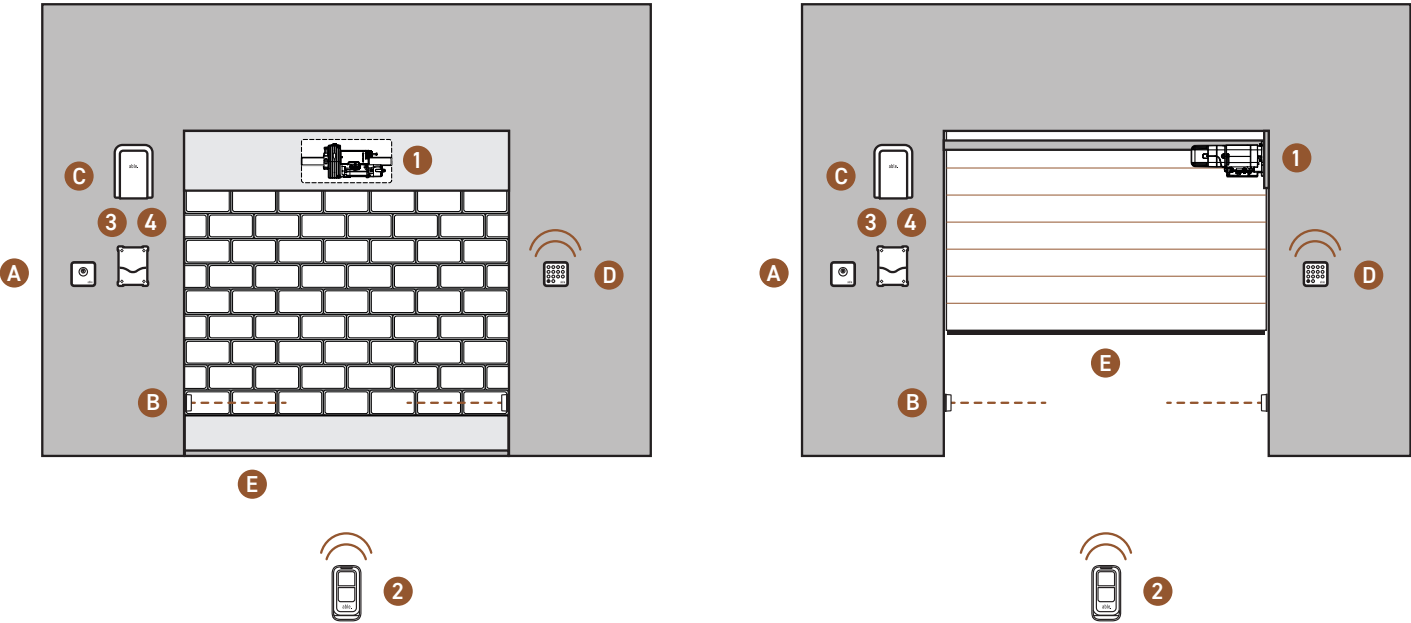
Motors for rolling shutters

Choice guide



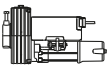
Rolling shutters

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

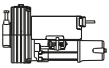


DR SMALL 170 230

p. 82

with electro-brake

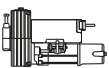
up to 170 kg



DR SMALL 170B 230

p. 82

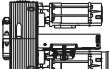
up to 260 kg



DR MEDIUM 260B 230

p. 84

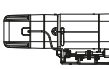
up to 380 kg



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

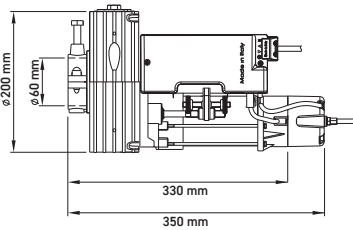
DR Small

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 $\varnothing$ 48 and crown $\varnothing$ 220 included



Technical features



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

Mechanical data	230V	230V with electro-brake
Motor crown speed (rpm)	10	10
Torque (Nm)	170	170
Rolling shutter shaft $\varnothing$ (B) (mm)	60/48	60/48
Motor crown $\varnothing$ (A) (mm)	200/220	200/220

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 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



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

DR Medium

Irreversible electromechanical actuator for shutter weighing up to 380 kg

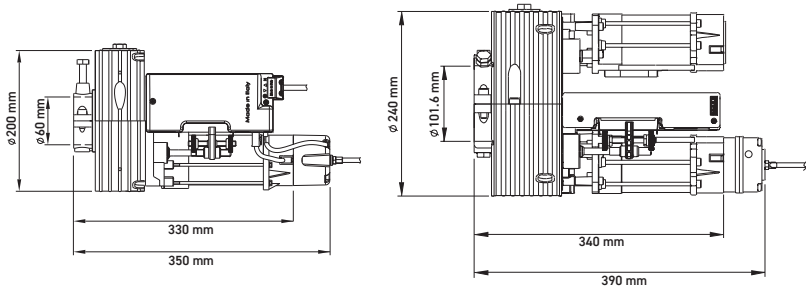
- Wires protected by special plastic container
- External limit switch unit easily accessible
- Simple, intuitive limit switch adjustment
- Pre-wired condenser
- Shaft adapter ø 48 and crown ø 220 included (DR MEDIUM 260B 230)
- Shaft adapter ø 76 included (DR MEDIUM 380B 230)



Technical features

DR MEDIUM 380B version

- Two motors (rolling shutter shaft ø 101)



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

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 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

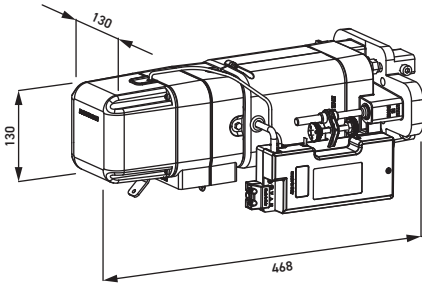
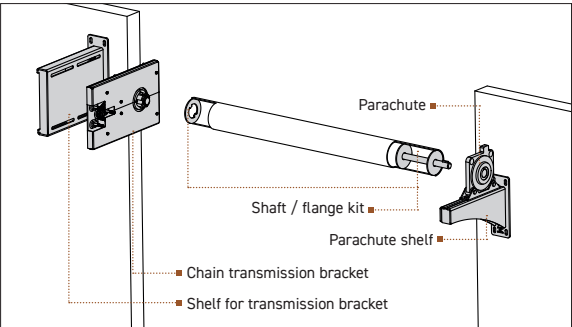
DR Large

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



Product data		230V
Model	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 (m)		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



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

Control units



Choice guide

Control units for swing and sliding gates

digital	230V motors	2 motors		CX EV01	p. 91
		1 motor		CX EV04	p. 93
	24V motors	2 motors		CX EV02	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 EV01

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

	230V
Model	CX EV01
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 EV01 Universal digital control unit for 230V motors	TX T0H2 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 EV01	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 EV02

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	24V	24V (for K ECO-24)
Model	CX EV02	CX EV02 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 model						
		CX EV02 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
	KIT CODE	12Y002	10Y001	11Y001	13Y002	14Y002
KF CX EV02	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 EV04

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	230V
Model	CX EV04
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

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

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
 - Also available in a low-consumption version, code 12Y026



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

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



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	

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	•	• •

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 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	

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		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 model				
				
	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	
	KIT CODE	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		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

Accessories



Transmitters and receivers

Transmitters

TX TOH	p. 103
TX PMR	p. 103

Receivers

RX WAL	p. 104
RX MR	p. 104
RX WAL2-230 433	p. 105

Miniaturized control modules

CX DEV	p. 106
AX Wi-Fi	p. 107

Programming devices and software

AX PROG2	p. 107
AX F-PROG	p. 107
WinPPCL	p. 108

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
- Also available in a multipack of 10 remote controls with 5 assorted colors: 4 new color variants and the standard grey. Two pieces per color.



New color variants:



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)							

10-piece color multipack

Model	SET TX TOH2 433C MC	SET TX TOH2 433P MC	SET TX TOH2 868C MC	SET TX TOH2 868P MC	SET TX TOH4 433C MC	SET TX TOH4 433P MC	SET TX TOH4 868C MC	SET TX TOH4 868P MC
Code	10Y501	10Y503	10Y505	10Y507	10Y502	10Y504	10Y506	10Y508

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

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 TOH2 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 TH0 transmitters

- Programming via radio of TH0 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

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.

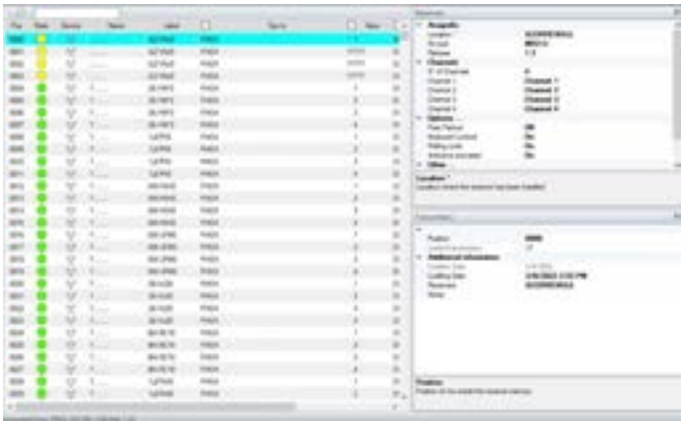
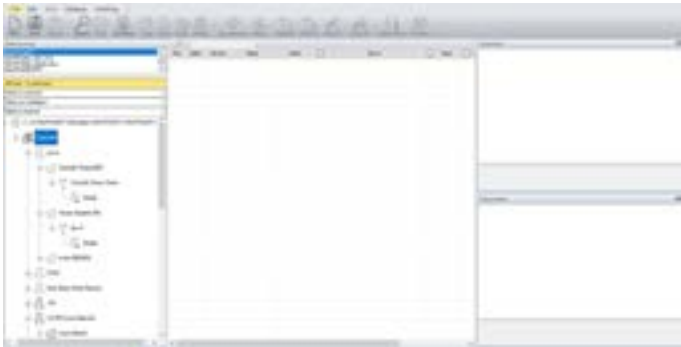
It allows tracing a transmitter within the database by displaying the receivers in which it is present.

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

Solar energy systems

K ECO-24 p. 110

Photocells

PX XS 24 p. 111

PX S 24 p. 111

PX M 24 p. 112

PX L 180-24 p. 112

PX L 180-24 PL p. 113

PX L 180-24 WL p. 113

PX L 180-24 BL p. 114

Pillars

AX PIL100 p. 114

Signs

AX WSIGN p. 114

Flashing lights

FX FLASH p. 115

FX BLINKO p. 115

FX ML6 p. 116

AX T-LIGHT p. 116

Antenna

AX ANS-001 p. 117

Radio control system for safety edges

AX WES p. 117

Inductive loop detectors

AX LOOP p. 118

Safety edges

AX M-SAFEDGE p. 118

AX TOUCH-L p. 119

Measurement instrument

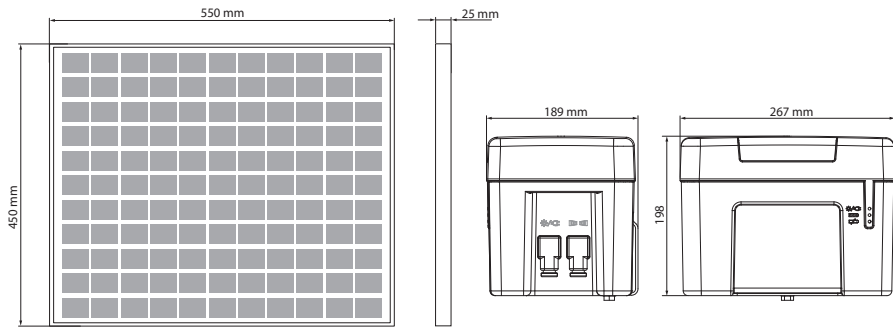
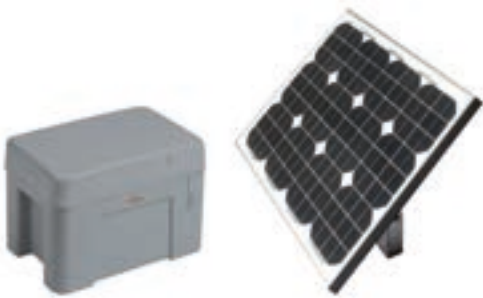
AX FORCETEST p. 120

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



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

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



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



AX ECO-24 SP
Additional solar panel
Code 172808

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

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 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
 - Synchronized: 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 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 close 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)	118 x 52 x 42

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



Technical features

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

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

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 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 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 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

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
	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
Description					



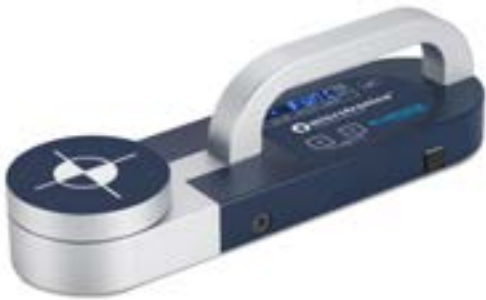
Technical features

Model	AX TOUCH-06	AX TOUCH-07	AX TOUCH-08	AX TOUCH-09	AX TOUCH-10
Code	35Y006	35Y007	35Y008	35Y009	35Y010
	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
Description					

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

AX KEY-S	p. 122
AX KEY-B	p. 122
AC READER	p. 123

Decoder

AC DEC4	p. 123
---------	--------

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

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 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

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



HEADQUARTER

ITALY
V2 SPA
Corso Principi di Piemonte, 65/67
12035 RACCONIGI (ITALY)
Tel. +39 0172 812411
Fax. +39 0172 84050
info@ableautomation.com
Website ableautomation.com

-  @Able_automation
-  Able
-  Able Automation

WORLDWIDE

ITALY
V2 SPA
Corso Principi di Piemonte, 65/67
12035 RACCONIGI (ITALY)
Tel. +39 0172 812411
Fax. +39 0172 84050
info@ableautomation.com

PORTUGAL
V2 AUTOMATISMOS PORTUGAL LDA
Rua Fernão Magalhães, Lote 119
2435-087 CAXARIAS (PORTUGAL)
Tel. +351 249 571 511
Fax +351 249 571 512
portugal@ableautomation.com

TUNISIA
V2 TUNISIE SARL
47, rue El Moez El Manzah 1
1004 TUNIS (TUNISIE)
Tel. +216 71 767447
Fax +216 71 767443
v2tunisie@gnet.tn

OTHER COUNTRIES
Contact HEADQUARTER

FRANCE
AFCA – V2 SAS
4 bis, rue Henri Becquerel
69747 GENAS (FRANCE)
Tel. +33 4 72791030
Fax +33 4 72791039
commercial@afca.fr

SPAIN
VIDUE SPAIN SL
C. Can Mitjans 48, puerta 31
Cerdanyola del Vallès
08290 Barcelona (ESPAÑA)
Tel. +34 93 6991500
Fax +34 93 6992855
spain@ableautomation.com

MOROCCO
V2 DOMOTIQUE MAROC SARL
17, Rue Amyot, Quartier des hôpitaux
CASABLANCA (MAROC)
Tel. +212 522 860400
Fax + 212 522 861514
v2maroc@v2maroc.com

The information provided in this publication is purely indicative. Able reserves the right to make any changes to its products at its sole discretion.

Our products and technologies are protected by patents, design models, and trademarks. Any infringement will be prosecuted in accordance with applicable law.

