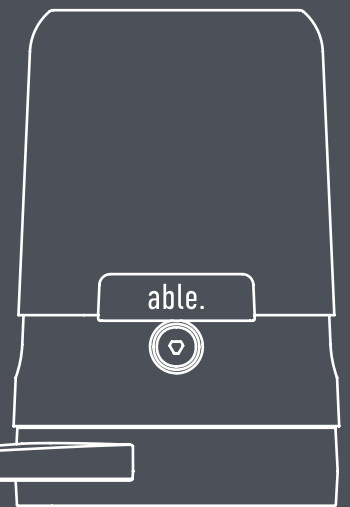
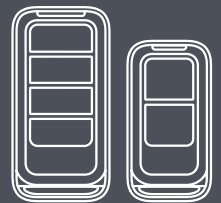
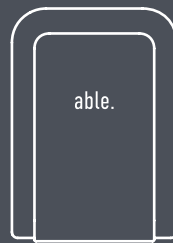
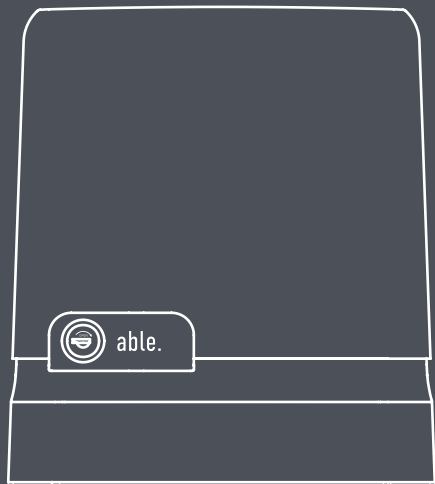
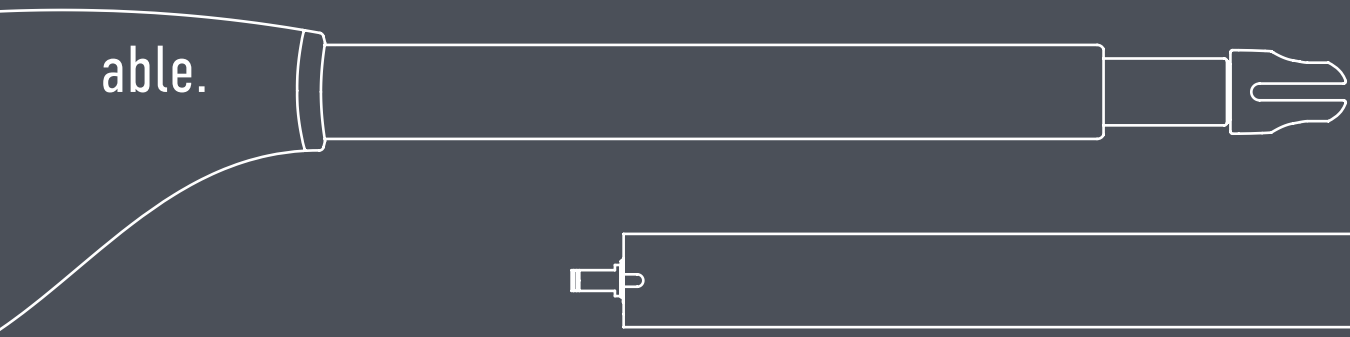
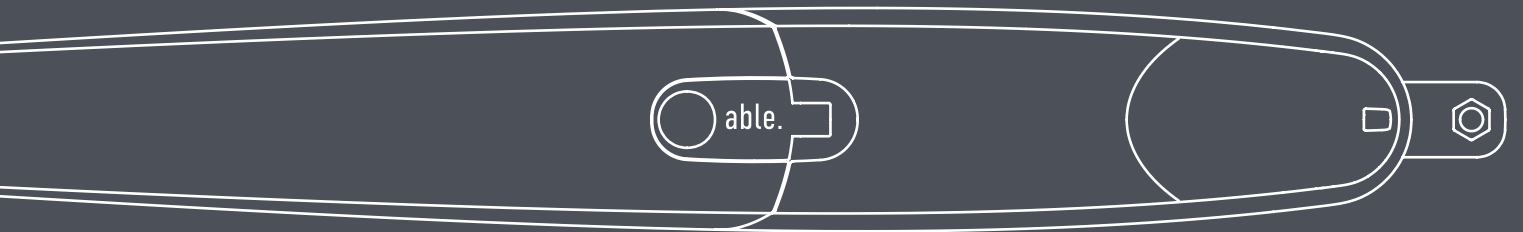
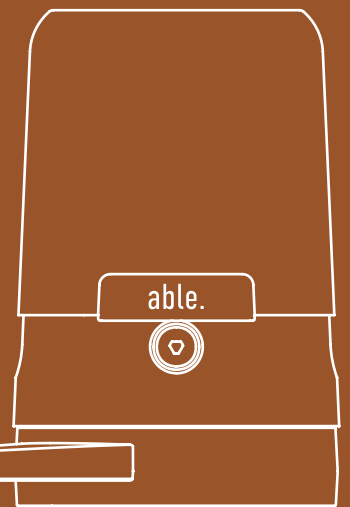
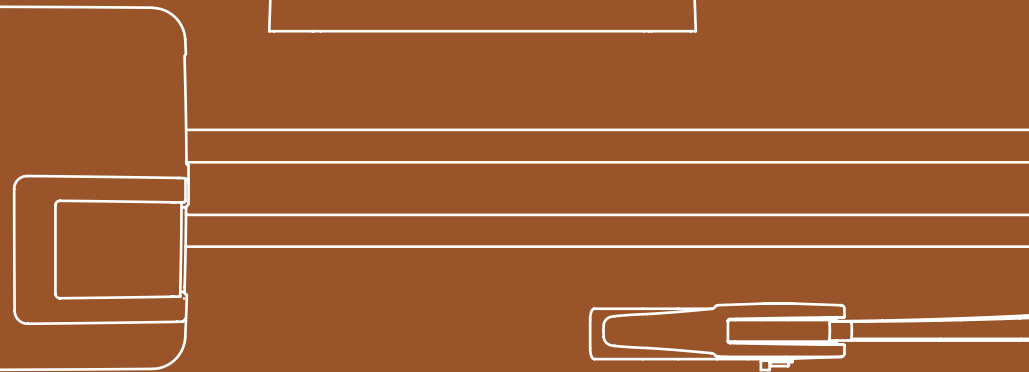
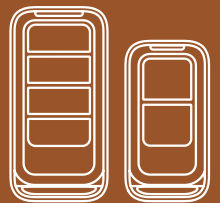
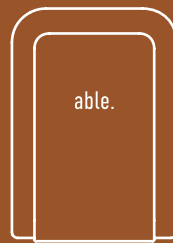
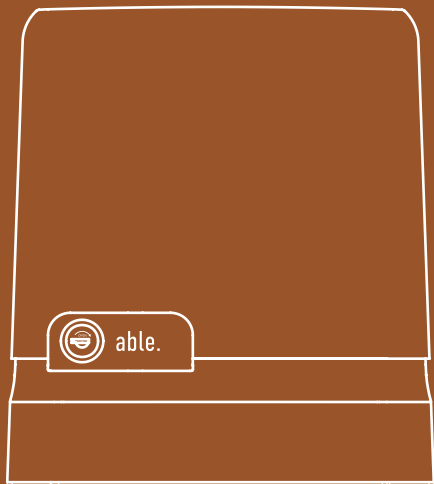
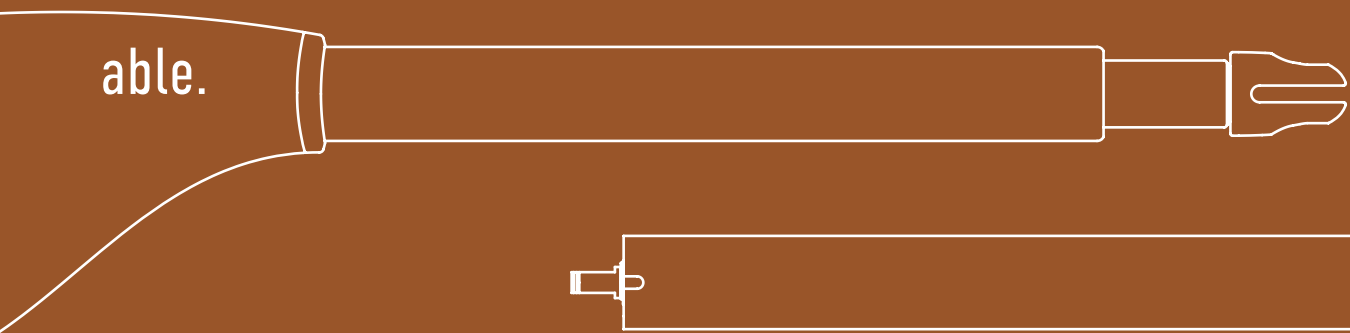
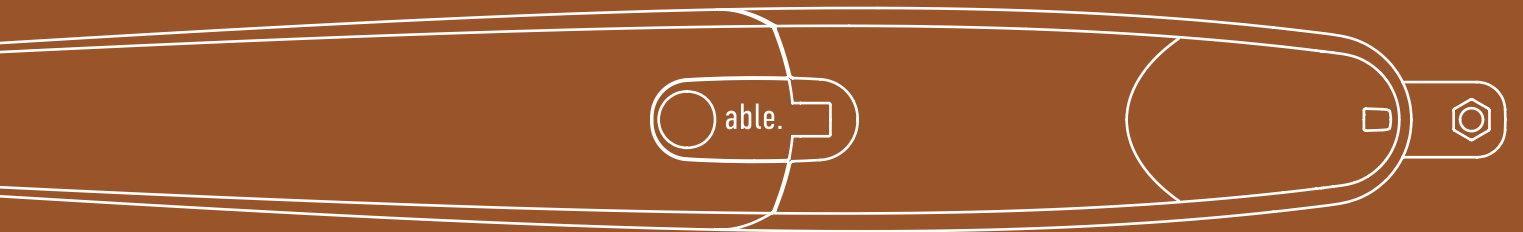


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2024

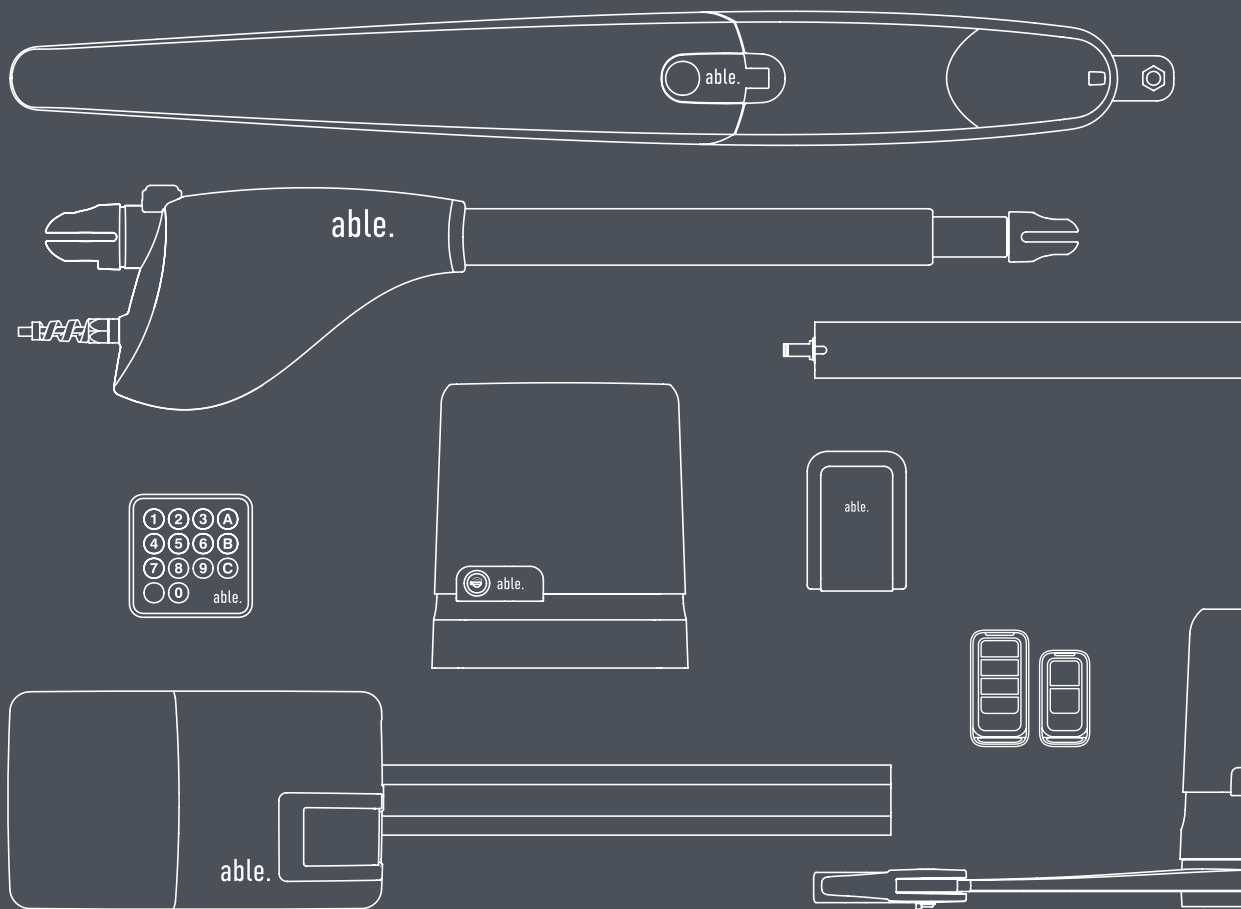
able.



2024

able.

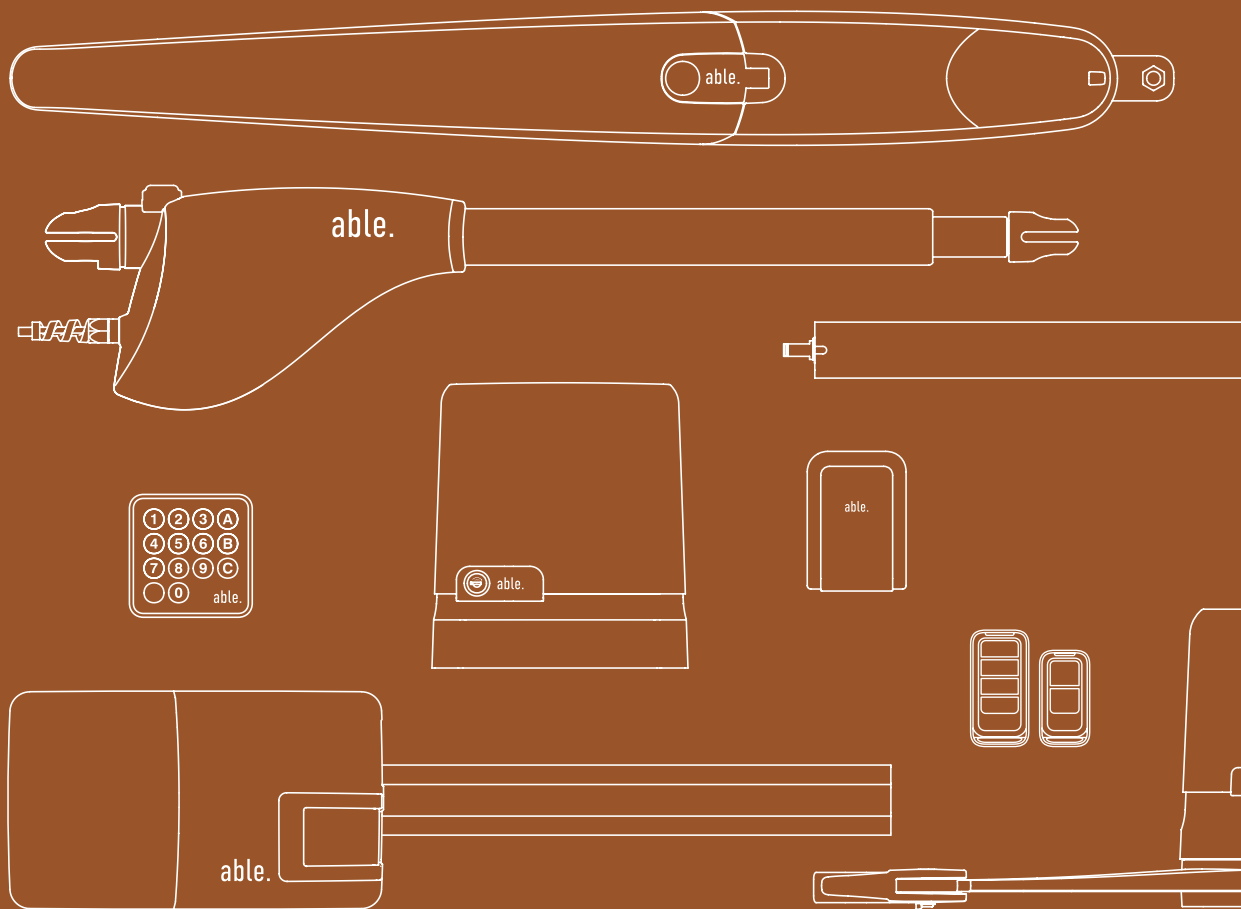
The ultimate
professional
automation
provider.



2024

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The ultimate
professional
automation
provider.



2024

able.

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.





strength



reliability



simplicity



flexibility

Our values

Strength. We build strong products made with durable materials, featuring clear function, good design and high performance.

Reliability. Our high standards guarantee quality, smooth product experience and low maintenance over time.

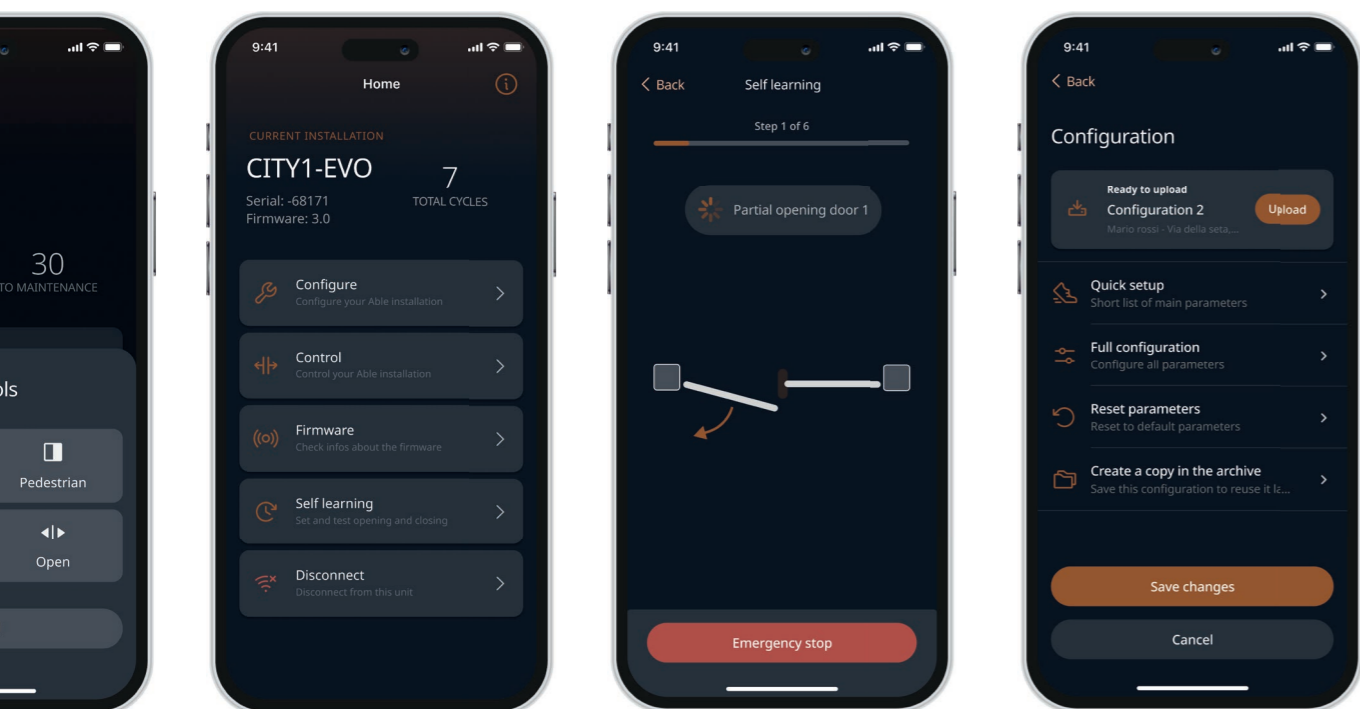
Simplicity. We believe simplicity is key for rapid and flawless installation and for ease of use over time.

Flexibility. Thank to our flexible mind-set we can respond with tailor-made solutions to individual needs.

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 WiFi protocol, Able to install is downloadable from Google Store and Apple Store, establishing a connection to the control unit through the practical WF02 module.

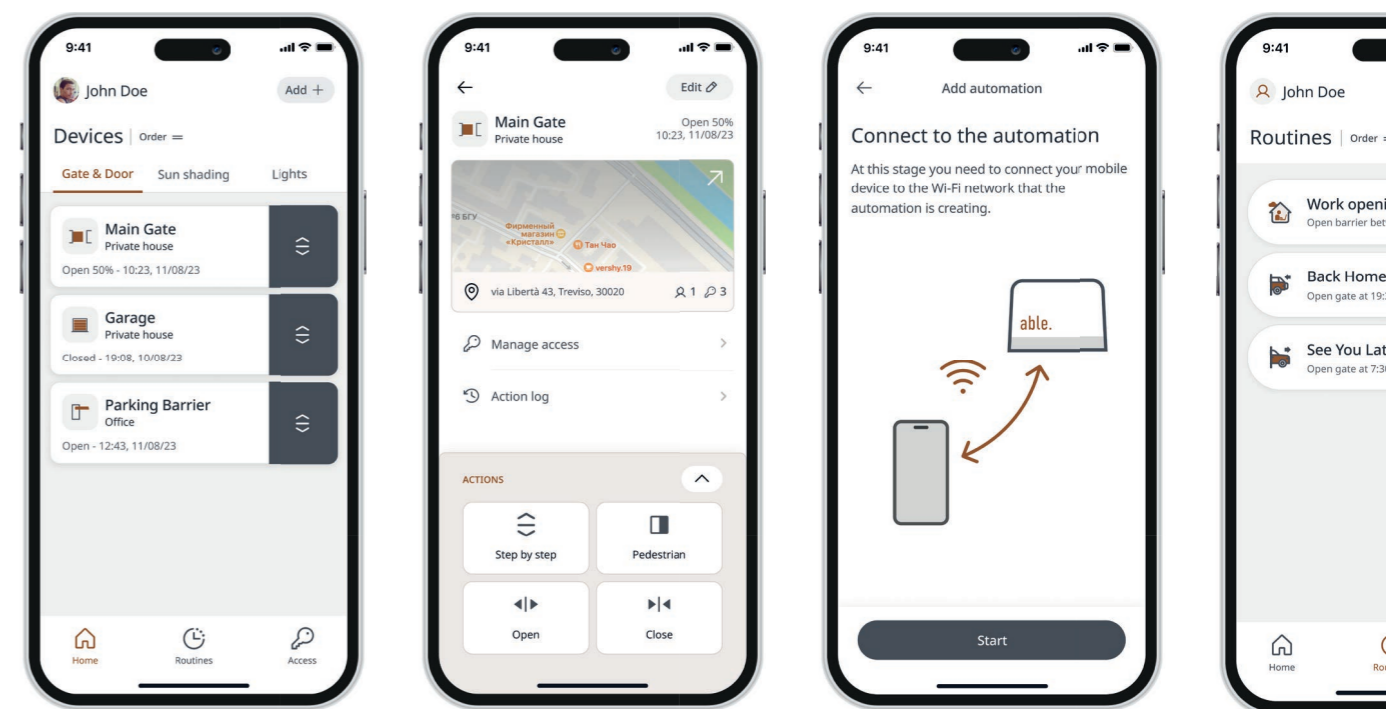
The app capabilities extend to setting all control unit parameters, loading default data, reading the current configuration, or loading a previously saved configuration. Moreover, the app grants access to the event log and facilitates the swift updating of the control unit's firmware (for this function, 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 using QR codes, creating a user-friendly experience.

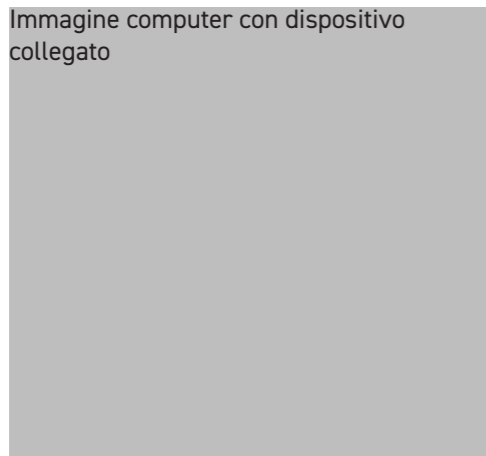
Automation can be enjoyed with personalized scenarios, offering control on specific days and times. The automation can be seamlessly connected to the network with the WF01 module, expanding its functionality. This WiFi module, which is compatible with Able digital control units, enhances the system's connectivity options, providing a comprehensive solution for efficient, personalized, and connected management.



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.

Immagine computer con dispositivo collegato



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

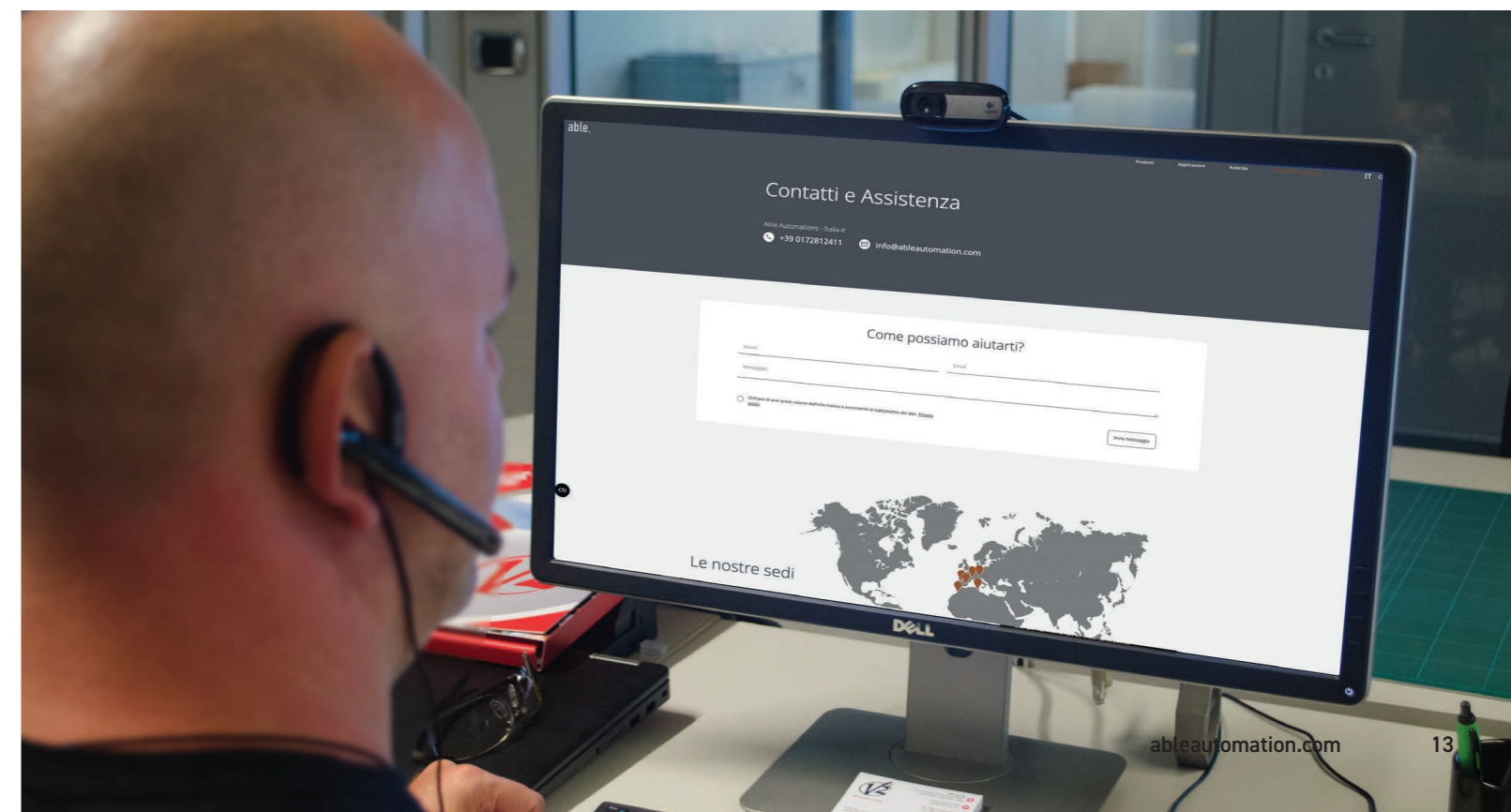
Each four-channel remote control can execute up to fourteen functions by combining key pressures. Additionally, the system offers flexible programming options to customize each key's operation.

Simplified management

Each transmitter is personalized, providing exclusive access to both private and communal spaces. Our advanced security protocol, initiated during installation, safeguards user identity and prevents unauthorized entry.

Technical support

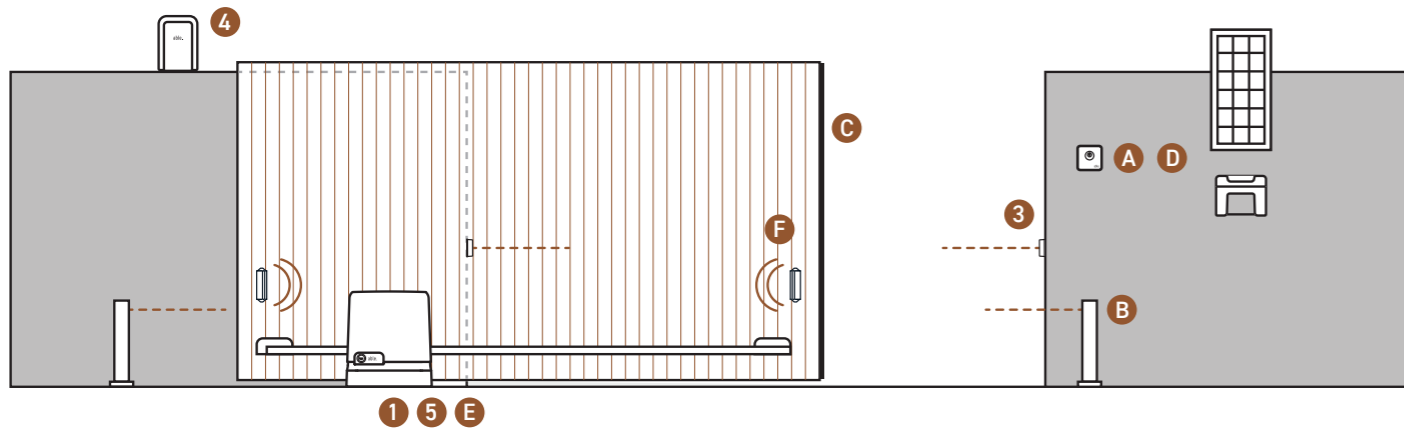
Able provides unparalleled assistance throughout your automation journey, from product selection to expert installation. Our global network ensures local support, readily available through various channels. Dedicated technicians offer expert guidance, ensuring optimal system performance and customer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



Motors for sliding gates



Motors for sliding gates



Components

- 1 Actuator p. ...
- 2 Transmitter p. ...
- 3 Photocells p. ...
- 4 Flashing light with built-in antenna p. ...
- 5 Receiving module p. ...

Additional accessories

- A Digital or key switch p. ...
- B Pillar photocells p. ...
- C Safety edges p. ...
- D Solar system (only for 24V actuators) p. ...
- F WES transmitters/receiver p. ...

Choice guide



Residential use

For gates up to 1000 kg installed in family houses and small buildings. Standby ecodesign regulation compliant.



24V	up to 400 kg		SL SMALL 400 24	p. X
	up to 600 kg		SL SMALL 600 24	p. X
	up to 1000 kg		SL MEDIUM 1000 24	p. X
230V	up to 600 kg		SL SMALL 600 230	p. X
	up to 800 kg		SL SMALL 800 230	p. X



Industrial use

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



24V	up to 1500 kg		SL MEDIUM 1500 24	p. X
230V	up to 1200 kg		SL MEDIUM 1200 230	p. X
	up to 1500 kg		SL MEDIUM 1500I	p. X
	up to 2200 kg		SL LARGE 2200 230	p. X
	up to 2500 kg		SL LARGE 2500I	p. X
	up to 4000 kg		SL XL 4000I	p. X

SL Small

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



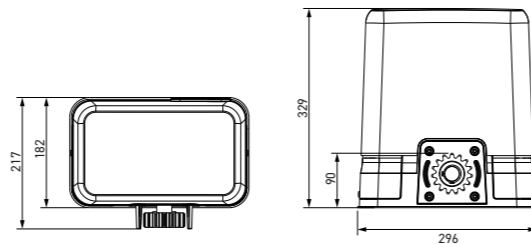
- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Self-learning of opening and closing times
- Synchronized motor operation via SYNCRO module
- Easy-install magnetic limit switch
- Programming via 3 buttons and display
- Modular radio receiver plug-in connector
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output
- ADI connector for optional modules
- Slow start (programmable start ramp)
- Compliant with EU 2023/826 standby ecodesign regulation
- 24V auxiliary output always on for activators
- Stainless lock with secured mechanism
- Up to 90% reduced electricity consumption
- Adapter plates for replacing similar products



Technical features

24V versions

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



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

	230-50	230-50	230-50	230-50
Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Full load absorption (A)	2	2.6	2	5
Maximum load of powered accessories at 24 Vdc (W)	12	12	6	6
Consumption standby	<0.5	<0.5	<0.5	<0.5

Mechanical data

	0.34	0.34	0.18	0.18
Gate speed (m/s)	0.34	0.34	0.18	0.18
Maximum thrust (N)	400	600	600	800
Working cycle (cycles/hour)	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. Also available in 868.30 MHz	RX MR 433 433.92 MHz plug-in receiver. Also available in 868.30 MHz version	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	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	14Y001/ 14Y002	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	14Y001/ 14Y002	16Y001
KF SL SMALL 400 24	30Y001	• •	•	•	•	•
KF SL SMALL 600 24	30Y003	• •	•	•	•	•
KF SL SMALL 600 230	30Y002	• •	•	•	•	•
KF SL SMALL 800 230	30Y004	• •	•	•	•	•

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 four remotes 433 MHz Code 28Y003

Accessories

Electronic accessories can only be used with S line Medium models equipped with a digital control unit

AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011	AX B-PACK 1 Backup battery with built-in battery Code 161261	TRANSMITTERS AND RECEIVERS The full range of remote controls and receivers can be found at p. X	SECURITY DEVICES AND ACCESSORIES The full range of photocells can be found at p. X	ACCESS DEVICES The full range of access devices can be found at p. X	RACKS AND ACCESSORIES The full range of racks can be found at p. X

SL Medium

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

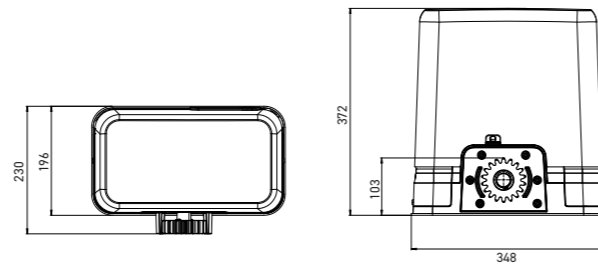


- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Obstacle detection
- Self-learning of opening and closure times
- Synchronized motor operation via SYNCRO module
- Magnetic limit switch
- Modular radio receiver plug-in connector
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety sensitive edges
- Courtesy light output
- ADI connector for optional modules
- Compliant with EU 2023/826 standby ecodesign regulation
- 24V 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 ECO-LOGIC 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

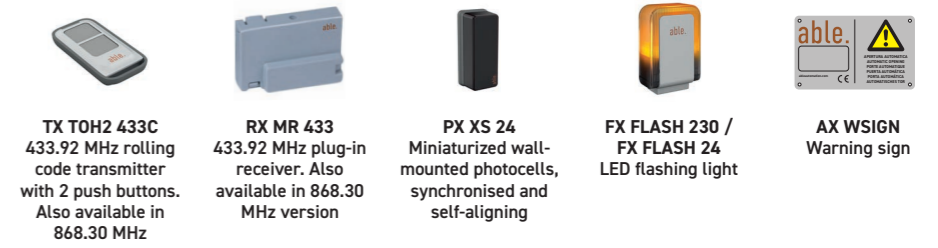


Product data	24V 1000 kg	230V 1200 kg	230V I 1500 kg
Model	SL MEDIUM 1000 24	SL MEDIUM 1200 230	SL MEDIUM 1500I
Code	23Y005	23Y006	23Y007
Weight (kg)	15.5	15.5	15.5
Maximum gate weight (kg)	1000	1200	1500
Degree of protection (IP)	44	44	44
Operating temperature (C°)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Electrical data	24V 1000 kg	230V 1200 kg	230V I 1500 kg
Supply (Vac - Hz)	230-50	230-50	230-50
Full load absorption (A)	2	2.6	5
Maximum load of powered accessories at 24 Vdc (W)	12	6	12
Consumption standby	<0.5	<0.5	<0.5

Mechanical data	24V 1000 kg	230V 1200 kg	230V I 1500 kg
Gate speed (m/s)	0.42	0.18	0,035 - 0,35
Maximum thrust (N)	1000	950	1400
Working cycle (cycles/hour)	35	22	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	14Y001 / 14Y002	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	14Y001 / 14Y002	16Y001
KF SL MEDIUM 1000 24	30Y009	• •	•	•	•	•
KF SL MEDIUM 1200 230	30Y010	• •	•	•	•	•
KF SL MEDIUM 1500I	30Y011	• •	•	•	•	•

Radio kit



Accessories

Electronic accessories can only be used with S line Medium models equipped with a digital control unit



SL Large

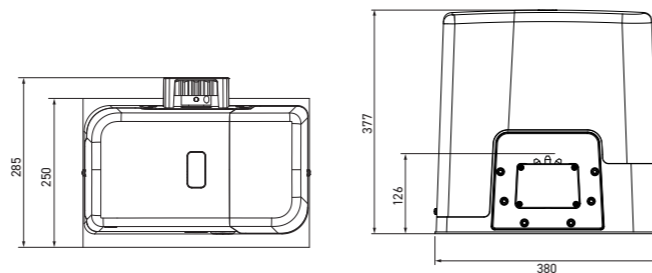
Irreversible electromechanical rack actuator motor reducer for sliding gates weighing up to 2500 kg.
Available in two versions: 230V/230V Inverter

- Integrated digital control unit
- Painted aluminum casting
- Precise and safe operation
- Obstacle detection
- Self-learning of opening and closure times
- Synchronized motor operation via 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)
- Up to 90% reduced electricity consumption



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	230-50
Full load absorption (A)	4	3.7
Maximum load of powered accessories at 24 Vdc (W)	10	10
Consumption standby	<0.5	<0.5
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

		
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 four remotes 433 MHz Code 28Y003

Accessories

Electronic accessories can only be used with S line Medium models equipped with a digital control unit

					
AX WIFI01 WI-FI module for managing via app Able to Use Code 16Y011	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. X	SECURITY DEVICES AND ACCESSORIES The full range of photocells can be found at p. X	ACCESS DEVICES The full range of access devices can be found at p. X	RACKS AND ACCESSORIES The full range of racks can be found at p. X

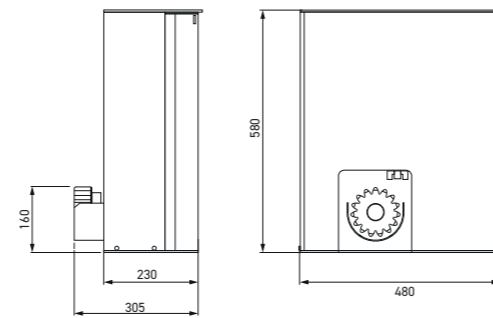
SL Extra Large

Irreversible electromechanical rack actuator motor reducer for 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 SYNCRO module
- Possibility to adjust the gear motor torque
- Industrial electromechanical limit switch and M6 pinion
- Multilingual programming menu through 122x32 pixel graphic display
- Plug-in adaptor for modular radio receiver
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Three programmable relay outputs as lights, electric lock, warning light, electric brake or functioning test 12Vdc
- 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

230V | 4000 kg

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

Electrical data

Supply (Vac - Hz)	230-50
Full load absorption (A)	5
Maximum load of powered accessories at 24 Vdc (W)	10
Consumption standby	<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

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 four remotes 433 MHz
Code 28Y003

Accessories



AX WIFI01

Wi-Fi module for managing via app Able to Use
Code 16Y011



TRANSMITTERS AND RECEIVERS

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



SECURITY DEVICES AND ACCESSORIES

The full range of photocells can be found at p. X



ACCESS DEVICES

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



RACKS AND ACCESSORIES

The full range of racks can be found at p. X

Accessories

Racks and accessories



AX SYNCRO

CODE 16Y002
 CX-Line accessory:
 battery pack 24V -
 1.6 Ah



AX P-RACK M4

CODE 162313
 SL-Series accessory:
 1m plastic rack M4
 module



AX S-RACK M4

CODE 162322
 SL-Series accessory:
 1m steel rack M4
 module - with fixing kit



AX S-RACK01 M4

CODE 162324
 SL-Series accessory:
 1m steel rack M4
 module 22x22mm



AX S-RACK01 M6

CODE 162323
 SL-Series accessory:
 1m steel rack M6-Z12
 module 30x30mm



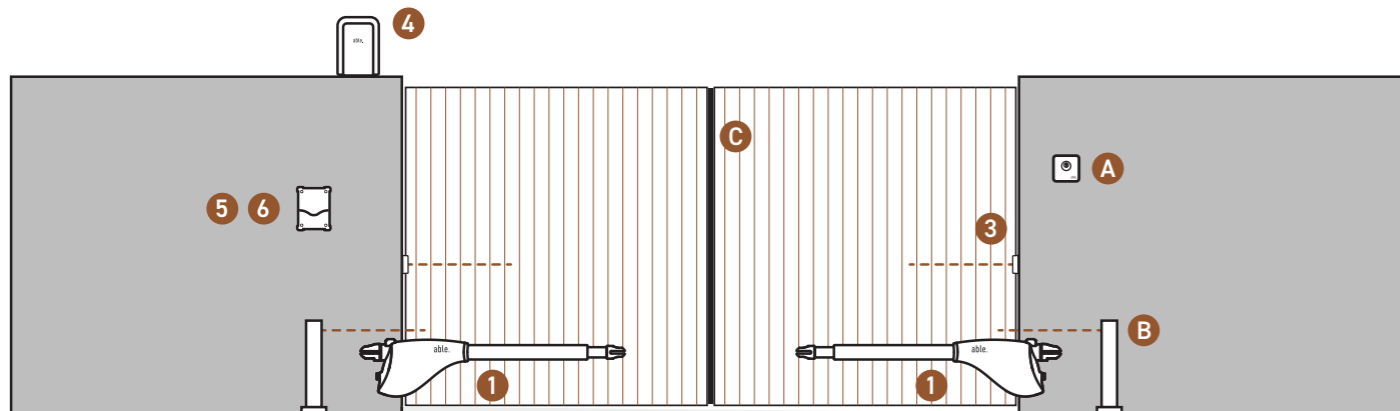
AX M6 PINION

CODE MM017B
 SL-Series accessory:
 M6 pinion

Telescopic motors for swing gates



Telescopic motors for swing gates



Components

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

Additional accessories

- A Digital or key switch p. ...
- B Pillar photocells p. ...
- C Safety edges p. ...

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. X
	up to 3 m		TL MEDIUM 500 230	p. X
	up to 4 m		TL MEDIUM 600 230	p. X

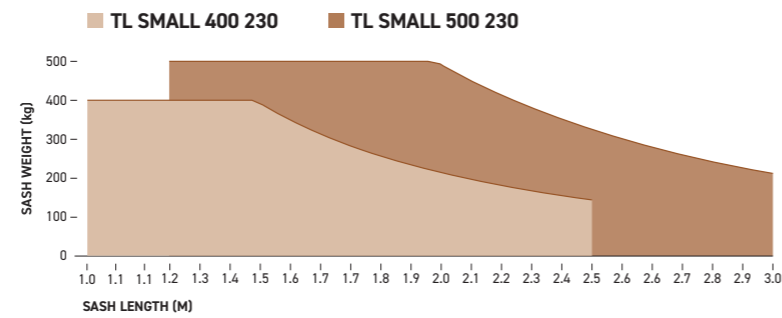
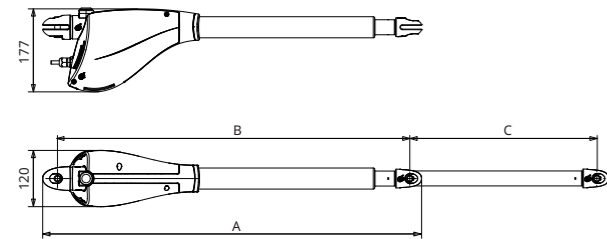
TL Small

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



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

Kit model



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



TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz



RX MR 433
433.92 MHz plug-in receiver. Also available in 868.30 MHz version



PX XS 24
Miniaturized wall-mounted photocells, synchronised and self-aligning



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	14Y001/ 14Y002	16Y001
KL TL SMALL 400 230E (digital)	29Y007	•	••				
KL TL SMALL 400 230F (smart)	29Y008	•	••				

Kit full

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

Control units to be used



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



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

Accessories



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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



GATE FITTINGS AND ACCESSORIES
The full range of gate fittings can be found at p. X

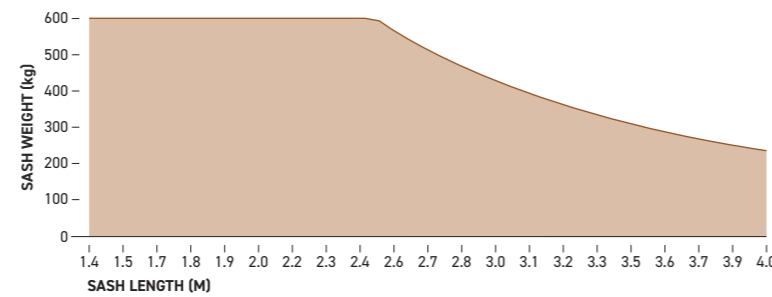
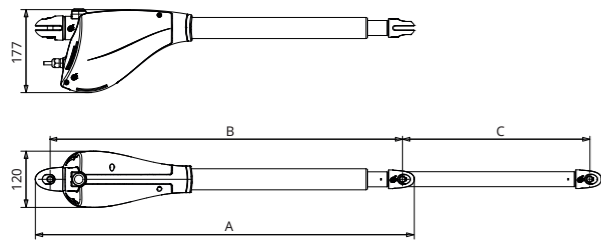
TL Medium

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



Technical features



Product data	230V 3 m	230V 4 m
Model	TL MEDIUM 500 230	TL MEDIUM 600 230
Code	22Y006	22Y007
Weight (kg)	7.1	7.1
Maximum leaf weight (kg)	500	500
Degree of protection (IP)	44	44
Operating temperature (C°)	-30 ÷ +50	-30 ÷ +50

Electrical data	230V 3 m	230V 4 m
Supply (Vac - Hz)	230-50	230-50
Full load absorption (A)	1.2	1.2
Maximum electric power (W)	250	250

Mechanical data	230V 3 m	230V 4 m
Operating speed (m/s)	0,016	0,016
Maximum thrust (N)	2300	2300
Working cycle (cycles/hour)	17	15

Control units to be used



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



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

Accessories



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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

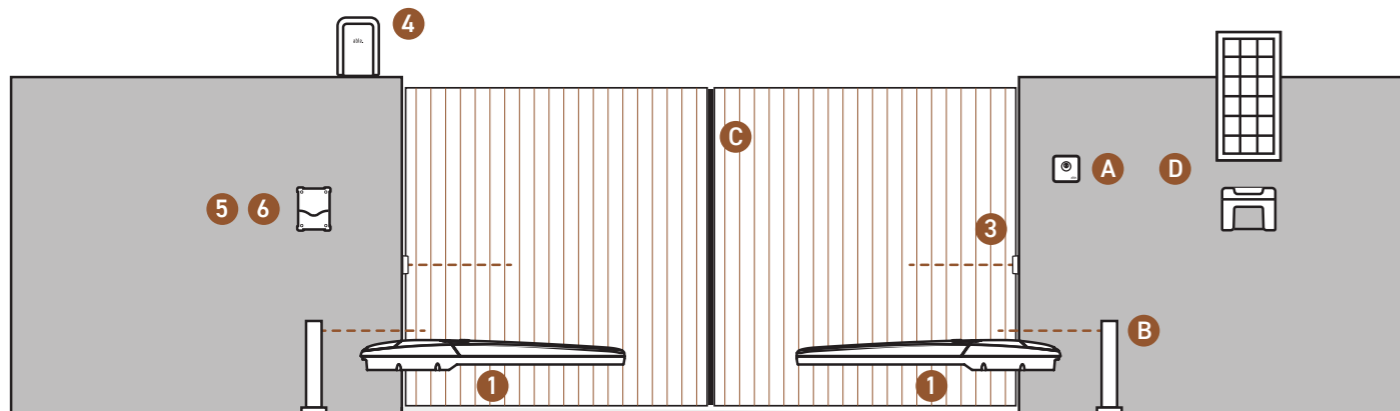


GATE FITTINGS AND ACCESSORIES
The full range of gate fittings can be found at p. X

Linear and hydraulic motors for swing gates



Linear and hydraulic motors for swing gates



Components

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

Additional accessories

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

Choice guide

Electromechanical

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



Hydraulic

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



230V	up to 3 m		LN MEDIUM 3000 230	p. X
	up to 6 m		LN LARGE 6000 230	p. X
24V	up to 2 m		LN SMALL 2000 24	p. X
	up to 3 m		LN MEDIUM 3000 24	p. X
	up to 6 m		LN LARGE 6000 24	p. X
irreversible	up to 4 m		HY MEDIUM 4000 230I	p. X
	up to 6 m		HY LARGE 6000 230I	p. X
reversible	up to 4 m		HY MEDIUM 4000 230R	p. X
	up to 6 m		HY LARGE 6000 230R	p. X

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



Technical features

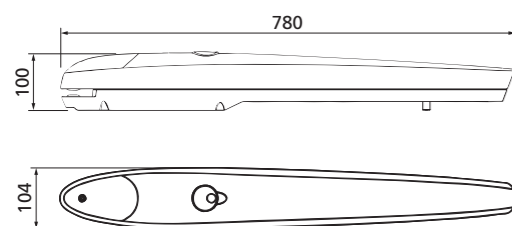


Grafico peso anta \ lunghezza

Product data

24V | 2 m

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

Electrical data

Supply (Vac - Hz)	24
Full load absorption (A)	0.4
Maximum electric power (W)	80

Mechanical data

Operating speed (m/s)	0.016
Maximum thrust (N)	1500
Working cycle (cycles/hour)	50

Kit model



CX EV01 / CX EV02
Universal digital control unit for swing or sliding motor



TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz



RX MR 433
433.92 MHz plug-in receiver. Also available in 868.30 MHz version



PX XS 24
Miniaturized wall-mounted photocells, synchronised and self-aligning



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	14Y001/ 14Y002	16Y001
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KL LN SMALL 2000 24E	29Y021	•	••	•			
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Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	14Y001/ 14Y002	16Y001
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KF LN SMALL 2000 24E	29Y022	•	••	•	•	•	•
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Control units to be used



CX EV02

Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 24V
Code 12Y002

Accessories



AX HOR-LOCK01
12V horizontal electric lock
Code 162913



AX VER-LOCK01
12V vertical electric lock
Code 162912



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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

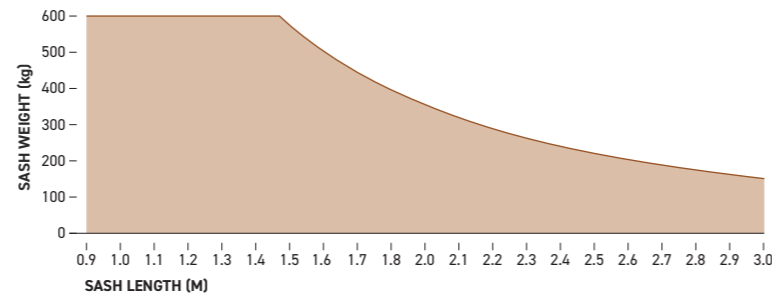
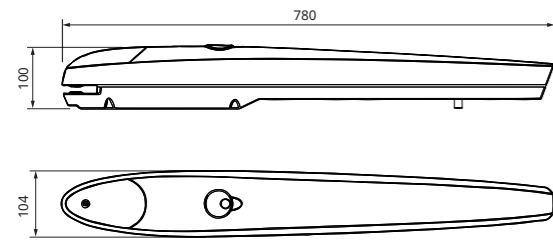
LN Medium

Irreversible electromechanical actuator for swing gates with leaves up to 3 m in length

- 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

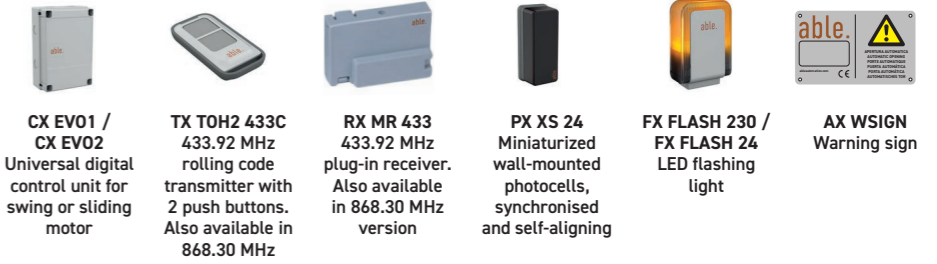


Product data	24V 3 m	230V 3 m
Model	LN MEDIUM 3000 24	LN MEDIUM 3000 230
Code	22Y008	22Y009
Weight (kg)	7	8
Maximum leaf weight (kg)	600	600
Degree of protection (IP)	44	44
Operating temperature (C°)	-20 ÷ +55	-20 ÷ +55

Electrical data	24V 3 m	230V 3 m
Supply (Vac - Hz)	24 Vdc	230-50
Full load absorption (A)	15	1.6
Maximum electric power (W)	120	200

Mechanical data	24V 3 m	230V 3 m
Operating speed (m/s)	0.016	0.016
Maximum thrust (N)	2000	2000
Working cycle (cycles/hour)	58	24

Kit model



- CX EV01 / CX EV02**
Universal digital control unit for swing or sliding motor
- TX TOH2 433C**
433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz
- RX MR 433**
433.92 MHz plug-in receiver. Also available in 868.30 MHz version
- PX XS 24**
Miniaturized wall-mounted photocells, synchronised and self-aligning
- 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	14Y001/ 14Y002	16Y001
KL LN MEDIUM 3000 24E	29Y010	•	••				
KL LN MEDIUM 3000 230E	29Y012	•	••				

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	14Y001/ 14Y002	16Y001
KF LN MEDIUM 3000 24E	29Y009	•	••	•	•	•	•
KF LN MEDIUM 3000 230E	29Y011	•	••	•	•	•	•

Control units to be used



- CX EV01**
Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 230V
Code 12Y001
- CX EV02**
Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 24V
Code 12Y002
- CX FLEXY 433**
Smart control unit for 230V motors
Code 12Y003

Accessories



- GATE FITTINGS AND ACCESSORIES**
The full range of gate fittings can be found at p. X
- TRANSMITTERS AND RECEIVERS**
The full range of remote controls and receivers can be found at p. X
- SECURITY DEVICES AND ACCESSORIES**
The full range of photocells can be found at p. X
- ACCESS DEVICES**
The full range of access devices can be found at p. X

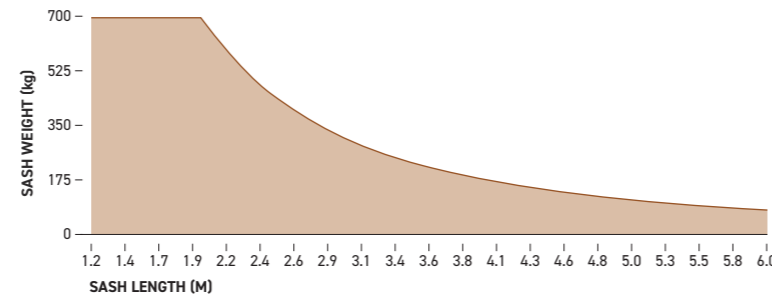
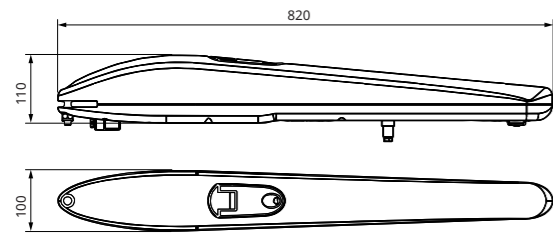
LN Large

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

- 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 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	24V 6 m	230V 6 m
Supply (Vac - Hz)	24 Vdc	230-50
Full load absorption (A)	7	1.2
Maximum electric power (W)	170	240

Mechanical data	24V 6 m	230V 6 m
Operating speed (m/s)	0.012	0.014
Maximum thrust (N)	2400	2400
Working cycle (cycles/hour)	32	14

Control units to be used



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



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



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

Accessories



GATE FITTINGS AND ACCESSORIES
The full range of gate fittings can be found at p. X



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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

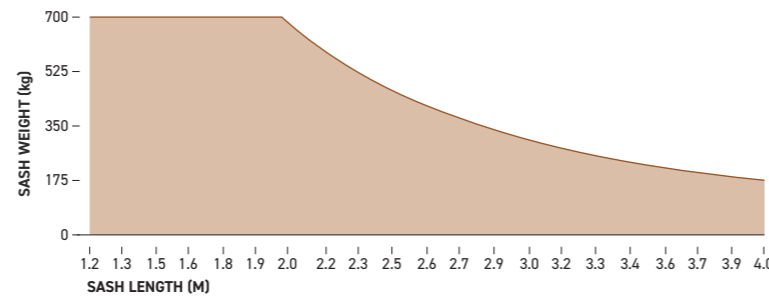
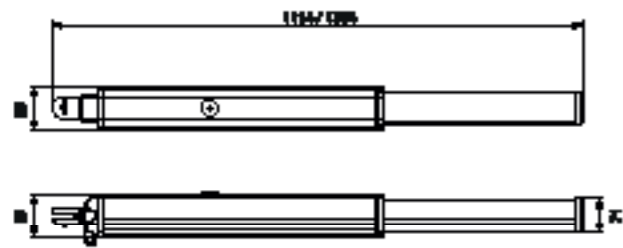
HY Medium

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 ÷ +90	-10 ÷ +90

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

Control units to be used



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



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

Accessories



GATE FITTINGS AND ACCESSORIES
The full range of gate fittings can be found at p. X



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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

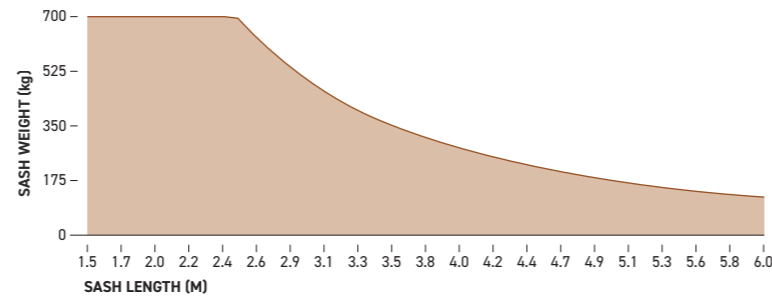
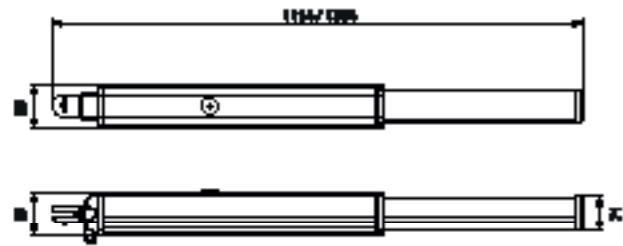
HY Large

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 ÷ +90	-10 ÷ +90

Electrical data	230V 6 m	230V 6 m
Supply (Vac - Hz)	230-50	230-50
Full load absorption (A)	1	1
Maximum electric power (W)	230	230

Mechanical data	230V 6 m	230V 6 m
Operating speed (m/s)	0.01	0.01
Maximum thrust (N)	7000	7000
Working cycle (cycles/hour)	continuous	continuous

Control units to be used



CX EV02
Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 24V
Code 12Y002



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

Accessories



GATE FITTINGS AND ACCESSORIES
The full range of gate fittings can be found at p. X



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X

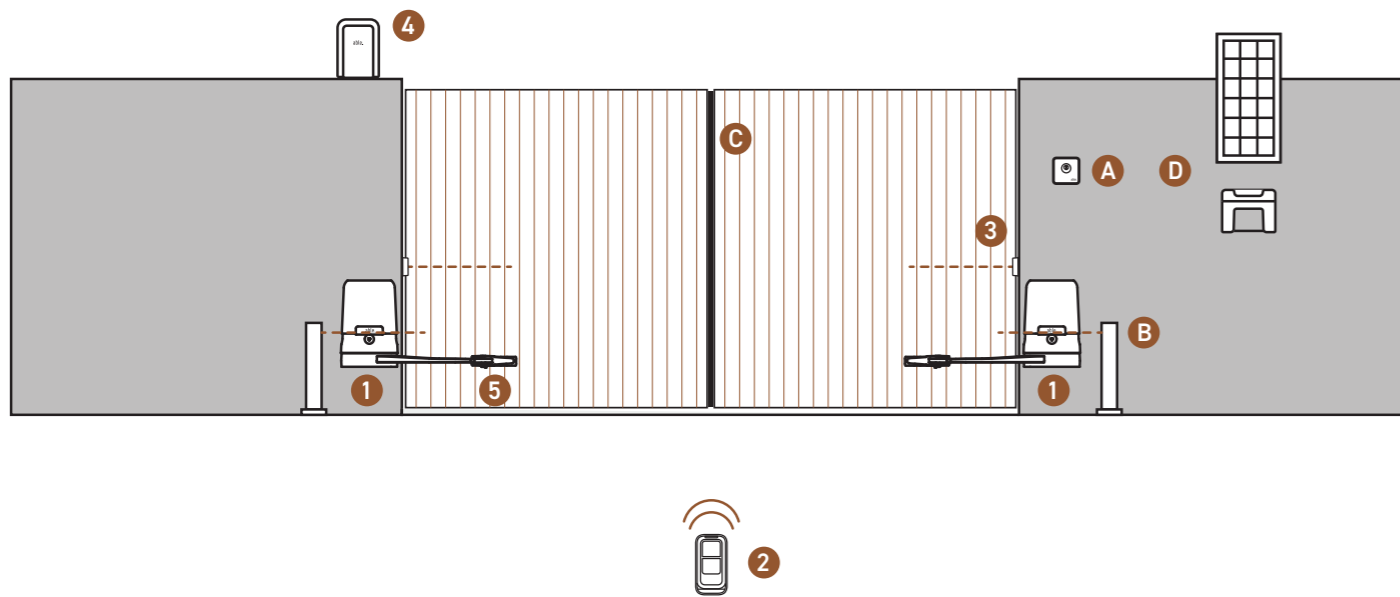


ACCESS DEVICES
The full range of access devices can be found at p. X

Articulated arm for swing gates



Articulated arm for swing gates



Components

- 1 Actuator p. ...
- 2 Transmitter p. ...
- 3 Photocells p. ...
- 4 Flashing light with built-in antenna p. ...
- 5 Receiving module p. ...

Additional accessories

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

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. X
	up to 2.5 m		AR SMALL 2500 24M	p. X
slave	up to 2 m		AR SMALL 2000 24S	p. X
	up to 2.5 m		AR SMALL 2500 24S	p. X

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
- Energy Saving function to minimise consumption in stand-by mode
- Operational cycle counter with programmable maintenance reminders
- Wi-Fi module for motor control via app
- 24V auxiliary output always on for activators
- Compliant with new standby ecodesign regulation EU2023/826

Technical features

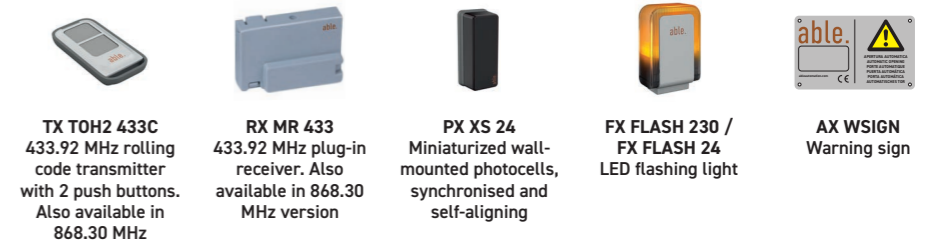


Product data	24V 2 m	24V 2 m
Model	AR SMALL 2000 24M	AR SMALL 2000 24S
Code	22Y001	22Y002
Weight (kg)	6.2	6.2
Maximum leaf weight (kg)	250	250
Degree of protection (IP)	44	44
Operating temperature (C°)	-20 ÷ +55	-20 ÷ +55

Electrical data	24V 2 m	24V 2 m
Supply (Vac - Hz)	230-50	230-50
Maximum electric power (W)	250	-
Consumption standby	<0.5	<0.5

Mechanical data	24V 2 m	24V 2 m
Gate speed (rpm)	1	1
Maximum thrust (N)	250	250
Working cycle (cycles/hour)	???	???

Kit model



Kit light

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

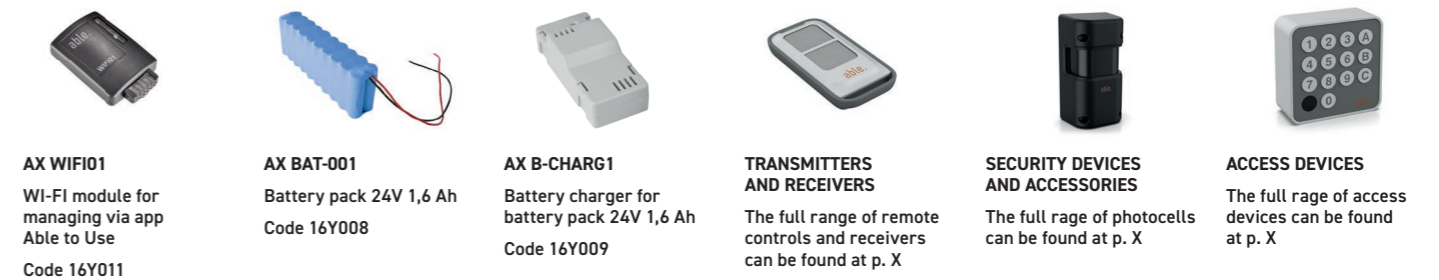
Kit full

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

Radio kit



Accessories



motors for swing gates

AR Medium

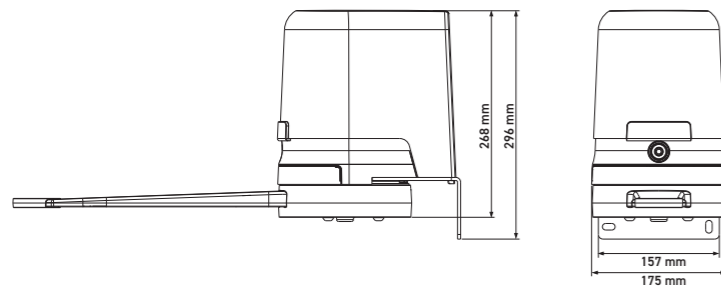
24V electromechanical articulated arm actuator for swing gates with leaves up to 2.5 m



- Easy installation on pillars of medium or big dimensions
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using backup battery
- Operation with solar power system
- Programming with 3 program buttons and display
- Plug-in adaptor for modular radio receiver
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Energy Saving function to minimise consumption in stand-by mode
- Operational cycle counter with programmable maintenance reminders
- Wi-Fi module for motor control via app
- 24V auxiliary output always on for activators
- Compliant with new standby ecodesign regulation EU2023/826

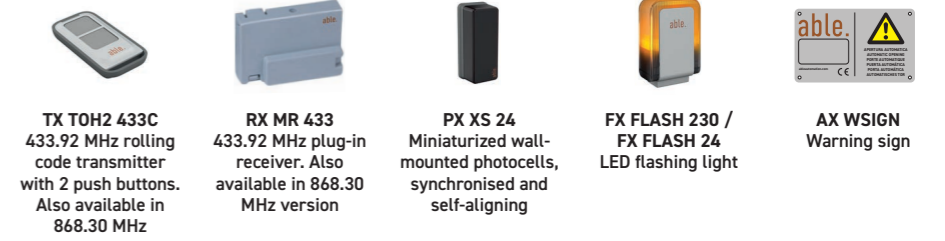


Technical features



Product data	24V 2.5 m	24V 2.5 m
	AR MEDIUM 2500 24M	AR MEDIUM 2500 24S
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	24Vdc
Maximum electric power (W)	280	-
Consumption standby	<0.5	<0.5
Mechanical data		
Gate speed (rpm)	1.6	1.6
Maximum thrust (N)	380	380
Working cycle (cycles/hour)	35	35

Kit model



Kit light

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

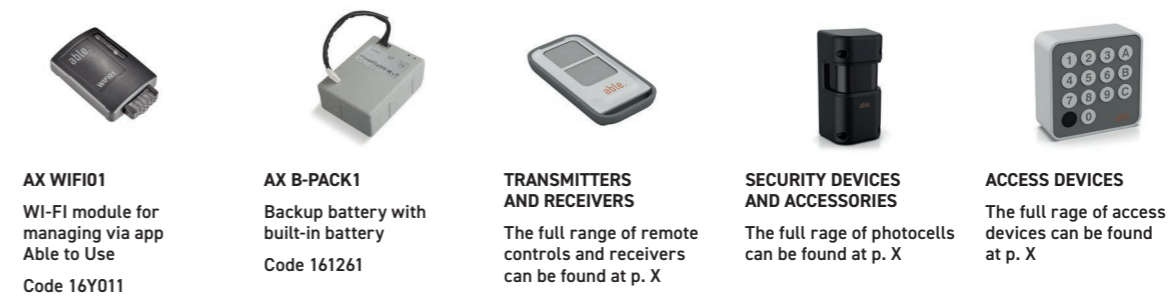
Kit full

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

Radio kit



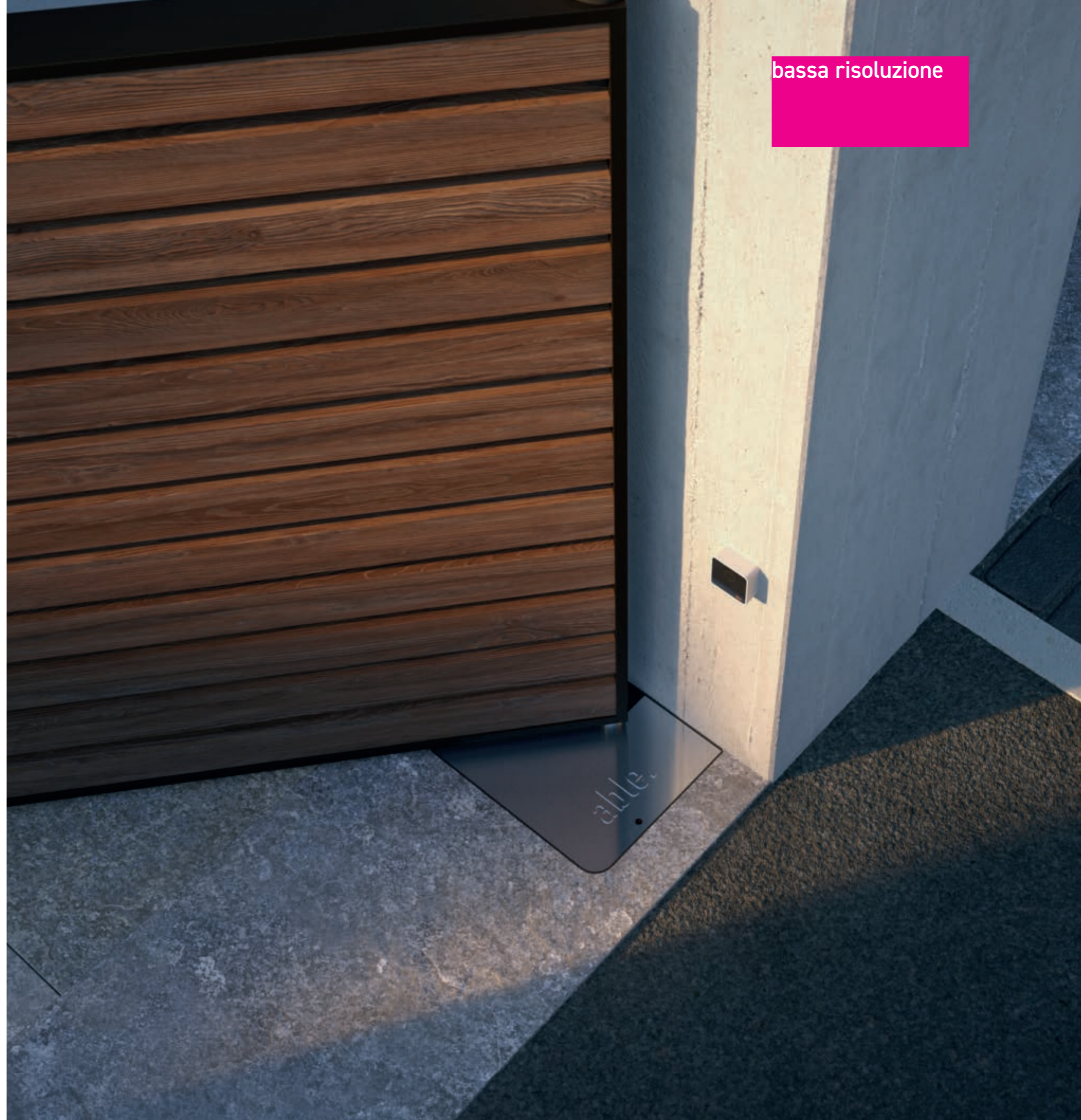
Accessories



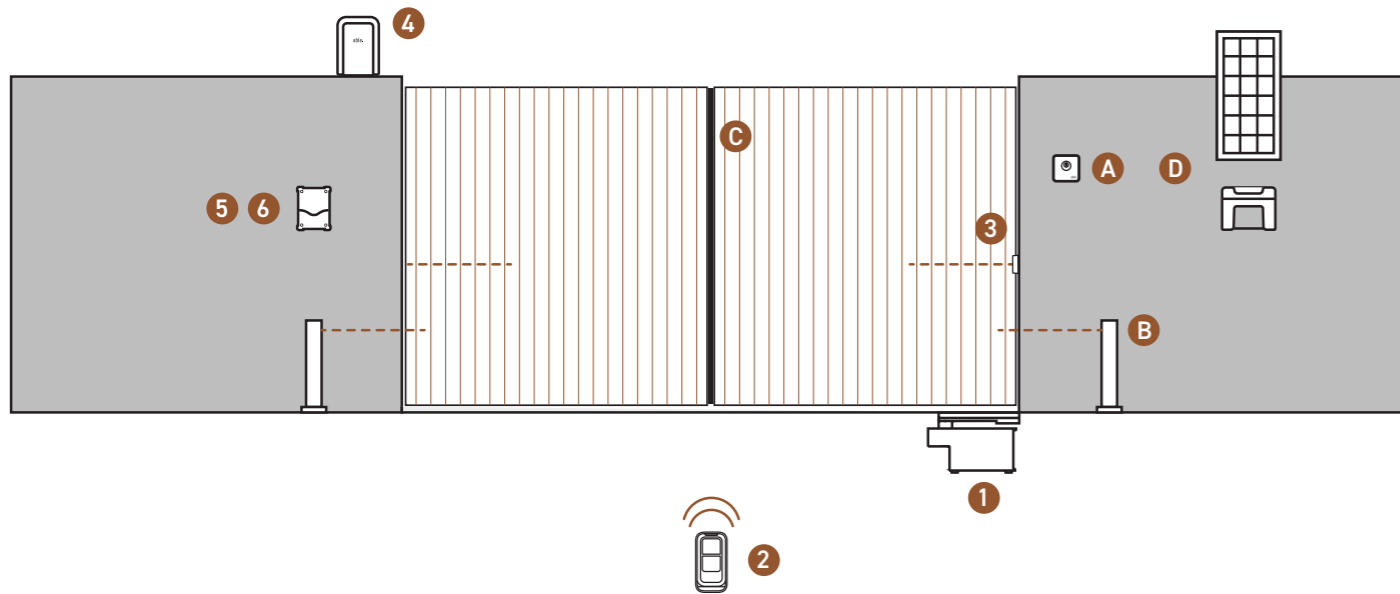
motors for swing gates

Underground motors for swing gates

bassa risoluzione



Underground motors for swing gates



Components

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

Additional accessories

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

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. X

230V — up to 3.5 m —  UG MEDIUM 3500 230 p. X

230V — up to 3.5 m —  UG MEDIUM 3500LC 230 p. X

UG Medium



Electromechanical motor reducer for underground mounting.
For swing gates with leaves up to 3.5 m

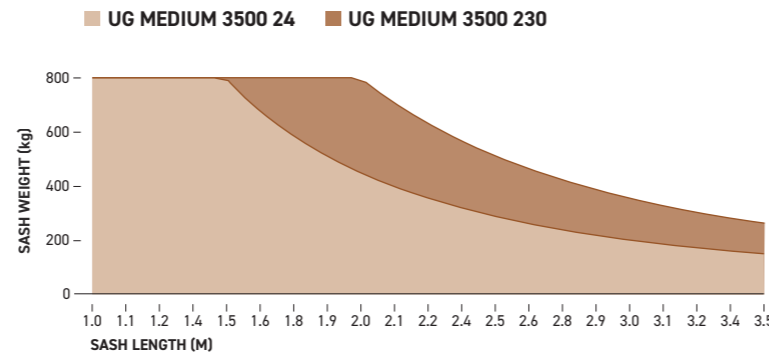
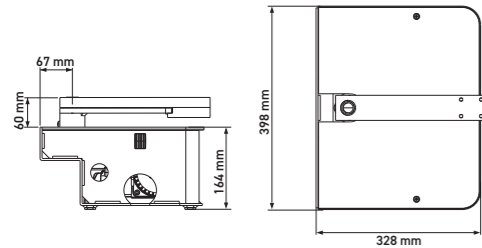
- Sealed motor reducer
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever
- 7M version with 7 m long power cable
- The special mounting holes allow UG motors to be installed inside numerous existing models of foundation boxes
- Adjustable opening and closing mechanical stop



Technical features

24V version

- Encoder included



Product data	24V 3.5 m	230V 3.5 m	230V 3.5 m
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)	-	550	550
Consumption standby	<0.5	<0.5	<0.5

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

Minimum configuration to activate gate with remote control	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	14Y001/ 14Y002	16Y001
KL UG MEDIUM 3500 24E	29Y015	•	••				
KL UG MEDIUM 3500 230E	29Y016	•	••				

Kit full

Optimal configuration to safely activate gate with remote control	KIT CODE	12Y001/ 12Y002	10Y001	11Y001	13Y002	14Y001/ 14Y002	16Y001
KF UG MEDIUM 3500 24E	29Y013	•	••	•	•	•	•
KF UG MEDIUM 3500 230E	29Y014	•	••	•	•	•	•

Control units to be used



- CX EVO1**
Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 230V
Code 12Y001
- CX EVO2**
Universal digital control unit for swing or sliding motor automations - Output for 2 motors - 24V
Code 12Y002
- CX FLEXY 433**
Smart control unit for 230V motors
Code 12Y003

Accessories



- AX WIFI01**
Wi-Fi module for managing via app Able to Use
Code 16Y011 p. X
- AX CED-7M**
Encoder with 7m long cable
Code 16Y006 p. X
- TRANSMITTERS AND RECEIVERS**
The full range of remote controls and receivers can be found at p. X
- SECURITY DEVICES AND ACCESSORIES**
The full range of photocells can be found at p. X
- ACCESS DEVICES**
The full range of access devices can be found at p. X
- FOUNDATION BOXES AND ACCESSORIES**
The full range of foundation boxes can be found at p. X

Accessories

Gate fittings and accessories



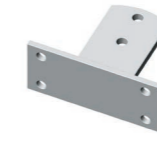
????

CODE ???
Adjustable mechanical stop (pack of 2 pcs.)



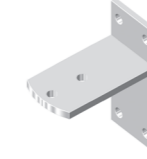
AX M-STOP

CODE 162258
LN-Series medium accessory: 2 pieces mechanical stop



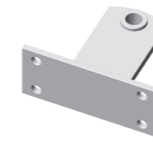
AX R-BRK01

CODE 162299
LN-Series medium accessory: 2 pieces of rear fixing bracket shielded - horizontal



AX R-BRK02

CODE 162256
LN-Series medium accessory: 2 pieces of rear fixing bracket shielded - vertical



AX F-BRK01

CODE 162257
LN-Series medium accessory: 2 pieces of front fixing bracket shielded - vertical



AX FIX-BRACK01

CODE 162237
TL-Line accessory: fixing bracket 01



AX VER-LOCK01

CODE 162912
Accessory: vertical electric-lock 12v



AX HOR-LOCK01

CODE 162913
Accessory: horizontal electric-lock 12v



???codici bracci articolati??

CODE ???
???

AX UG BOX

CODE 16Y005
UG-Series medium accessory: steel foundation box



AX UG BOX-IX

CODE 16Y020
UG-Series medium accessory: stainless steel foundation box



AX UNL180

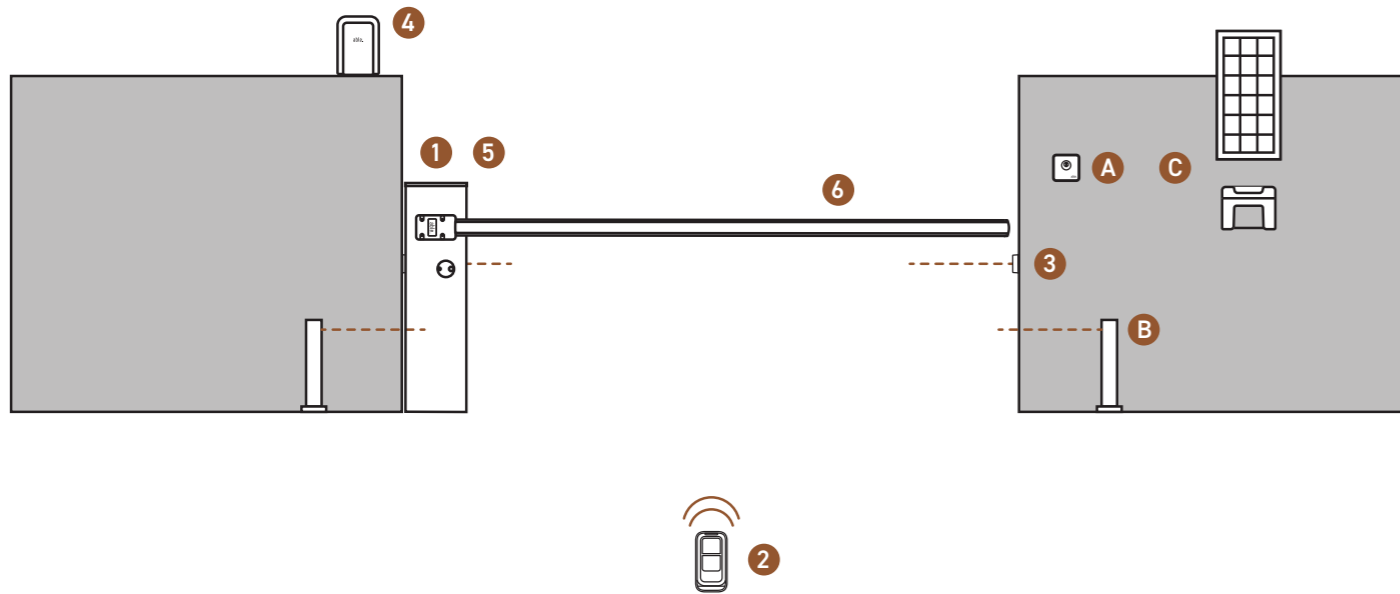
CODE 16Y004
UG-Series medium accessory: unlock system >110

Barriers



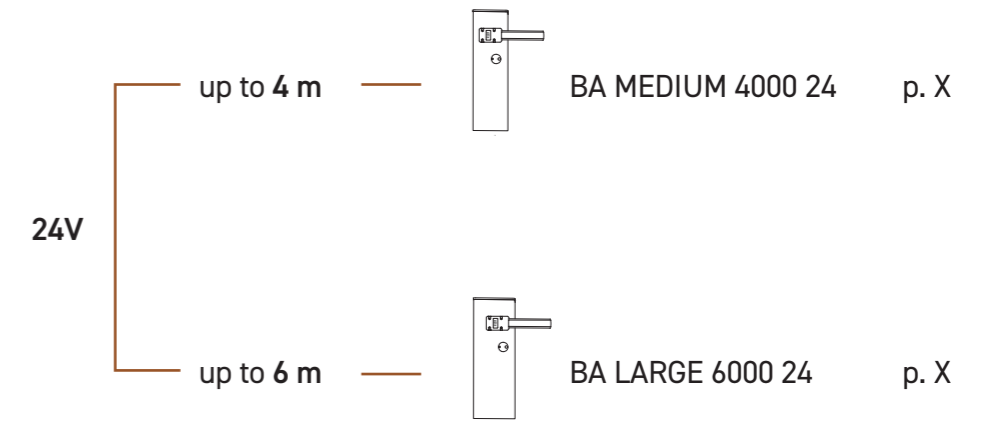
Barriers

Choice guide



Residential and multiple use

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



Components

- 1 Actuator p. ...
- 2 Transmitter p. ...
- 3 Photocells p. ...
- 4 Flashing light with built-in antenna p. ...
- 5 Receiving module p. ...
- 6 Boom p. ...

Additional accessories

- A Digital or key switch p. ...
- B Pillar photocells p. ...
- C Solar system p. ...

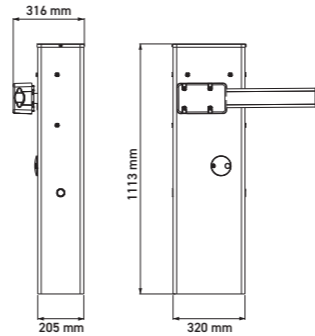
BA Medium

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
- WiFi module enabling barrier control via app
- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- Holding magnet output
- Energy saving function to minimise consumption in stand-by mode
- 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 EU2023/826



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
Maximum electric power (W)	300
Consumption standby	<0.5
Motor power supply (Vdc)	24

Mechanical data

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

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 four remotes 433 MHz
Code 28Y003

Accessories



AX WIFI01
Wi-Fi module for managing via app Able to Use
Code 16Y011



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



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



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



SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X



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

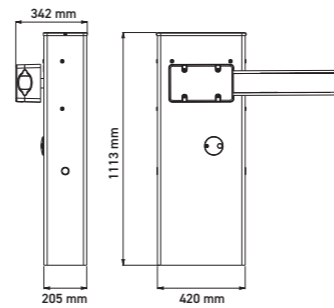
BA Large

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
- WiFi module enabling barrier control via app
- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- Holding magnet output
- Energy saving function to minimise consumption in stand-by mode
- 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 EU2023/826



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
Maximum electric power (W)	240
Consumption standby	<0.5
Motor power supply (Vdc)	24

Mechanical data

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

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 four remotes 433 MHz
Code 28Y003

Accessories



AX WIFI01

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



AX B-PACK1

Backup battery with built-in battery
Code 161261



AX SYNCLUX

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



TRANSMITTERS AND RECEIVERS

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



SECURITY DEVICES AND ACCESSORIES

The full range of photocells can be found at p. X



ACCESS DEVICES

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

Accessories



- AX 6M STRIP RUB**
CODE 163675
BA-Series accessory: transparent rubber kit for RGB 6m
- AX 1M RUBBER**
CODE 163641
BA-Series accessory: protection rubber 1m x 9pcs.
- AX MOB-STAND**
CODE 163643
BA-Series accessory: mobile stand for boom
- AX END POST**
CODE 163605
BA-Series accessory: end support post
- AX KIT STRIPES**
CODE 163622
LN-



- AX 2M RACK**
CODE 163650
BA-Series accessory: red adhesive reflective stripes kit - 24pcs.
- AX CX**
CODE CA123A
Accessory: eco-logic connection cable
- PX BA 24**
CODE 13S017
PX-Line: synchronized photocell for internal mount in the barrier
- AX LOOP DET1**
CODE 162241
Accessory: magnetic loop detector 1 channel detection control board
- AX LOOP DET2**
CODE 162242
LN-Accessory: magnetic loop detector 2 channels detection control board



- AX LOOP CAB 9M**
CODE CAB106
Accessory: 9m cable for loop detection

Accessories for 4m barriers

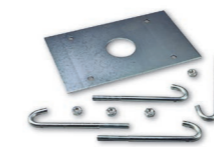


- AX BOOM**
CODE 163638
BA-Series medium accessory: 4m aluminium boom
- AX RGB STRIP**
CODE 163677
BA-Series medium accessory: rgb led strip - 4m
- AX WHI STRIP**
CODE 163651
BA-Series medium accessory: led strip - 4m
- AX FIX-PLATE**
CODE 163687
BA-Series medium accessory: NUUR4 boom joint
- AX BOOM-JOINT**
CODE 163684
BA-Series medium accessory: NUUR4 boom joint

Accessories for 6m barriers



- AX 3M BOOM**
CODE 163647
BA-Series large accessory: 3m aluminium boom
- AX 5M BOOM**
CODE 163639
BA-Series large accessory: 5m aluminium boom
- AX BOOM-JOINT**
CODE 163653
BA-Series large accessory: boom joint
- AX RGB STRIP**
CODE 163678
BA-Series large accessory: RGB led strip - 6m
- AX WHI STRIP**
CODE 163652
BA-Series large accessory: LED strip - 6m



- AX FIX-PLATE**
CODE 163688
BA-Series large accessory: NUUR6 anchor plate

Motors for garage doors and rolling shutters



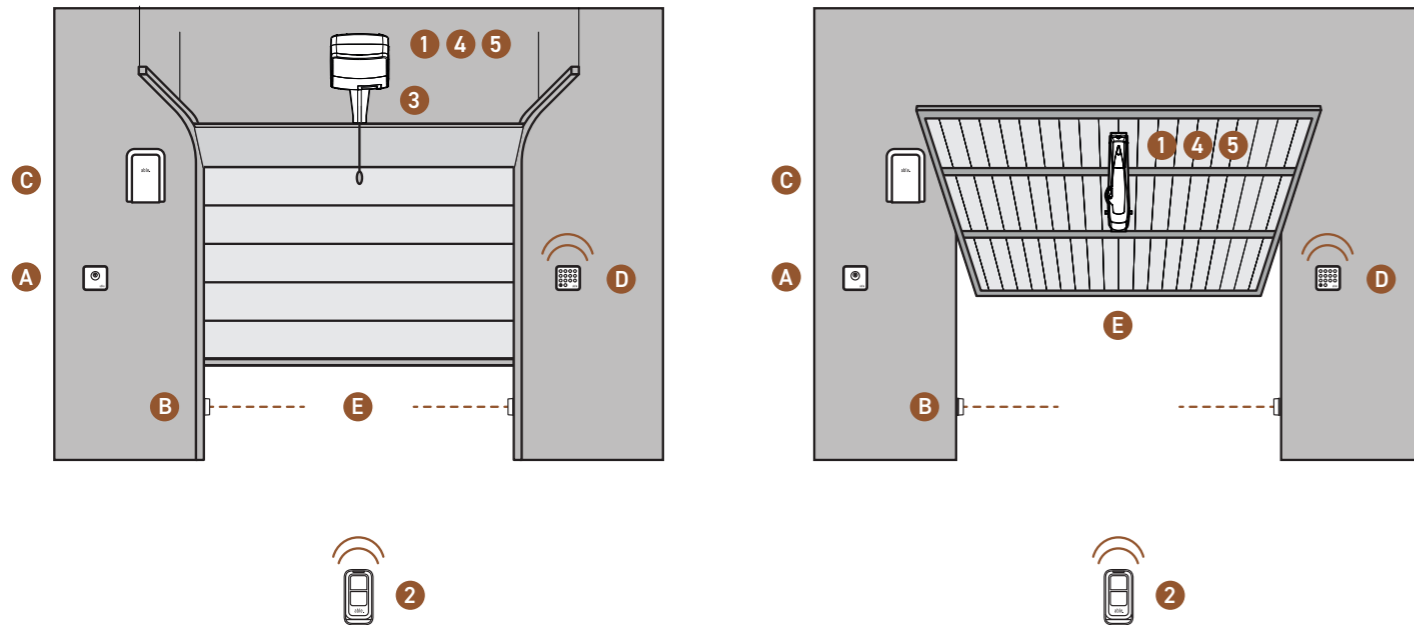
Motors for garage doors

Choice guide



Garage doors

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



Components

- 1 Actuator p. ...
- 2 Transmitter p. ...
- 3 Guide (chain/belt) p. ...
- 4 Control unit p. ...
- 5 Receiving module p. ...

Additional accessories

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

Sectional and balanced door centre roof installation

up to 10 sqm

DC SMALL 700 24 p. X

up to 15 sqm

DC MEDIUM 1000 24 p. X

Balanced door centre door installation

up to 9 sqm with control unit

DD SMALL 9000D 230 p. X

up to 9 sqm without control unit

DD SMALL 9000 230 p. X

DC Small

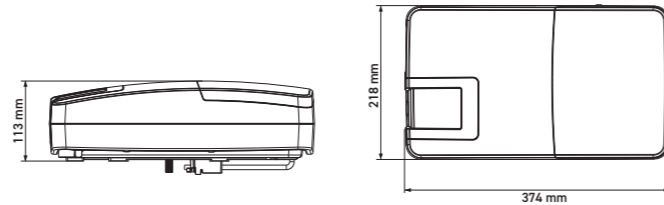


24V electromechanical gearmotor for sectional and balanced doors up to 10 sqm

- 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 EU2023/826
- 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
Maximum electric power (W)	330
Consumption standby	<0.5

Mechanical data

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

Kit model

TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz	RX MR 433 433.92 MHz plug-in receiver. Also available in 868.30 MHz version	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	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	14Y001/ 14Y002	16Y001
KL DC SMALL 700 24	32Y002	• •	•			

Radio kit

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

Accessories

AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011	AX B-PACK 2 Backup battery with built-in battery Code 161212	GARAGE DOOR ACCESSORIES The full range of garage doors accessories can be found at p. X	TRANSMITTERS AND RECEIVERS The full range of remote controls and receivers can be found at p. X	SECURITY DEVICES AND ACCESSORIES The full range of photocells can be found at p. X	ACCESS DEVICES The full range of access devices can be found at p. X

DC Medium

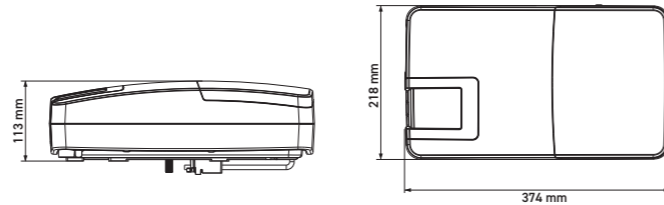


24V electromechanical gearmotor for sectional and balanced doors up to 15 sqm

- 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 EU2023/826
- 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

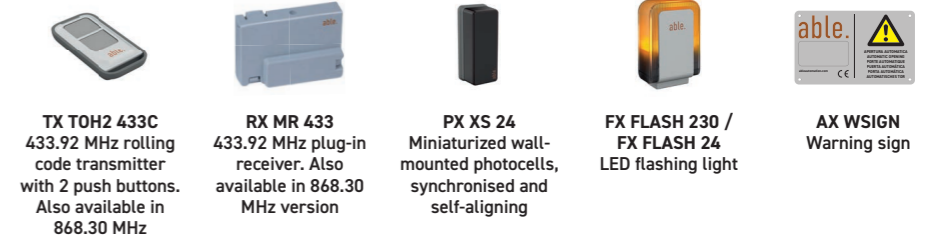
Electrical data

Supply (Vac - Hz)	230-50
Maximum electric power (W)	350
Consumption standby	<0.5

Mechanical data

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

Kit model



TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz

RX MR 433
433.92 MHz plug-in receiver. Also available in 868.30 MHz version

PX XS 24
Miniaturized wall-mounted photocells, synchronised and self-aligning

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	14Y001/ 14Y002	16Y001
KL DC MEDIUM 1000 24	32Y001	• •	•			

Radio kit

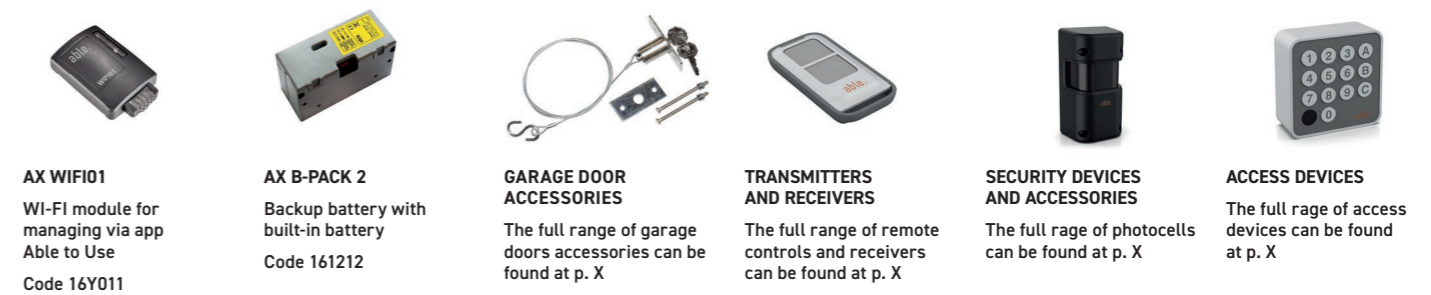


KL RX MR 2 433
Kit radio plugin with two remotes 433 MHz
Code 28Y001

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

KL RX WAL 4 433
Kit radio external with four remotes 433 MHz
Code 28Y003

Accessories



AX WIFI01
Wi-Fi module for managing via app Able to Use
Code 16Y011

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

GARAGE DOOR ACCESSORIES
The full range of garage doors accessories can be found at p. X

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

SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X

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

DD Small

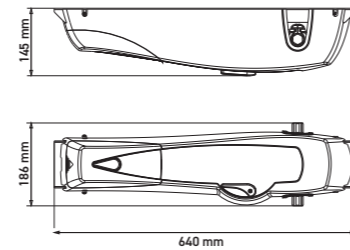


Irreversible electromechanical actuator for balanced doors up to 9 sqm

- 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 EU2023/826
- 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	9
Degree of protection (IP)	20	20
Operating temperature (C°)	-20 ÷ +50	-20 ÷ +50

Electrical data	230V	230V with control unit
Supply (Vac - Hz)	230-50	230-50
Full load absorption (A)	2.5	2.5
Maximum electric power (W)	575	575
Maximum accessory load (W)	-	3
Consumption standby	<0.5	<0.5

Mechanical data	230V	230V with control unit
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. Also available in 868.30 MHz	RX MR 433 433.92 MHz plug-in receiver. Also available in 868.30 MHz version	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	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	14Y001/ 14Y002	16Y001
KL DD SMALL 9000D 230	32Y003	• •	•			

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 four remotes 433 MHz Code 28Y003

Accessories

AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011	TRANSMITTERS AND RECEIVERS The full range of remote controls and receivers can be found at p. X	SECURITY DEVICES AND ACCESSORIES The full range of photocells can be found at p. X	ACCESS DEVICES The full range of access devices can be found at p. X	GARAGE DOOR The full range of gate fittings can be found at p. X

Accessories



AX CW BRAK

CODE 162504
DC-Series accessory:
adaptor bracket
for counterweight
balanced doors



AX CHAIN-G 33

CODE 162560
DC-Series accessory:
3,3m pre-assembled
chain guide



AX CHAIN-G 2X165

CODE 162568
DC-Series accessory:
2x1,65m pre-assembled
chain guide



AX CHAIN-G 38

CODE 162562
DC-Series accessory:
3,8m pre-assembled
chain guide



AX BELT-G 33

CODE 162571
DC-Series accessory:
3,3m pre-assembled
belt guide



AX BELT-G 2X165

CODE 162574
DC-Series accessory:
2x1,65m pre-assembled
belt guide



AX ADP 60-33

CODE 162636
DR-Series accessory:
plastic adapter
60-33mm



AX ADP 101-76

CODE 162650
DR-Series accessory:
plastic adapter
101-76mm



AX ADP 101-90

CODE 162649
DR-Series accessory:
plastic adapter
101-90mm



AX RED-01

CODE 162637
DR-Series accessory:
bracket transmission
gear ratio 1:6



AX RED-02

CODE 162648
DR-Series accessory:
bracket transmission
gear ratio 1:3



AX BRA-002

CODE 162638
DR-Series accessory:
support for bracket
transmission



AX BELT-G 38

CODE 162575
DC-Series accessory:
4m pre-assembled
belt guide



AX ARM-001

CODE 162401
DD-Series accessory:
straight telescopic arm
with iron rod



AX ARM-002

CODE 162407
DD-Series accessory:
curved telescopic arm



AX ARM-003

CODE 162415
DD-Series accessory:
pair of curved
telescopic arms with
iron rod



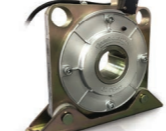
AX SHA-001

CODE 162411
DD-Series accessory:
pair of transmission
shafts with sleeves,
2 m in length



AX SLE-001

CODE 162404
DD-Series accessory:
pair of sleeves



AX PAR-001

CODE 162642
DR-Series accessory:
parachute



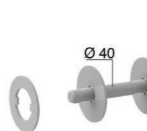
AX PAR-002

CODE 162643
DR-Series accessory:
parachute support



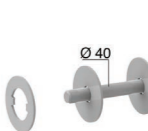
AX BEA-01

CODE 162644
DR-Series accessory:
bearing for bracket
transmission support



**AX SHA-002
AX SHA-003
AX SHA-003**

CODE 162639 (101.6x2)
CODE 162640 (133x4)
CODE 162641 (159x4.5)
DR-Series accessory:
shaft / flange kit



**AX SHA-005
AX SHA-006
AX SHA-007**

CODE 162651 (4 inch)
CODE 162652 (5 inch)
CODE 162653 (6 inch)
DR-Series accessory:
shaft / flange kit



AX KEY-SW2

CODE 162646
DR-Series accessory:
wall-mounted
aluminium key switch
with two contact, push
button and unlocking
handle



AX ANC-001

CODE 162405
DD-Series accessory:
kit for anchoring to the
structure



AX BRA-001

CODE 162406
DD-Series accessory:
pair of tube guide
brackets with bushes



AX BAC-001

CODE 162414
DD-Series accessory:
1.2 m long anchoring
backstay



AX BAC-002

CODE 162402
DD-Series accessory:
1.8 m long anchoring
backstay



AX REL-001

CODE 162403
DD-Series accessory:
external release kit
with metal wire



AX ADP 60-42

CODE 162635
DR-Series accessory:
plastic adapter
60-42mm



AX KEY-SW1

CODE 162645
DR-Series accessory:
wall-mounted
aluminium key switch
with two contact and
electrobrake release



AX KEY-S 03

CODE 162654
DR-Series accessory:
wall-mounted
aluminium key switch
with two contact



**GARAGE DOOR
ACCESSORIES**

The full range of garage
doors accessories can
be found at p. X

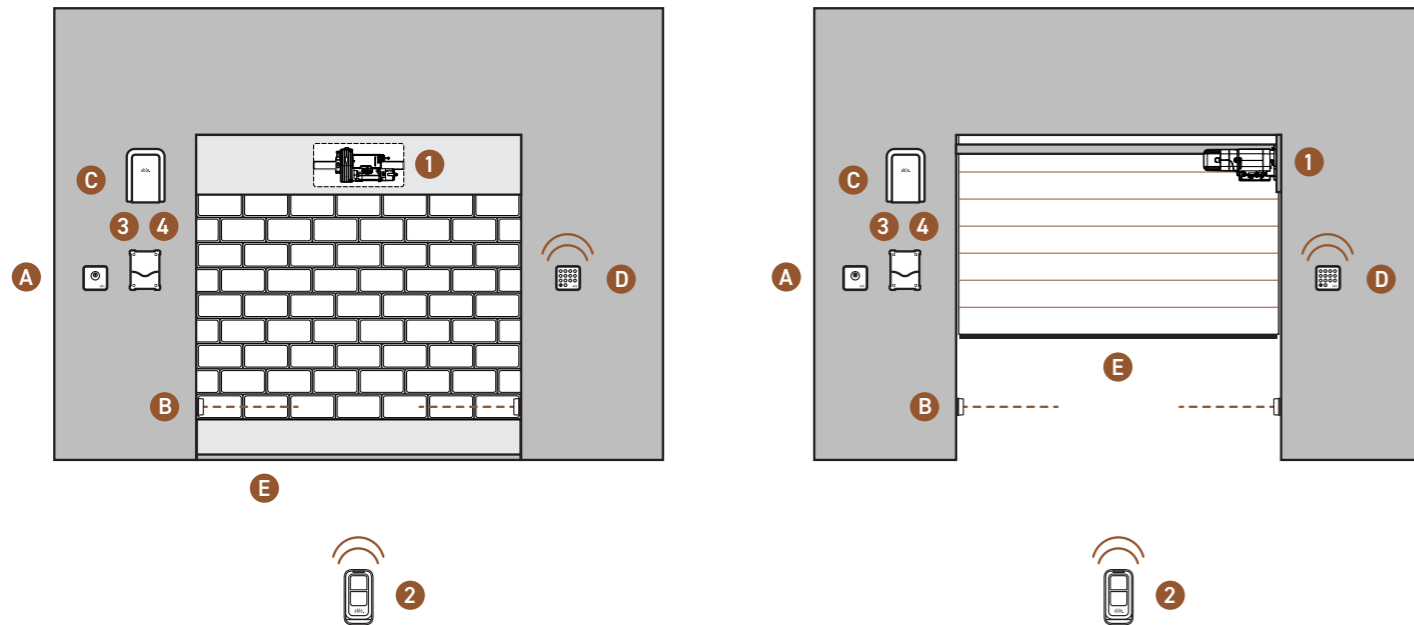
Motors for rolling shutters

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.

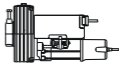
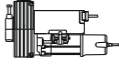
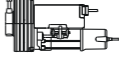
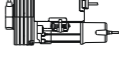



Components

- 1 Actuator p. ...
- 2 Transmitter p. ...
- 3 Control unit p. ...
- 4 Receiving module p. ...

Additional accessories

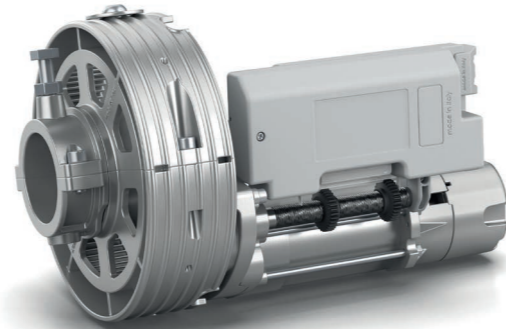
- A Key switch p. ...
- B Photocells p. ...
- C Flashing light with built-in antenna p. ...
- D Digital radio switch p. ...
- E Safety edges p. ...

230V	up to 170 kg with electrobrake		DR SMALL 170B 230 p. X
	up to 170 kg without electrobrake		DR SMALL 170 230 p. X
	up to 260 kg with electrobrake		DR MEDIUM 260B 230 p. X
	up to 380 kg with electrobrake		DR MEDIUM 380B 230 p. X
	up to 600 kg with electrobrake		DR LARGE 600B 230 p. X

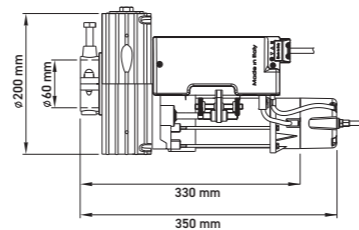
DR Small

Irreversible electromechanical actuator for shutter weighing up to 170 kg

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

Electrical data

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

Mechanical data

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

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 four remotes 433 MHz
Code 28Y003

Accessories



AX KEY-SW3

Aluminum key selector with tubular lock, control button and electrobrake release.
Code 162647



AX DR-S BRK

Electro-brake for DR Small 170
Code 162633



TRANSMITTERS AND RECEIVERS

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



SECURITY DEVICES AND ACCESSORIES

The full range of photocells can be found at p. X



ACCESS DEVICES

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



ROLLING SHUTTERS

The full range of accessories for rolling shutters can be found at p. X

Control units to be used



CX TOP

Smart control unit for 230V motors
Code 12Y008



CX BASIC 433

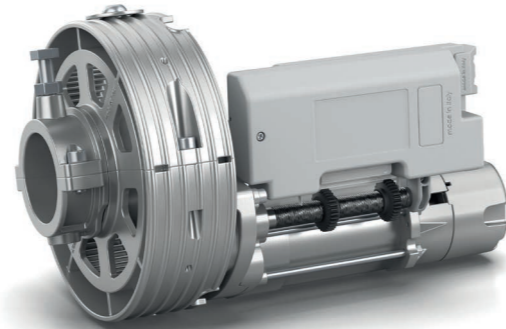
Analogue control unit for 230V motors
Code 12Y007

DR Medium

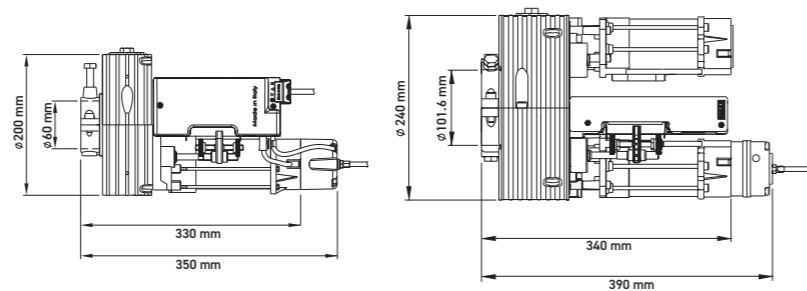


Irreversible electromechanical actuator for shutter weighing up to 380 kg

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



Technical features



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 \varnothing (B) (mm)	60/48	101/76
Motor crown \varnothing (A) (mm)	200/220	240

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 four remotes 433 MHz
Code 28Y003

Accessories



AX KEY-SW3

Aluminum key selector with tubular lock, control button and electrobrake release.
Code 162647

TRANSMITTERS AND RECEIVERS

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

SECURITY DEVICES AND ACCESSORIES

The full range of photocells can be found at p. X

ACCESS DEVICES

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

ROLLING SHUTTERS

The full range of accessories for rolling shutters can be found at p. X

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

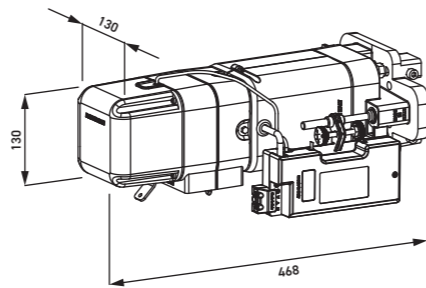
DR Large

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 (min)	6
Thermal time (min)	5
Chain type	10A

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 four remotes 433 MHz
Code 28Y003

Accessories

AX KEY-SW3
Aluminum key selector with tubular lock, control button and electrobrake release.
Code 162647

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

SECURITY DEVICES AND ACCESSORIES
The full range of photocells can be found at p. X

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

ROLLING SHUTTERS
The full range of accessories for rolling shutters can be found at p. X

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

Tubular motors for rolling shutters and awnings













Choice guide






Ø35 tubular motors

Mechanical limit switch	with built-in radio receiver		TM 35	p. X
			TM 35 RM	p. X
Electronic limit switch			TM 35 FE	p. X
	with built-in radio receiver		TM 35 RFE	p. X
	with built-in radio receiver and Wi-Fi		TM 35 RFEW	p. X

Ø45 tubular motors

Mechanical limit switch	with manual override		TM 45	p. X
			TM 45 H	p. X
	with built-in radio receiver and manual override		TM 45 HRM	p. X
	with built-in radio receiver		TM 45 RM	p. X
Electronic limit switch	with built-in radio receiver and battery powered		TM 45 SRP	p. X
	with built-in radio receiver		TM 45 RFE	p. X
	with built-in radio receiver for adjustable slat rolling shutter		TM 45 RFO	p. X
	with built-in radio receiver and obstacle detection		TM 45 ROD	p. X
	with built-in radio receiver and Wi-Fi		TM 45 RFEW	p. X
	with built-in radio receiver, obstacle detection and Wi-Fi		TM 45 RODW	p. X

Ø59 tubular motors

Mechanical limit switch	with manual override		TM 59	p. X
	with built-in radio receiver		TM 59 H	p. X
Electronic limit switch			TM 59 RM	p. X
	with built-in radio receiver		TM 59 RFE	
	with built-in radio receiver for adjustable slat rolling shutter		TM 59 RFO	

Ø92 tubular motors

Mechanical limit switch	and manual override		TM 92 H	p. X
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Venetian blinds motor

Ø55 tubular motors

Mechanical limit switch			VM 55	p. X
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Ø66 tubular motors

Linear limit switch			VM 66	p. X
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Accessories for tubular motors

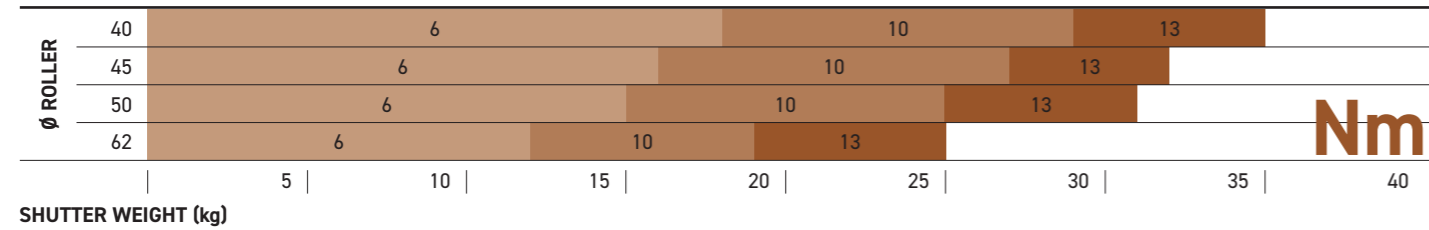
p. X

Selection guide

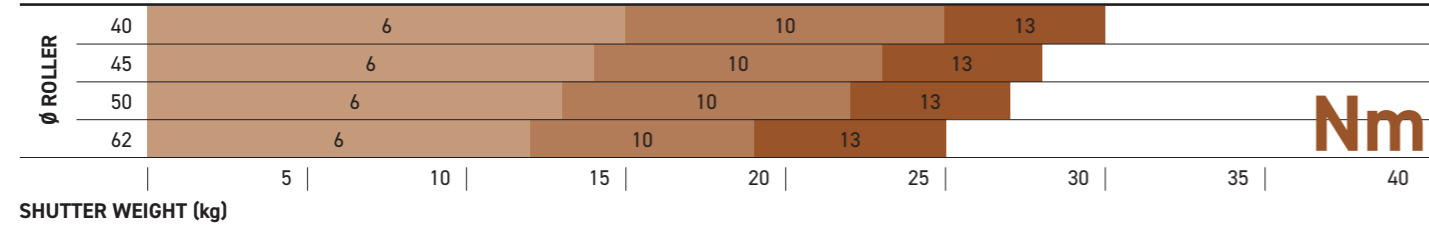
Ø 35 mm tubular motors for rolling shutters.

Rolling shutter with louver-board max 40 mm high and 9 mm thick

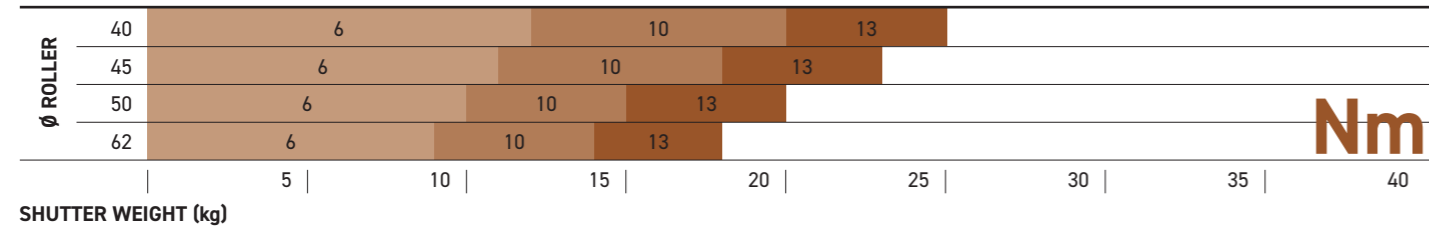
Height of the shutter up to 1.5 m



Height of the shutter from 1.5 to 2.5 m



Height of the shutter from 2.5 to 3.5 m



Ø 35 mm

	TM 35-6-28	TM 35-10-17	TM 35-13-14
Mechanical limit switch			
Mechanical limit switch and built-in radio receiver	-	-	TM 35-13-14 RM
Electronic limit switch	TM 35-6-28 FE	TM 35-10-17 FE	-
Electronic limit switch, encoder and built-in radio receiver	TM 35-6-28 RFE	TM 35-10-17 RFE	-
Electronic limit switch, built-in radio receiver and Wi-Fi	TM 35-6 28 RFEW	TM 35-10-17 RFEW	-

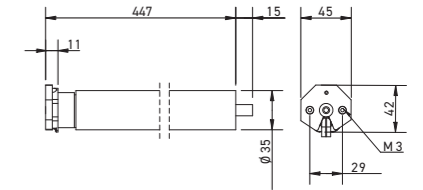
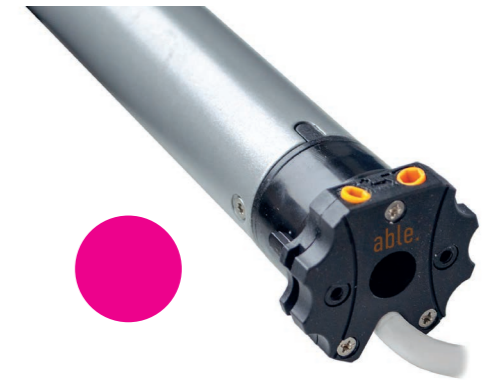
Note. the values in the table can even double depending on the thickness of the material used. Moreover, the presence of strong frictions can impact the actual weight that the motor will have to lift.

Vertical awnings or mosquito nets. In order to automate vertical awnings or mosquito nets it is necessary to take into account only the weight of the bar used to keep the screen stretched.

TM Ø35



Tubular motor Ø35 mm with mechanical limit switch



Accessories included

- Adapter (code 163488)
- Wall bracket (code 163509)
- Pulley (code 162710)
- Crown (code 162711) for octagonal tube Ø 40 x 0.6

Product data

Model	TM 35-6-28	TM 35-10-17	TM 35-13-14
Code	27Y001	27Y002	27Y003
Maximum load (kg) - Value calculated with roller Ø40 mm	15	25	30
Degree of protection (IP)	44	44	44

Electrical data

	TM 35-6-28	TM 35-10-17	TM 35-13-14
Supply (Vac - Hz)	230-50	230-50	230-50
Maximum electric power (W)	121	121	121
Rated current (A)	0.53	0.53	0.53
Cable length - (m)	2.5	2.5	2.5

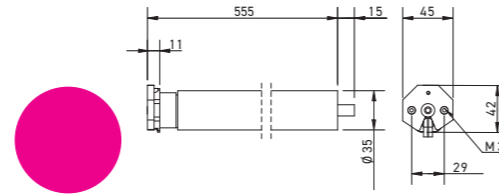
Mechanical data

	TM 35-6-28	TM 35-10-17	TM 35-13-14
Speed (rpm)	28	14	14
Torque (Nm)	6	10	13

TM Ø35 FE



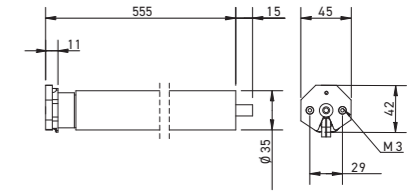
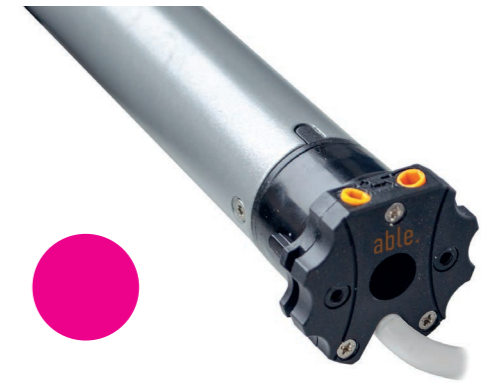
Tubular motor Ø35 mm with electronic limit switch



TM Ø35 RFEW



Tubular motor Ø35 mm with electronic limit switch, built-in radio receiver and Wi-Fi



Product data

Model	TM 35-6-28 FE	TM 35-10-17 FE
Code	27Y049	27Y050
Degree of protection (IP)	44	44

Electrical data

Maximum electric power (W)	121	121
Rated current (A)	0.53	0.53
Cable length - (m)	-20 ÷ +50	-10 ÷ +50

Mechanical data

Speed (rpm)	28	17
Torque (Nm)	6	10

Product data

Model	TM 35-6-28 RFEW	TM 35-10-17 RFEW
Code	27Y066	27Y067
Degree of protection (IP)	44	44

Electrical data

Maximum electric power (W)	121	121
Rated current (A)	0.53	0.53
Operating temperature (°C)	-20 ÷ +50	-10 ÷ +50

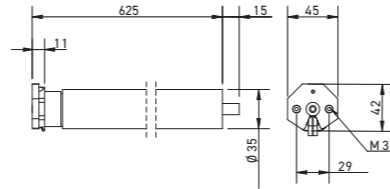
Mechanical data

Speed (rpm)	28	17
Torque (Nm)	6	10

TM Ø35 RM



Tubular motor Ø35 mm with mechanical limit switch and built-in radio receiver



Accessories included

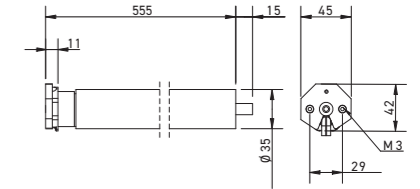
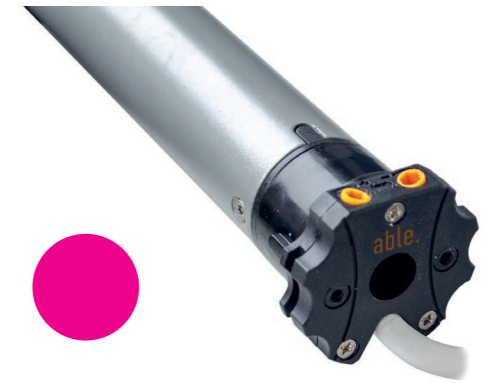
- Adapter (code 163488)
- Wall bracket (code 163509)
- Pulley (code 162710)
- Crown (code 162711) for octagonal tube Ø 40 x 0.6

Product data		230V
Model		TM 35-13-14 RM
Code		27Y004
Maximum load (kg) - Value calculated with roller Ø40 mm		30
Degree of protection (IP)		44
Electrical data		
Supply (Vac - Hz)		230-50
Maximum electric power (W)		121
Rated current (A)		0.53
Cable length - (m)		2.5
Mechanical data		
Speed (rpm)		14
Torque (Nm)		13

TM Ø35 RFE



Tubular motor Ø35 mm with electronic limit switch, encoder and built-in radio receiver



Accessories included

- Adapter (code 163488)
- Wall bracket (code 163509)
- Pulley (code 163510)
- Crown (code 163511) for round tube Ø 40 x 1.5

Product data		230V	230V
Model		TM 35-6-28 RFE	TM 35-10-17 RFE
Code		27Y005	27Y006
Maximum load (kg) - Value calculated with roller Ø40 mm		15	25
Degree of protection (IP)		44	44
Electrical data			
Supply (Vac - Hz)		230-50	230-50
Maximum electric power (W)		121	121
Rated current (A)		0.53	0.53
Cable length - (m)		2.5	2.5
Mechanical data			
Speed (rpm)		28	14
Torque (Nm)		6	10

Accessories



CX PRG2
Expansion board for 2 motors (single control)
Code 12Y708



CX-DEV-T1 434
434.15 MHz built-in transmitter module powered from the mains
Code 12Y701



TRANSMITTERS AND ACCESSORIES
The full range of accessories specific for tubular motors can be found at p. X

Control units to be used



CX CU1 434
External control unit for the automation of awnings or rolling shutters
Code 12Y703



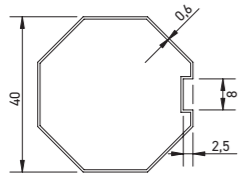
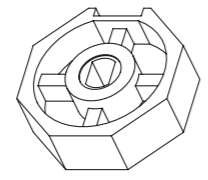
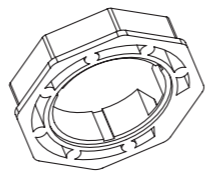
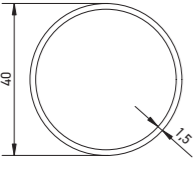
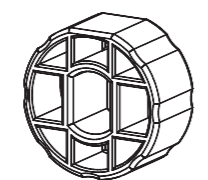

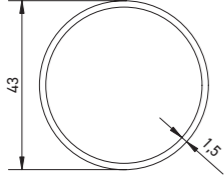
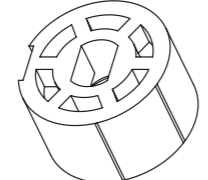
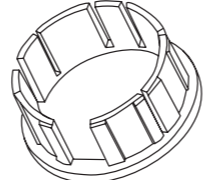
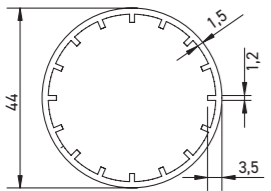
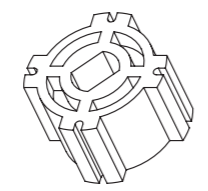

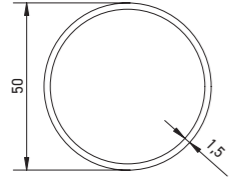
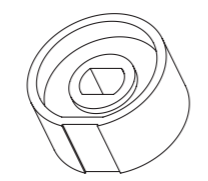
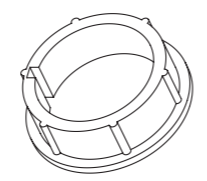
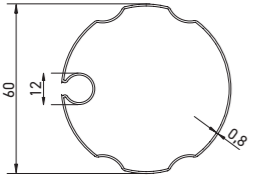
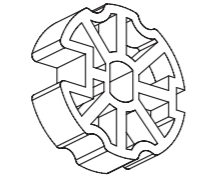
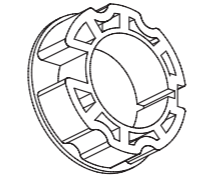
CX CU3
External control unit for the automation of awnings or rolling shutters
Code 12Y704

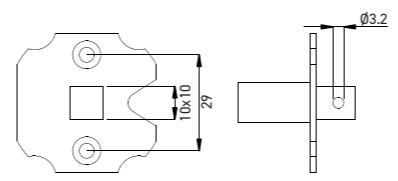
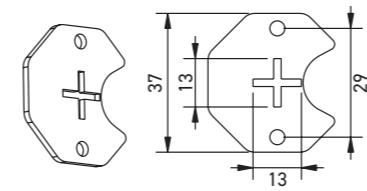
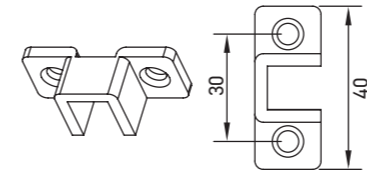
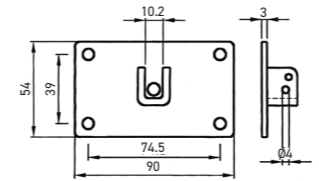
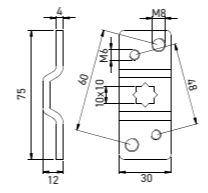
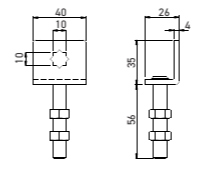
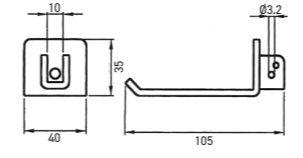
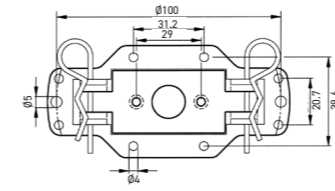


CX CU4
External control unit for the automation of awnings or rolling shutters
Code 12Y705



CX DEV-R1 434
Built-in miniature receiver for controlling a single phase asynchronous motor
Code 12Y706

TUBE	PULLEY (Plastic)	CROWN (Plastic)
<p>Octagonal \varnothing 40x0.6</p> 	<p>COD. 162710 Plastic</p> 	<p>COD. 162711 Plastic</p> 
<p>Round \varnothing 40x1.5</p> 	<p>COD. 163510 Plastic</p> 	<p>COD. 163511 Plastic</p> 
<p>Round \varnothing 43x1.5</p> 	<p>COD. 162712 Plastic</p> 	<p>COD. 163423 Plastic</p> 
<p>Round \varnothing 44</p> 	<p>COD. 162713 Plastic</p> 	
<p>Round \varnothing 50x1.5</p> 	<p>COD. 162757 Plastic</p> 	
<p>Corrugated notch \varnothing 60</p> 	<p>COD. 162782 Plastic</p> 	<p>COD. 162783 Plastic</p> 

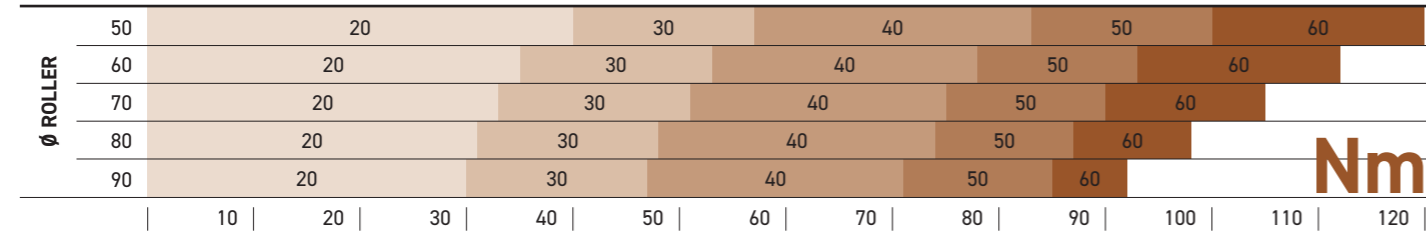
ACCESSORIES (Metal)	DESCRIPTION	CODE
	Adapter for wall brackets (except 162729)	163488
	Adapter for screen curtains (max. 10Nm)	163412
	Wall bracket 10 x 10 mm (max. 10 Nm)	162729
	Wall bracket	162764
	Wall bracket	163509
	Bracket with vertical adjustment	162733
	Wall bracket	163477
	Box bracket	163490

Selection guide

Ø 45 mm tubular motors for rolling shutters

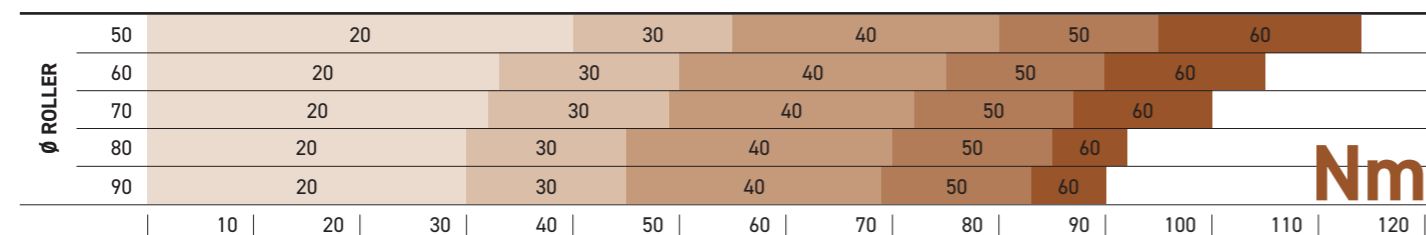
Rolling shutter with louver-board max 55 mm high and 14 mm thick

Height of the shutter up to 1,5 m



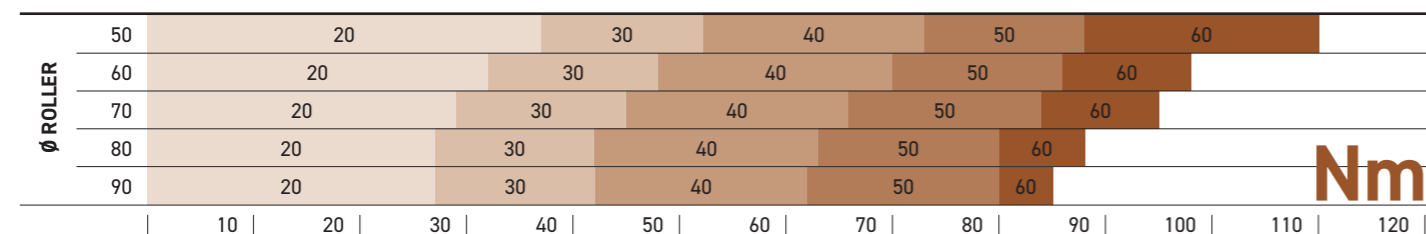
SHUTTER WEIGHT (Kg)

Height of the shutter from 1,5 to 2,5 m



SHUTTER WEIGHT (Kg)

Height of the shutter from 1,5 to 2,5 m



SHUTTER WEIGHT (Kg)

Ø 45 mm

	TM 45-20-15	TM 45-30-15	TM 45-40-15	TM 45-50-12	TM 45-60-8
Basic model	TM 45-20-15	TM 45-30-15	TM 45-40-15	TM 45-50-12	TM 45-60-8
Built-in radio receiver	TM 45-20-15 RM	TM 45-30-15 RM	TM 45-40-15 RM	TM 45-50-12 RM	-
Mechanical limit switch	TM 45-20-15 H	TM 45-30-15 H	TM 45-40-15 H	TM 45-50-12 H	TM 45-60-12 H
Manual override	TM 45-20-15 H	TM 45-30-15 H	TM 45-40-15 H	TM 45-50-12 H	TM 45-60-12 H
Manual override and radio receiver	-	TM 45-30-15 HRM	TM 45-40-15 HRM	TM 45-50-12 HRM	-
Built-in radio receiver	TM 45-20-15 RFE	TM 45-30-15 RFE	TM 45-40-15 RFE	TM 45-50-12 RFE	-
Built-in radio receiver for adjustable slat rolling shutter	-	-	-	TM 45-50-12 RFO	-
Electronic limit switch and encoder	TM 45-20-15 ROD	TM 45-30-15 ROD	TM 45-40-15 ROD	TM 45-50-12 ROD	-
Built-in radio receiver and obstacle detection	TM 45-20-15 ROD	TM 45-30-15 ROD	TM 45-40-15 ROD	TM 45-50-12 ROD	-
Built-in radio receiver and Wi-Fi	TM 45-20-15 RFEW	TM 45-30-15 RFEW	TM 45-40-15 RFEW	TM 45-50-12 RFEW	-
Built-in radio receiver, obstacle detection and Wi-Fi	TM 45-20-15 RODW	TM 45-30-15 RODW	TM 45-40-15 RODW	TM 45-50-12 RODW	-

TM Ø45

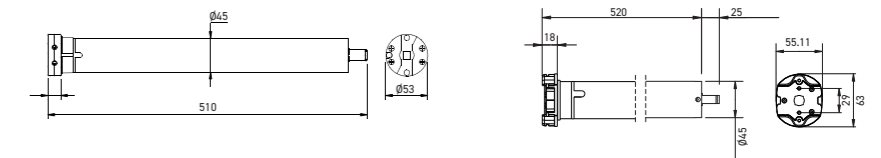


Tubular motor Ø45 mm with mechanical limit switch.



Accessories included

- Adapter (code 163471 for TM 45-20/30 - code 163470 for TM 45-40/50 - code 163512 for TM 45-60-8)
- Wall bracket (code 163509)
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60



Product data

Model	TM 45-20-15	TM 45-30-15	TM 45-40-15	TM 45-50-12	TM 45-60-8
Code	27Y007	27Y008	27Y009	27Y010	27Y011
Maximum load (kg) - Value calculated with roller Ø50 mm	40	55	80	95	114
Degree of protection (IP)	44	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50	230-50
Maximum electric power (W)	145	191	198	205	208
Rated current (A)	0.64	0.83	0.86	0.89	0.89
Cable length - (m)	2.5	2.5	2.5	2.5	2.5

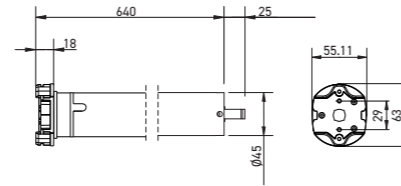
Mechanical data

Speed (rpm)	15	15	15	15	8
Torque (Nm)	20	30	40	50	60

TM Ø45 RFO



Tubular curtain motor Ø45 mm with electronic limit switch and built-in radio receiver



Product data

Model	TM 45-50-12 RFO
Code	27Y051
Degree of protection (IP)	

Electrical data

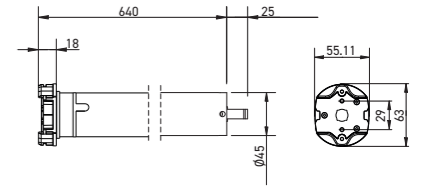
Maximum electric power (W)	
Rated current (A)	
Operating temperature (°C)	

Mechanical data

Speed (rpm)	
Torque (Nm)	

TM Ø45 RFEW

Tubular motor Ø45 mm with electronic limit switch, built-in radio receiver and Wi-Fi



Product data

Model	TM 45-20-15 RFEW	TM 45-30-15 RFEW	TM 45-40-15 RFEW	TM 45-50-12 RFEW
Code	27Y052	27Y053	27Y054	27Y055
Degree of protection (IP)	44	44	44	44

Electrical data

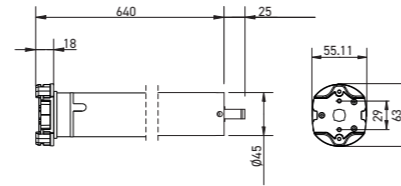
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89

Mechanical data

Speed (rpm)	15	15	15	12
Torque (Nm)	20	30	40	50

TM Ø45 RODW

Tubular motor Ø45 mm with electronic limit switch, built-in radio receiver, wifi and obstacle detection



Product data

Model	TM 45-20-15 RODW	TM 45-30-15 RODW	TM 45-40-15 RODW	TM 45-50-12 RODW
Code	27Y056	27Y057	27Y058	27Y059
Degree of protection (IP)	44	44	44	44

Electrical data

Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89

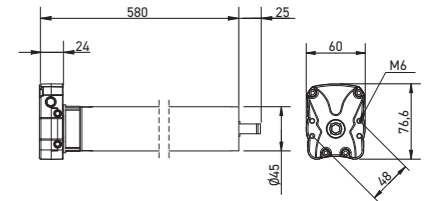
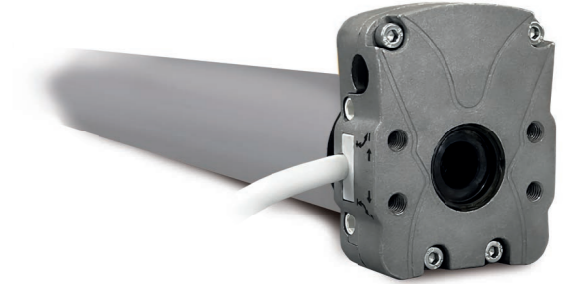
Mechanical data

Speed (rpm)	15	15	15	12
Torque (Nm)	20	30	40	50

TM Ø45 H



Tubular motor Ø45 mm with mechanical limit switch and manual override.



Accessories included

- Adapter (code 163472)
- Wall bracket (code 163509)
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60
- Eyelet (code 162825)

Product data

Model	TM 45-20-15 H	TM 45-30-15 H	TM 45-40-15 H	TM 45-50-12 H	TM 45-60-12 H
Code	27Y012	27Y013	27Y014	27Y015	27Y016
Maximum load (kg) - Value calculated with roller Ø50 mm	40	55	80	95	114
Degree of protection (IP)	44	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50	230-50
Maximum electric power (W)	145	191	198	205	208
Rated current (A)	0.64	0.83	0.86	0.89	0.89
Cable length - (m)	2.5	2.5	2.5	2.5	2.5

Mechanical data

Speed (rpm)	15	15	15	15	8
Torque (Nm)	20	30	40	50	60

TM Ø45 RM

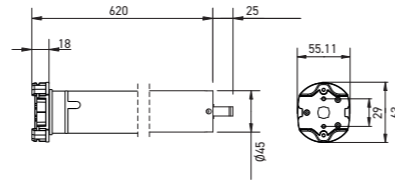


Tubular motor Ø45 mm with mechanical limit switch and built-in radio receiver.



Accessories included

- Adapter (code 163471 for TM 45-20/30 - code 163470 for TM 45-40/50)
- Wall bracket (code 163509)
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60



Product data

Model	TM 45-20-15 RM	TM 45-30-15 RM	TM 45-40-15 RM	TM 45-50-12 RM
Code	27Y017	27Y018	27Y019	27Y020
Maximum load (kg) - Value calculated with roller Ø50 mm	40	55	80	95
Degree of protection (IP)	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Cable length - (m)	2.5	2.5	2.5	2.5

Mechanical data

Speed (rpm)	15	15	15	15
Torque (Nm)	20	30	40	50

TM Ø45 HRM

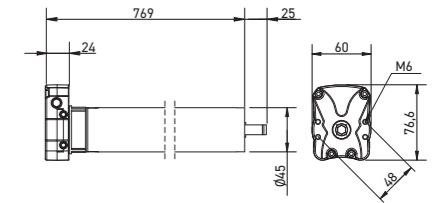


Tubular motor Ø45 mm with mechanical limit switch, built-in radio receiver (434.15 Mhz) and manual override.



Accessories included

- Adapter (code 163472)
- Wall bracket (code 163509)
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60
- Eyelet (code 162825)



Product data

Model	TM 45-30-15 HRM	TM 45-40-15 HRM	TM 45-50-12 HRM
Code	27Y025	27Y026	27Y027
Maximum load (kg) - Value calculated with roller Ø50 mm	55	80	95
Degree of protection (IP)	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50
Maximum electric power (W)	191	198	205
Rated current (A)	0.83	0.86	0.89
Cable length - (m)	2.5	2.5	2.5

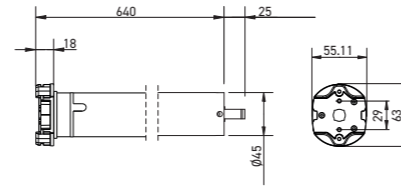
Mechanical data

Speed (rpm)	15	15	15
Torque (Nm)	30	40	50

TM Ø45 RFE



Tubular motor Ø45 mm with electronic limit switch, encoder and built-in radio receiver.



Accessories included for TM 45-20/30, not included for TM-45-40/50

- Adapter (code 163471)
- Wall bracket (code 163509) for TM 45-20/30
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60

Product data

Model	TM 45-20-15 RFE	TM 45-30-15 RFE	TM 45-40-15 RFE	TM 45-50-12 RFE
Code	27Y021	27Y022	27Y023	27Y024
Maximum load (kg) - Value calculated with roller Ø50 mm	40	55	80	95
Degree of protection (IP)	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Cable length - (m)	2.5	2.5	2.5	2.5

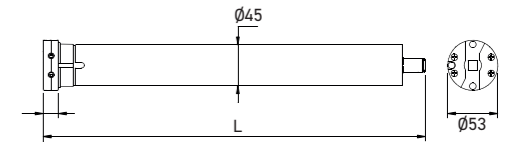
Mechanical data

Speed (rpm)	15	15	15	12
Torque (Nm)	20	30	40	50

TM Ø45 SRP



Tubular motor Ø45 mm with mechanical limit switch and built-in radio receiver. 12V battery powered.



Accessories included

- Adapter (code 163512)
- Wall bracket (code 163509)
- Pulley (code 162801)
- Crown (code 162802) for octagonal tube Ø 60

Product data

Model	TM 45-20-12 SRP	TM 45-50-12 SRP
Code	27Y028	27Y029
Maximum load (kg) - Value calculated with roller Ø50 mm	40	100
Degree of protection (IP)	44	44

Electrical data

Supply (Vac - Hz)	12	12
Maximum electric power (W)	45	90
Rated current (A)	3.8	7.5
Cable length - (m)	1	1
Length L - (mm)	490	650

Mechanical data

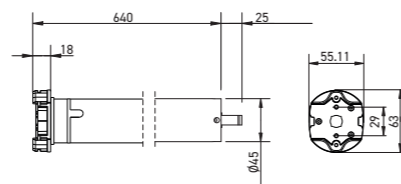
Speed (rpm)	10	5
Torque (Nm)	20	50

NOTE: SRP models are compatible with AX SYROCO-RS and AX HURRICANE-RS sensors. These models do not require the installation of an external pushbutton panel.

TM Ø45 ROD



Tubular motor Ø45 mm with electronic limit switch, built-in radio receiver and obstacle detection.



Product data

Model	TM 45-20-15 ROD	TM 45-30-15 ROD	TM 45-40-15 ROD	TM 45-50-12 ROD
Code	27Y043	27Y044	27Y045	27Y046
Maximum load (kg) - Value calculated with roller Ø50 mm	40	55	80	95
Degree of protection (IP)	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Cable length - (m)	2.5	2.5	2.5	2.5

Mechanical data

Speed (rpm)	15	15	15	12
Torque (Nm)	20	30	40	50

Accessories



CX PRG2
Expansion board for 2 motors (single control)
Code 12Y708



CX-DEV-T1 434
434.15 MHz built-in transmitter module powered from the mains
Code 12Y701



TRANSMITTERS AND ACCESSORIES
The full range of accessories specific for tubular motors can be found at p. X

Control units to be used



CX CU1 434
External control unit for the automation of awnings or rolling shutters
Code 12Y703



CX CU3
External control unit for the automation of awnings or rolling shutters
Code 12Y704



CX CU4
External control unit for the automation of awnings or rolling shutters
Code 12Y705



CX DEV-R1 434
Built-in miniature receiver for controlling a single phase asynchronous motor
Code 12Y706

Pagina che verrà eliminata una volta confermati tutti i prodotti del capitolo (se verranno confermati sarà necessario uno slittamento dei contenuti e/o dei prodotti)

TUBE

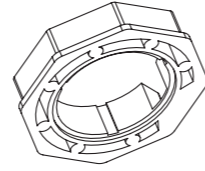
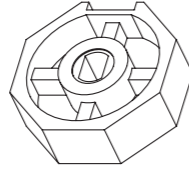
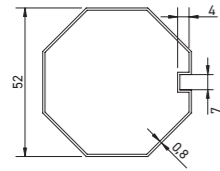
PULLEY

CROWN

Octagonal Ø 52

COD. 162751
Plastic

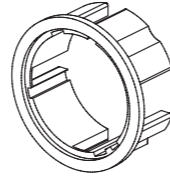
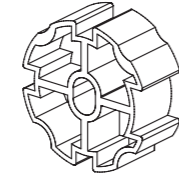
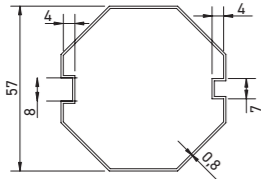
COD. 162752
Plastic



Octagonal Ø 57

COD. 162866
Plastic

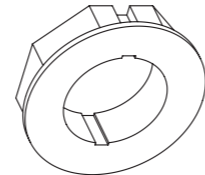
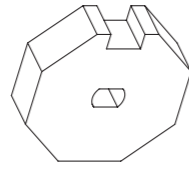
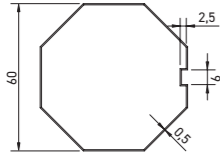
COD. 162867
Plastic



Octagonal Ø 60x0.5

COD. 163401
Plastic

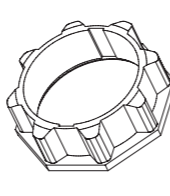
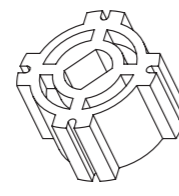
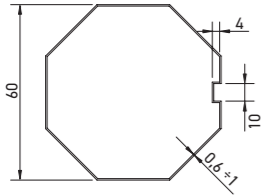
COD. 163402
Plastic



Octagonal Ø 60

COD. 162801
Plastic

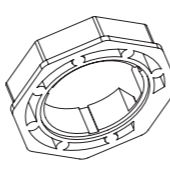
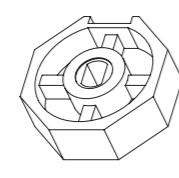
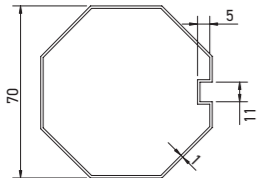
COD. 162802
Plastic



Octagonal Ø 70

COD. 162718
Metal

COD. 162719
Plastic



TUBE

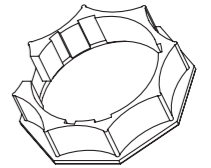
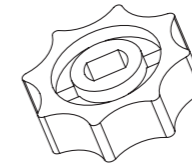
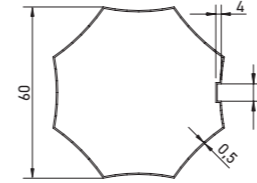
PULLEY

CROWN

Star Ø 60

COD. 162716
Metal

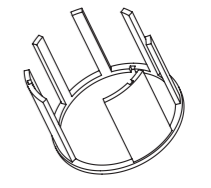
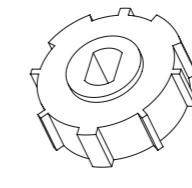
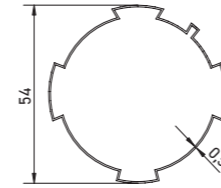
COD. 162715
Plastic



ZF54

COD. 162808
Plastic

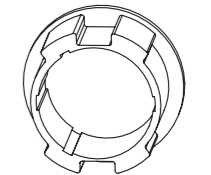
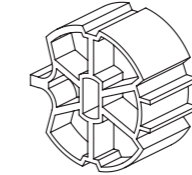
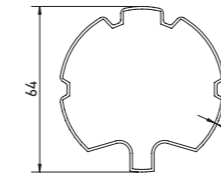
COD. 162809
Plastic



ZF64

COD. 163424
Plastic

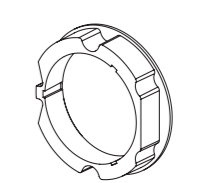
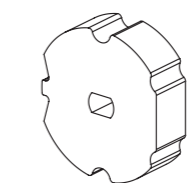
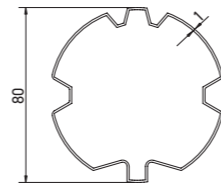
COD. 162891
Plastic

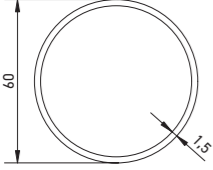
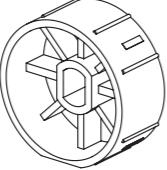
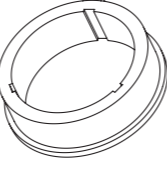
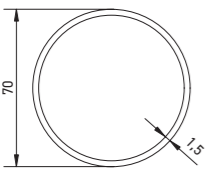
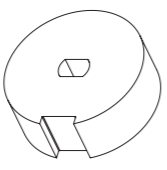
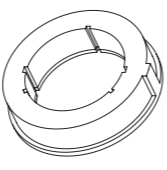
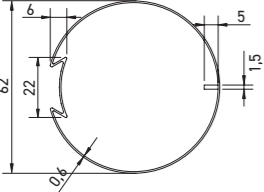

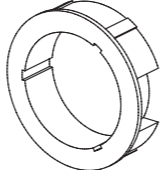
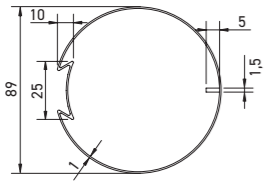
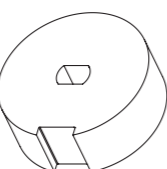
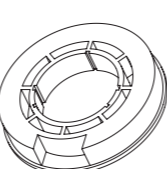
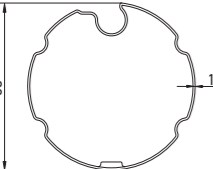
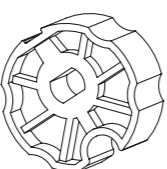
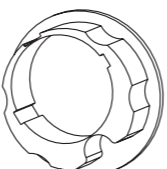


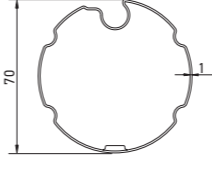
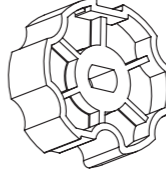
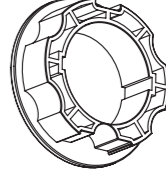
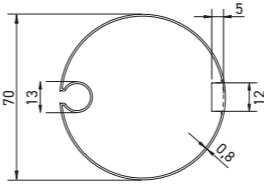
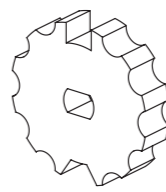
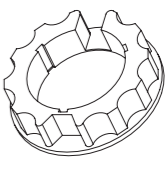
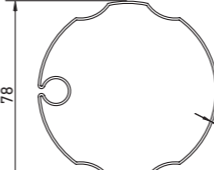
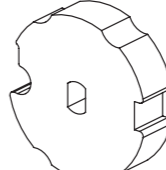
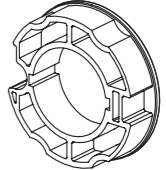
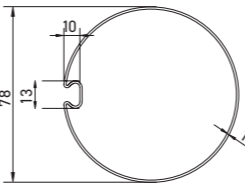
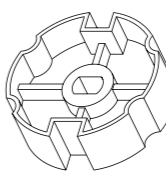
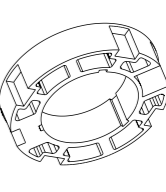
ZF80

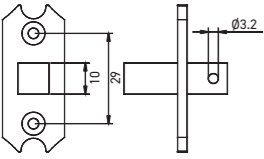
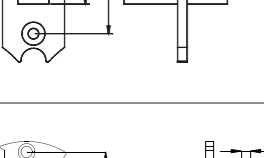
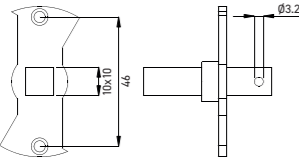
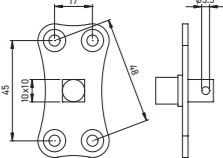
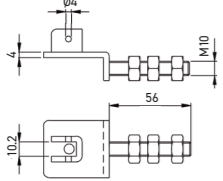
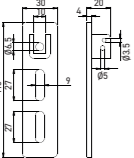
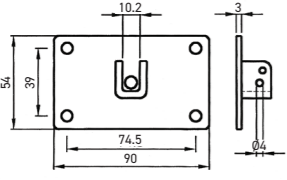
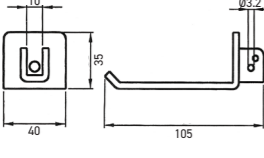
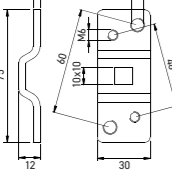
COD. 162898
Plastic

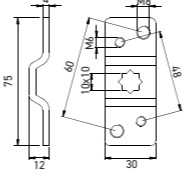
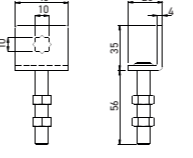
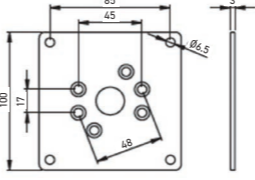
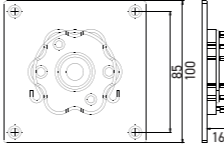
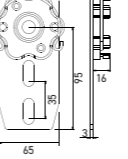
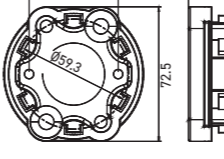
COD. 162899
Plastic



TUBE	PULLEY	CROWN
Round \varnothing 60x1.5 	COD. 162762 Plastic 	COD. 162763 Plastic 
Round \varnothing 70x1.5 	COD. 162798 Plastic 	COD. 162799 Plastic 
Deprat \varnothing 62 	COD. 162767 Plastic 	COD. 162862 Plastic 
Deprat \varnothing 89 	COD. 162806 Metal 	COD. 162807 Plastic 
Rollerbat notch \varnothing 63 	COD. 163413 Metal 	COD. 163414 Plastic 

TUBE	PULLEY	CROWN
Rollerbat notch \varnothing 70 	COD. 163415 Metal 	COD. 163416 Plastic 
Notch \varnothing 70 	COD. 163404 Metal 	COD. 162721 Plastic 
Rollerbat notch \varnothing 78 	COD. 163405 Metal 	COD. 163406 Plastic 
Flat notch \varnothing 78 	COD. 162758 Plastic 	COD. 162759 Plastic 

ACCESSORIES	DESCRIPTION	CODE
	Essentials adpter for wall brackets (except 163479) - Max 30 Nm	163471 Metal
-	-	-
	Essentials adpter for wall brackets (except 163479) - Max 50 Nm	163470 Metal
	Adapter for TM 45-60-8 and TM Ø45 SRP	163512 Metal
	Adapter for TM Ø45 H / essential for wall brackets (except 163479)	163472 Metal
	Support bracket with vertical adjustment	163476 Metal
	Support bracket with vertical adjustment	162822 Metal
	Wall bracket	162764 Metal
	Wall bracket	163477 Metal
	Wall bracket	162829 Metal

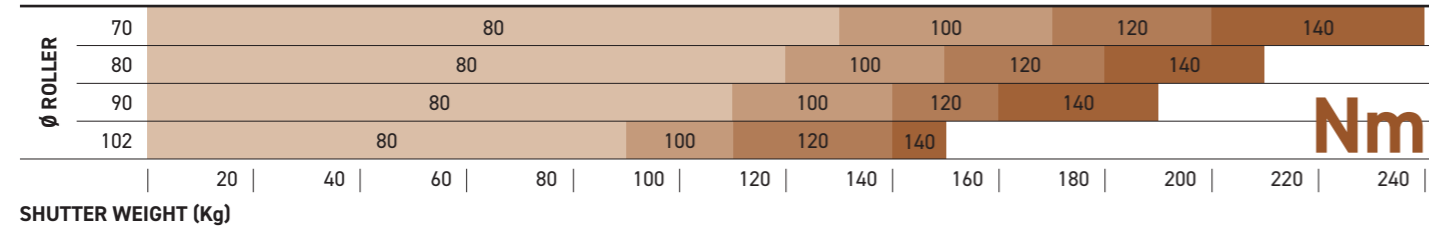
ACCESSORIES	DESCRIPTION	CODE
	Wall bracket	163509 Metal
	Support bracket with vertical adjustment	162733 Metal
	Wall bracket	163479 Metal
STAR HEAD COMPATIBLE ADAPTERS	DESCRIPTION	CODE
	Wall bracket	163474 Metal
	Support bracket with vertical adjustment	163473 Metal
	Alluminium star bracket - Max 50 Nm	163475 Metal

Selection guide

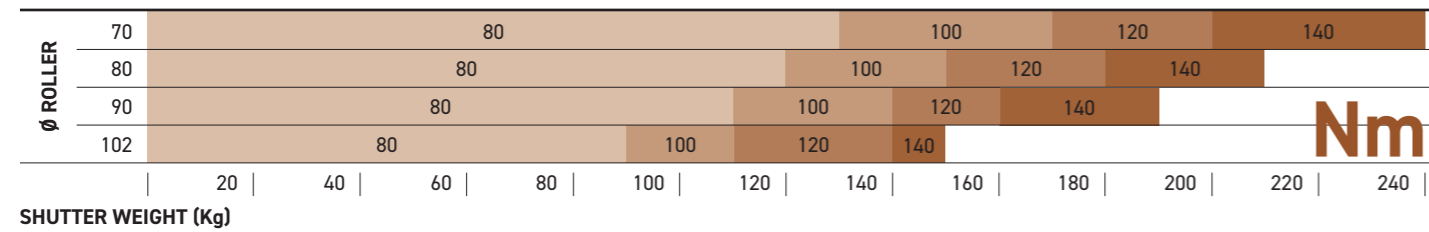
Ø 59 mm tubular motors for rolling shutters

Rolling shutter with louver-board max 55 mm high and 14 mm thick

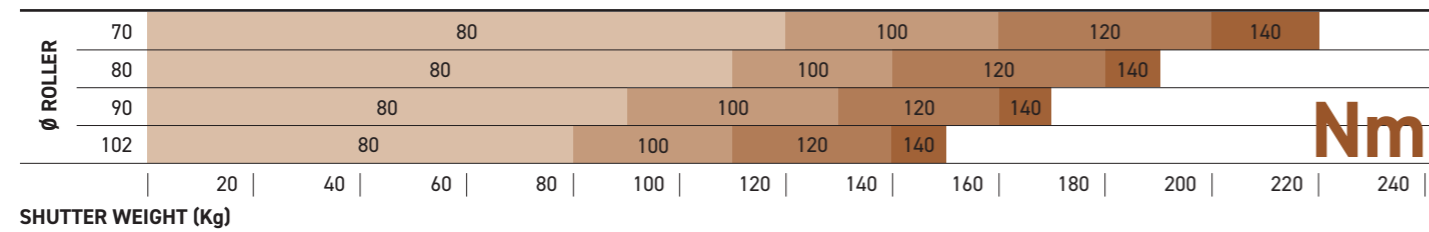
Height of the shutter up to 1,5 m



Height of the shutter from 1,5 to 2,5 m



Height of the shutter from 2,5 to 3,5 m



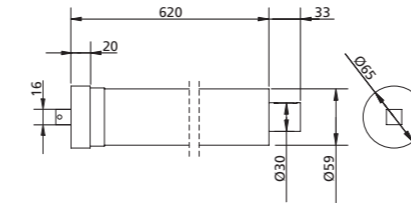
Ø 59 mm

		TM 59-80-15	TM 59-100-12	TM 59-120-9	TM 59-140-7
Mechanical limit switch	Basic model				
	Manual override	TM 59-80-15 H	TM 59-100-12 H	TM 59-120-9 H	TM 59-140-7 H
Electronic limit switch	Encoder and built-in radio receiver	TM 59-80-15 RFE	TM 59-100-12 RFE	-	TM 59-140-7 RFE
	Built-in radio receiver for adjustable slat rolling shutter	TM 59-80-15 RFO	-	-	-
	Built-in radio receiver	TM 59-80-15 RM	TM 59-100-12 RM	-	TM 59-140-7 RM

TM Ø59



Tubular motor Ø59 mm with mechanical limit switch.



Product data	230V	230V	230V	230V
Model	TM 59-80-15	TM 59-100-12	TM 59-120-9	TM 59-140-7
Code	27Y030	27Y031	27Y047	27Y034
Maximum load (kg) - Value calculated with roller Ø70 mm	125	165		230
Degree of protection (IP)	44	44	44	44

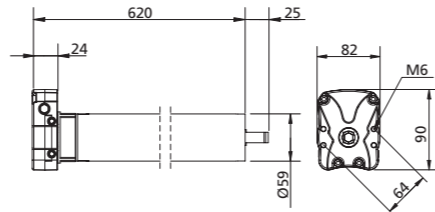
Electrical data	230-50	230-50	230-50	230-50
Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Maximum electric power (W)	330	345	350	385
Rated current (A)	1.43	1.54	1.56	1.54
Cable length - (m)	2.5	2.5	2.5	2.5
Consumption standby	<0.5	<0.5	<0.5	<0.5

Mechanical data	15	12	9	7
Speed (rpm)	15	12	9	7
Torque (Nm)	80	100	120	140

TM Ø59 H



Tubular motor Ø59 mm with mechanical limit switch and manual override



Product data	230V	230V	230V	230V
Model	TM 59-80-15 H	TM 59-100-12 H	TM 59-120-9 H	TM 59-140-7 H
Code	27Y032	27Y033	27Y048	27Y035
Maximum load (kg) - Value calculated with roller Ø70 mm	125	165		230
Degree of protection (IP)	44	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50	230-50
Maximum electric power (W)	330	345	350	385
Rated current (A)	1.43	1.54	1.56	1.54
Cable length - (m)	2.5	2.5	2.5	2.5
Consumption standby	<0.5	<0.5	<0.5	<0.5

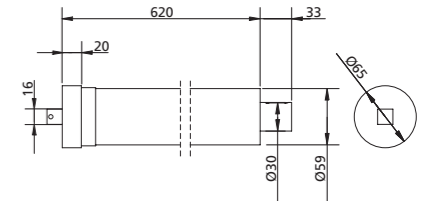
Mechanical data

Speed (rpm)	15	12	9	7
Torque (Nm)	80	100	120	140

TM Ø59 RM



Tubular motor Ø59 mm with mechanical limit switch and built-in radio receiver



Product data	230V	230V	230V
Model	TM 59-80-15 RM	TM 59-100-12 RM	TM 59-140-7 RM
Code	27Y036	27Y037	27Y038
Maximum load (kg) - Value calculated with roller Ø70 mm	125	165	230
Degree of protection (IP)	44	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50	230-50
Maximum electric power (W)	330	345	385
Rated current (A)	1.43	1.54	1.54
Cable length - (m)	2.5	2.5	2.5

Mechanical data

Speed (rpm)	15	12	7
Torque (Nm)	80	100	140

Accessories



CX PRG2
Expansion board for 2 motors (single control)
Code 12Y708



CX-DEV-T1 434
434.15 MHz built-in transmitter module powered from the mains
Code 12Y701



TRANSMITTERS AND ACCESSORIES
The full range of accessories specific for tubular motors can be found at p. X

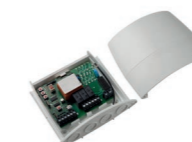
Control units to be used



CX CU1 434
External control unit for the automation of awnings or rolling shutters
Code 12Y703



CX CU3
External control unit for the automation of awnings or rolling shutters
Code 12Y704



CX CU4
External control unit for the automation of awnings or rolling shutters
Code 12Y705

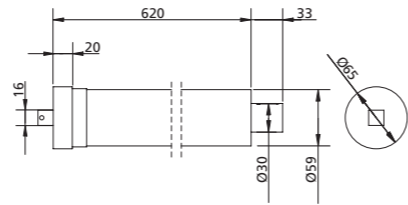


CX DEV-R1 434
Built-in miniature receiver for controlling a single phase asynchronous motor
Code 12Y706

TM Ø59 RFE



Tubular motor Ø59 mm with electronic limit switch, encoder and built-in radio receiver



Product data

Model	TM 59-80-15 RFE	TM 59-100-12 RFE	TM 59-140-7 RFE
Code	27Y061	27Y062	27Y063
Degree of protection (IP)	44	44	44

Electrical data

Maximum electric power (W)	330	345	350
Rated current (A)	1.43	1.54	1.56
Operating temperature (°C)	-10 ÷ +50	-10 ÷ +50	-10 ÷ +50

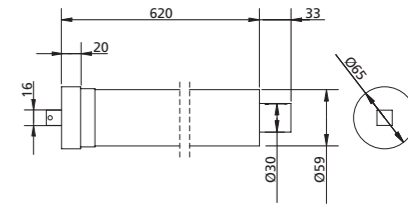
Mechanical data

Speed (rpm)	15	12	9
Torque (Nm)	80	100	120

TM Ø59 RFO



Tubular motor Ø59 mm with electronic limit switch and built-in radio receiver



Product data

Model	TM 59-80-15 RFO
Code	27Y064
Degree of protection (IP)	44

Electrical data

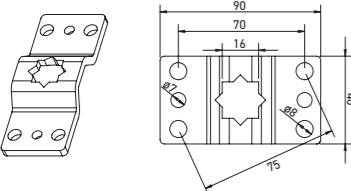
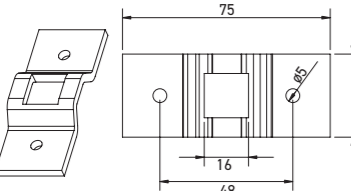
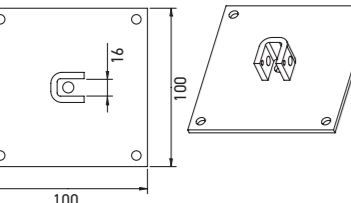
Maximum electric power (W)	330
Rated current (A)	1.43
Operating temperature (°C)	-10 ÷ +50

Mechanical data


Speed (rpm)	15
Torque (Nm)	80

TUBE	PULLEY	CROWN
Octagonal \varnothing 70 	COD. 162726 Metal 	COD. 162727 Plastic
Round \varnothing 70 	COD. 162864 Plastic 	COD. 162865 Plastic
Round \varnothing 80 	COD. 162746 Plastic 	COD. 162747 Plastic
Round \varnothing 100x3.5 	COD. 162859 Metal 	COD. 162858 Plastic
Round \varnothing 103 	COD. 162775 Metal 	COD. 162774 Plastic




TUBE	PULLEY	CROWN
Flat notch \varnothing 78 	COD. 162861 Metal (Metal) 	COD. 162860 Plastic
Notch \varnothing 78 bat 	COD. 162784 Metal 	COD. 162785 Plastic
Notch \varnothing 85 	COD. 162894 Metal 	COD. 162893 Plastic
Deprat \varnothing 89 	COD. 163407 Plastic 	COD. 163408 Plastic

ACCESSORIES	DESCRIPTION	CODE
	Wall bearing 16x16 mm	162731 Metal
	Wall bearing 16x16 mm	162819 Metal
	Square plate bearing 16x16 mm	162734 Metal










TEST CABLE FOR TUBULAR MOTORS

ACCESSORIES (Metal)	DESCRIPTION	CODE
	Test cable	163517 Metal

SAFETY DEVICES / PARACHUTES

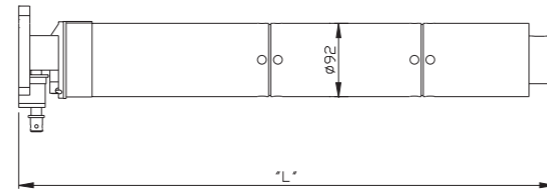
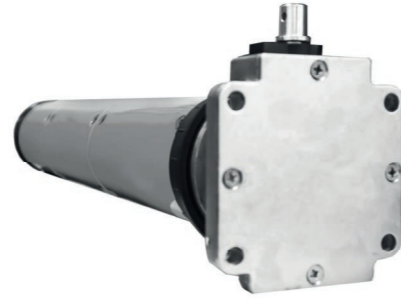
ACCESSORIES (Metal)	DESCRIPTION	CODE
	Parachute for tubular gearmotors Ø45	163485 Metal
	Parachute for tubular gearmotors Ø59	163486 Metal
	70mm octagonal parachute adapter	163487 Metal

ACCESSORIES FOR TUBULAR GEAR MOTORS WITH MANUAL OVERRIDE OPERATION

ACCESSORIES (Metal)	DESCRIPTION	CODE
	Jointed bar 1300 mm	163504 Metal
	Jointed bar 1800 mm	162736 Metal
	Fixed bar 1300 mm	163505 Metal
	Retractable bar 1500 mm	163506 Metal
	Eyelet 80 mm	162825 Metal
	Eyelet 170 mm	163507 Metal
	Joint 45° - 250 mm	162823 Metal
	Joint 90° - 400 mm	162824 Metal
	Joint 45° for retractable bar 163506	163508 Metal

TM Ø92 H

Tubular motor Ø59 mm with mechanical limit switch and manual override.



Product data

Model	TM 92-300-9 H	TM 92-550-6 H
Code	27Y039	27Y040
Maximum load (kg) - Value calculated with roller Ø100 mm	300	-
Maximum load (kg) - Value calculated with roller Ø133 mm	230	450
Degree of protection (IP)	44	44

Electrical data

Supply (Vac - Hz)	230-50	230-50
Maximum electric power (W)	940	1020
Rated current (A)	4.08	4.4
Cable length - (m)	2.5	2.5

Mechanical data

Speed (rpm)	9	6
Torque (Nm)	300	550

Accessories for TM 92-300-9 H

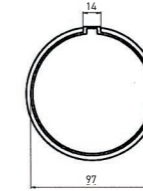
TUBE

Ø 101.6x2



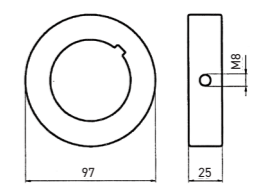
PULLEY

COD. 163462
Metal



CROWN

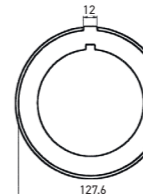
COD. 163463
Plastic



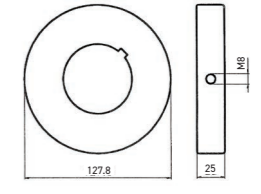
Ø 133x2.5



COD. 163464
Metal



COD. 163465
Plastic



Accessories for TM 92-550-6 H

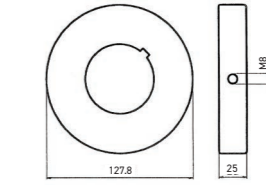
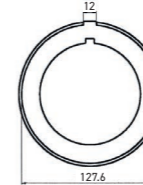
TUBE

Ø 133x2.5



PULLEY + CROWN

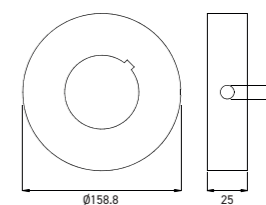
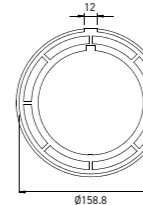
COD. 163513
Metal

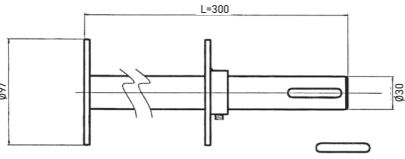
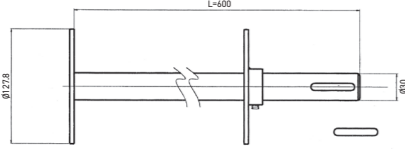





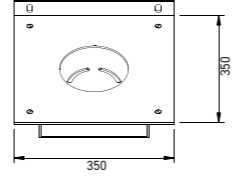
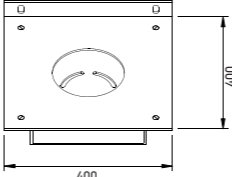
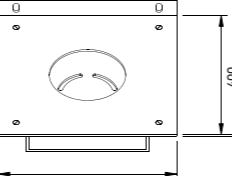
Ø 168x4.5



COD. 163518
Metal



ACCESSORIES	DESCRIPTION	CODE
	Flange shaft kit Ø30 L=300 Shaft with adjustable flanges for 101.6x2 pipe	163466 Metal
	Flange shaft kit Ø30 L=600 Shaft with adjustable flanges for 133.6x2.5 pipe	163467 Metal
	Safety gear for tubular gearmotors Ø92	163469 Metal
	Bearing	163468 Metal
	Eyelet	163451 Metal

ACCESSORIES	DESCRIPTION	CODE
	Plate with drawer	163514 Metal
	Plate with drawer Compatible with 163513	163519 Metal
	Parachute side plate Compatible with 163513	163520 Metal

VM Ø55



Tubular venetian motor Ø55 mm for aluminium venetian blinds with mechanical limit switch

Immagine in bassa risoluzione

Product data

Model	VM 55-2X3-26	VM 55-2X45-26
Code	27Y041	27Y042
Degree of protection (IP)	40	40

Electrical data

Maximum electric power (W)	131	152
Rated current (A)	0.58	0.67
Operating temperature (°C)	-10 ÷ +50	-10 ÷ +50

Mechanical data

Speed (rpm)	26	26
Torque (Nm)	2x3	2x4.5

VM Ø66



Tubular venetian motor Ø66 mm for motorized louver with linear limit switch

Immagine in bassa risoluzione



Product data

Model	VM 66-500-300
Code	27Y065
Degree of protection (IP)	55

Electrical data

Maximum electric power (W)	185
Rated current (A)	0.80
Operating temperature (°C)	-10 ÷ +50

Mechanical data

Force (N)	500
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Accessories



TX PROTE01 434

CODE 10Y704
TX-Line screen:
434mhz 1 channel
transmitter



TX PROTE04 434

CODE 10Y705
TX-Line screen:
434mhz 4 channels
transmitter



TX PROTE06 434

CODE 10Y706
TX-Line screen:
434mhz 6 channels
transmitter



TX PROTE12 434

CODE 10Y707
TX-Line screen:
434mhz 12 channels
transmitter



TX PROTE012-D 434

CODE 10Y708
TX-Line screen:
434mhz 12 channels
transmitter - with
display



TX ARTEMIS1 434

CODE 10Y701
TX-Line screen:
434mhz 1 channel
wall transmitter



TX ARTEMIS2 434

CODE 10Y702
TX-Line screen:
434mhz 2 channels
wall transmitter



TX ARTEMIS3 434

CODE 10Y703
TX-Line screen:
434mhz 6 channels
wall transmitter



CX DEV-T1 434

CODE 12Y701
TX-Line screen:
434mhz miniaturized
transmitter



CX DEV-R1 434

CODE 12Y706
CX-Line module screen:
434mhz miniaturized
control unit for motor



CX DEV-R2 434

CODE 12Y702
CX-Line module screen:
434mhz miniaturized
radio receiver



CX DEV-R1 WIFI

CODE 12Y709
CX-Line module screen:
Wi-Fi miniaturized
radio receiver



CX DEV-R2 WIFI

CODE 12Y710
CX-Line module screen:
Wi-Fi miniaturized
control unit for motor



CX CU1 434

CODE 12Y703
CX-Line cu screen:
230V CU1 control
unit for tubular motor
434mhz



CX CU3

CODE 12Y704
DR-Series accessory:
plastic adapter
101-90mm



CX CU4

CODE 12Y705
CX-Line cu screen:
230v cu3 control unit
for tubular motor



RX MT 434

CODE 11Y701
RX-Line screen:
434mhz plug-in radio
receiver modules



CX PRG2

CODE 12Y708
CX-Line module screen:
230v expansion board
for 2 tubular motor



CX PRG3

CODE 12Y707
CX-Line module screen:
230v expansion board
for 3 tubular motor



AX SYROCO-RS

CODE 18Y003
TM-Series accessory:
434mhz syroco-rs
anemometer with
vibration sensor



AX MISTRAL

CODE 18Y001
TM-Series accessory:
mistral anemometer



AX HURRICANE-RS





CODE 18Y002
TM-Series accessory:
230v hurricane-rs
anemometer with
sun and temperature
sensor - wireless signal
434mhz

Control units







Choice guide

Control units for swing and sliding gates

230V digital	equipped with 2 x 24V motors		CX EVO1	p. X
			CX EVO2	p. X
			CX EVO4	p. X
			CX FLEXY 433	p. X
	230V analogue with built-in receiver (433.92 MHz)			

Control units for rolling shutters

230V digital			CX TOP	p. X
230V analogue	with built-in receiver (433.92 MHz)		CX BASIC 433	p. X
	with built-in receiver (433.92 MHz)		CX EASY1 433	p. X
	with courtesy light and automatic closure		CX EASY2	p. X

Control units for industrial doors

230V digital	with inverter		CX HEAVY1	p. X
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EVO 1

Control unit for swing and sliding gates - 230V digital



- Programming with three buttons and a display
- Power supply for 2 single-phase 230V motors
- Enables precise control of motors with an encoder
- USB port for PC connection to manage programming, updates, and diagnostics
- Programming, firmware updates and diagnostics via software
- Connector for low-energy module, enabling significant savings (<0.5 W)
- Plug-in adapter for MR2 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 EVO1
Code	12Y001
Weight (kg)	16
Dimensions (mm)	312 x 210 x 100
Supply (Vac - Hz)	230-50
Max motors load	2 x 700
Operating temperature (°C)	-20 ÷ +60
Protection fuse (A)	5
Consumption standby (W) (with low energy module installed)	0,45
Duty cycle (%)	40
Maximum 24V accessories load (W)	10
Degree of protection (IP)	55

Kit model

					
	CX EVO1 Control unit for swing and sliding gates - 230V digital	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz	RX MR 433 433.92 MHz plug-in receiver. Also available in 868.30 MHz version	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	FX FLASH 230 / FX FLASH 24 LED flashing light
KIT CODE	12Y001	10Y001	11Y001	13Y002	14Y001 / 14Y002
KF CX EVO1	28Y005	•	••	•	•

Accessories

			
RX MR 433 433.92 MHz plug-in receiver, also available in 868.30 MHz Code 11Y001 p. X	AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011 p. X	AX LUX ADI module for the management of lights, traffic light or electro-brake Code 16Y007 p. X	LOW ENERGY Module for saving electricity Code ???? p. X

EVO 2

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



- Easy programming and continuous input status monitoring via display
- Intuitive menu for easy programming
- Fully insulated low voltage circuit compliant with European safety and EMC standards (EN 60335-1, EN 50081-1, EN 50082-1)
- Plug-in adapter for RX MR 433 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 controller, motors, and accessories
- Current modulation for power regulation
- Automatic learning of operation time
- Safety device tests before each opening
- Deactivation of safety inputs via configuration menu
- Automatic peripheral shutdown when idle, keeping standby power under 500 mW



Technical features

	2 x 24V	2 x 24V
Model	CX EVO2	CX EVO2 SP
Code	12Y002	12Y013
Weight (kg)	30	10
Dimensions (mm)	312 x 210 x 100	312 x 210 x 100
Supply (Vac - Hz)	230 - 50	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
Protection fuse (A)	2,5	-
Work cycle (%)	80	80
Maximum 24V accessories load (W)	7	7
Degree of protection (IP)	55	55

Kit model

	CX EVO2 Digital control unit for swing and sliding gates equipped with 2 x 24V motors	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz	RX MR 433 433.92 MHz plug-in receiver. Also available in 868.30 MHz version	PX XS 24 Miniaturized wall-mounted photocells, synchronised and self-aligning	FX FLASH 230 / FX FLASH 24 LED flashing light
KIT CODE	12Y002	10Y001	11Y001	13Y002	14Y001/ 14Y002
KF CX EVO2	28Y006	•	•	•	•

Accessories

RX MR 433 433.92 MHz plug-in receiver, also available in 868.30 MHz Code 11Y001 p. X	AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011 p. X	AX LUX ADI module for the management of lights, traffic light or electro-brake Code 16Y007 p. X	LOW ENERGY Module for saving electricity Code ??? p. X

EVO 4

Control unit for swing and sliding gates - 230V digital



- Programming with three buttons and a display
- 230V power supply for 1 single-phase motor
- Enables precise control of motors with an encoder
- USB port for PC connection to manage programming, updates, and diagnostics
- programming, firmware updates and diagnostics via software
- Connector for low-energy module, enabling significant savings (<0.5 W)
- Plug-in adapter for MR2 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
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Slow start function during opening (programmable time)
- Input status displayed



Technical features

	230V
Model	CX EV04
Code	12Y017
Weight (kg)	16
Dimensions (mm)	295 x 230 x 100
Supply (Vac - Hz)	230-50
Max motors load	700
Operating temperature (°C)	-20 ÷ +60
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 p. X	AX WIFI01 Wi-Fi module for managing via app Able to Use Code 16Y011 p. X	AX LUX ADI module for the management of lights, traffic light or electro-brake Code 16Y007 p. X	LOW ENERGY Module for saving electricity Code ??? p. X

FLEXY 433



Digital control unit for swing and sliding gates

- 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
- 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)



Technical features

Technical features	230V
Model	CX FLEXY 433
Code	12Y003
Weight (kg)	8
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	85 ÷ 260 - 50/60
Max motors load	700
Operating temperature (°C)	-20 ÷ +60
Protection fuse (A)	F1 = 8A fast
Maximum 24V accessories load (W)	3
Degree of protection (IP)	55

Kit model



CX EV02
Digital control unit for swing and sliding gates equipped with 2 x 24V motors



TX TOH2 433C
433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz



PX XS 24
Miniaturized wall-mounted photocells, synchronised and self-aligning



FX FLASH 230 / FX FLASH 24
LED flashing light

KIT CODE	12Y003	10Y001	13Y002	14Y001/ 14Y002
KF CX FLEXY	28Y004	• •	•	•

TOP



Control unit for rolling shutters - 230V digital

- Programming with buttons and a display
- Power supply for 2 single-phase 230V motors
- Plug-in adapter for MR2 modular radio receiver
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm/alarm) input
- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Input status displayed
- Option to install the cover with keypad (code 171224), making it possible to control the control unit directly, when used in combination with module 171226



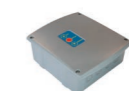
Technical features

Technical features	230V
Model	CX TOP
Code	12Y008
Weight (kg)	8
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	230-50
Max motors load	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 p. X



AX BOX-001
3 push-button casing
Code 171224 p. X



AX PCB-001
Push-button adapter
Code 171226 p. X

BASIC 433

Control unit for rolling shutters - 230V analogue with built-in receiver (433.92 MHz)

- 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 or Royal 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

Technical features	230V
Model	CX BASIC 433
Code	12Y007
Weight (kg)	8
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	250 - 30
Max motors load	1100
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	3
Degree of protection (IP)	55

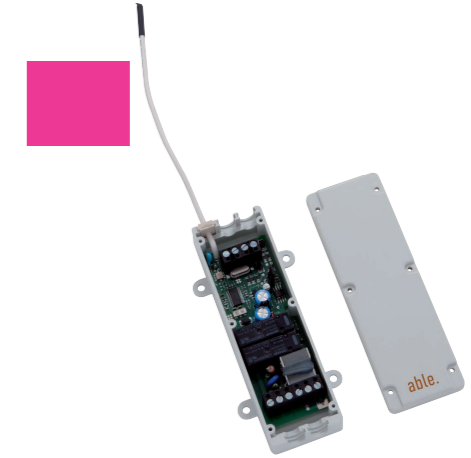
Kit model

Kit model	CX BASIC 433 Control unit for rolling shutters - 230V analogue with built-in receiver (433.92 MHz)	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz
KIT CODE	12Y007	10Y001
KL CX BASIC	28Y008	• •

EASY1 433

Control unit for rolling shutters and screens - 230V analogue with built-in receiver (433.92 MHz)

- 230V power supply for 1 single-phase motor
- Maximum available power for 1 motor: 700W
- Built-in radio receiver capable of memorising 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

Technical features	230V
Model	CX EASY1 433
Code	12Y006
Weight (kg)	1
Dimensions (mm)	41 x 127 x 24
Supply (Vac - Hz)	250 - 30
Max motors load	700
Operating temperature (°C)	-20 ÷ +60
Maximum 24V accessories load (W)	-
Degree of protection (IP)	55

EASY2

Control unit for rolling shutters - 230V analogue with built-in receiver (433.92 MHz)

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adapter for MR2 modular radio receiver
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- One photocell input with self-test function
- One mechanical, resistive or optical-type safety edge input with self-test function
- 230V output for intermittent flashing lights
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Monitoring of input status shown by LEDs



Technical features

Technical features	230V
Model	CX EASY2
Code	12Y014
Weight (kg)	8
Dimensions (mm)	170 x 185 x 70
Supply (Vac - Hz)	250 - 30
Max motors load	700
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
p. X

HEAVY1

Control unit for 230V three-phase motors - 230V digital 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 MR2 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, electrobrake 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 or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons



HEAVY1-PB

Technical features

Technical features	230V electronic board only	230V plastic box
Model	CX HEAVY1	CX HEAVY1 PB
Code	12B052	12B055
Weight (kg)	18	45
Dimensions (mm)	200 x 172 x 80	400 x 300 x 165
Supply (Vac - Hz)	230 - 50	230 - 50
Max motors load	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
p. X



AX WIFI01
Wi-Fi module for managing via app Able to Use
Code 16Y011
p. X



AX LUX
ADI module for the management of lights, traffic light or electrobrake
Code 16Y007
p. X



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

Accessories

Transmitters and receivers

Transmitters

TOH p. X

Receivers

RX WAL p. X

RX MR p. X

Pillars

TOWER p. X

Miniaturized control modules

CX DEV p. X

AX WIFI01 p. X

Programming devices and software

AX Prog2 p. X

AX F-Prog p. X

WinPPCL p. X

TX TOH

Personal Pass transmitter 433.92 - 868.30 MHz rolling code

- 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 Flash-prog and WINPPCL without having to remove the transmitter from the single box



Technical features

Model	TX TOH2 433C	TX TOH2 433P	TX TOH2 868C	TX TOH2 868P	TX TOH4 433C	TX TOH4 433P	TX TOH4 868C	TX TOH4 868P
Code	10Y001	10Y002	10Y003	10Y004	10Y005	10Y006	10Y007	10Y008
Frequency (MHz)	433.92	433.92	433.92	433.92	868.30	868.30	868.30	868.30
Buttons	2	2	4	4	2	2	4	4
Factory set	•		•		•		•	
To serialize		•		•		•		•
Range in open field (m)	350			250				
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)							

RX WAL

12/24V outdoor receiver 433.92 - 868.30 MHz.
Personal Pass / Royal

- Operates with Royal or 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 PROG2 programming device and WINPPCLNET software
- Plug-in terminal board



Technical features

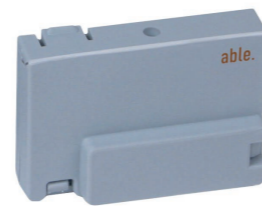
Model	RX WAL1 433	RX WAL2 433	RX WAL4 433	RX WAL2 868
Code	11Y101	11Y102	11Y103	11Y104
Frequency (MHz)	433.92	433.92	433.92	433.92
Channels	1	2	4	2
Supply	12 - 24 Vac / 12 - 36 Vdc			
Absorption in stand-by (mA)	16 @ 24 Vdc			
Relay contacts (A)	1 @ 30 Vdc			
Sensibility	> -103 dBm			
S/N	> 17dB @ 100dBm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

MR2

Plug-in receiver module for Able control units
433.92 - 868.30 MHz. Personal Pass / Royal

- Operates with Royal or 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 PROG2 programming device and WINPPCLNET software



Technical features

Model	RX MR 433	RX MR 868
Code	11Y001	11Y002
Frequency (MHz)	433.2	868.3
Sensibility	> -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.
Personal Pass / Royal

- Operates with Royal or 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 PROG2 programming device and WINPPCLNET software



Technical features

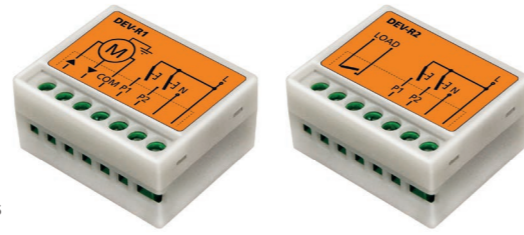
Model	RX WAL2-230 433
Code	11Y105
Frequency (MHz)	433.92
Supply (Vac - Hz)	230 - 50
Absorption in stand-by (mA)	20
Relay contacts (A)	10 (@ 250Vac)
Sensibility	> -103 dBm
S/N	> 17dB @ 100dBm m=100%
Operating temperature (°C)	-20 ÷ +60
Protection degree (IP)	55
Dimensions (mm)	113 x 113 x 57

Kit model

Kit model	KIT CODE	RX WAL2-230 433 C230V outdoor receiver 433.92 MHz. Personal Pass / Royal	TX TOH2 433C 433.92 MHz rolling code transmitter with 2 push buttons. Also available in 868.30 MHz
KL GLUX 433	28Y011	11Y105	10Y001

CX DEV

Miniaturized receiver 433.92 - 868.30 MHz.
Personal Pass



- 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 version
- 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 (mA)	0.25	0.25	0.25	0.25
Operating temperature (°C)	-20 ÷ +60°C	-20 ÷ +60°C	-20 ÷ +60°C	-20 ÷ +60°C
Channels	1	2	4	2
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

AX WIFI 01

WiFi module for control panel management via app

The WF01 accessory is a device that, through WiFi communication, allows the movement and status of Able automations equipped with ADI connector and compatible with the operation of this product to be controlled.



Product data

Model	AX WIFI01
Code	16Y011

AX PROG2

Portable programming device

- Programming with random codes of blank transmitters
- Connector for memory modules and receivers of the series WALLY/MR2 to view, change, delete (partially or fully) the stored codes
- USB connector for PC connection and installation data management by means of the WINPPCLNET software



Product data

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

AX F-PROG

Quick programmer for PHOX transmitters

- Programming via radio of PHOX 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 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 Data Base.

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



Security devices and accessories

Solar energy systems

K ECO-24 p. X

Photocells

PX XS 24 p. X

PX S 24 p. X

PX M 24 p. X

PX L 180-24 p. X

PX L 180-24 PL p. X

PX L 180-24 WL p. X

PX L 180-24 BL p. X

Pillars

TOWER p. X

Flashing lights

FX FLASH p. X

BLINKO p. X

FX BLINKO p. X

FX ML6 p. X

Antenna

AX ANS-001 p. X

Radio control system for safety edges

AX WES p. X

Inductive loop detectors

AX LOOP p. X

Safety edges

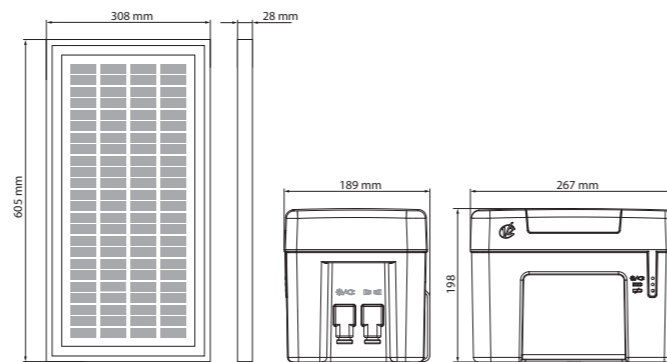
AX M-SAFEDGE p. X

AX TOUCH p. X

K ECO-24

Solar energy kit

- ECO-LOGIC is the new Able 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



Technical features

Model	K ECO-24	
Code	28Y007	
	accumulator unit	solar panel
Voltage output towards the control unit (Vdc)	24 - 28	-
Maximum voltage without load (Vdc)	-	42
Voltage at maximum power point (Vdc)	-	36.6
Maximum current (A)	16	-
Peak nominal power (W)	-	20
Battery capacity (Ah)	18	-
Mains recharge time (h)	~15	-
Protection degree (IP)	44	-
Operating temperature (°C)	0 ÷ +40 (charging) -20 ÷ +50 (in use)	-20 ÷ +80
Weight (Kg)	12	2.2

Accessories



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



AX ECO-24 SP
Additional solar panel
Code 172808

PX XS 24

Miniaturized wall-mounted photocells, synchronised and self-aligning

- Very small size
- 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

Synchronised, adjustable wall and pillar mounted photocells

- 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



Product data

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 43 x 36

PX M 24

Large surface, adjustable wall and pillar mounted photocells

- Ultra thin, die-cast aluminium case
- Adjustable by 30°
- Large surface
- Secure: immune to interference from sunlight



Technical features

Model	PX M 24
Code	13Y008
Optical range (m)	15
Degree of protection (IP)	44
Operating temperature (C°)	-20 ÷ +50
Supply (Vac - dc)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	
Dimensions (mm)	70 x 70 x 30

PX L 180-24

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

- 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
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 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
- 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



Technical features

Model	PX L 180-24 PL
Code	13Y004
Optical range (m)	20
Degree of protection (IP)	55
Operating temperature (C°)	-20 ÷ +50
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 photocells, synchronized, adjustable (180°) with battery powered transmitter

- 2 batteries included with the device
- 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)	115 x 41 x 38

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 - Hz)	12÷24 Vac / 12 ÷ 36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Dimensions (mm)	74 x 141 x 55

AX PIL100

Aluminium pillars for photocells

- Photocells SENSIVA (cod. 13C001) can be easily mounted at the desired height, granting them total protection
- Aluminium frame
- Polycarbonate front cover
- 3 point ground anchoring



Technical features

Model	AX PIL50	AX PIL100
Code	16Y012	16Y013
Height (cm)	50	100

AX WSIGN

Warning sign

Technical features

Model	AX WSIGN
Code	16Y001



FX FLASH

Led flashing light

- Led device that does not need any maintenance
- Available in two versions, 24V and 230V
- 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	IP44	IP44
Operating temperature (C°)	-20 ÷ +50	-20 ÷ +50
Supply (W)	90 - 240	12 - 36
Power (W)	4	4
Bulb	White led	White led
Internal flashing light	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 FLASH 230
Code	14Y003
Supply (Vac - dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Degree of protection (IP)	54
Operating temperature (°C)	-20 ÷ +60
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

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	AX T-LIGHT
Code	161220
Supply (Vac - dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
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	19Y001
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 35B039)



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)	180 x 65 x 40	160 x 50 x 25

Accessories



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

AX M-SAFEDGE

Mechanical safety edges

- They use a rigid metal wire as the sensitive element inside a rubber body
- The device is activated by exerting pressure on the edge
- The signal, once detected and intercepted by the control unit, is transduced into the motion block
- The mechanical safety edges are pre-assembled on aluminium strips and are available in various 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

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
Strip material	aluminium	aluminium	rubber	-	-
Type of end plug	-	-	-	resistance	resistance
Length (m)	2	3	25	-	-
Height (mm)	120		30	-	-
Width (mm)	-	-	25	-	-

AX TOUCH

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-06	AX TOUCH-07	AX TOUCH-08	AX TOUCH-09	AX TOUCH-10
Code	35Y006	35Y007	35Y008	35Y009	35Y010
Strip material	aluminium	aluminium	rubber	-	-
Type of end plug	-	-	-	resistance	resistance
Length (m)	2	3	30	-	-
Height (mm)	120		55	-	-
Width (mm)	-	-	35	-	-

AX FORCETEST



Access devices

Access devices

AX KEY-S	p. X
AX KEY-B	p. X
AC READER	p. X

Decoder

AC DEC4	p. X
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AX KEY S

Key switch with standard cylinder for surface mounting

- Die-cast aluminium frame
- Burglar-proof
- Ultra-thin
- Electrical contacts and levers protected by a plastic casing
- Ten different Era surface mounted key switches available to manage installations physically close to each other in total safety and keep track of them for future replacement: 20Y002-20Y010



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: the combination is a number from 1 to 9 digits, this allows you to generate 999,999,999 possible combinations
- Versatile: 9 different transmission channels to control one or more automations for outdoor awnings, 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



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)	54	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)	-	< 1	< 1
Range in open field	45 (24 Vac)	0,001 ÷ 15mA	0,001 ÷ 15mA
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 or passes 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 or a card near the AC READER to execute the command set in the decoder
- Proximity keys and passes can be factory serialised or programmed by the installer
- The keys and proximity cards 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



Product data

Model	AC READER
Code	15Y001
Frequency (MHz)	???
Degree of protection (IP)	54
Operating temperature (C°)	-20 ÷ +55
Supply (Vac - Hz)	???
Max absorption (mA)	???
Dimensions (mm)	70 x 70 x 26

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

