



DOOR AND GATE OPERATORS

THE CATALOGUE

2021



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TAU AUTOMATION SOLUTIONS FOR 40 YEARS

1981

The first steps

Bruno Danieli founds **Triveneta Automazioni**, a company that distributes accessories for fences and a manufacturer of automations for doors and gates. Right from the start, the company shows an interest in technologies for the automation of doors. In the small garage used as a private laboratory, Mr. Danieli starts the first production of gearmotors for sliding and swing gates.

1993

A new name, new horizons

The company opens up to the **international market**, starting to export its products abroad. The renewed corporate structure also poses new communication needs: **Triveneta Automazioni** changes its name to **TAU**, launching an expansion policy that today allows the brand to export to over 90 countries around the world.

1990

Ideas and innovations

The company launches **BATT2**, its first automation for sliding gates with the innovative use of a direct current brushed motor, thus highlighting a pioneering nature: **Triveneta Automazioni** was in fact the first to realize gate automations with low voltage electric motors.

2007

A new home

It is necessary to build a new plant, more suitable in terms of space and technology to the corporate structure reached by TAU: the production department is transferred to the **new factory** in Montecchio Precalcino. The commercial and administrative offices remain in Sandrigo.

1981 - 2021



"I dream of automating anything that can be opened and closed by hand"

Leandro



40 YEARS OF PASSION AND INNOVATIONS: TAU FROM 1981 TO DATE



Sandrigo headquarters - 1990



1981 - 2021

For 40 years we have been building our history and our identity. Bruno Danieli's project saw the light of day in a garage, with few resources and many insights. TAU's is a story of persistence, instinct and passion which, step by step, invention after invention, has allowed us to grow in a linear and constant way.

2010 was the year of the handover: sons Loris, Ilaria and Mirco took over the management of the company, taking the place of Bruno, who passed away in 2017. Today, as in 1981, however, the stamp of its founder deeply marks the company philosophy, inspired by a bold spirit and devoted to constant experimentation.



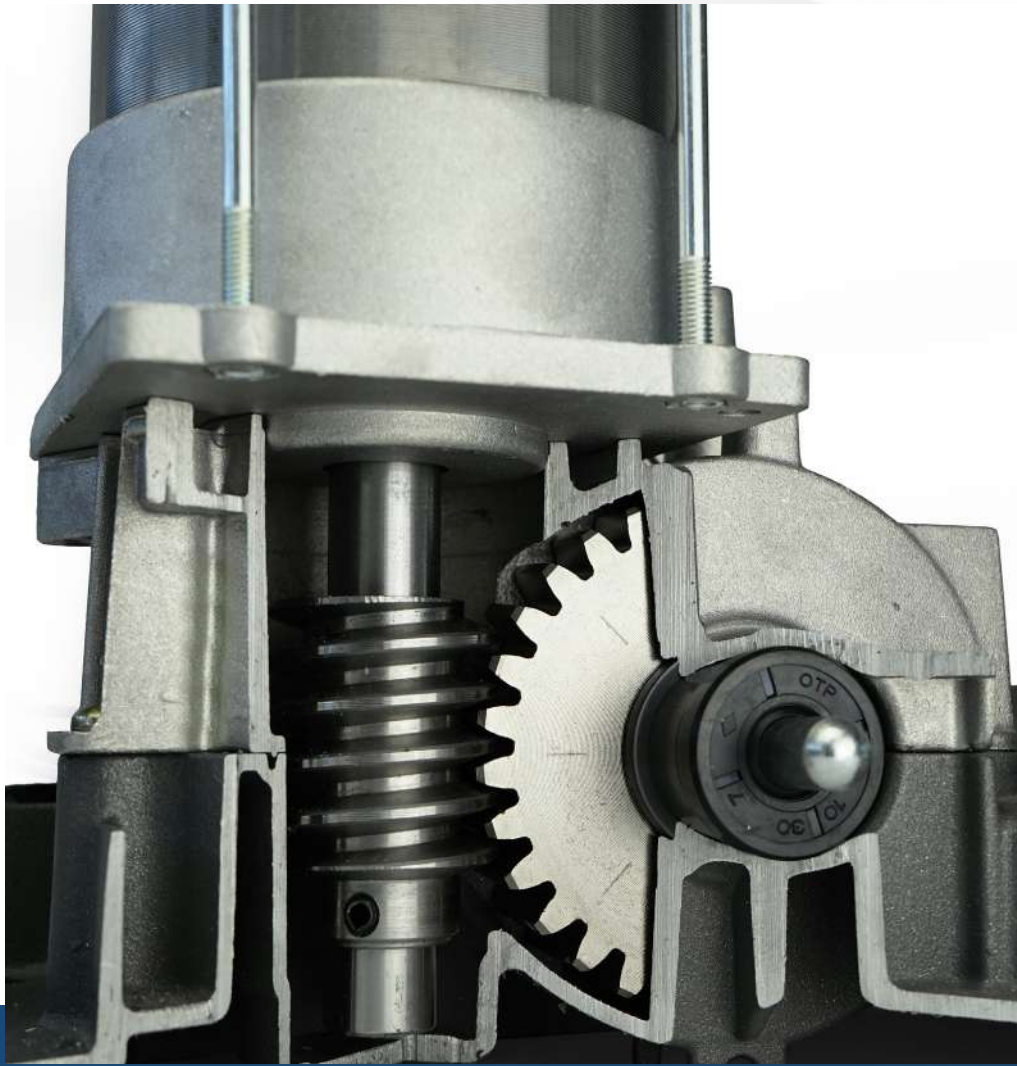
Montecchio P. production site - 2007



Sandrigo headquarters - 2010

Today we can count on a production plant of 4500 m2 and on very modern headquarters inaugurated in 2010, but nevertheless we are spokespersons for those values of authenticity and craftsmanship that motivated Bruno Danieli from the beginning and which are still an integral part of our vision today.

The first forty years of the company tell a story that runs along two parallel tracks: on the one hand, the central role of the family; on the other, the taste for innovation and design. Technology, experimentation, research and development are the means through which TAU has been able to give continuity to a project that has radically transformed, supporting and often anticipating the new needs of a constantly evolving market. The most stimulating challenge we have faced, however, remains the one undertaken with ourselves: not to compromise on the identity values that Bruno has indelibly stamped in the corporate DNA: a challenge that TAU aims to continue to win even in the years to come.



ITALIAN QUALITY

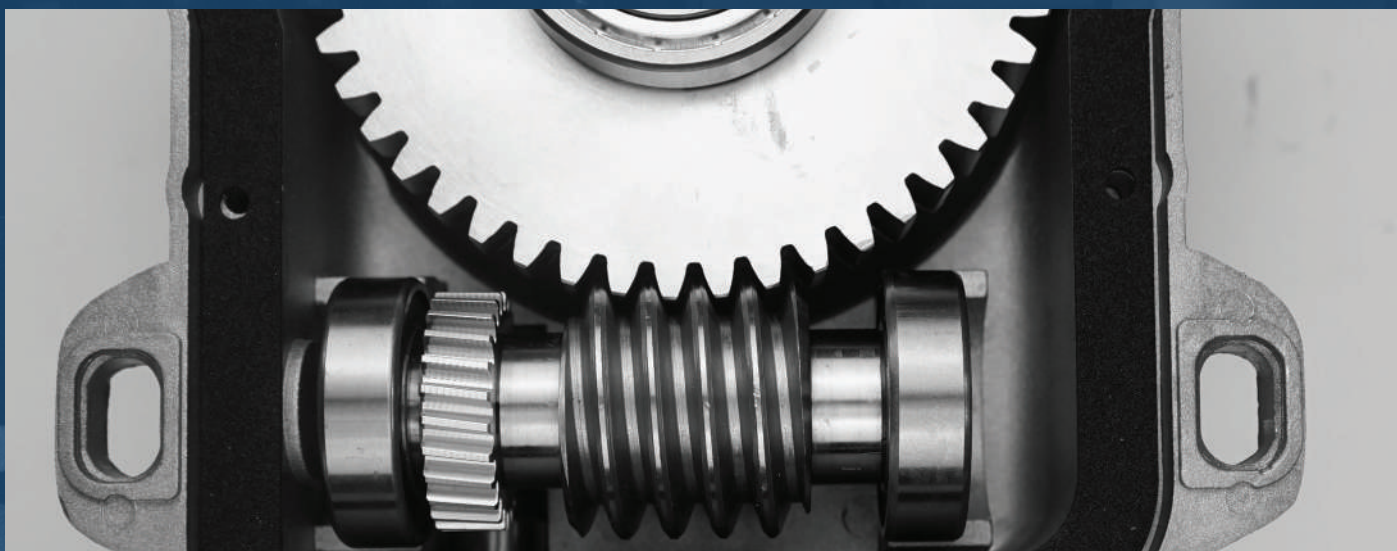
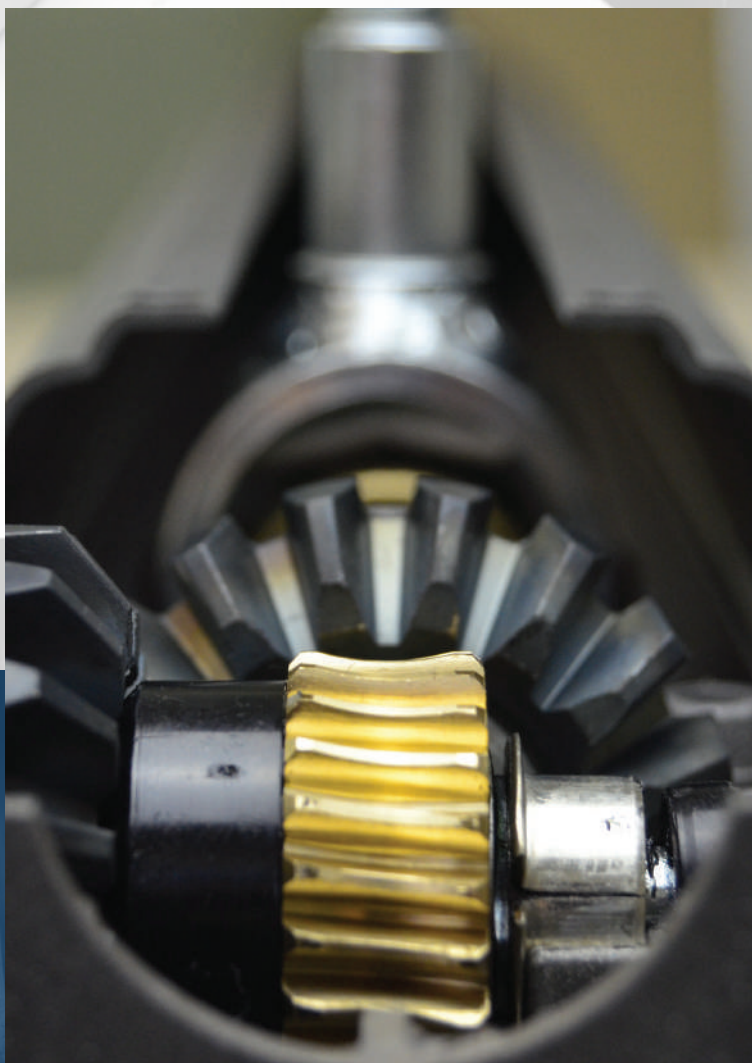
SOLUTIONS TO IMPROVE YOUR EVERYDAY LIFE.
FOR 40 YEARS, WE HAVE BEEN BRINGING TOGETHER
TECHNOLOGY AND DESIGN



Our automation solutions are the result of constant research that goes in the direction of excellence, from all points of view and in full compliance with the Made in Italy style.

The selection of raw materials takes place according to a strict protocol aimed at guaranteeing top-level standards.

Each phase of the production process is based on advanced mechanical tools and methods, in compliance with a philosophy that has always tended towards constant improvement. The result is the harmonious merging of quality, efficiency and design.



TCODE

The new digital keyboard that lights the way home



At the end of the day, there is nothing better than going home and enjoying its comfort. In the evening, however, entering the code to open the automatic gate in the dark can be a nuisance and a waste of time: flashlight, smartphone light, memory attempts...



Find out on page 249 all available versions

From today no more! TCODE, the new TAU digital keyboard for automations, is the ideal solution: even more functional thanks to the large, well-spaced backlit keys for simple night viewing. Just one click and the button backlight is immediately active. Maximum practicality and trendy design.



Numbers visible even at night, easily clickable with low margin of error.



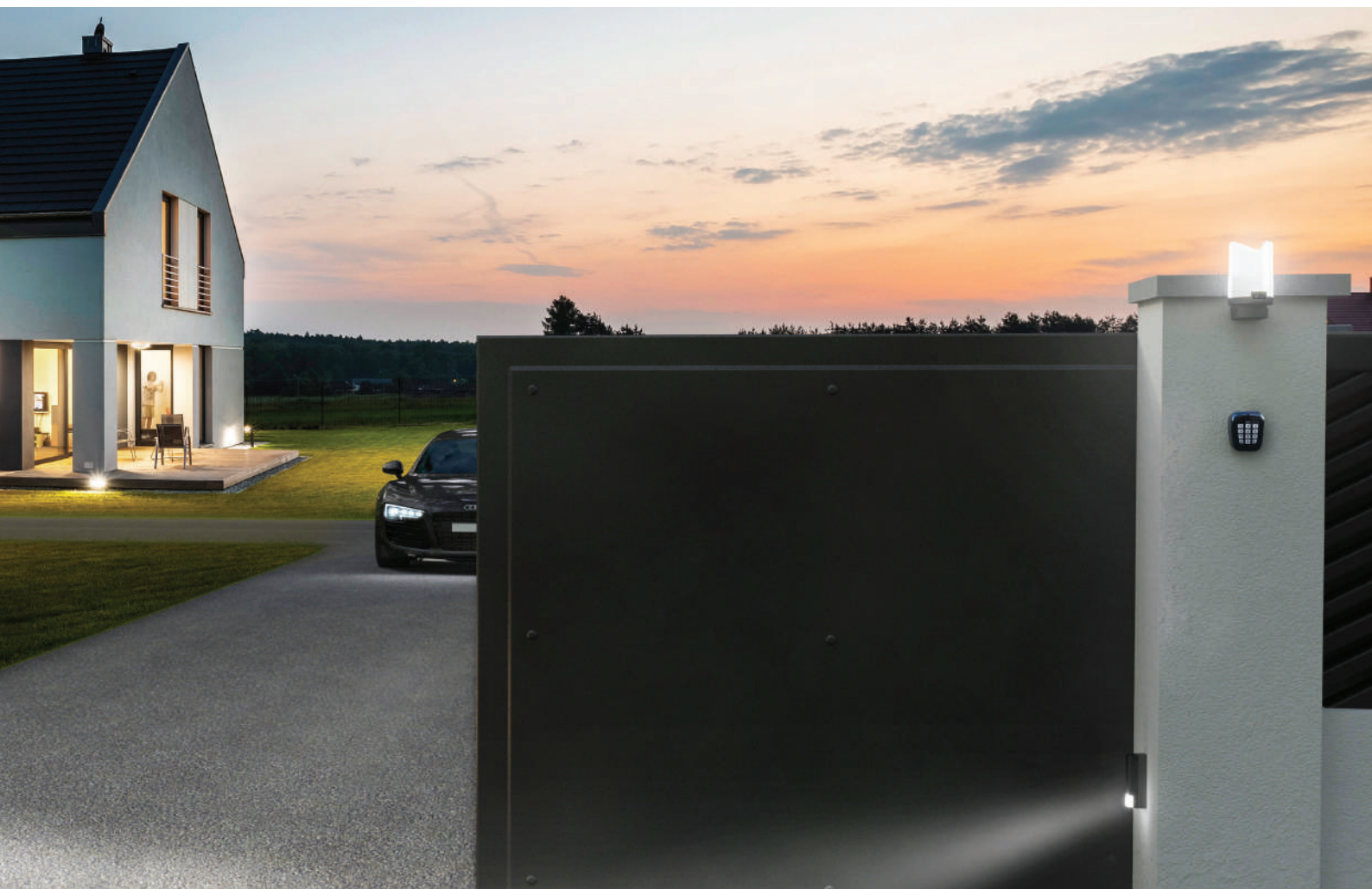
Two-channel technology to combine the possibility of opening and closing two automations with the same code.



Case in strong painted aluminium alloy, resistant to burglary attempts and vandalism.



Ability to manage up to a maximum of **4 codes (2 to 8 digits)**, then **8 automations**.



A refined minimalist style

cube.

Cube, the minimal wall flashing light that adapts to even the most demanding architectural context.

Find out on page 243 all available versions



In addition to other spotlights, gives a classy touch to suggestive environments. Its accurate light gently enriches spaces and environments thanks to its essential elegance. An extremely "brilliant" product right from its elegant shape, that can perfectly fit into any surface. Its minimalist design is conceived to have the less visual impact on outdoor environments.



SLIDING GATES



Gate operator T-ONE

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Gate operator MASTER

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Gate operator BIG

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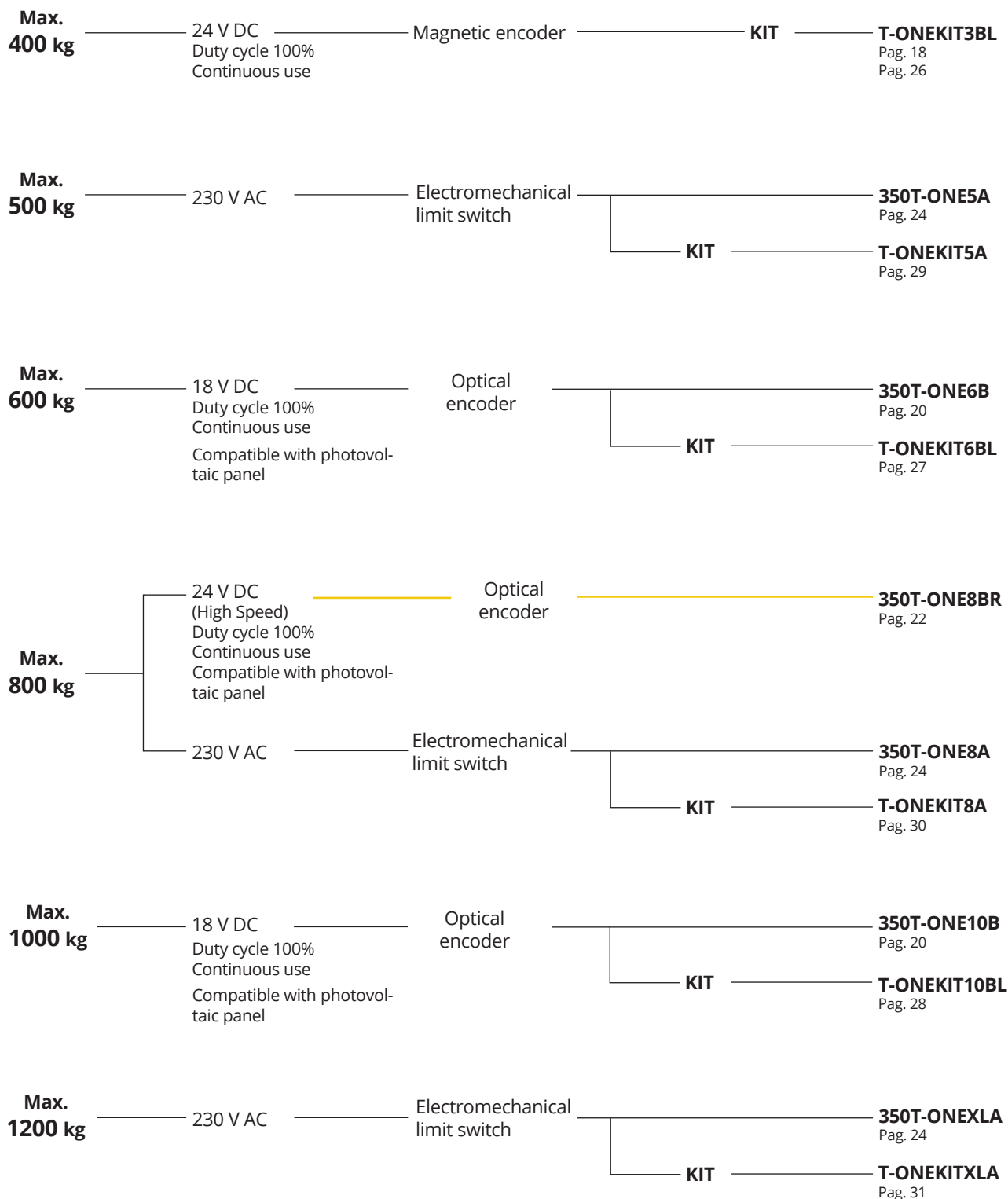


SELECTION GUIDE




Residential / apartment building use

► All gearmotors are complete with control panel and rolling code two-channel radio receiver 433.95 MHz.



Apartment building / commercial use



Max. 1200 kg	24 V DC (High Speed) Complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver Duty cycle 100%. Continuous use Compatible with photovoltaic panel	Optical encoder	500MASTER-R Pag. 36	
Max. 1800 kg	18 V DC Complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver Duty cycle 100%. Continuous use Compatible with photovoltaic panel	Optical encoder	500MASTER18QR Pag. 34	
Max. 2000 kg	230 V AC Complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver	Encoder and limit switch	500MASTER20QRA Pag. 38	
	230 V AC Complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver	Encoder and magnetic limit switches	500MASTER20QMA Pag. 38	
	400 V AC Three-phase Without electronic control unit. Duty cycle 100% . Continuous use	Encoder	500MASTER20T Pag. 38	

Commercial use

➤ All gearmotors are complete with control panel with inverter.



Max. 2500 kg	230 V AC Three-phase Duty cycle 100% Continuous use	Electromechanical limit switch	500BIG25QI Pag. 42
Max. 4000 kg	230 V AC Three-phase Duty cycle 100% Continuous use	Electromechanical limit switch	500BIG40QI Pag. 44

GATE OPERATOR

T-ONE

3B

DC
MOTOR

Up to
400 kg

Speed
14 m/min



350T-ONE3B

DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 400 kg.



**Accessories for
T-ONE series**
Page 32



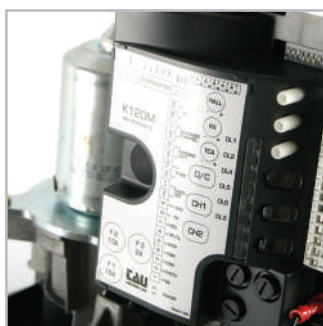
Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- residential use
- for gates up to 400 kg
- low voltage DC gate operator
- encoder technology (no limit switches required)
- electronic control unit with built-in receiver
- only available in the kit version

PROS:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- external emergency release available (optional, P/N 650ESE03)
- soft start and soft stop
- self-adjusting gate stroke through magnetic encoder



PROTECTION

The control panel is protected by a cover complete with buttons for programming and stroke adjustments without the use of tools. The diagnostic leds are easily visible and the protection fuses are easy to remove.



INSTALLATION

Safer installation thanks to the 4 fixing points and to the practical height adjustment. The cover is made of non-scratch UVA-resistant engineering plastics.



PRACTICAL

The manual release is easy, intuitive and protected by a personal key. External emergency release available.



SAFETY

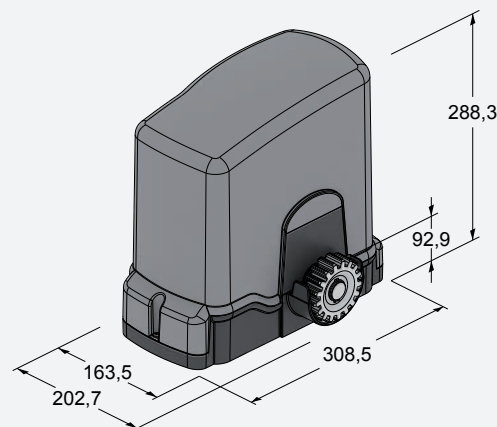
Obstacle detection and anti-crushing safety ensured by the magnetic encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.

TECHNICAL DRAWINGS

Technical features

T-ONE3B

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,3 A
Power rating	200 W
Max. operating speed	14 m/min
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54
Max. gate leaf weight	400 kg
Pinion module	4
Electronic control unit	K120M



GATE OPERATOR

T-ONE

6B

10B

DC
MOTOR

Up to
1000 kg

Speed
14 m/min



350T-ONE6B

DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 600 kg.

350T-ONE10B

DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 1000 kg.



**Accessories for
T-ONE series**
Page 32



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- residential/apartment building use
- for gates up to 1000 kg
- low voltage dc gate operator
- optical encoder technology (no limit switches required)
- electronic control unit with built-in two-channel receiver
- built-in battery charger

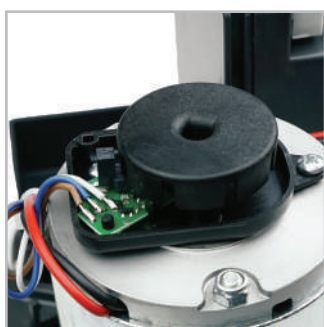
PROS:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- 35% faster than the 230 V version
- intensive use, ideal for use on apartment buildings and public entrances
- external emergency release available (optional, P/N 650ESE03)
- soft start and soft stop
- auto-learning of the gate stroke through optical encoder



INTENSIVE USE

100% continuous working cycle thanks to the low voltage DC motor.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.



RELIABILITY

Both 12 and 24 V versions work even during power outage thanks to the optional backup battery.

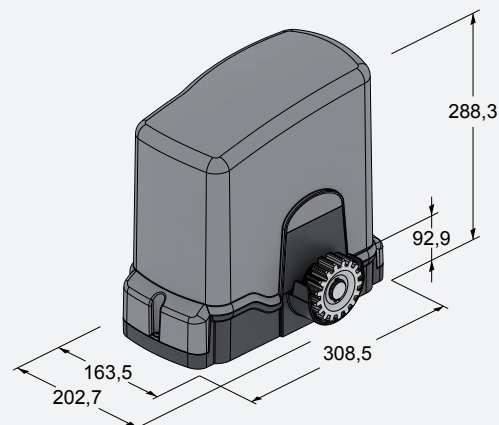


TOTAL CONNECT

By combining the 250T-CONNECT module, it is possible to control the automation remotely by your smartphone (only for T-ONE10B).

TECHNICAL DRAWINGS

Technical features	T-ONE6B	T-ONE10B
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	18 V DC
Open circuit voltage	1,05 A	1,1 A
Power rating	250 W	300 W
Max. operating speed	14 m/min	14 m/min
Duty cycle	100 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	-
Degree of protection	IP 54	IP 54
Max. gate leaf weight	600 kg	1000 kg
Pinion module	4	4
Electronic control unit	K125M	K126MA



GATE OPERATOR

T-ONE

8BR



DC
MOTOR

Up to
800 kg

Speed
24 m/min



350T-ONE8BR

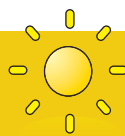
DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Speed up to 24 m/min. Maximum gate weight 800 kg.



**Accessories for
T-ONE series**
Page 32



Further accessories:
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Flashing lights
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HIGH SPEED

Ready for a new challenge.



+130% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



RESIDENTIAL APPLICATIONS

For sliding gates up to 800 kg

T-ONE8BR opening speed = 24 m/min



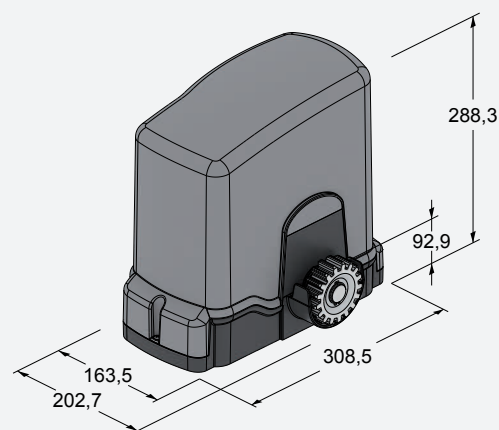
T-ONE8A opening speed = 10,5 m/min

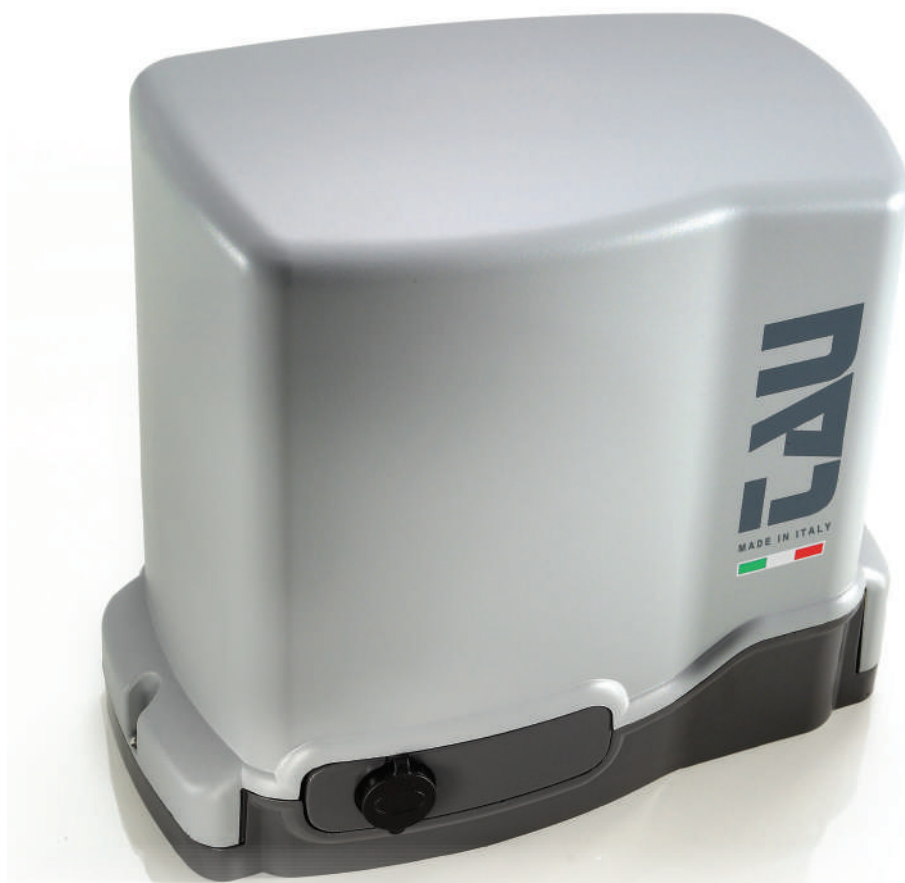


SAVE TIME

TECHNICAL DRAWINGS

Technical features	T-ONE8BR
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,05 A
Power rating	300 W
Max. operating speed	24 m/min
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54
Max. gate leaf weight	800 kg
Pinion module	4
Electronic control unit	K126MA



**350T-ONE5A**

230 V sliding gate operator with encoder and electromechanical limit switch, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 500 kg.

350T-ONE8A

230 V sliding gate operator with encoder and electromechanical limit switch, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 800 kg.

350T-ONEXLA

230 V sliding gate operator with encoder and electromechanical limit switch, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 1200 kg.



**Accessories for
T-ONE series**
Page 32



Further accessories:
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Flashing lights
page 242

FEATURES:

- residential/apartment building use
- for gates up to 500/800/1200 kg
- 230 V gate operator
- built-in mechanical limit switches, magnetic limit switches available (optional)
- optical encoder technology for obstacle detection
- electronic control unit with built-in two-channel receiver
- quick programming

PROS:

- quick and easy installation
- obstacle detection and crush prevention
- in accordance with EN 12453 standards* suitable for large sliding gates
- high torque and power
- external emergency release available (optional, P/N 650ESE03)



MECHANICS OF EXCELLENCE

The gearmotor is built with gears of top quality materials such as carbon steel and ferritic-pearlitic cast iron.



MAXIMUM POWER

Reliability, power and minimum dimensions are the characteristics that distinguish the gearmotors of the T-ONE series.



CONTROL ELECTRONICS

Quick and intuitive programming thanks to signalling LEDs. Twochannel radio receiver built-in the control unit (433,92 MHz, 30 codes to memorize).

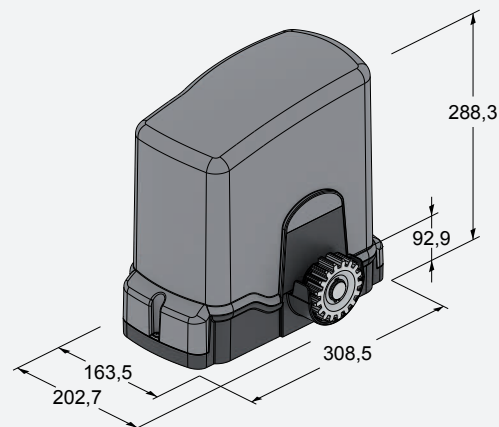


SAFETY

Optical encoder technology as standard on all versions in order to grant a continued and reliable obstacle control.

TECHNICAL DRAWINGS

Technical features	T-ONE5A	T-ONE8A	T-ONEXLA
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC	230 V AC	230 V AC
Open circuit voltage	1,2 A	1,3 A	2,1 A
Power rating	220 W	240 W	340 W
Max. operating speed	10,5 m/min	10,5 m/min	10,5 m/min
Duty cycle	40 %	40 %	40 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	150°C	150°C	150°C
Degree of protection	IP 54	IP 54	IP 54
Max. gate leaf weight	500 kg	800 kg	1200 kg
Pinion module	4	4	4
Electronic control unit	K590M	K590M	K590M





KIT

**DC
MOTOR**

Up to
400 kg



T-ONEKIT3BL

Complete automation kit for sliding gates up to 400 kg, with **350T-ONE3B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKIT3BL2

Complete automation kit for sliding gates up to 400 kg, with **350T-ONE3B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



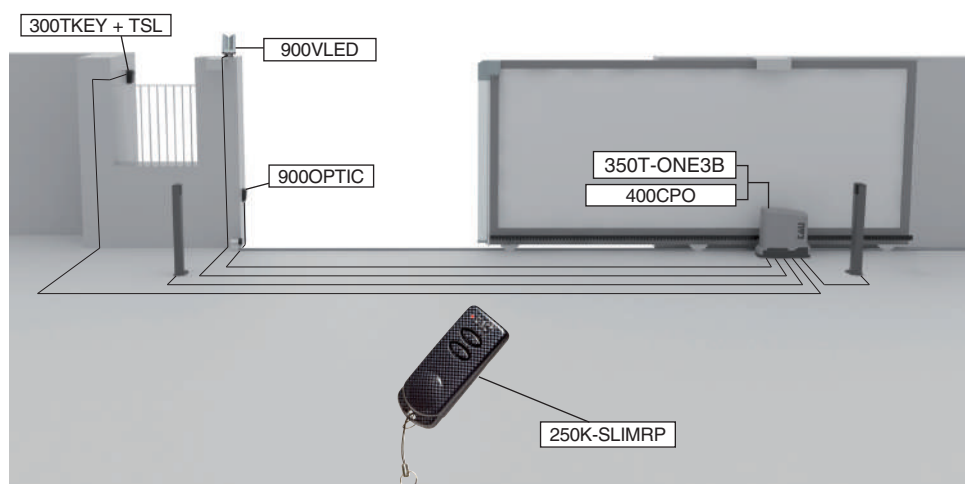
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

**DC
MOTOR**

**Up to
600 kg**



T-ONEKIT6BL

Complete automation kit for sliding gates up to 600 kg, with **350T-ONE6B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



**300T-KEY
+ LED TSL**

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKIT6BL2

Complete automation kit for sliding gates up to 600 kg, with **350T-ONE6B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



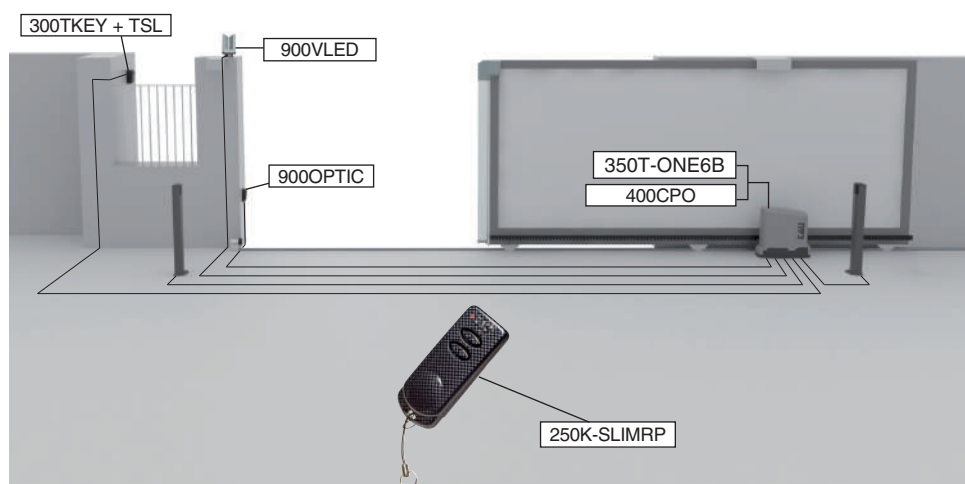
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

**DC
MOTOR**

Up to
1000 kg



T-ONEKIT10BL

Complete automation kit for sliding gates up to 1000 kg, with **350T-ONE10B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



**300T-KEY
+ LED TSL**

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKIT10BL2

Complete automation kit for sliding gates up to 1000 kg, with **350T-ONE10B** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



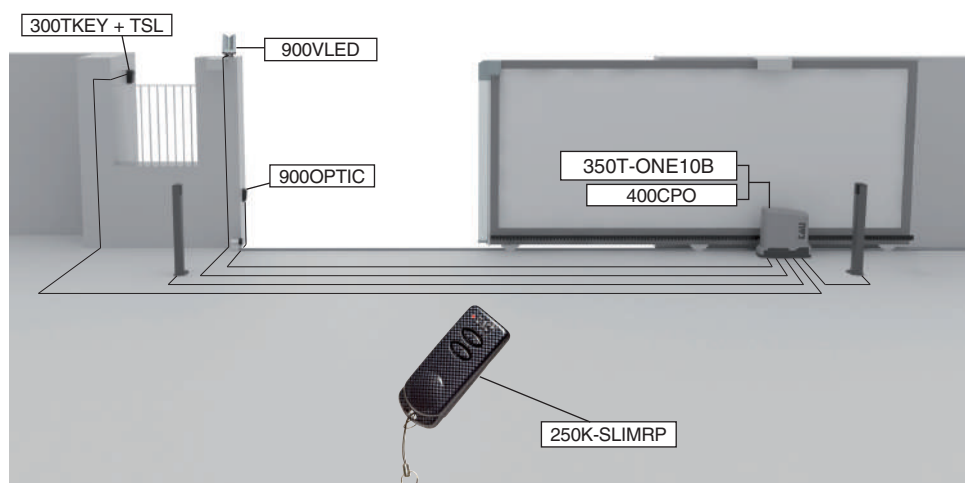
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

230 v

Up to
500 kg



T-ONEKIT5A

Complete automation kit for sliding gates up to 500 kg, with **350T-ONE5A** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKIT5A2

Complete automation kit for sliding gates up to 500 kg, with **350T-ONE5A** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



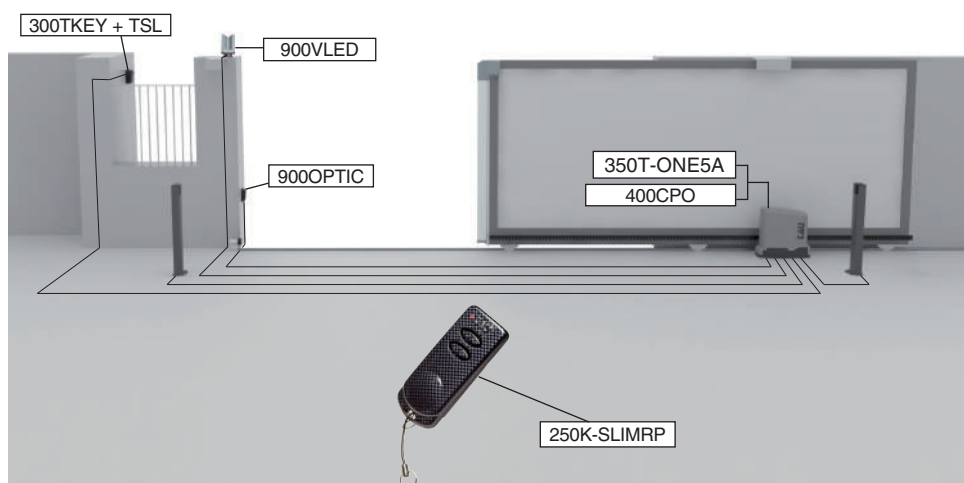
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

230 v

Up to
800 kg



T-ONEKIT8A

Complete automation kit for sliding gates up to 800 kg, with **350T-ONE8A** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKIT8A2

Complete automation kit for sliding gates up to 800 kg, with **350T-ONE8A** gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



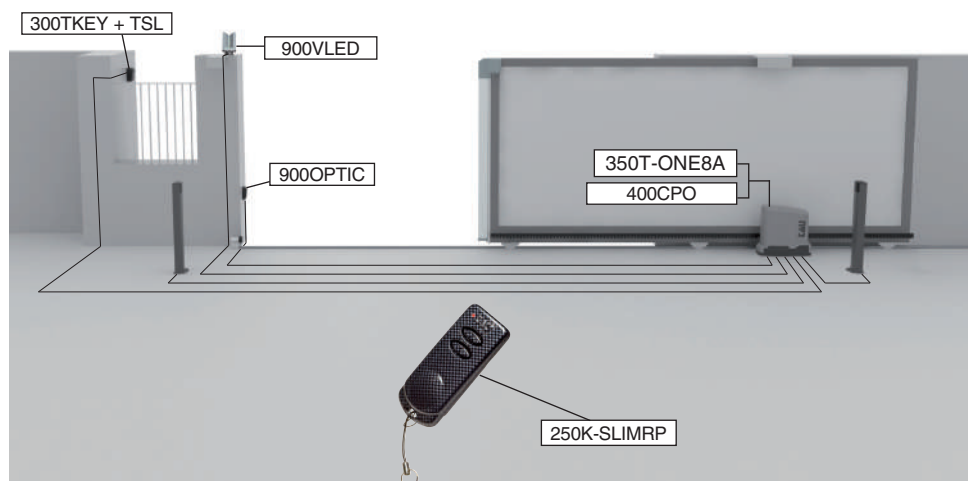
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

230 V

Up to 1200 kg



T-ONEKITXLA

Complete automation kit for sliding gates up to 1200 kg, with 350T-ONEXLA gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



T-ONEKITXLA2

Complete automation kit for sliding gates up to 1200 kg, with 350T-ONEXLA gate operator

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



400CPO

Counterplate



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



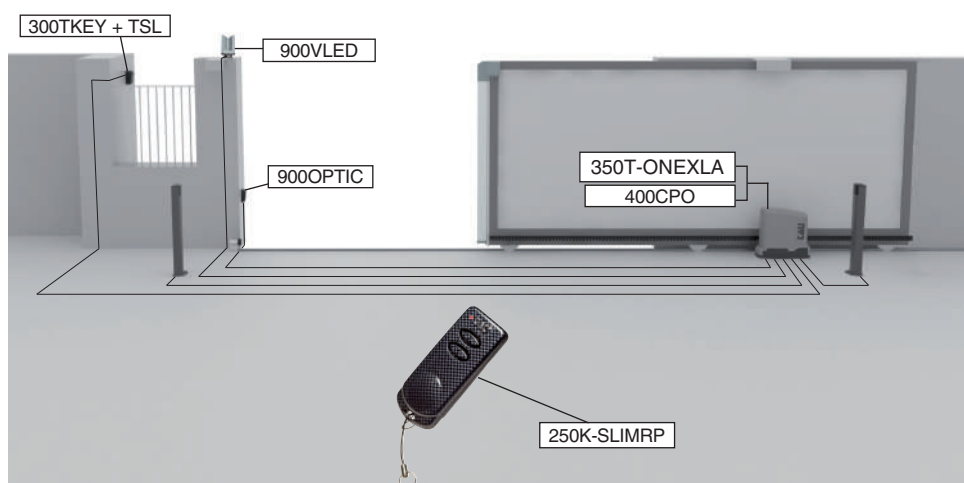
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



ACCESSORIES

COMMON ACCESSORIES



400CPO
Counterplate



400CPE
40 mm overhead counterplate



550CPMR
Adjustable counterplate from min. 65 mm to max 94 mm



550CPMR1
Adjustable counterplate from min. 124 to max 202 mm



400CPE75
75 mm overhead counterplate



400VP40
Screws for 400CN (40 screws per pkg)



400CN
Steel core, fibreglass reinforced, 22x22 nylon rack (Module 4, max 800 kg). Pcs / Pack 10 m



400CFZ12
Steel rack 30x12, complete with screws (Module 4, max 2000 kg) Pcs / Pack 4 m



650ESE03
External emergency release device (flush-mounted) with tamper-proof housing and 4 m cable



700BAP4
Gate stopper with spring



900TWM
Wireless master receiver for max 8 safety edges



900TWC
Mobile wireless slave transmitter for safety edge



900BSD15
Deformable safety edge kit / = 1,5 m



900BSD20
Deformable safety edge kit / = 2 m



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



900VLED
Low voltage 12-18-24 Volt white led flashing light



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



250T-CONNECT
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

ACCESSORIES FOR 12/18/24 VOLT



200BATT
12 V back-up battery, 7,2 Ah
with cable



900T-COMM
Interface for connecting two (2) control
boards on master/slave mode; enabling
with Tauprog for T-ONE8BR and
T-ONE10B models



M-030KITKB20
Battery cables kit (20 pcs)



200KB3
Battery charger and backup battery kit
for K120M control unit

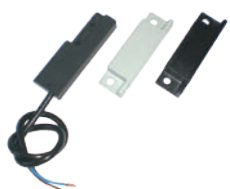


250SM126
Memory card for 126 radio
codes



250SM254
Memory card for 254 radio codes

ACCESSORIES FOR 230 VOLT

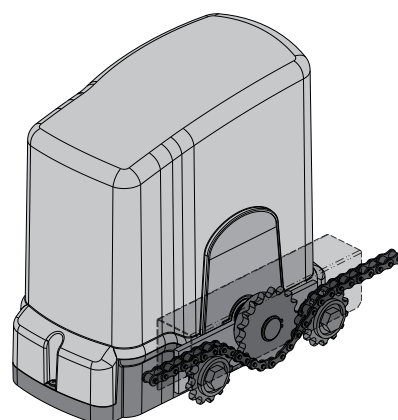


400FCM
Magnetic limit switches

CHAIN VARIANT



Upon request, the T-ONE gearmotor is available with the pinion for chain transmission and for foreign markets the 120 Volt variant is also available.



Use and maintenance manuals



T-ONE



K120M



K125M



K126MA



K590M

GATE OPERATOR **MASTER**

18QR

DC
MOTOR

Up to
1800 kg

Speed
14 m/min



500MASTER18QR

DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 1800 kg.



**Accessories for
MASTER series**
Page 40



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- apartment building/commercial use
- for gates up to 1800 kg
- low voltage dc gate operator
- optical encoder technology
- built-in battery charger

PROS:

- obstacle detection and crush prevention
- in accordance with en 12453 standards*
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- external emergency release available (optional, P/N 650ESE02)
- auto-learning of the gate stroke through optical encoder



ELECTRONIC CONTROL UNIT

Protected electronic control unit built-in in the motor complete with radio receiver.



RELIABILITY

Both 12 and 24 V versions work even during power outage thanks to the optional backup battery.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.

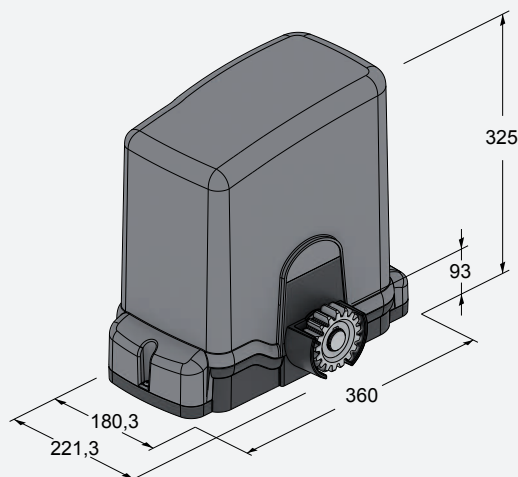


TOTAL CONNECT

By combining the 250T-CONNECT module, it is possible to control the automation remotely by your smartphone.

TECHNICAL DRAWINGS

Technical features	MASTER18QR
Power supply	230V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1,6 A
Power rating	360 W
Max. operating speed	14 m/min
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54
Max. gate leaf weight	1800 kg
Pinion module	4
Electronic control unit	K126MA



GATE OPERATOR MASTER

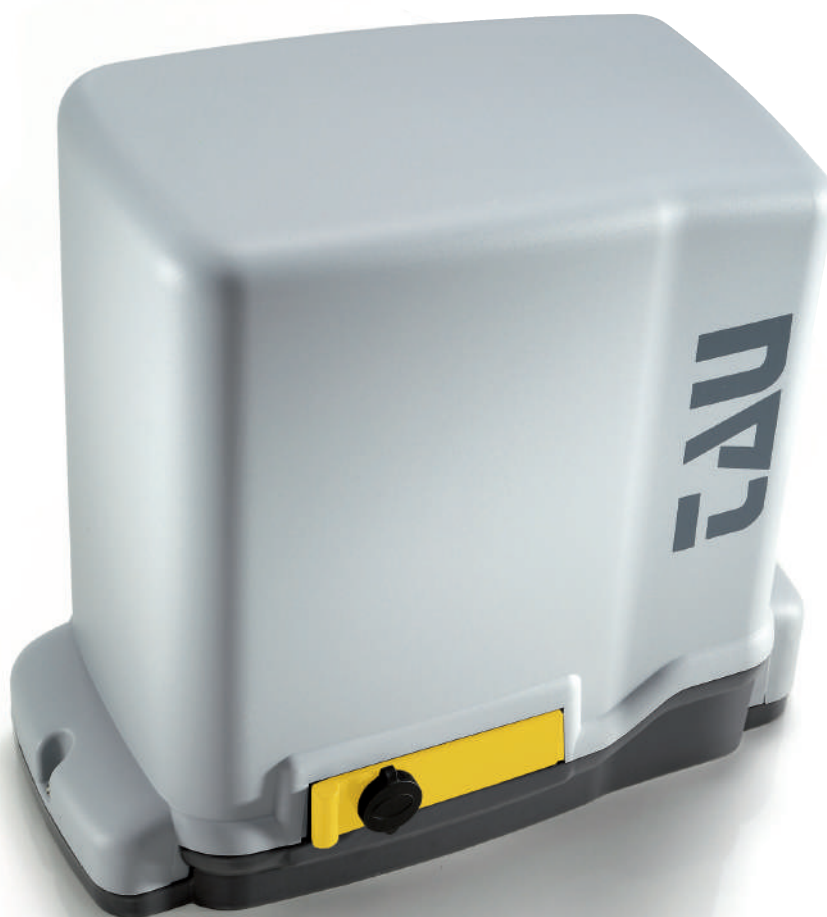
-R



DC
MOTOR

Up to
1200 kg

Speed
24 m/min



500MASTER-R

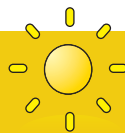
DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Speed up to 24 m/min. Maximum gate weight 1200 kg.



**Accessories for
MASTER series**
Page 40



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242



HIGH SPEED

Ready for a new challenge.



+130% SPEED

Percentage calculated in comparison with the 230 Volt version



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family



INDUSTRIAL APPLICATIONS

For sliding gates up to 1200 kg

MASTER-R opening speed = 24 m/min



MASTER20 opening speed = 10,5 m/min



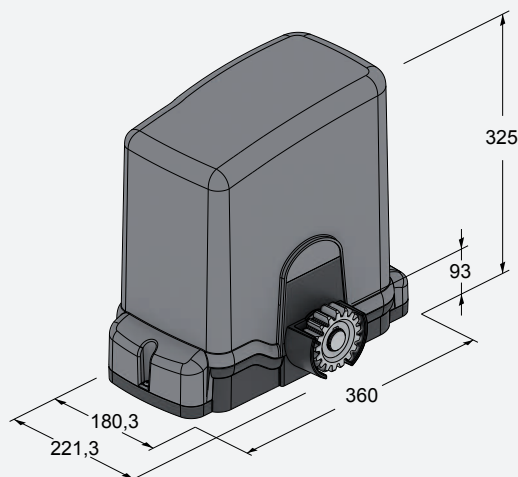
SAVE TIME

TECHNICAL DRAWINGS

Technical features

MASTER-R

Power supply	230V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,8 A
Power rating	360 W
Max. operating speed	24 m/min (opening) 14 o 24 m/min (closing)
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54
Max. gate leaf weight	1200 kg
Pinion module	4
Electronic control unit	K126MA



GATE OPERATOR **MASTER**

20QRA 20QMA 20T

**230
400 V**

**Up to
2000 kg**

**Speed
10,5 m/min**



500MASTER20QRA

NEW

230 V sliding gate operator with encoder and limit switch, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 2000 kg.

500MASTER20QMA

NEW

230 V sliding gate operator with encoder and magnetic limit switches, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Maximum gate weight 2000 kg.

500MASTER20T

400 V three-phase sliding gate operator with encoder without electronic control unit. Maximum gate weight 2000 kg.



**Accessories for
MASTER series**
Page 40



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- commercial use
- for gates up to 2000 kg
- 230 V (MASTER20QRA/QMA) and 400 V (MASTER20T) gate operators
- optical encoder technology for obstacle detection
- electronic brake
- irreversible gate operator
- lever manual release mechanism

PROS:

- obstacle detection and crush prevention
- suitable for large sliding gates
- high torque and power thanks to the three-phase 400 V AC version (MASTER20T)
- external emergency release available (optional, P/N 650ESE02)



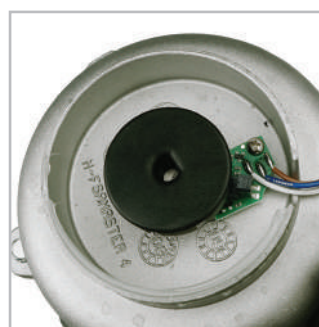
PROTECTED CONTROL BOARD

The electronic control unit is well protected from the outside within its plastic shell (MASTER20QRA/QMA).



PRACTICAL

The manual release is easy, intuitive and protected by a personal key.



SAFETY

Encoder technology as standard to ensure constant and reliable control of any obstacle.

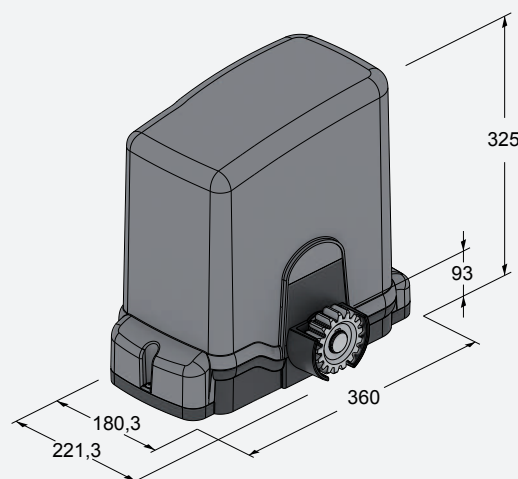


MAXIMUM POWER

Reliability, power and minimum dimensions are the characteristics that distinguish the gearmotors of the MASTER series.

Technical features	MASTER20QRA/QMA	MASTER20T
Power supply	230 V AC (50 - 60 Hz)	400 V AC (50 - 60 Hz)
Motor power supply	230 V AC	400 V AC
Open circuit voltage	3,4 A	3,7 A
Power rating	550 W	1000 W
Max. operating speed	10,5 m/min	10,5 m/min
Duty cycle	50 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	160°C	150°C
Degree of protection	IP 54	IP 54
Max. gate leaf weight	2000 kg	2000 kg
Pinion module	4	4
Electronic control unit	K590M	D703M (external)

TECHNICAL DRAWINGS



ACCESSORIES

COMMON ACCESSORIES



550CPMR
Adjustable counterplate from min. 65 mm to max 94 mm



550CPMR1
Adjustable counterplate from min. 124 to max 202 mm



550CPM
Counterplate



550CPM0020
Counterplate H 40 mm



400CFZ12
Steel rack 30x12, complete with screws (Module 4, max 2000 kg) Pcs/Pack 4 m



400CFZ22
Steel rack 22x22 (Module 4, max 3000 kg) 2 meter sections. Pcs/Pack 4 m



700BAP4
Gate stopper with spring



400VSF20
Screws and brackets for 400CFZ22 (40 units per pcs)



900TWM
Wireless master receiver for max 8 safety edges



900TWC
Mobile wireless slave transmitter for safety edge



650ESE02
External emergency release device (flush-mounted) with tamper-proof housing and 4 m cable



900BSD15
Deformable safety edge kit $l = 1,5$ m

900BSD20
Deformable safety edge kit $l = 2$ m



C-CRT
Warning signal



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



C-TARG
Aluminium CE mark label, self adhesive



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment

ACCESSORIES FOR 18/24 VOLT



200BATT
12 V back-up battery, 7,2 Ah with cable



900T-COMM
Interface for connecting two (2) control boards on master/slave mode; enabling with Tauprog for MASTER18QRA e MASTER-R models



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



250T-CONNECT
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

ACCESSORIES FOR 230/400 VOLT



600D703
230/400 V electronic control unit for one gate operator with electrical brake (MASTER20T)



900VLED-AT
230 V AC white led flashing light



250RXSM2
Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters

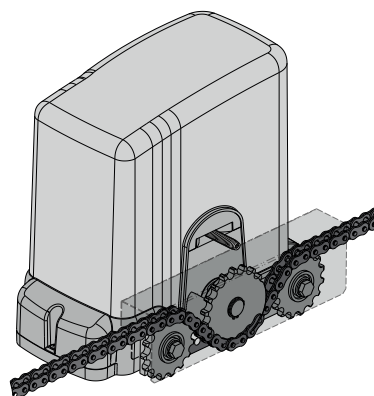


750COL
Control unit mounting post

CHAIN VARIANT



Upon request, the MASTER gearmotor is available with the pinion for chain transmission and for foreign markets the 120 Volt variant is also available.



Use and maintenance manuals



MASTER



K126M



K590M



D703

GATE OPERATOR

BIG

25QI

230 V

Up to
2500 kg

Speed up to
19 m/min



500BIG25QI

230 V three-phase sliding gate operator with builtin control unit with inverter. Maximum gate weight 2500 kg.



**Accessories for
BIG series**
Page 46



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- commercial use
- for gates up to 2500 kg
- three-phase 230 V operator
- mono-phase 230 V power supply
- soft start and soft stop
- adjustable opening and closing speed of the control unit and inverter
- oil bath vertical pinion operator
- painted steel housing
- manual release mechanism
- anti-crush adjustable mechanical clutch

PROS:

- suitable for large sliding gates
- higher torque and power thanks to the inverter technology
- self-ventilated operator for intensive use
- metal and bronze gears to increase endurance and reduce noise



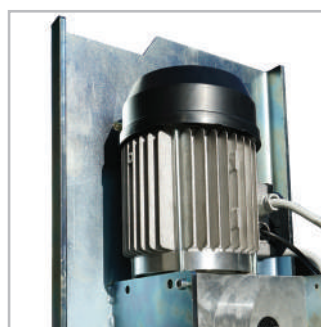
UNLOCK

Thanks to the large handle, the unlocking maneuver is always feasible even for particularly heavy gates.



CLUTCH

Adjustable dry clutch, interposed between the motor and the reducer, for the safeguard of the mechanical parts in case of obstacles to gate movement.



ENGINE

The ventilated three-phase motor guarantees intensive use.



ELECTRONICS

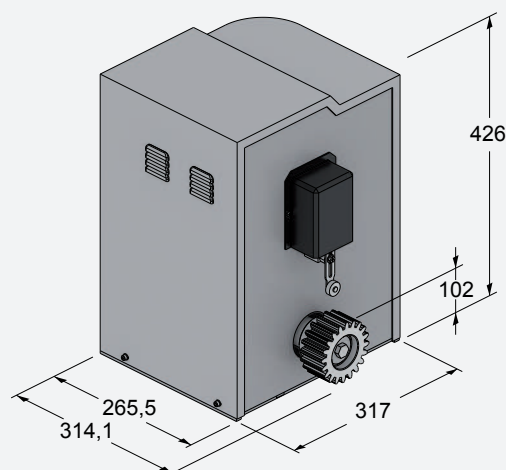
The control unit with inverter allows to vary the speed and to program the acceleration and deceleration ramps.

TECHNICAL DRAWINGS

Technical features

BIG25QI

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC (three-phase)
Open circuit voltage	3 A
Power rating	1000 W
Max. operating speed	adjustable 5 ÷ 19 m/min
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	150° C
Degree of protection	IP 54
Max. gate leaf weight	2500 kg
Pinion module	4
Electronic control unit	D812M25



GATE OPERATOR

BIG

40QI

230 V

Up to
4000 kg

Speed up to
18 m/min



500BIG40QI

230 V three-phase sliding gate operator with builtin control unit with inverter. Maximum gate weight 4000 kg.



**Accessories for
BIG series**
Page 46



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- commercial use
- for gates up to 4000 kg
- three-phase 230 V operator
- mono-phase 230 V power supply
- soft start and soft stop
- adjustable opening and closing speed of the control unit and inverter
- oil bath vertical pinion operator
- painted steel housing
- manual release mechanism
- mechanical clutch for crush prevention
- available upon request with pinion for M6 rack

PROS:

- suitable for large sliding gates
- higher torque and power thanks to the inverter technology
- self-ventilated operator to increase the working cycle
- metal and bronze gears to increase endurance and reduce noise



GEARMOTOR

Thanks to the oil bath gear-box, the three-phase ventilated gearmotor guarantees intensive and long-lasting use.



UNLOCK

Thanks to the industrial mechanical key, the unlocking maneuver is always feasible even for particularly heavy gates.



ELECTRONICS

The control unit with inverter allows to vary the speed and to program the acceleration and deceleration ramps.



LIMIT SWITCH

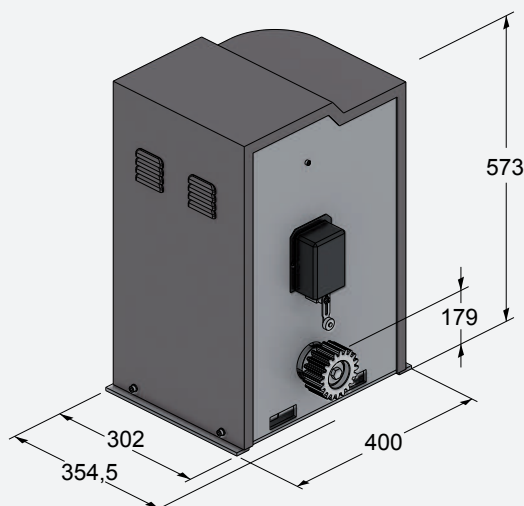
The industrial limit switch, adjustable in height, is suitable for working with any type of rack.

Technical features

BIG40QI

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Open circuit voltage	3,6 A
Power rating	1500 W
Max. operating speed	adjustable 7 ÷ 18 m/min
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	150° C
Degree of protection	IP 54
Max. gate leaf weight	4000 kg
Pinion module	4
Electronic control unit	D812M

TECHNICAL DRAWINGS



ACCESSORIES

BIG SERIES ACCESSORIES



400CP25
Counterplate for BIG25QI



400CP30
Counterplate for BIG40QI



550CFZ06
Steel rack 30x30 (Module 6, max 4000 kg) 2 meter sections. Pcs / Pack 10 m



M-ING0000Z12BIG
Pinion module 6 (BIG40QI)



400CFZ22
Steel rack 22x22 (Module 4, max 3000 kg) 2 meter sections. Pcs / Pack 4 m



400VSF20
Screws and brackets for 400CFZ22 (40 units per pkg)



400PROFC
Galvanized rack attachment profile. 2 meter sections
Compatible with 400CFZ22



900BSD15
Deformable safety edge kit / =1,5 m



700BAP4
Gate stopper with spring

900BSD18
Deformable safety edge kit / =1,8 m

900BSD20
Deformable safety edge kit / =2 m

900BSD25
Deformable safety edge kit / =2,5 m



900TWM
Wireless master receiver for max 8 safety edges



900TWC
Mobile wireless slave transmitter for safety edge



250RXSM2
Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters



250SM126
Memory card for 126 radio codes

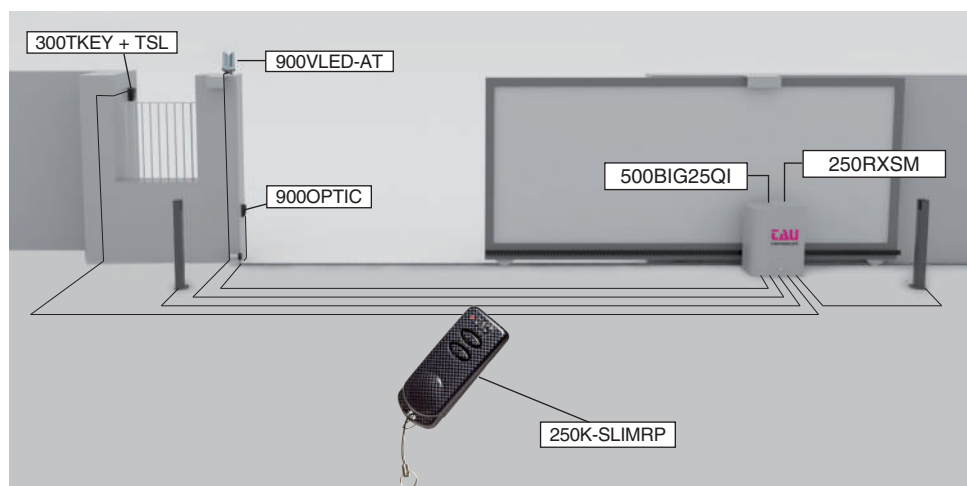


C-CRT
Warning signal

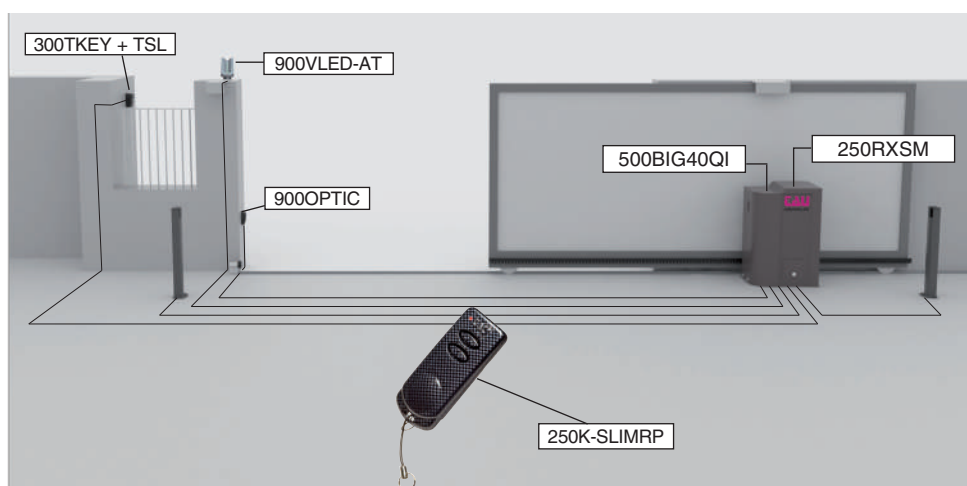


C-TARG
Aluminium CE mark label, self adhesive

BIG25QI TYPICAL SYSTEM



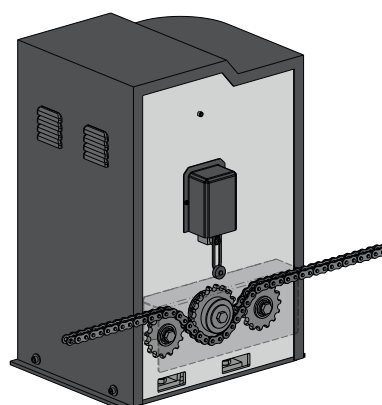
BIG40QI TYPICAL SYSTEM



CHAIN VARIANT



Upon request, the BIG gearmotor is available with the pinion for chain transmission and for foreign markets the 120 Volt variant is also available.



Use and maintenance manuals



BIG



D812M



D812M25



D812M-110



D703M

SWING GATES



ARM2000 linear
gate operator

Pag. 54

VECTI/-F linear
gate operator

Pag. 56

ARM200 linear
gate operator

Pag. 66

VECTI-T linear
gate operator

Pag. 66

R18
underground
gearmotor

Pag. 84

R40 / R30
underground
gearmotor

Pag. 94

EASY
articulated arm
gate operator

Pag. 104

ZIP articulated
arm gate
operator

Pag. 114

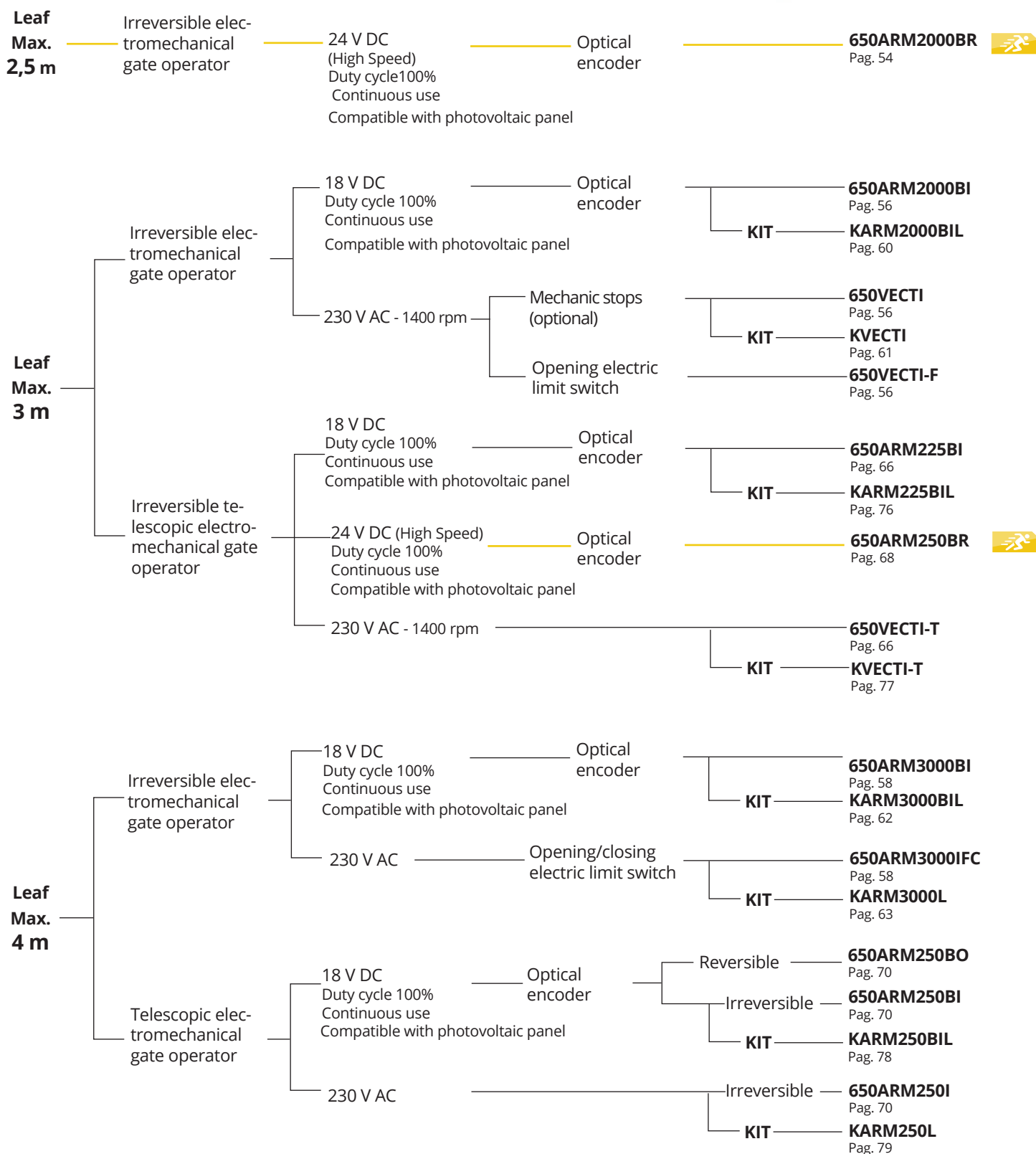
ZIPPO
articulated arm
gate operator

Pag. 120

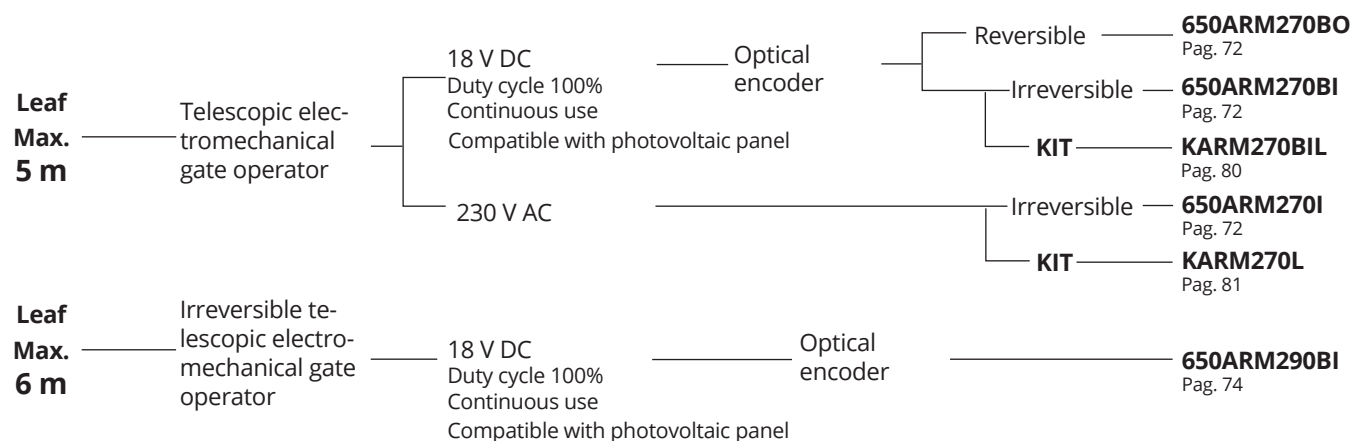


SELECTION GUIDE

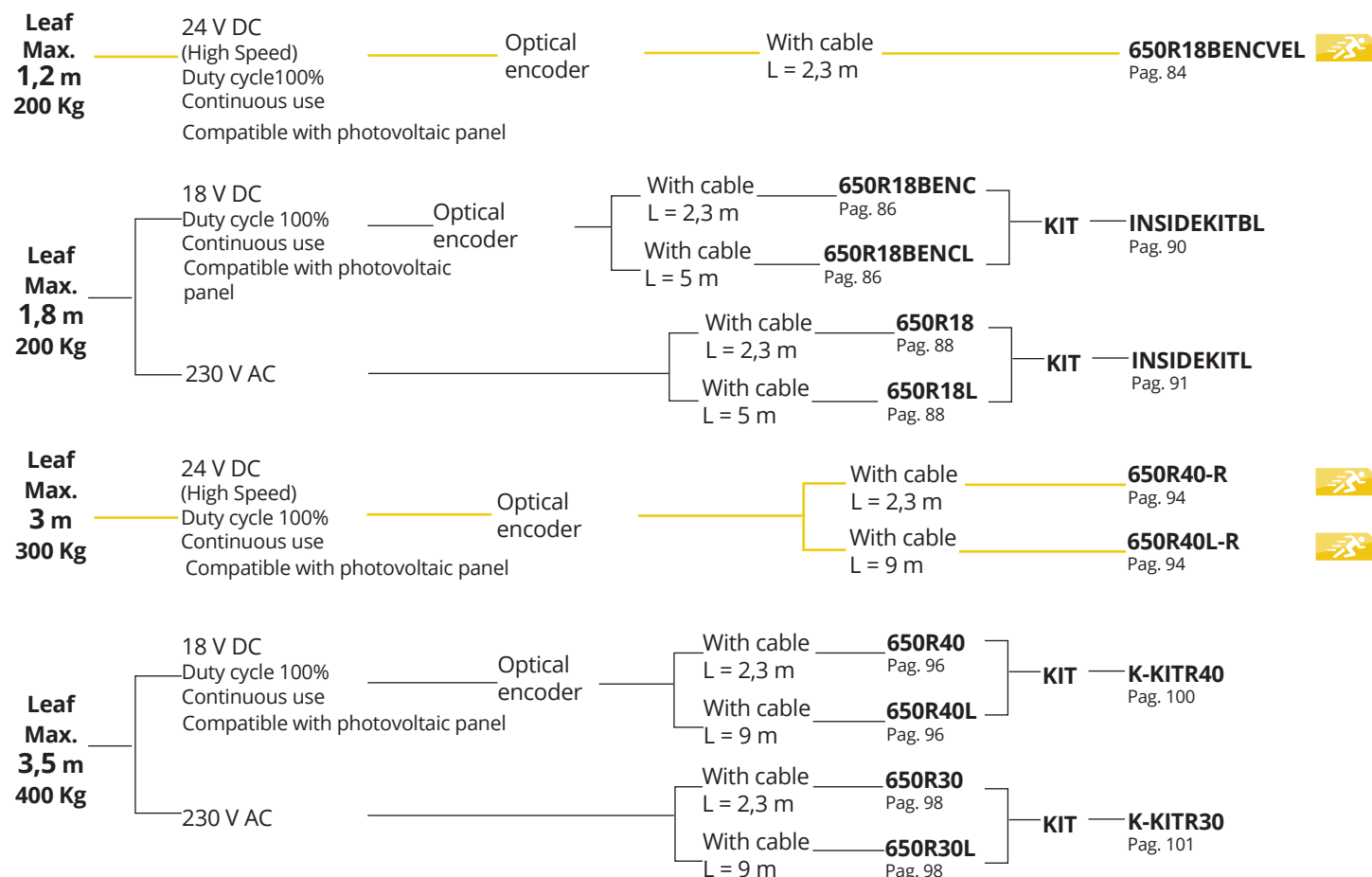
Linear gate operator for residential/condominium/industrial use



Linear gate operator for residential/condominium/industrial use

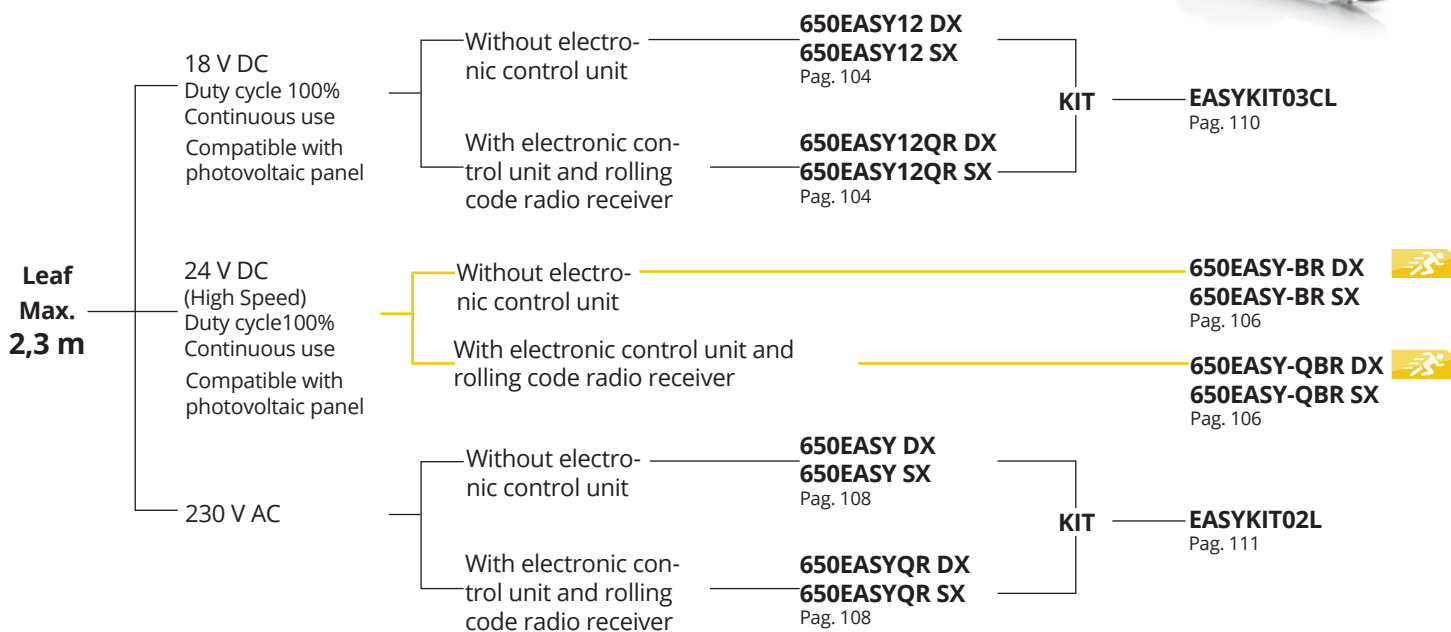


Underground gearmotors for residential / condominium use

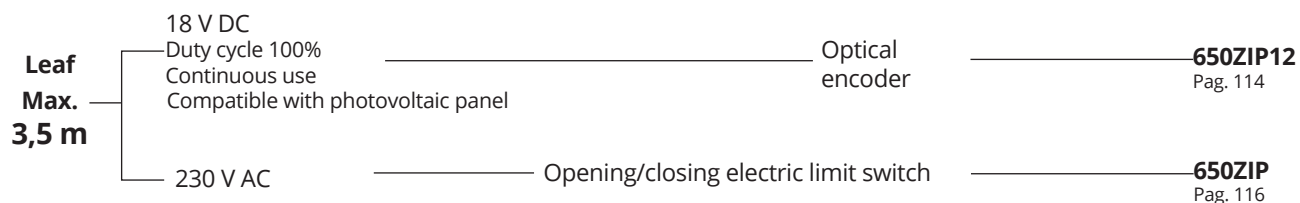


SELECTION GUIDE

Articulated arm gate operator for residential use



Articulated arm gate operator for residential/condominium use



Articulated arm gate operator for residential/condominium/industrial use



Leaf Max. 3 m	18 V DC Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650ZIPPOB Pag. 120
	230 V AC	Opening/closing electric limit switch	650ZIPPO Pag. 120
Leaf Max. 4m	18 V DC Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650ZIPPOXLB Pag. 122
	24 V DC (High Speed) Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650ZIPPOXLBR Pag. 124
	230 V AC	Opening/closing electric limit switch	650ZIPPOXL Pag. 122



650ARM2000BR

Irreversible fast DC electromechanical linear gate operator with encoder. Maximum gate leaf 2,5 m.

750D749MA-R

Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit.



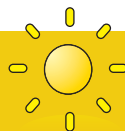
Accessories for ARM2000 series
Page 64



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+55% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



DON'T GET IN THE WAY

Clear the lane quickly



SAVE TIME

ARM2000BR opening time = 9 s



VECTI/-F opening time = 20 s



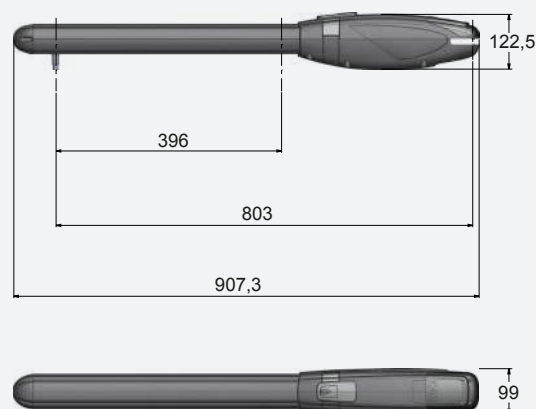
Technical features

ARM2000BR

Power supply	230 V AC (50-60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,1 A
Power rating	120 W
Opening time 90°	9 s*
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44
Stroke length	396 mm
Electronic control unit	D749MA-R

* Varies according to the installation geometries

TECHNICAL DRAWINGS



LINEAR GATE OPERATOR

ARM2000BI VECTI / -F

max. **3m**

DC MOTOR
230 V MOTOR

Opening
time from
12 to 16 s



650ARM2000BI

Irreversible DC electromechanical covered screw gate operator with encoder. Maximum gate leaf 3 m.

650VECTI

NEW

Irreversible 230 V electromechanical covered screw gate operator, 1400 rpm. Maximum gate leaf 3 m.

650VECTI-F

NEW

Irreversible 230 V electromechanical covered screw gate operator 1400 rpm, with opening electrical limit switch. Maximum gate leaf 3 m.



**Accessories for
ARM2000/VECTI
series**

Page 64



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights
page 242

FEATURES:

- residential/apartment building use
- for gates leaves up to 3 m
- covered screw gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- bronze lead nut for strength and silent operation
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

12 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



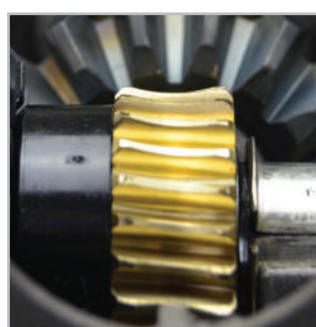
SILENCE OF MOVEMENT

The steel towing fork and the bronze nut ensure absolute silence during movement.



EASY INSTALLATION

Thanks to the connections from above, it is more convenient and faster to install and wire.



PLUNGE ROUNDED TOOTING

The special plunge rounded tooting guarantees a greater bearing surface and therefore less wear and longer life.



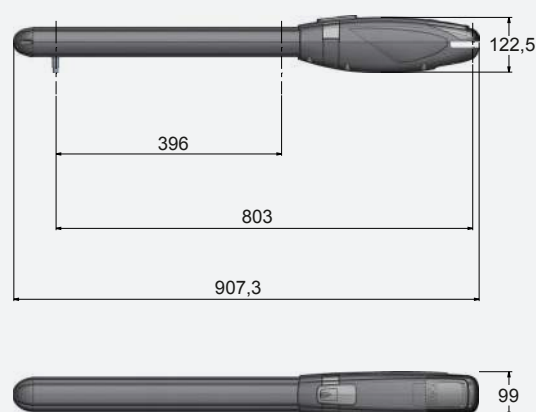
MANUAL RELEASE

The manual release device is simple and intuitive and is protected by a unique coded key that can also be used for the external key selector.

Technical features	ARM2000BI	VECTI/-F
Power supply	230 V AC (50-60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC
Open circuit voltage	1,1 A	1,5 A
Power rating	120 W	350 W
Opening time 90°	12 s*	16 s*
Duty cycle	100 %	36 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C
Degree of protection IP	IP 44	IP 44
Stroke length	396 mm	396 mm

* Varies according to the installation geometries

TECHNICAL DRAWINGS





650ARM3000BI

Irreversible DC electromechanical covered screw gate operator with encoder. Maximum gate leaf 4 m.

650ARM3000IFC

Irreversible 230 V electromechanical covered screw gate operator with opening and closing electrical limit switches. Maximum gate leaf 4 m.



Accessories for ARM3000 series
Page 64



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/apartment building use
- for gates leaves up to 4 m
- covered screw gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- bronze lead nut for strength and silent operation
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

12 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



FLUID MOVEMENT

The quintuple-threaded worm screw is completely made of steel with a diameter of 20 mm to guarantee durability and high performance.



MECHANICS OF EXCELLENCE

The gears are assembled with high quality, double shielded ball bearings in order to obtain absolute precision between their axes.



DOORS OPENING UP TO 107°

Thanks to the versatility of the optional multi-hole brackets, the installation is remarkably simplified and it is possible to reach a considerable degree of leaf opening up to a maximum of 107°.



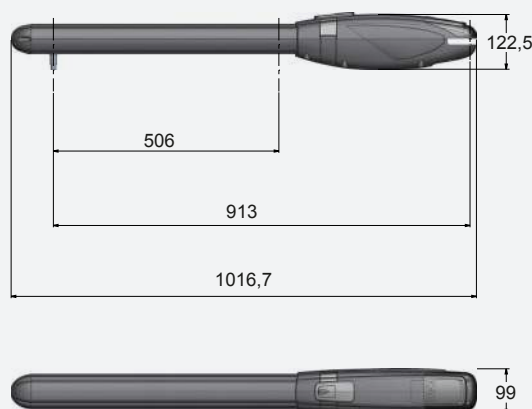
STABILITY X 2

The high quality double bearing ensures greater mechanical stability by reducing jolts.

Technical features	ARM3000BI	ARM3000IFC
Power supply	230 V AC (50-60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC
Open circuit voltage	1,1 A	1,5 A
Power rating	120 W	350 W
Opening time 90°	18 s*	28 s*
Duty cycle	100 %	36 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C
Degree of protection IP	IP 44	IP 44
Stroke length	506 mm	506 mm

* Varies according to the installation geometries

TECHNICAL DRAWINGS





KIT

max.
3+3m

**DC
MOTOR**



KARM2000BIL

Complete double arm automation kit for gates up to 3 + 3 m, with two **650ARM2000BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded



S-ARM0000223 Front fixing bracket to be welded, with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KARM2000BIL2

Complete double arm automation kit for gates up to 3 + 3 m, with two **650ARM2000BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded



S-ARM0000223 Front fixing bracket to be welded, with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.

3+3m

230 V

KVECTI



Complete double arm automation kit for gates up to 3 + 3 m, with two **650VECTI** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000223

Front fixing bracket to be welded, with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KVECTI2



Complete double arm automation kit for gates up to 3 + 3 m, with two **650VECTI** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000223

Front fixing bracket to be welded, with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



KIT

max.
4+4m

**DC
MOTOR**



KARM3000BIL

Complete double arm automation kit for gates up to 4 + 4 m, with two **650ARM3000BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded



S-ARM0000223 Front fixing bracket to be welded, with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KARM3000BIL2

Complete double arm automation kit for gates up to 4 + 4 m, with two **650ARM3000BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded



S-ARM0000223 Front fixing bracket to be welded, with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.

4+4m

230 V

KARM3000L

Complete double arm automation kit for gates up to 4 + 4 m, with two **650ARM3000IFC** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000223

Front fixing bracket to be welded, with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KARM3000L2

Complete double arm automation kit for gates up to 4 + 4 m, with two **650ARM3000IFC** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000223

Front fixing bracket to be welded, with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

ACCESSORIES

COMMON ACCESSORIES



650ARMKITSTF
Multi-position adjustable brackets (for one operator)



650ARMKITSTI
Tilting bracket for sloping gates (1 pcs)



650ARMKITFCR
Adjustable mechanical stoppers (2 pcs)



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



700BAP2
Gate stopper wall/floor mount



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



700BAP1
Gate stopper for light leaves



700BAP
Gate stopper for heavy leaves



900PIVOTL
Set of two adjustable photocells with temporary and fixed courtesy light



750CUP
Control unit enclosure protective lid



250SM126
Memory card for 126 radio codes



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



250T-CONNECT
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



750COL
Control unit mounting post

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



200BATT
12 Volt Battery, 7,2 Ah with cable



M-030KITKB20
Battery cables kit (20 pcs)



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)



Use only M-030000CC50 cable or equivalent

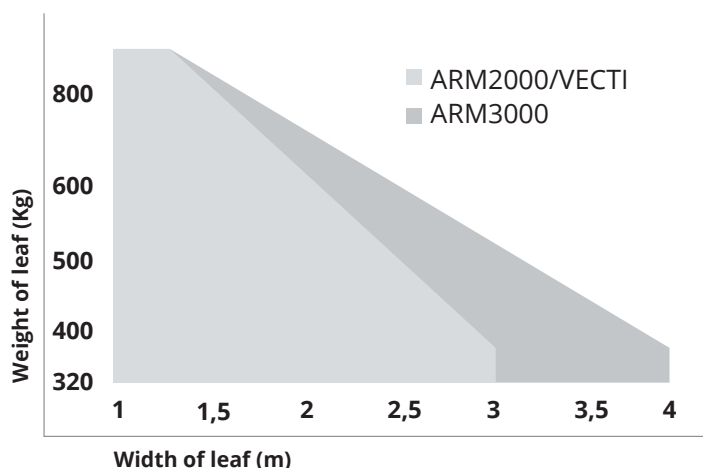
230 VOLT ACCESSORIES



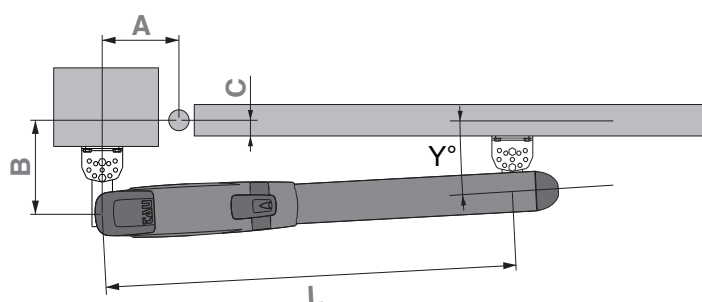
750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

LIMIT TO USE*

*They refer to leaves with openings and not totally closed panels.



INSTALLATION SIZES (MM)*



* Follow the instructions for the installation

NB: In order to get the best performances, the operators have to be installed with A and B values as high as possible. To work correctly, the angle formed by the actuator and the gate (See the picture above for Y° value) must be > 2° (ARM2000/VECTI) both with the gate completely closed and completely open.

Model	Leaf opening	A	B	C	L
VECTI/-F ARM2000BI	90°	Min. 145	da 150 a 190	20	800
		Max. 175	150	20	800
	95°	Min. 150	da 150 a 185	20	800
		Max. 170	da 150 a 155	20	800
	100°	Min. 165	da 150 a 155	20	800
		Max. 170	150	20	800
Recommended	100°	165	155	20	800

Model	Leaf opening	A	B	C	L
ARM3000BI	90°	Min. 150	da 160 a 235	20	910
		Max. 190	da 160 a 185	20	910
	95°	Min. 165	da 160 a 215	20	910
		Max. 200	da 160 a 165	20	910
	100°	Min. 180	da 160 a 180	20	910
		Max. 200	da 160 a 165	20	910
	107°	180	148	20	910
	90°	175	195	20	910
Recommended	90°	175	195	20	910
ARM3000IFC	90°	Min. 150	da 160 a 235	20	890
		Max. 190	da 160 a 185	20	890
	95°	Min. 165	da 160 a 215	20	890
		Max. 200	da 160 a 165	20	890
	90°	175	195	20	890
	90°	175	195	20	890

Use and maintenance manuals



ARM2000



ARM3000



D749MA-R



D749MA



D770M

LINEAR GATE OPERATOR **ARM225BI** **VECTI-T**

max. **3 m**

DC MOTOR
230 V MOTOR

Opening
time from
12 to 16 s



650ARM225BI

Irreversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 3 m.

650VECTI-T

NEW

Irreversible 230 V electromechanical telescopic gate operator, 1400 rpm. Maximum gate leaf 3 m.



**Accessories for
ARM200/VECTI series**
Page 82



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

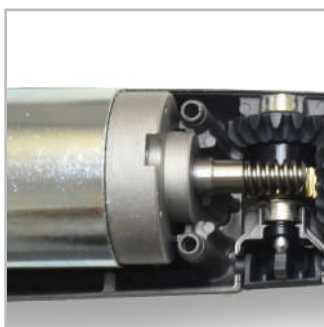
- residential/apartment building/commercial use
- for gates leaves up to 3 m
- rod extension gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

12 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



CONTINUOUS CYCLE

The low voltage motors allow continuous operation without overheating, up to 1500 cycles per day (ARM-225BI).



EASY INSTALLATION

Thanks to the connections from above, it is more convenient and faster to install and wire.



MULTI-POSITION BRACKETS

Multi-position adjustable brackets allow greater flexibility during assembly even on non standard sized posts (optional).



MANUAL RELEASE

The manual release device is simple and intuitive and is protected by a unique coded key that can also be used for the external key selector.

TECHNICAL DRAWINGS

Technical features	ARM225BI	VECTI-T
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC
Open circuit voltage	1 A	1,5 A
Power rating	120 W	350 W
Opening time 90°	12 s*	16 s*
Duty cycle	100 %	36 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C
Degree of protection IP	IP 44	IP 44
Stroke length	290 mm	290 mm

* Varies according to the installation geometries



LINEAR GATE OPERATOR

ARM

250BR



max. **3m**

DC
MOTOR

Opening time
9 s



650ARM250BR

Irreversible fast DC electromechanical telescopic gate operator with rod extension and encoder. Maximum gate leaf 3m.

750D749MA-R

Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit.



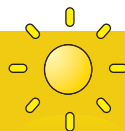
**Accessories for
ARM200 series**
Page 82



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+64% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family

ARM250BR opening time = 9 s



ARM250I opening time = 25 s



SAVE TIME

Technical features	ARM250BR
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,1 A
Power rating	120 W
Opening time 90°	9 s*
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44
Stroke length	425 mm
Electronic control unit	D749MA-R

* Varies according to the installation geometries

TECHNICAL DRAWINGS





650ARM250BI

Irreversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 4 m.

650ARM250I

Irreversible 230 V electromechanical telescopic gate operator. Maximum gate leaf 4 m.

650ARM250BO

NEW

Reversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 4 m.



**Accessories for
ARM200 series**
Page 82



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential/apartment building/commercial use
- for gates leaves up to 4 m
- rod extension gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- suitable for large gates and non standard sized posts
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

12 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



LIMIT SWITCH 650ARM200KITFCAR

Thanks to the optional mechanical stops kit, it is possible to adjust the door opening limit at will, without the need for other stops on the ground.



MECHANICS OF EXCELLENCE

The gears are assembled with high quality, double shielded ball bearings in order to obtain absolute precision between their axes.



STABILITY X 2

The high quality double bearing ensures greater mechanical stability by reducing jolts.



NO BLACK OUT

Possibility of managing low voltage operating units using emergency battery kits, which in case of a blackout come into operation allowing the gate to complete or perform operations.

TECHNICAL DRAWINGS

Technical features	ARM250BI	ARM250I	ARM250BO
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC	18 V DC
Open circuit voltage	1 A	1,5 A	1 A
Power rating	120 W	350 W	120 W
Opening time 90°	12,5 s*	25 s*	12,5 s*
Duty cycle	100 %	36 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C	-
Degree of protection IP	IP 44	IP 44	IP 44
Stroke length	425 mm	425 mm	425 mm



* Varies according to the installation geometries



650ARM270BI

Irreversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 5 m.

650ARM270I

Irreversible 230 V electromechanical telescopic gate operator. Maximum gate leaf 5 m.

650ARM270BO

NEW

Reversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 5 m.



Accessories for ARM200 series
Page 82



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

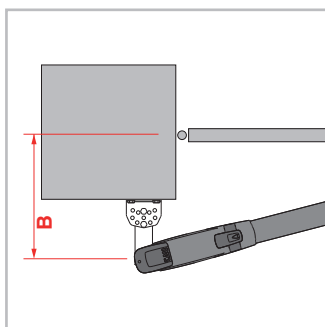
- residential/apartment building/commercial use
- for gates leaves up to 5 m
- rod extension gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- suitable for large gates and non standard sized posts
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

12 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



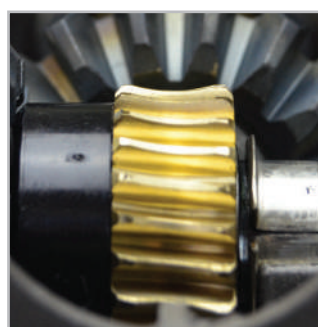
B UP TO 345 MM MAX

Thanks to the telescopic extension, it is able to adapt perfectly to the different dimensions of the pillars.



DOORS OPENING UP TO 120°

Thanks to the versatility of the optional multi-hole brackets, the installation is remarkably simplified and it is possible to reach a considerable degree of leaf opening up to a maximum of 120°.



PLUNGE ROUNDED TOOTHING

The special plunge rounded toothing guarantees a greater bearing surface and therefore less wear and longer life.



STURDINESS

Stem in AISI 304 steel, aluminum fork and brass nut welded directly onto the stem guarantee top-level sturdiness.

Technical features	ARM270BI	ARM270I	ARM270BO
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC	18 V DC
Open circuit voltage	1 A	1,5 A	1 A
Power rating	120 W	350 W	120 W
Opening time 90°	13 s*	34 s*	13 s*
Duty cycle	100 %	36 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C	-
Degree of protection IP	IP 44	IP 44	IP 44
Stroke length	530 mm	530 mm	530 mm

* Varies according to the installation geometries

TECHNICAL DRAWINGS





650ARM290BI

Irreversible DC electromechanical telescopic gate operator with encoder. Maximum gate leaf 6 m. It is also perfect for large pillars. Fixing brackets not included.



Accessories for ARM200 series
Page 82



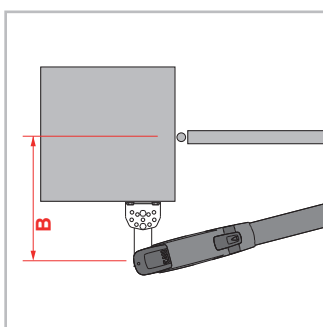
Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/apartment building/commercial use
- for gates leaves up to 6 m
- rod extension gate operator
- suitable for large gates and non standard sized posts
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

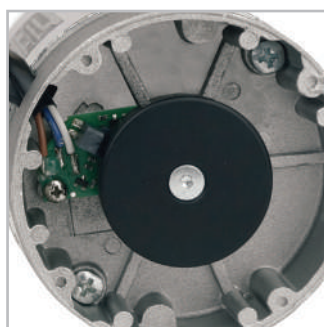
PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances



B UP TO 595 MM MAX

Thanks to the telescopic extension, it is able to adapt perfectly to the different dimensions of the pillars.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.



EASY INSTALLATION

Thanks to the connections from above, it is more convenient and faster to install and wire.



DOORS OPENING UP TO 125°

Thanks to the versatility of the optional oversized multi-hole brackets (650ARMKITSTFM), the installation is remarkably simplified and it is possible to reach a considerable degree of leaf opening up to a maximum of 125°.

Technical features	ARM290BI
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1 A
Power rating	120 W
Opening time 90°	21 s* **
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44
Stroke length	853 mm

* Adjustable by TauProg or TauApp

** Varies according to the installation geometries

TECHNICAL DRAWINGS





KIT

max.
3+3m

**DC
MOTOR**

KARM225BIL



Complete double arm automation kit for gates up to 3 + 3 m, with two **650ARM225BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

KARM225BIL2



Complete double arm automation kit for gates up to 3 + 3 m, with two **650ARM225BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.

3+3m

230 V

KVECTI-T



Complete double arm automation kit for gates up to 3 + 3 m, with two **650VECTI-T** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KVECTI-T2



Complete double arm automation kit for gates up to 3 + 3 m, with two **650VECTI-T** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



KIT

max.
4+4m

**DC
MOTOR**

KARM250BIL



Complete double arm automation kit for gates up to 4+4 m, with two **650ARM250BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

KARM250BIL2



Complete double arm automation kit for gates up to 4+4 m, with two **650ARM250BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.

4+4m

230 V

KARM250L



Complete double arm automation kit for gates up to 4+4 m, with two **650ARM250I** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



**300T-KEY
+ LED TSL**

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KARM250L2



Complete double arm automation kit for gates up to 4+4 m, with two **650ARM250I** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



KIT

max.
5+5m

**DC
MOTOR**

KARM270BIL



Complete double arm automation kit for gates up to 5+5 m, with two **650ARM270BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

KARM270BIL2



Complete double arm automation kit for gates up to 5+5 m, with two **650ARM270BI** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.

5+5 m

230 V

KARM270L



Complete double arm automation kit for gates up to 5+5 m, with two **650ARM270L** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KARM270L2



Complete double arm automation kit for gates up to 5+5 m, with two **650ARM270L2** gate operators

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



S-ARM0000208

Rear fixing bracket to be welded

+



S-ARM0000282

Front fixing bracket with bushing



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

ACCESSORIES

COMMON ACCESSORIES



650ARMKITSTF
Multi-position adjustable brackets (for one operator)



650ARMKITSTI
Tilting bracket for sloping gates (1 pcs)



650ARMKITSTFM
Multi-position adjustable oversized brackets for gate leaves over 4 m



650ARM200KITFCAR
Kit adjustable mechanical stopper in opening (2 pcs)



700BAP2
Gate stopper wall/floor mount



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



700BAP1
Gate stopper for light leaves



700BAP
Gate stopper for heavy leaves



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



750CUP
Control unit enclosure protective lid



250SM126
Memory card for 126 radio codes



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



750COL
Control unit mounting post

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



200BATT
12 Volt Battery, 7,2 Ah with cable



M-030KITKB20
Battery cables kit (20 pcs)



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)



Use only M-030000CC50 cable or equivalent

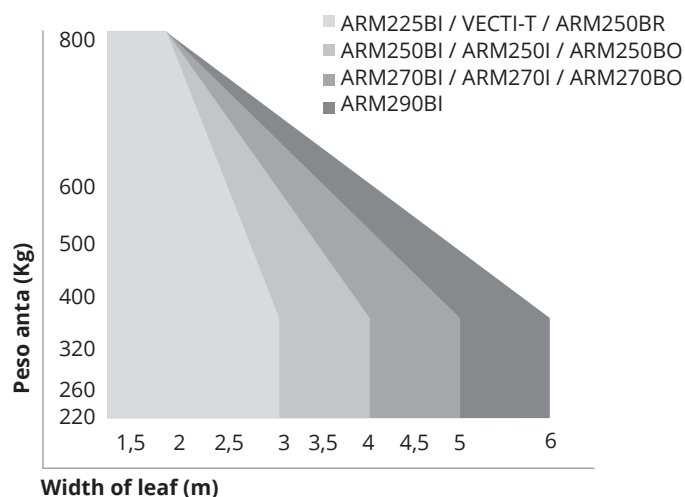
230 VOLT ACCESSORIES



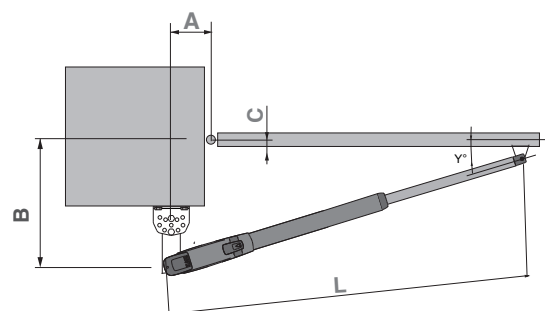
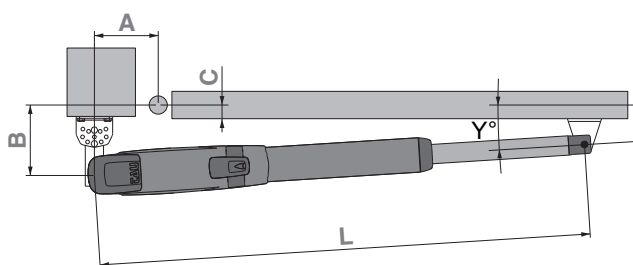
750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

LIMIT TO USE*

*They refer to leaves with openings and not totally closed panels.



INSTALLATION SIZES (MM)*



Model	Leaf opening	A	B	C	L
VECTI-T ARM225BI	90°	Min. 110	from 120 to 165	20	1070
		Max. 140	from 120 to 140	20	1070
	100°	130	from 120 to 130	20	1070
Recommended	90°	140	140	20	1070
ARM250I ARM250BI ARM250BO	90°	Min. 120	from 135 to 275	20	1350
		Max. 200	from 135 to 215	20	1350
	100°	Min. 145	from 135 to 160	20	1350
		Max. 200	from 135 to 180	20	1350
	110°	Min. 170	from 135 to 140	20	1350
Recommended	90°	190	190	20	1350
ARM270I ARM270BI ARM270BO	90°	Min. 150	from 170 to 345	20	1560
		Max. 225	from 170 to 290	20	1560
	100°	Min. 175	170	20	1560
		Max. 225	from 170 to 250	20	1560
	110°	Min. 210	from 170 to 175	20	1560
	120°	Max. 225	from 170 to 225	20	1560
Recommended	90°	225	225	20	1560

Model	Leaf opening	A	B	C	L
ARM290BI	90°	Min. 200	from 225 to 595	20	2266
		Max. 450	from 225 to 420	20	2266
	100°	Min. 250	from 225 to 480	20	2266
		Max. 450	from 225 to 340	20	2266
	125°	Min. 370	from 225 to 240	20	2266
		Max. 400	from 225 to 265	20	2266

* Follow the instructions for the installation

NB: In order to get the best performances, the operators have to be installed with A and B values as high as possible. To work correctly, the angle formed by the actuator and the gate (See the picture above for Y° value) must be > 3° (ARM225/VECTI - ARM250) and > 4° (ARM270 - ARM290) both with the gate completely closed and completely open.

Use and maintenance manuals



ARM200



D749MA-R



D749MA



D770M



650R18BENCVEL

DC fast electromechanical gate operator with encoder. Maximum gate leaf 1,2 m/**200 kg** (foundation box to be ordered separately) **with cable l=2,3 m.**



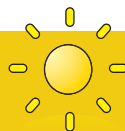
**Accessories for
R18 series**
Page 92



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+59% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family

R18BENCVEL opening time = 9 s



R18 - R18L opening time = 16,5 s



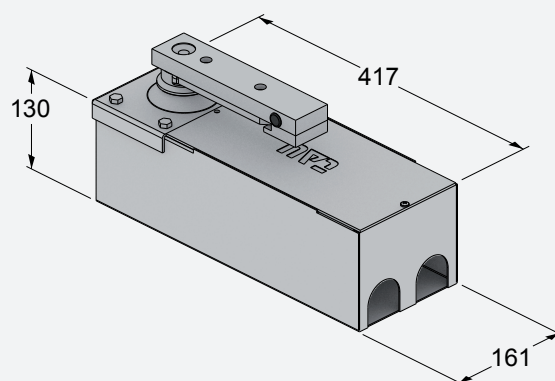
SAVE TIME

Technical features

R18BENCVEL

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	0,8 A
Power rating	120 W
Opening time 90°	9 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 67

TECHNICAL DRAWINGS



**650R18BENC**

DC electromechanical gate operator with encoder. Maximum gate leaf 1,8 m/**200 kg** (foundation box to be ordered separately) **with cable l=2,3 m.**

650R18BENCL

DC electromechanical gate operator with encoder. Maximum gate leaf 1,8 m/**200 kg** (foundation box to be ordered separately) **with cable l=5 m.**



**Accessories for
R18 series**
Page 92



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- for gates leaves up to 1,8 m
- low voltage DC gate operator
- optical encoder technology
- electromechanical motor

PROS:

- compact size
- virtually invisible, does not affect the design of the gate
- opening up to 360° with no additional accessories
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- auto-learning of the gate stroke through optical encoder



WATERTIGHT

The new watertight collar diverts rain water ensuring a complete and lasting protection.



OPENING UP TO 360°

The compact R18 gate operator is ideal where space is an issue.



MECHANICS OF EXCELLENCE

The last stage of reduction consists of a large carbon steel gear (MOD.3) coupled with a metal worm screw which safeguards its integrity in the event of a collision.

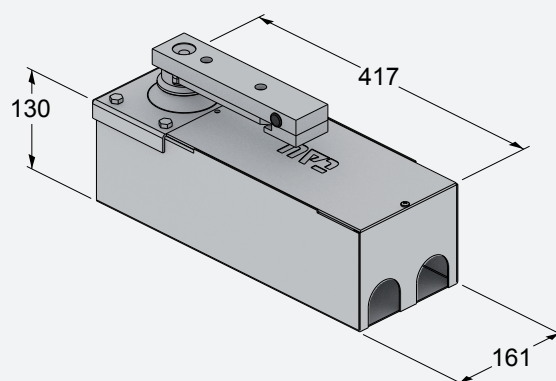


NO JUNCTIONS

The 2,3 or 5 meter cable allows to connect directly to the control unit without making junctions in the cable wells (one of the main causes of water infiltration).

Technical features	R18BENC/L
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	0,7 A
Power rating	120 W
Opening time 90°	13 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 67

TECHNICAL DRAWINGS





650R18

230 V electromechanical gate operator. Maximum gate leaf 1,8 m/**200 kg** (foundation box to be ordered separately) **with cable l=2,3 m.**

650R18L

230 V electromechanical gate operator. Maximum gate leaf 1,8 m/**200 kg** (foundation box to be ordered separately) **with cable l=5 m.**



**Accessories for
R18 series**
Page 92



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- for gates leaves up to 1,8 m
- 230 V gate operator
- electromechanical motor

PROS:

- compact size
- virtually invisible, does not affect the design of the gate
- opening up to 360° with no additional accessories
- manual release
- high torque and power



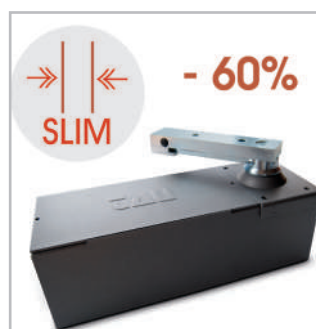
MECHANICS OF EXCELLENCE

The last stage of reduction consists of a large carbon steel gear (MOD.3) coupled with a metal worm screw which safeguards its integrity in the event of a collision.



OPENING UP TO 360°

The compact R18 gate operator is ideal where space is an issue.



UNIQUE IN THE MARKET

Small and compact foundation box (60% less than other underground gearmotors).

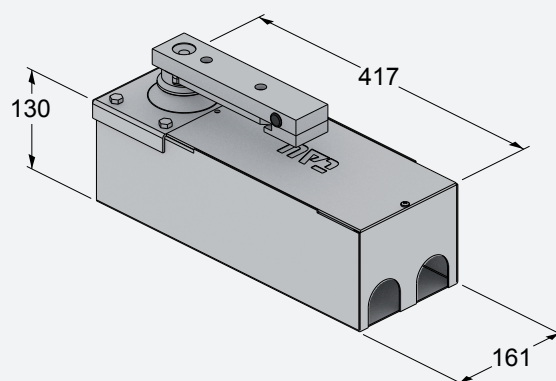


WATERTIGHT

The new watertight collar diverts rain water ensuring a complete and lasting protection.

Technical features	R18/L
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Open circuit voltage	1,3 A
Power rating	240 W
Opening time 90°	22 s
Duty cycle	32 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	160° C
Degree of protection IP	IP 67

TECHNICAL DRAWINGS





KIT

max.

1,8+1,8m

DC
MOTOR



INSIDEKITBL

Complete underground automation kit for gates up to 1,8 + 1,8 m, with two **650R18BENC** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=5$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



INSIDEKITBL2

Complete underground automation kit for gates up to 1,8 + 1,8 m, with two **650R18BENC** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=5$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



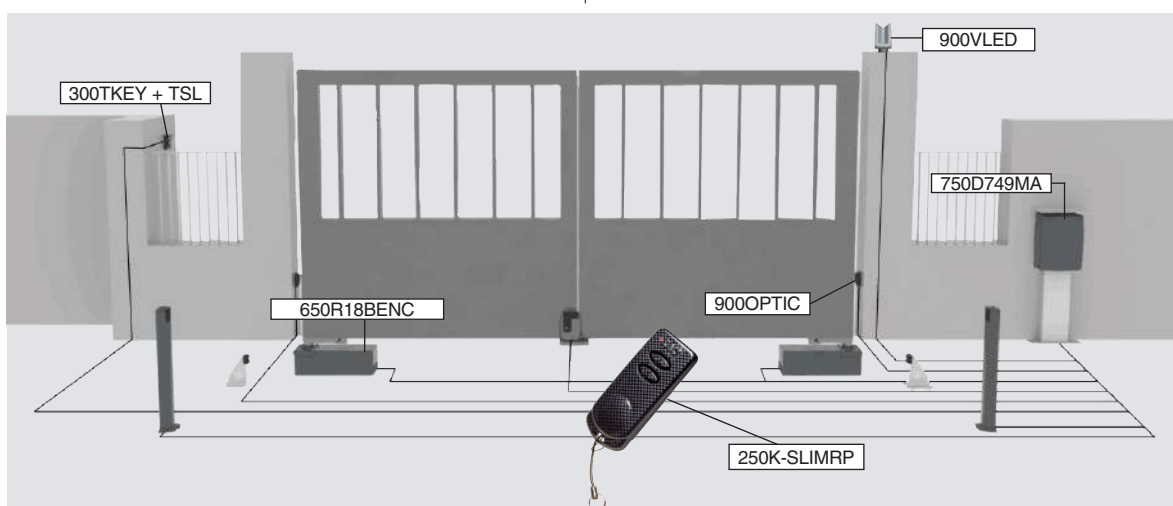
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

max.

1,8+1,8m

230 V



INSIDEKITL

Complete underground automation kit for gates up to 1,8 + 1,8 m, with two **650R18** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=5$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



INSIDEKITL2

Complete underground automation kit for gates up to 1,8 + 1,8 m, with two **650R18** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=5$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



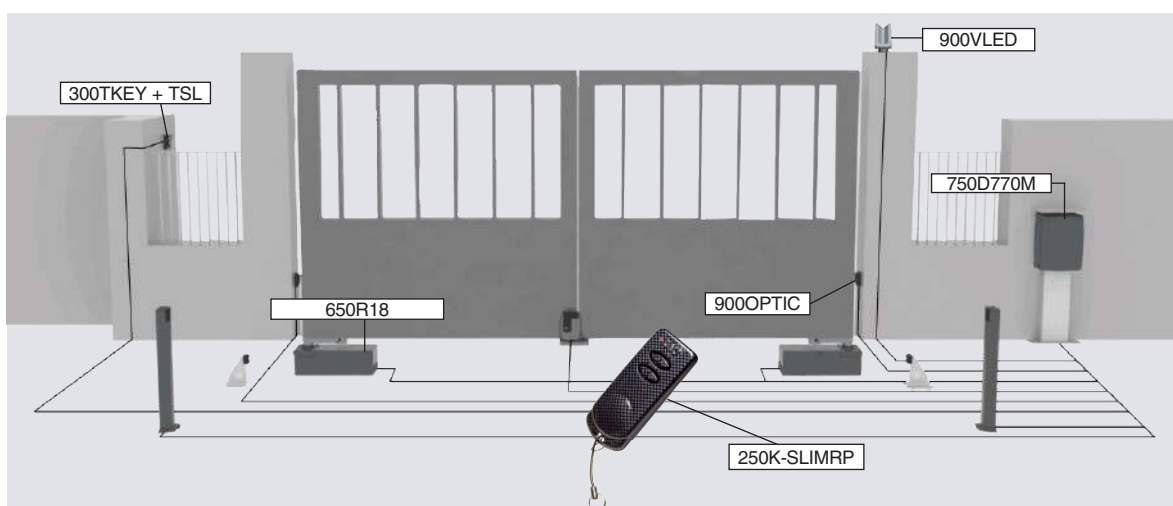
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



ACCESSORIES

COMMON ACCESSORIES



700CFR18CT
Cataphoresis steel foundation box
with release system



700CFR18X
Stainless steel foundation box **with**
release system



700BRC18
R18 Retrofit adapter arm



650KITFCR18
Mechanical closing limit switch for all R18
operators



650ESV1-2
Vertical electric lock recommended
for leaves longer than 3 m (1=LEFT -
2=RIGHT)



750CUP
Control unit enclosure protective lid



700BAP
Gate stopper for heavy leaves



700BAP2
Gate stopper wall/floor mount



700BAP1
Gate stopper for light leaves



250SM126
Memory card for 126 radio
codes



250SM254
Memory card for 254 radio
codes



250SM1022
Memory card for 1022 radio
codes



250T-WIFI
Device for Wi-Fi connection 2,4 GHz
to allow the smartphone to remotely
control and program the control units
via TauApp



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable
through Tau Open application, the use of
the smartphone remotely, to open/close
and check the status of the gate



900VLED
Low voltage 12-18-24 Volt white
led flashing light



900OPTIC
Set of infrared safety photocells,
12/24 V, surface mount, beam
alignment adjustable up to 15°,
up to 20 m range



900TOWERF
Photocell standard mounting post, painted
aluminium, 49 cm, with removable
cover for easy installation and photocell
adjustment



750COL
Control unit mounting
post

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



700GS5
Weatherproof cable connector for 5-core 12 V cable



200BATT
12 Volt Battery, 7,2 Ah with cable



M-030KITKB20
Battery cables kit (20 pcs)



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)



Use only M-030000CC50 cable or equivalent

230 VOLT ACCESSORIES



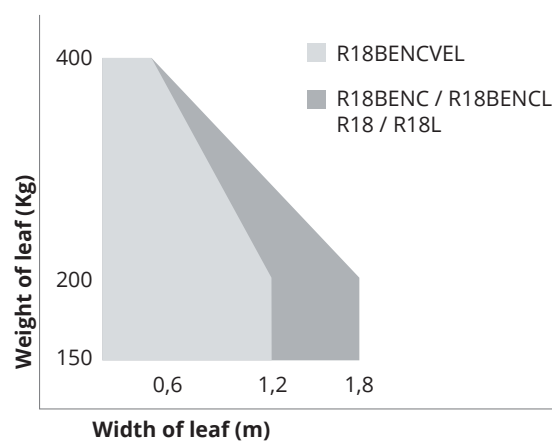
750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



700GS3
Weatherproof cable connector for 3-core 230 V cable

LIMIT TO USE*

*They refer to leaves with openings and not totally closed panels.



Use and maintenance manuals



R18



D749MA



D770M

R40

R40-R R40L-R



DC
MOTOR

Up to
3 m

Opening time
9 s



650R40-R

Fast DC underground operator with encoder with **2,3 m cable**. Maximum gate leaf sizes: **3 m/300 kg**. Foundation box to be **ordered separately**.

650R40L-R

Fast DC underground operator with encoder with **9 m cable**. Maximum gate leaf sizes: **3 m/300 kg**. Foundation box to be **ordered separately**.

750D749MA-R

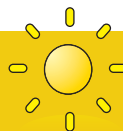
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit.



Accessories for R40 series
Page 102



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



HIGH SPEED

Ready for a new challenge.



+45% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family

R40-R e R40L-R opening time = 9 s



R30 e R30L opening time = 16,5 s



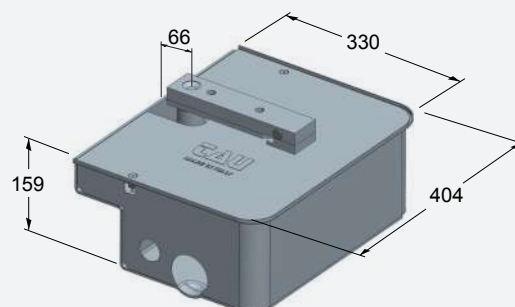
SAVE TIME

Technical features

R40/L-R

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,3 A
Power rating	300 W
Opening time 90°	9 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 67
Electronic control unit	D749MA-R

TECHNICAL DRAWINGS



R40

R40 R40L

DC
MOTOR

Up to
3,5 m

Opening time
13 s



650R40

DC electromechanical gate operator with encoder. Maximum gate leaf **3,5 m/400 kg** with **cable l=2,3 m** (foundation box to be **ordered separately**).

650R40L

DC electromechanical gate operator with encoder. Maximum gate leaf **3,5 m/400 kg** with **cable l=9 m** (foundation box to be **ordered separately**).



**Accessories for
R40 series**
Page 102



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/apartment building use
- for gates leaves up to 3,5 m
- low voltage DC gate operator
- optical encoder technology
- electromechanical motor
- protection degree IP67
- mechanical stops in opening and closing, as standard

PROS:

- virtually invisible, does not affect the design of the gate
- 110° door opening, extendable up to 180° with the optional specific kit (700KIT180R)
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even in case of a power cut thanks to the optional battery pack
- works even during power outage thanks to the optional backup battery
- intensive use, ideal for use on apartment buildings and public entrances
- watertight for reliable operation
- auto-learning of the gate stroke through optical encoder



WATERTIGHT

Guarantee of total and constant protection from rainwater over time thanks to the large perimeter rubber gasket.



MECHANICAL STOPS

Mechanical stops in opening and closing, as standard.



MAXIMUM FLUIDITY

The fluidity is guaranteed by the steel sphere which, by resting on the pivot of the box, limits its friction. The external grease nipple facilitates its maintenance.



LONG-LASTING

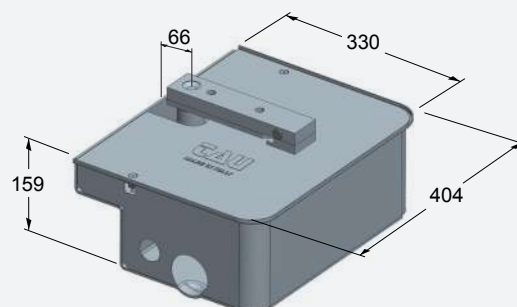
Large main gear MOD. 3, completely in carbon steel, extremely resistant and long-lasting.

TECHNICAL DRAWINGS

Technical features

R40/L

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1,3 A
Power rating	300 W
Opening time 90°	13 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 67



R30

R30 R30L

230 V

Up to
3,5 m

Opening time
16,5 s



650R30

230 V electromechanical gate operator. Maximum gate leaf **3,5 m / 400 kg** with **cable l=2,3 m** (foundation box to be **ordered separately**).

650R30L

230 V electromechanical gate operator. Maximum gate leaf **3,5 m / 400 kg** with **cable l=9 m** (foundation box to be **ordered separately**).



**Accessories for
R30 series**
Page 102



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- for gates leaves up to 3,5 m
- 230 V gate operator
- electromechanical motor
- protection degree IP67
- mechanical stops in opening and closing, as standard

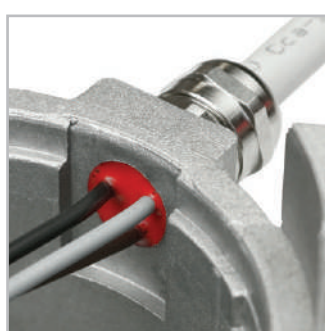
PROS:

- virtually invisible, does not affect the design of the gate
- suitable for large gates and non standard sized posts
- manual release
- high torque and power
- 110° door opening, extendable up to 180° with the optional specific kit (700KIT180R)
- watertight for reliable operation



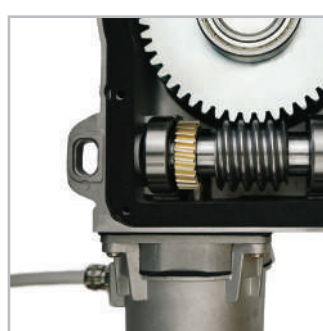
NO JUNCTIONS

The 2,3 or 9 meter cable allows to connect directly to the control unit without making junctions in the cable wells (one of the main causes of water infiltration).



RESIN

Even in the event of damage or wear to the cable or cable gland, the special epoxy resin prevents the infiltration of water.



LONG-LASTING

Large main gear MOD. 3, completely in carbon steel, extremely resistant and long-lasting.



MECHANICAL STOPS

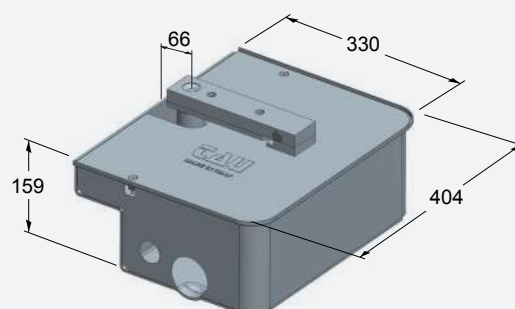
Mechanical stops in opening and closing, as standard.

TECHNICAL DRAWINGS

Technical features

R30/L

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Open circuit voltage	1,4 A
Power rating	260 W
Opening time 90°	16,5 s
Duty cycle	33 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	160° C
Degree of protection IP	IP 67





KIT

max.

3,5+3,5m

DC
MOTOR



KITR40

Complete underground automation kit for gates up to 3,5 + 3,5 m, with two **650R40** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=9$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal



KITR402

Complete underground automation kit for gates up to 3,5 + 3,5 m, with two **650R40** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=9$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



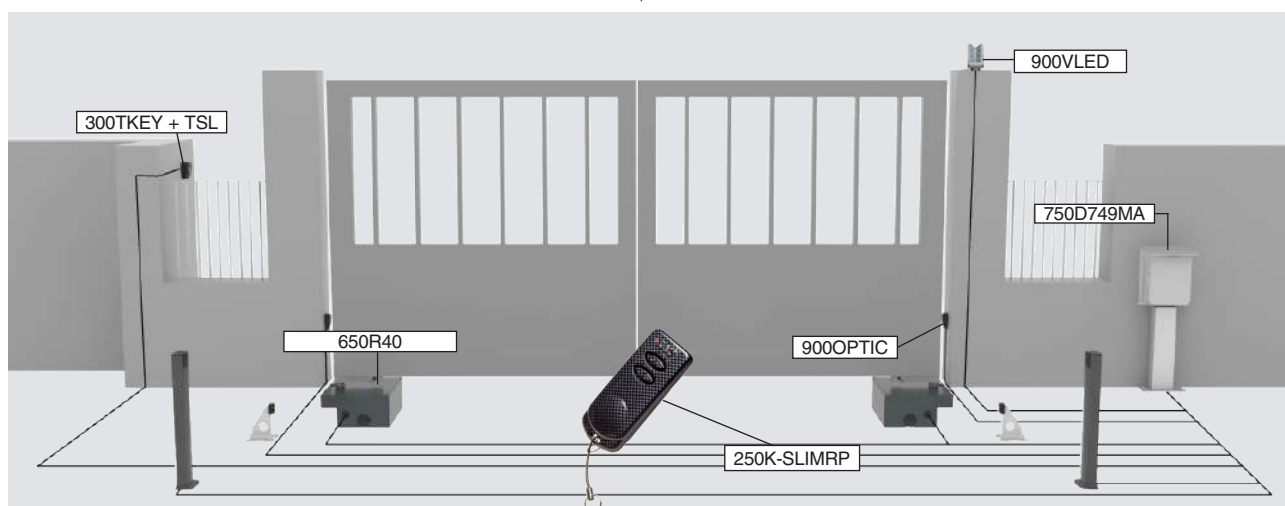
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal





KIT

max.

3,5+3,5m | 230 V

KITR30



Complete underground automation kit for gates up to 3,5 + 3,5 m, with two **650R30** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=9$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



300T-KEY + LED TSL

Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

KITR302



Complete underground automation kit for gates up to 3,5 + 3,5 m, with two **650R30** gate operators (1 with cable $l=2,3$ m + 1 with cable $l=9$ m). Foundation boxes to be ordered separately

Accessories included in the kit:



900VLED

Low voltage 12-18-24 Volt white led flashing light



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



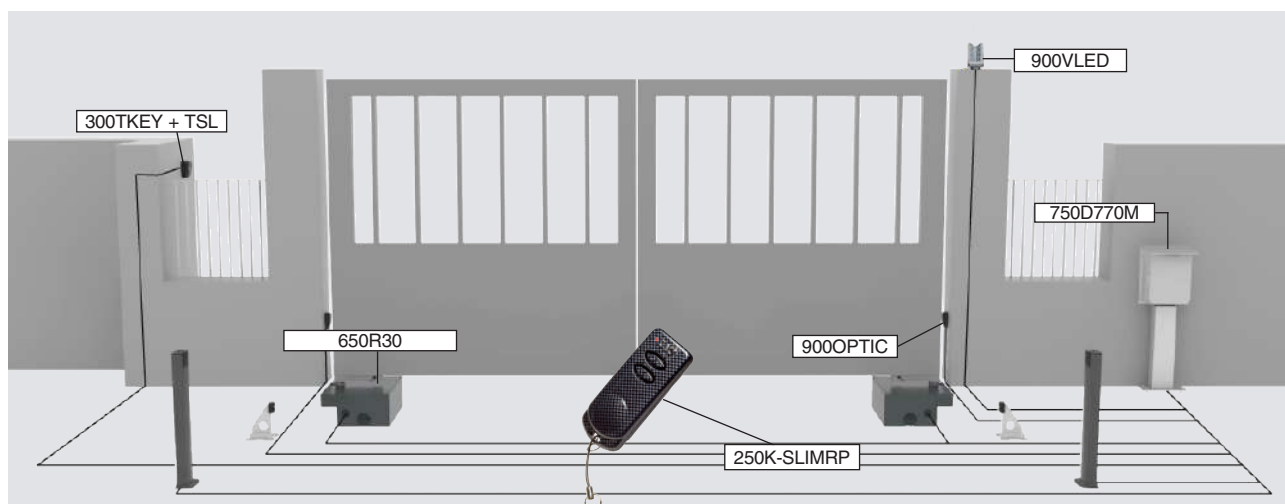
250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT

Warning signal

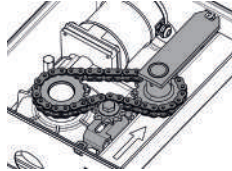


ACCESSORIES

COMMON ACCESSORIES



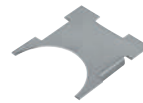
700CFCT
Cataphoresis steel foundation box with release system



700KIT180R
180° opening kit



700CFC
Hot-dip galvanized foundation box with release system



S-700CFR4060C
Stainless steel cover lid for foundation box



700CFX
Stainless steel foundation box with release system



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



700BAP2
Gate stopper wall/floor mount



700BAP
Gate stopper for heavy leaves



900VLED
Low voltage 12-18-24 Volt white led flashing light



700BAP1
Gate stopper for light leaves



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



750CUP
Control unit enclosure protective lid



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



750COL
Control unit mounting post

230 VOLT ACCESSORIES



750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



700GS3
Weatherproof cable connector for 3-core 230 V cable

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



700GS5
Weatherproof cable connector for 5-core 12 V cable



200BATT
12 Volt Battery, 7,2 Ah with cable



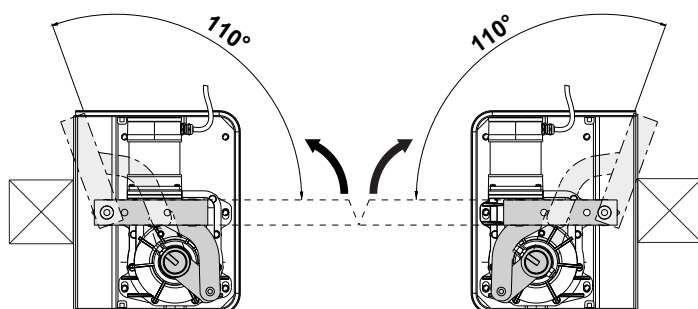
M-030KITKB20
Battery cables kit (20 pcs)



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)

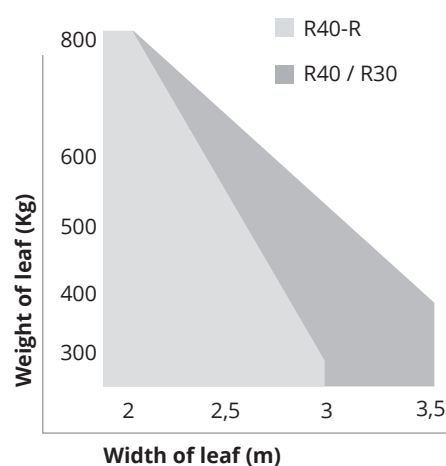
⚠ Use only M-030000CC50 cable or equivalent

DOOR OPENING DRAWING



LIMIT TO USE*

*They refer to leaves with openings and not totally closed panels.



Use and maintenance manuals



R30-R40



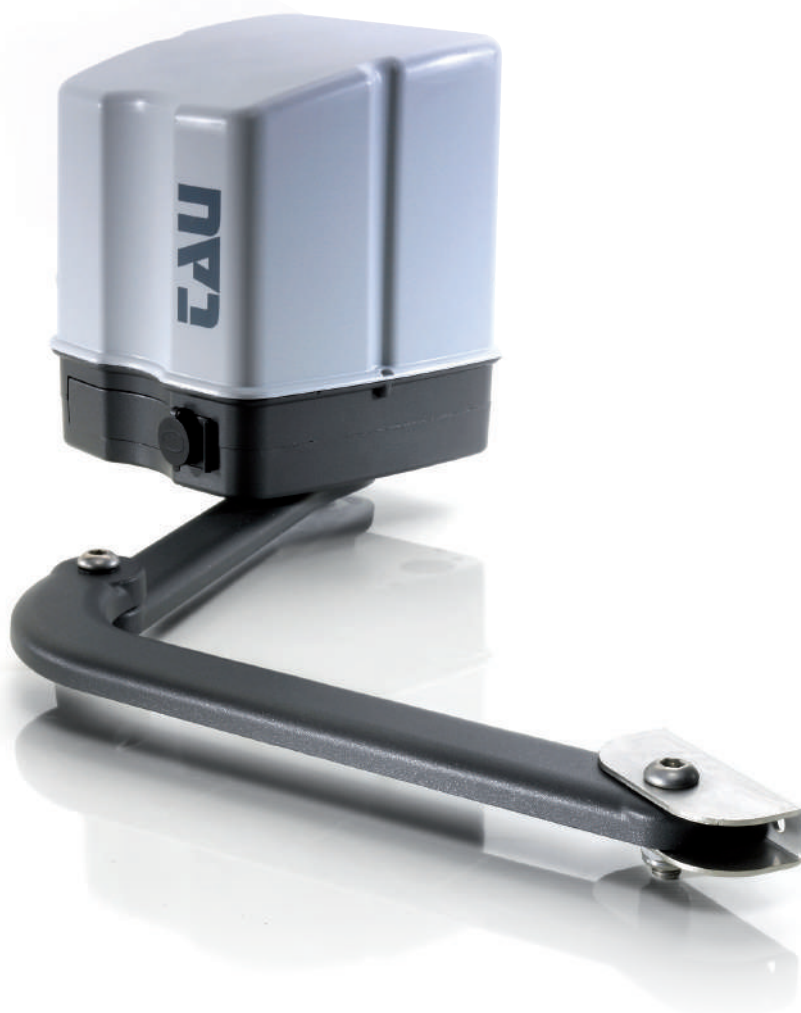
D749MA



D749MA-R



D770M

**650EASY12 DX - 650EASY12 SX**

DC right or left operator with encoder complete with hinged arm. Maximum gate leaf 2,3 m.

650EASY12QR DX - 650EASY12QR SX

DC right or left operator complete with built-in control unit, rolling code radio receiver and hinged arm. Maximum gate leaf 2,3 m.



Accessories for EASY series
Page 112



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- for gates leaves up to 2,3 m
- low voltage DC gate operator
- optical encoder technology
- electromechanical motor

PROS:

- compact size
- ideal for big posts
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- external emergency release available (optional, P/N 650ESE)
- auto-learning of the gate stroke through optical encoder



MANUAL RELEASE

Easy-to-operate manual release with key lock for the less skilled users. Optional external emergency release device.



ELECTRONIC CONTROL UNIT

Protected electronic control unit built-in the motor complete with radio receiver.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.

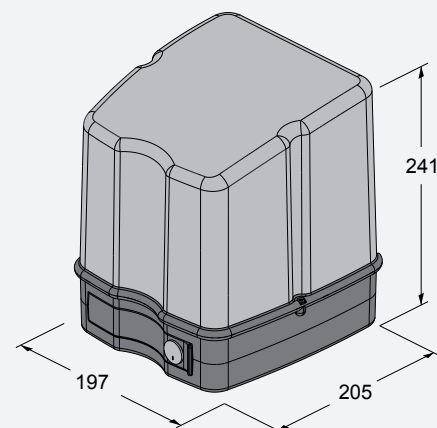


MOTOR

Low-voltage gearmotor, silent and suitable for intensive use.

TECHNICAL DRAWINGS

Technical features	EASY12	EASY12QR
Power supply	230 V AC (50 - 60 Hz)	
Motor power supply	18 V DC	
Open circuit voltage	0,5 A	
Power rating	120 W	
Opening time 90°	13 s	
Duty cycle	100 %	
Operating temperature	-20° C ÷ +55° C	
Motor thermal protection	-	
Degree of protection IP	IP 44	
Electronic control unit	-	D749MA



**650EASY-BR DX - 650EASY-BR SX**

Fast DC right or left operator with encoder complete with hinged arm. Maximum gate leaf 2,3 m.

650EASY-QBR DX - 650EASY-QBR SX

Fast DC right or left operator complete with built-in control unit, rolling code radio receiver and hinged arm. Maximum gate leaf 2,3 m.



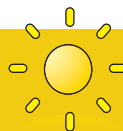
Accessories for EASY series
Page 112



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+45% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family

EASY-BR e EASY-QBR opening time = 9 s



EASY e EASYQR opening time = 16 s



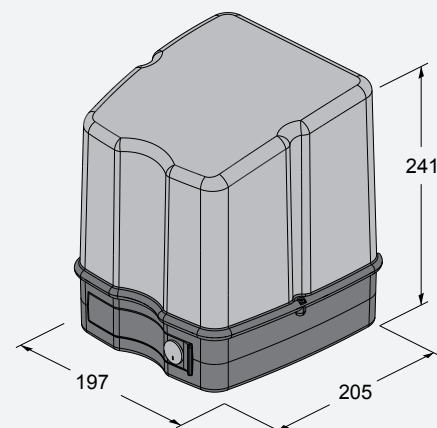
SAVE TIME

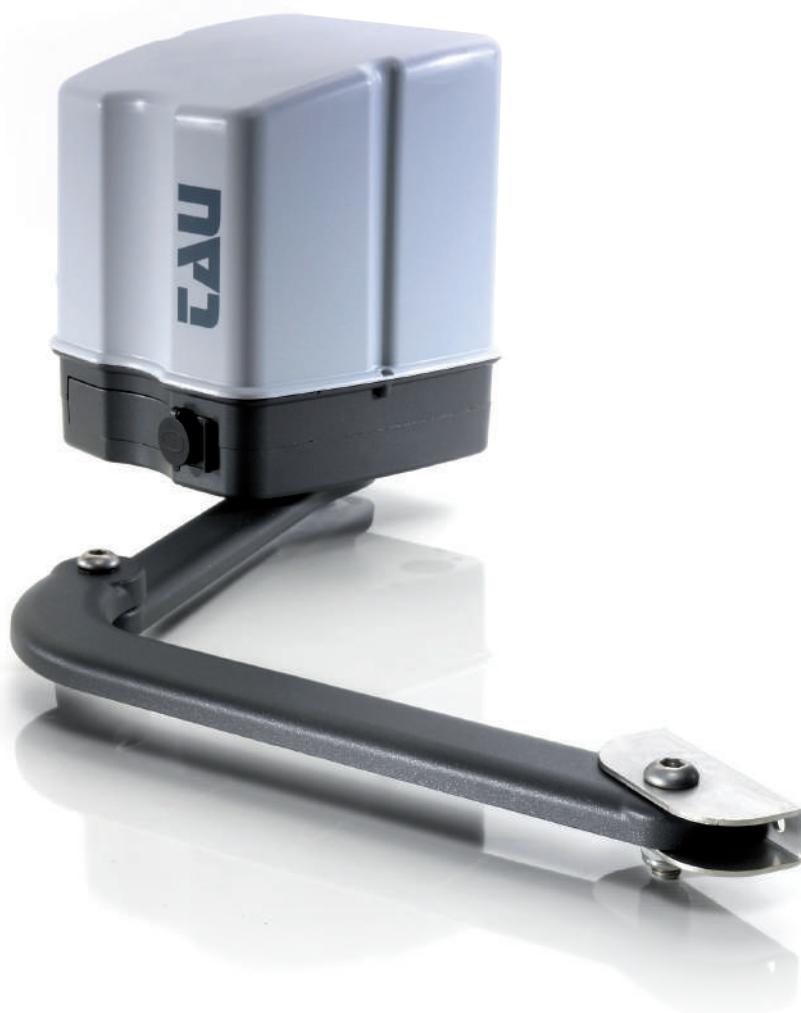
Technical features

EASY-BR

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	0,5 A
Power rating	120 W
Opening time 90°	9 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44
Electronic control unit	D749MA-R

TECHNICAL DRAWINGS



**650EASY DX - 650EASY SX**

230 V right or left operator with encoder complete with hinged arm. Maximum gate leaf 2,3 m.

650EASYQR DX - 650EASYQR SX

230 V right or left operator complete with built-in control unit, rolling code radio receiver and hinged arm. Maximum gate leaf 2,3 m.



Accessories for EASY series
Page 112



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- for gates leaves up to 2,3 m
- 230 V gate operator
- electronic control unit with built-in 433,92 MHz radio receiver (EASYQR)
- built-in electrical limit switches

PROS:

- compact size
- easy and intuitive installation
- ideal for big posts
- external emergency release available (optional, P/N 650ESE)



MANUAL RELEASE

Easy-to-operate manual release with key lock for the less skilled users. Optional external emergency release device.



ELECTRONIC CONTROL UNIT

Protected electronic control unit built-in the motor complete with radio receiver.



COMPACT

Extremely compact and small size motor that leaves the aesthetics of the gate unchanged.

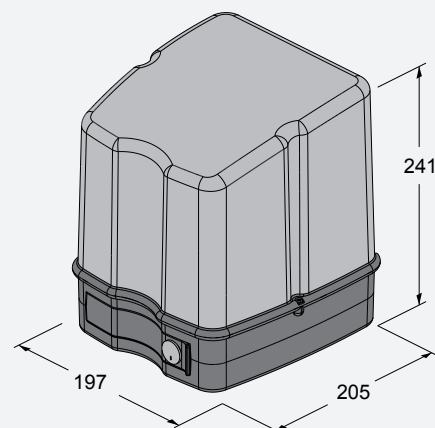


SILENT MOVEMENT

Full metal gears. Carbon steel and cast iron guarantee silence and sturdiness.

TECHNICAL DRAWINGS

Technical features	EASY	EASYQR
Power supply	230 V AC (50 - 60 Hz)	
Motor power supply	230 V AC	
Open circuit voltage	1,5 A	
Power rating	275 W	
Opening time 90°	16 s	
Duty cycle	32 %	
Operating temperature	-20° C ÷ +55° C	
Motor thermal protection	150° C	
Degree of protection IP	IP 44	
Electronic control unit	-	D727M





KIT

max.
2,3+2,3m

**DC
MOTOR**



EASYKIT03CL

Complete double arm automation kit for gates up to 2,3 + 2,3 m, with one **650EASY12QR** and one **650EASY12** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



EASYKIT03CL2

Complete double arm automation kit for gates up to 2,3 + 2,3 m, with one **650EASY12QR** and one **650EASY12** gate operators

Accessories included in the kit:



900VLED Low voltage 12-18-24 Volt white led flashing light



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



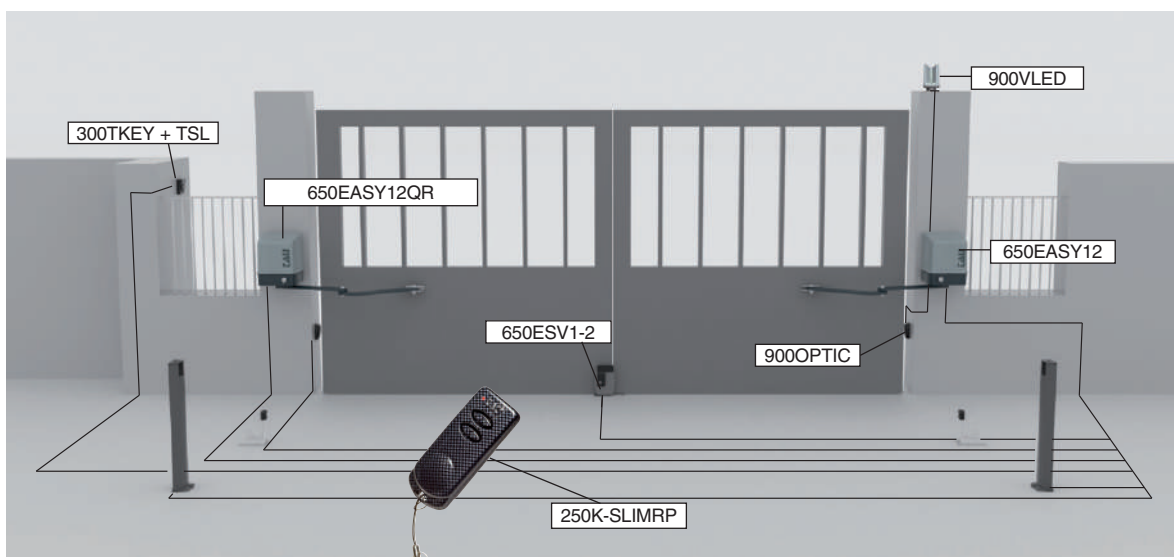
250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal





KIT

max.

2,3+2,3m | 230 V



EASYKIT02L

Complete double arm automation kit for gates up to 2,3 + 2,3 m, with one **650EASYQR** and one **650EASY12** gate operators

Accessories included in the kit:



900VLED-AT 230 V AC white led flashing light



300T-KEY + LED TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



EASYKIT02L2

Complete double arm automation kit for gates up to 2,3 + 2,3 m, with one **650EASYQR** and one **650EASY12** gate operators

Accessories included in the kit:



900VLED-AT 230 V AC white led flashing light



900OPTIC Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



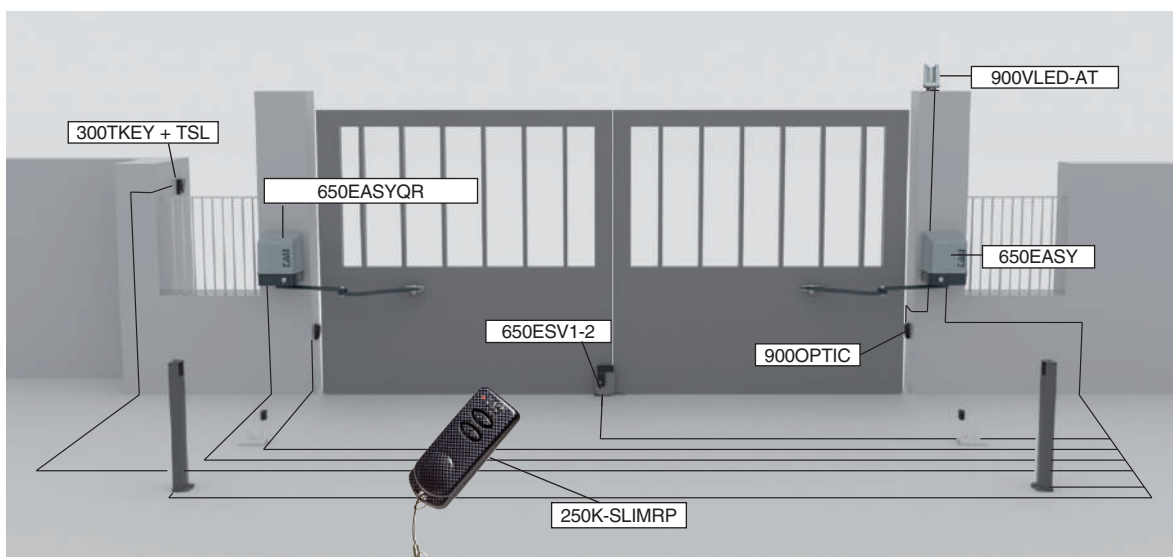
250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



ACCESSORIES

COMMON ACCESSORIES



650KITCEASY
"Easy" mechanic limit switches kit



150KITBAI
Easy arm joint for sloping doors



650BRCE1
Straight arm with driving track



700BAP
Gate stopper for heavy leaves



700BAP1
Gate stopper for light leaves



700BAP2
Gate stopper wall/floor mount



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



650ESE
External emergency release device with tamper-proof housing and 5 m cable



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



750COL
Control unit mounting post

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



200KBE
Back-up battery kit



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)

Use only M-030000CC50 cable or equivalent



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp

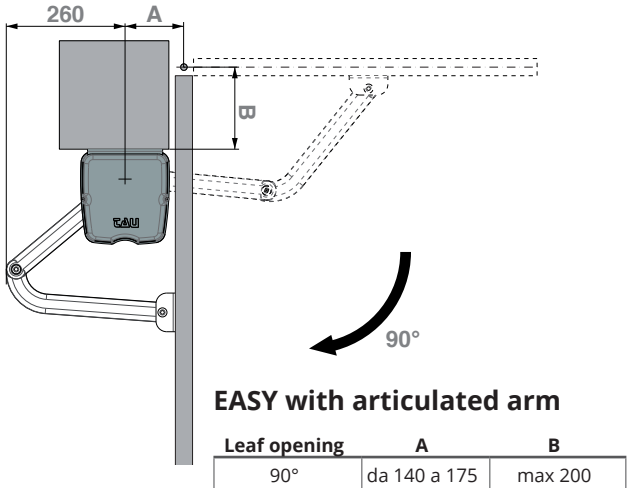


250T-CONNECT
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

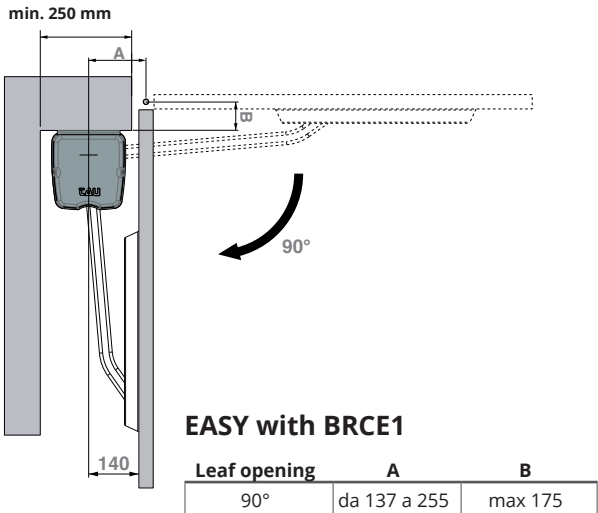
NEW

INSTALLATION SIZES (MM)

EASY - Installation (mm)

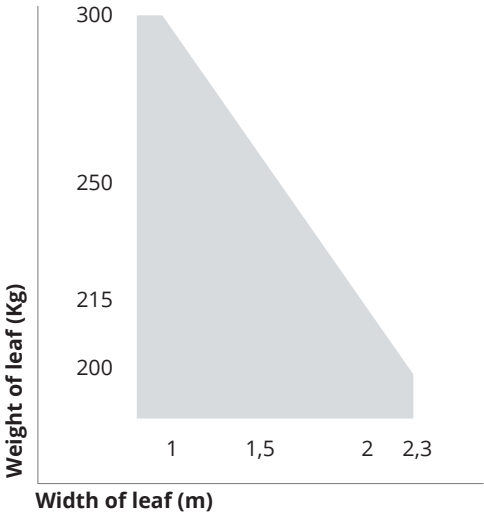


BRCE1 - Installation (mm)



LIMIT TO USE*

*They refer to leaves with openings and not totally closed panels.



Use and maintenance manuals



EASY



D749MA



D749MA-R



D770M

**650ZIP12**

DC electromechanical gate operator. Maximum gate leaf
3,5 m.



**Accessories for
ZIP series**
Page 118



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242



AVAILABLE



MADE IN
ITALY

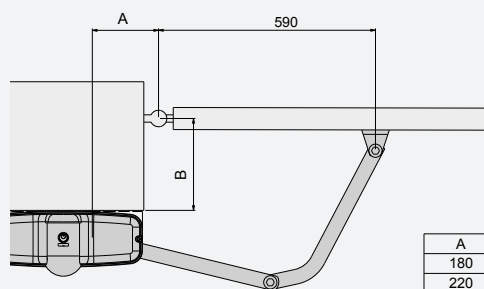
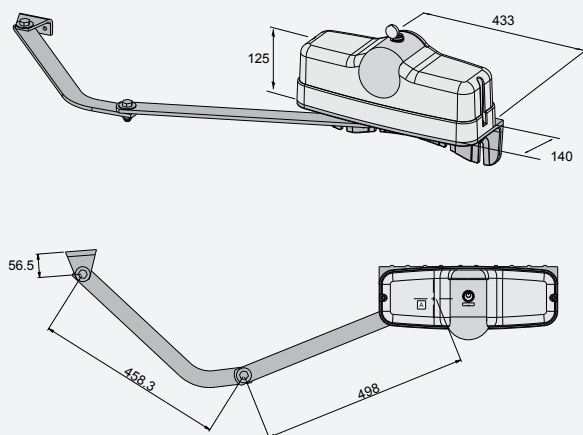
FEATURES:

- residential/apartment building use
- for gates leaves up to 3,5 m
- low voltage DC gate operator
- optical encoder technology
- electromechanical motor
- external cable release, as standard

PROS:

- ideal for big posts
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- auto-learning of the gate stroke through optical encoder

TECHNICAL DRAWINGS



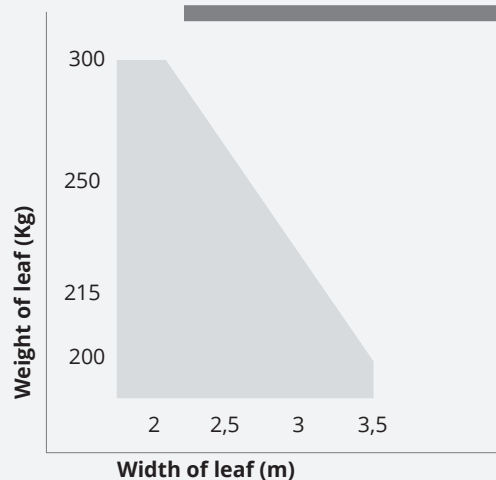
A	B
180	20 - 300
220	250 - 300

Technical features

ZIP12

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1 A
Power rating	250 W
Opening time 90°	8 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44

LIMIT TO USE



*They refer to leaves with openings and not totally closed panels.

**650ZIP**

230 V electromechanical gate operator. Maximum gate leaf 3,5 m.



Accessories for ZIP series
Page 118



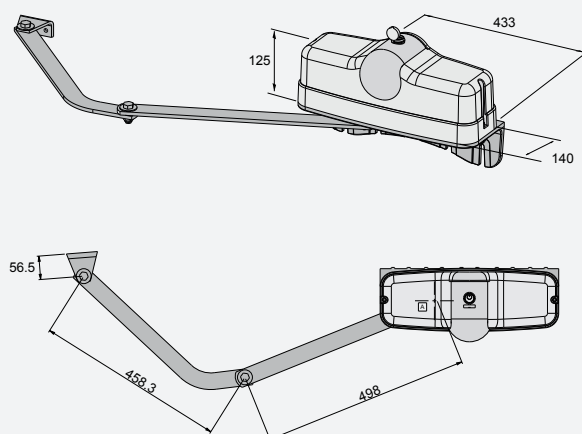
Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

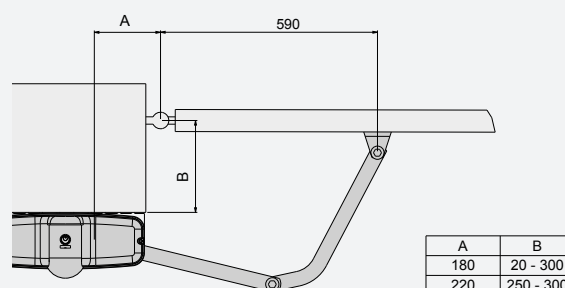
- residential/industrial use
- for gates leaves up to 3,5 m
- 230 V gate operator
- electromechanical motor
- built-in electrical limit switches
- external cable release, as standard

PROS:

- easy and intuitive installation
- ideal for big posts
- high torque and power



TECHNICAL DRAWINGS

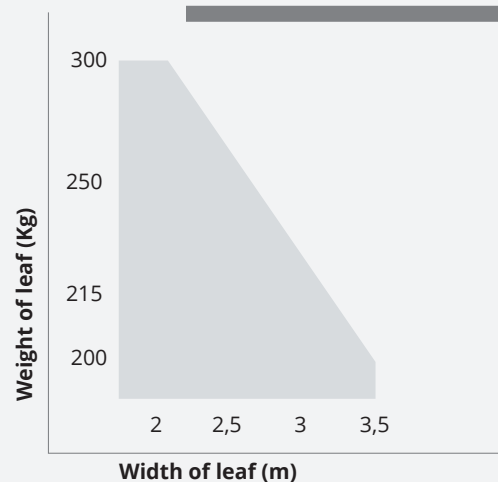


Technical features

ZIP

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Open circuit voltage	1 A
Power rating	190 W
Opening time 90°	13 s
Duty cycle	50 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	150° C
Degree of protection IP	IP 44

LIMIT TO USE



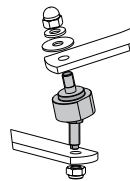
*They refer to leaves with openings and not totally closed panels.

ACCESSORIES

COMMON ACCESSORIES



650BRCE2
Straight arm with driving track



150KITBAI
Zip arm joint for sloping doors



700BAP1
Gate stopper for light leaves



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



700BAP2
Gate stopper wall/floor mount



700BAP
Gate stopper for heavy leaves



900VLED
Low voltage 12-18-24 Volt white led flashing light



C-TARG
Aluminium CE Mark Label, self adhesive



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



750CUP
Control unit enclosure protective lid



250SM126
Memory card for 126 radio codes



750COL
Control unit mounting post

250SM254
Memory card for 254 radio codes

250SM1022
Memory card for 1022 radio codes

12/18/24 VOLT ACCESSORIES



750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)

⚠ Use only M-030000CC50 cable or equivalent



200BATT
12 Volt Battery, 7,2 Ah



M-030KITKB20
Battery cables kit (20 pcs)

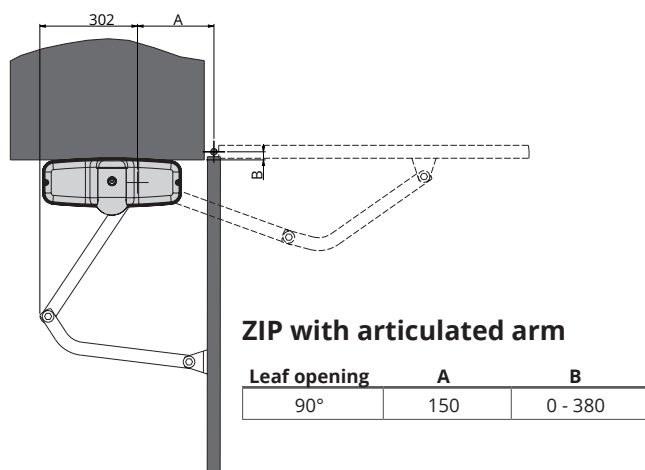
230 VOLT ACCESSORIES



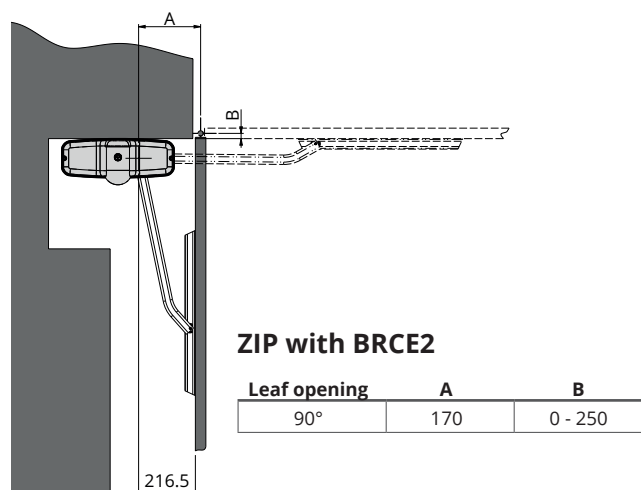
750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

INSTALLATION SIZES (MM)

ZIP - Installation (mm)



BRCE2 - Installation (mm)



Use and maintenance manuals



ZIP



D749MA



D770M



650ZIPPO

230 V electromechanical gate operator. Maximum gate leaf 3 m.

650ZIPPOB

DC electromechanical gate operator. Maximum gate leaf 3 m.



Accessories for ZIPPO series
Page 126



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/industrial use
- for gates leaves up to 3 m
- 12/230 V gate operator
- electromechanical motor
- easy and intuitive installation
- ideal for small sizes pillars

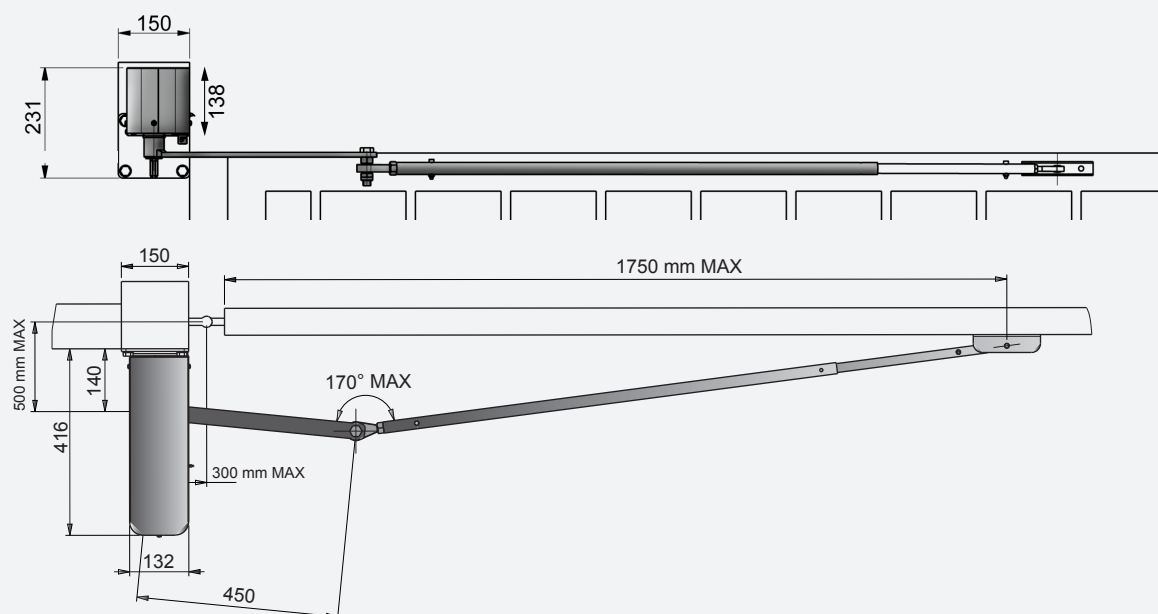
PROS 12 V:

- optical encoder technology
- DC operator
- obstacle detection and crush prevention

PROS 230 V:

- built-in electrical limit switches
- high torque and power

TECHNICAL DRAWINGS



Technical features	ZIPPO	ZIPPOB
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC	18 V DC
Absorption	1 A	1 A
Power rating	190 W	250 W
Opening time 90°	8-13 s	7-11 s
Duty cycle	50 %	100%
Operating temperature	-20° C ÷ +55° C	-20°C +55°C
Motor thermal protection	150° C	-
Degree of protection IP	IP 44	IP 44

**650ZIPPOXL**

230 V electromechanical gate operator. Maximum gate leaf 4 m.

650ZIPPOXLB

DC electromechanical gate operator. Maximum gate leaf 4 m.



**Accessories for
ZIPPO series**
Page 126



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential/industrial use
- for gates leaves up to 4 m
- 12/230 V gate operator
- electromechanical motor
- easy and intuitive installation
- ideal for applications on large pillars

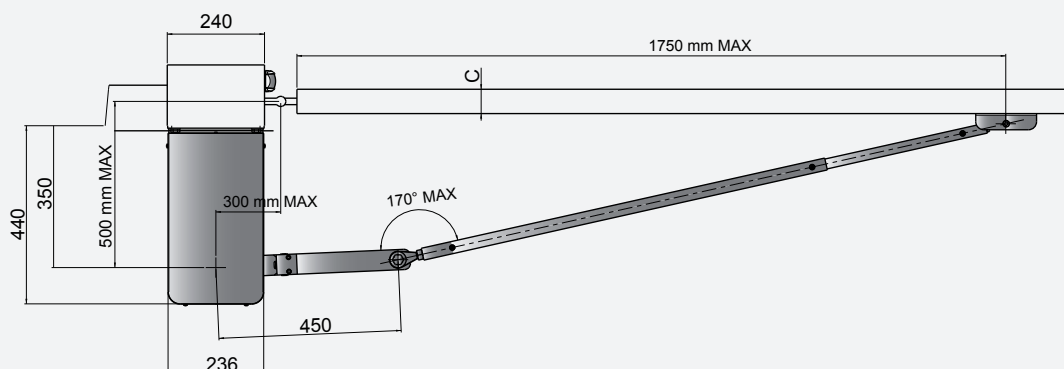
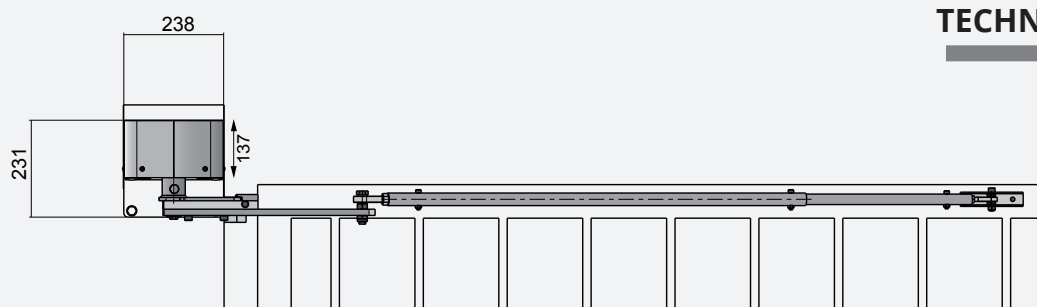
PROS 12 V:

- optical encoder technology
- DC operator
- obstacle detection and crush prevention

PROS 230 V:

- built-in electrical limit switches
- high torque and power

TECHNICAL DRAWINGS



Technical features	ZIPPOXL	ZIPPOXLB
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC	18 V DC
Absorption	1,4 A	1,3 A
Power rating	260 W	300 W
Opening time 90°	16,5 s	16,5 s
Duty cycle	50 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	160° C	160° C
Degree of protection IP	IP 44	IP 44

ARTICULATED ARM OPERATOR

ZIPPO XL

XLB-R



DC
MOTOR

Up to
4 m

Opening time
10 s



650ZIPPOXLB-R

24 V DC electromechanical gate operator. Maximum gate leaf 4 m.

750D749MA-R

Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit.



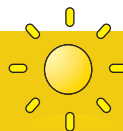
**Accessories for
ZIPPO series**
Page 126



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+40% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



PROTECT YOUR FAMILY

Closes the gate quickly to protect your family

650ZIPPOXLB-R opening time = 10 s



ZIPPOXL opening time = 16,5 s



SAVE TIMES

Technical features

ZIPPOXLB-R

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Absorption	1,5 A
Power rating	300 W
Opening time 90°	10 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	160° C
Degree of protection IP	IP 44
Electronic control unit	D749MA-R

ACCESSORIES

COMMON ACCESSORIES



700BAP
Gate stopper for heavy leaves



700BAP1
Gate stopper for light leaves



700BAP2
Gate stopper wall/floor mount



650ESV1-2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



300TCODE
Cable digital keyboard with backlit keys and BUS signal transmission



C-TARG
C-TARG Aluminium CE Mark Label, self adhesive



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



250SM126
Memory card for 126 radio codes

250SM254
Memory card for 254 radio codes

250SM1022
Memory card for 1022 radio codes



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



900VLED
Low voltage 12-18-24 Volt white led flashing light



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



900PIVOTL
Set of two adjustable photocells with temporary and fixed courtesy light



250S-4RP
Four-channel transmitter, rolling code technology, 433,92 MHz



750CUP
Control unit enclosure protective lid



750COL
Control unit mounting post

12/18/24 VOLT ACCESSORIES



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R

Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



200BATT

12 Volt Battery, 7,2 Ah



M-030KITKB20

Battery cables kit (20 pcs)



M-030000CC50

Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)



Use only M-030000CC50 cable or equivalent

230 VOLT ACCESSORIES



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

Use and maintenance manuals



ZIPPOXL



ZIPPO



D749MA



D749MA-R



D770M

GARAGE DOORS



TSKY garage
operator

Pag. 132

SPIN garage
operator

Pag. 140

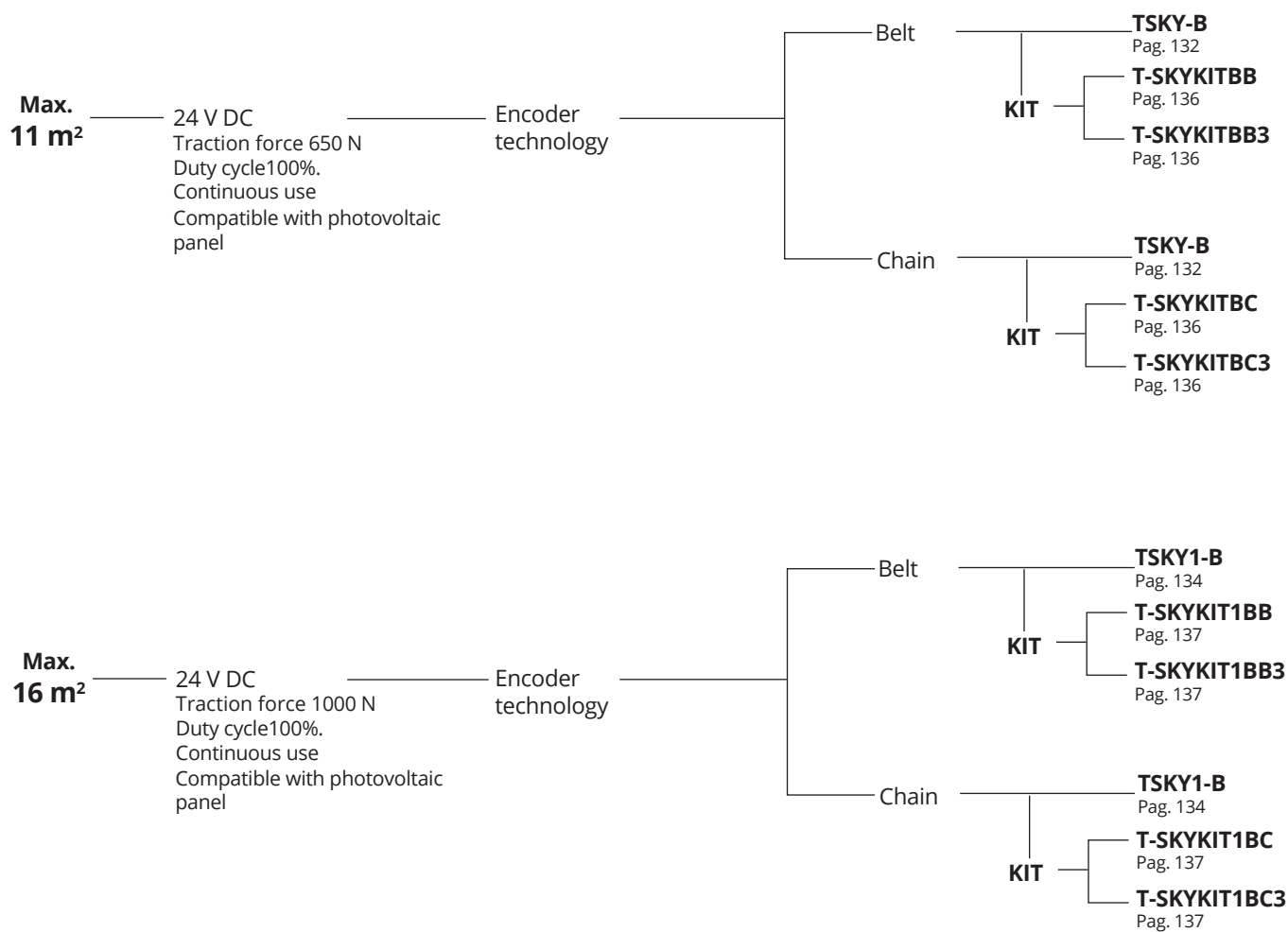


SELECTION GUIDE

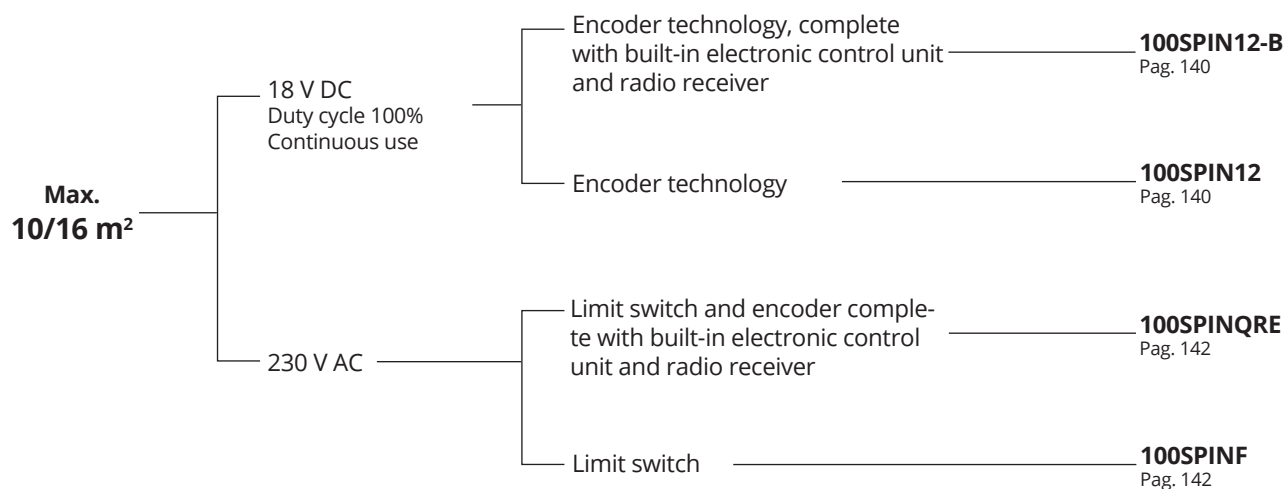
Garage door operator for residential use



➤ All kits are complete with drive rail and remote control mod. 250K-SLIMRP



Garage door operator for residential / apartment building use



GARAGE OPERATOR

TSKY-B

(Traction force 650 N)

DC
MOTOR

Sectional and up-
and-over garage
doors up to 11 m²

Speed
0,20 m/s



100TSKY-B

NEW

DC garage operator (traction force 650 N) for sectional and up-and-over garage doors. Complete with built-in control unit with BUS technology included.



**Accessories for
TSKY series**
Page 138



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential use
- traction force 650 N
- low voltage DC garage door opener
- optical encoder technology
- electronic control unit with built-in radio receiver
- built-in battery charger
- manual release mechanism

PROS:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- intensive use
- 90° installation of the motor unit possible thanks to the adjusting head of the operator
- pre-programmed electronic control unit
- exclusive "push & flip" opening system
- auto-learning of the door stroke through magnetic encoder



TAMPER-PROOF SYSTEM (Optional)

The anti-lift device is operating in mechanical way, so, even without power supply, is automatically activated when there is an outside intrusion attempt. (150AETSKY).



PUSH AND FLIP

Thanks to the exclusive "push and flip" opening system, the control panel is easily accessible.



FAST AND EASY INSTALLATION

The rail group, already mounted with belt driven or chain, is completely independent from the gearmotor. You will only need to plug the motor itself on the rail.



AUTOMATION UNDER CONTROL

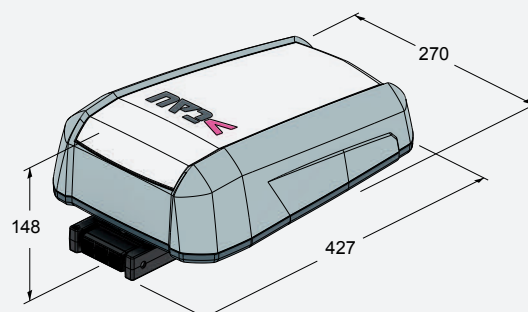
The magnetic encoder allows the limit switch control and the obstacle detection. The 433.92 MHz radio receiver (stores up to 30 transmitters with "Rolling Code" technology - can not be cloned) and the 2-channel transmitter complete the standard kit.

TECHNICAL DRAWINGS

Technical features

TSKY-B

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,3 A
Power rating	250 W
Max. operating speed	0,20 m/s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 40
Traction force	650 N
Electronic control unit	K995MA-S



GARAGE OPERATOR **TSKY1-B**

(Traction force 1000 N)

DC
MOTOR

Sectional and up-
and-over garage
doors up to 16 m²

Speed
0,20 m/s



100TSKY1-B

NEW

DC garage operator (traction force 1000 N) for sectional and up-and-over garage doors. Complete with built-in control unit with BUS technology included.



**Accessories for
TSKY series**
Page 138



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential use
- traction force 1000 N
- low voltage DC garage door opener
- optical encoder technology
- electronic control unit with built-in radio receiver
- built-in battery charger
- manual release mechanism

PROS:

- higher torque
- ideal for large garage doors
- in accordance with EN 12453 standards
- intensive use
- 90° installation of the motor unit possible thanks to the adjusting head of the operator
- pre-programmed electronic control unit
- exclusive "push & flip" opening system
- auto-learning of the door stroke through magnetic encoder



POSSIBILITY OF 90° INSTALLATION

To make up for the lack of space, the motor can be installed turned by 90° (right or left) with respect to the rail.



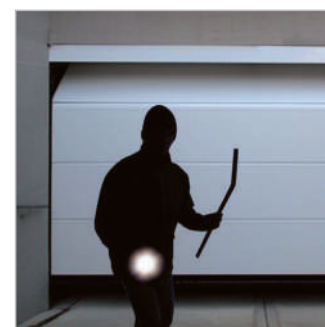
FAST AND EASY INSTALLATION

The rail group, already mounted with belt driven or chain, is completely independent from the gearmotor. You will only need to plug the motor itself on the rail.



AUTOMATION UNDER CONTROL

The magnetic encoder allows the limit switch control and the obstacle detection. The 433.92 MHz radio receiver (stores up to 30 transmitters with "Rolling Code" technology – can not be cloned) and the 2-channel transmitter complete the standard kit.



TAMPER-PROOF SYSTEM (Optional)

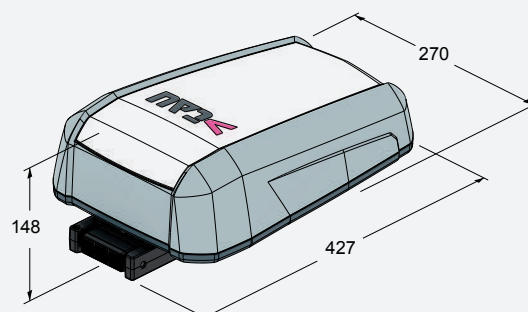
The anti-lift device is operating in mechanical way, so, even without power supply, is automatically activated when there is an outside intrusion attempt. (150AETSKY).

TECHNICAL DRAWINGS

Technical features

TSKY1-B

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1,5 A
Power rating	300 W
Max. operating speed	0,20 m/s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 40
Traction force	1000 N
Electronic control unit	K995MA-S





KIT

**DC
MOTOR**

**Up to
650 N**

Belt drive rail kit

T-SKYKITBB



Complete kit with DC gearmotor (traction force 650 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINBELT Belt drive rail (single piece of 2900 mm)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



T-SKYKITBB3

Complete kit with DC gearmotor (traction force 650 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINBELT3 Belt drive rail (3 pieces of 1 m each)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz

Chain drive rail kit

T-SKYKITBC



Complete kit with DC gearmotor (traction force 650 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINCHAIN Chain drive rail (single piece of 2900 mm)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



T-SKYKITBC3

Complete kit with DC gearmotor (traction force 650 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINCHAIN3 Chain drive rail (3 pieces of 1 m each)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



KIT

DC MOTOR

Up to
1000 N

Belt drive rail kit

T-SKYKIT1BB



Complete kit with DC gearmotor (traction force 1000 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINBELT Belt drive rail (single piece of 2900 mm)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



T-SKYKIT1BB3

Complete kit with DC gearmotor (traction force 1000 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINBELT3 Belt drive rail (3 pieces of 1 m each)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz

Chain drive rail kit

T-SKYKIT1BC



Complete kit with DC gearmotor (traction force 1000 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINCHAIN Chain drive rail (single piece of 2900 mm)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



T-SKYKIT1BC3

Complete kit with DC gearmotor (traction force 1000 N) for sectional doors and up-and-over doors

Accessories included in the kit:



100BINCHAIN3 Chain drive rail (3 pieces of 1 m each)



250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz

ACCESSORIES

ASSEMBLY ACCESSORIES

Belt drive rail



100BINBELT
Belt drive rail (single piece of 2900 mm)

100BINBELT3
Belt drive rail (3 pieces of 1 m each)

100BINBELT350
Belt drive rail (single piece of 3500 mm)

NEW

100BINBELT4
Belt drive rail (single piece of 4000 mm)

NEW



100PROB
1 m extension belt drive rail

Chain drive rail



100BINCHAIN
Chain drive rail (single piece of 2900 mm)

100BINCHAIN3
Chain drive rail (3 pieces of 1 m each)

100BINCHAIN350
Chain drive rail (single piece of 3500 mm)

NEW

100BINCHAIN4
Chain drive rail (single piece of 4000 mm)

NEW



100PROC
1 m extension chain drive rail

COMMON ACCESSORIES



100BANT
Adapter for up-and-over garage doors



150AETSKY
Anti-burglary system



100BINSUPP
Set of additional fixing brackets



150SE
External release system to be used together with existing handle. Can be combined with: 100BANT



150SETSKY
External emergency release for sectional door



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



900CUBEBUS NEW
Wall-mounted white led flashing light with BUS technology



900OPTICBUS NEW
Set of surface mount infrared safety photocells, 12/24 V with BUS technology



300TCODEBUS
Cable digital keyboard with BUS signal transmission to be connected directly to the control unit



300TKEYBUS NEW
Die-cast aluminium key switch with BUS technology

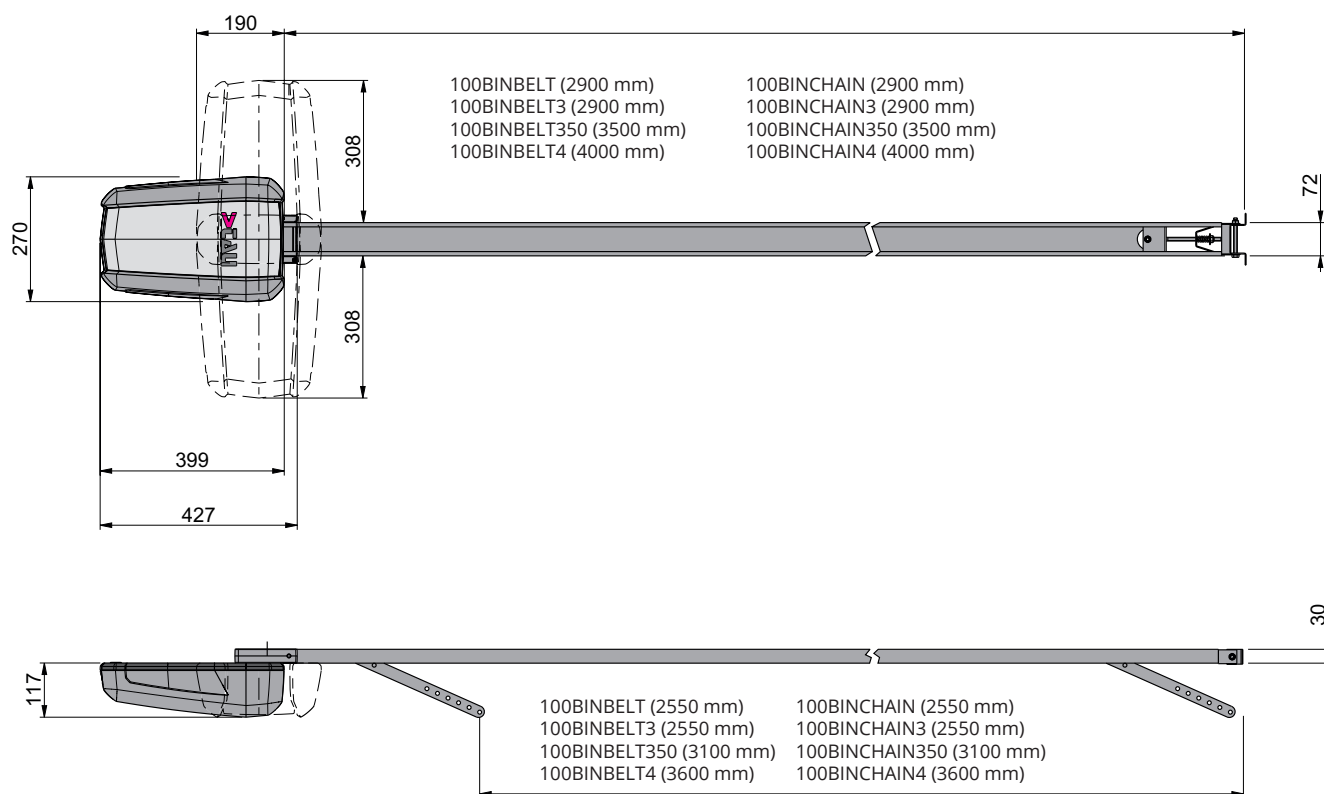


200SWITCHBUS NEW
Connection interface for open/close/stop keys with BUS technology

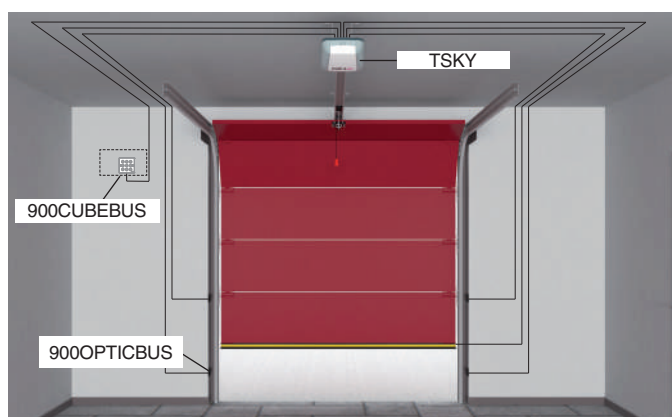


200T-CHARGE NEW
Battery and battery charger to be powered at 230 V for the control unit K995MA-B/S

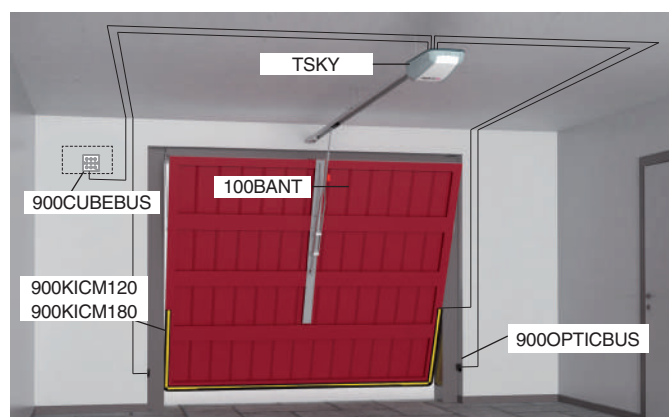
TECHNICAL DRAWINGS



SECTIONAL GARAGE TYPICAL SYSTEM



UP-AND-OVER GARAGE TYPICAL SYSTEM



Use and maintenance
manuals



TSKY-B



K995MA-S

GARAGE OPERATOR

SPIN

12-B 12

DC
MOTOR

Up-and-over
garage doors
up to 10/16 m²

Opening in
11 s



100SPIN12-B

NEW

DC garage door opener with encoder, complete with built-in electronic control unit with BUS technology and 433,92 MHz two-channel radio receiver.

100SPIN12

DC garage door opener.



**Accessories for
SPIN series**
Page 144



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/apartment building use
- low voltage DC motor
- optical encoder technology
- electronic control unit with built-in radio receiver
- manual release mechanism
- courtesy light with time delay
- built-in open/close buttons (SPIN12-B)

VANTAGGI:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use
- soft stop
- irreversible gate operator
- small and compact to grant the widest opening of the garage door
- auto-learning of the door stroke through optical encoder



PRACTICALITY OF USE

The door opener with built-in electronic control unit features two pushbuttons to open/close the door from the inside, as well as an efficient courtesy light with time delay.



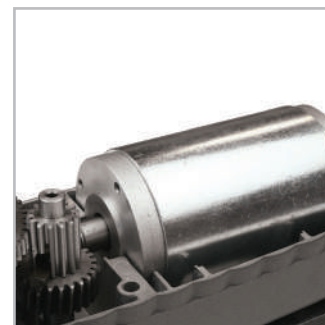
EASY INSTALLATION

Quick and easy installation thanks to the built-in electronic control unit (no visible wires).



GEARS

A reduction of seven gears, entirely of carbon steel, guarantees absolute torque and resistance.

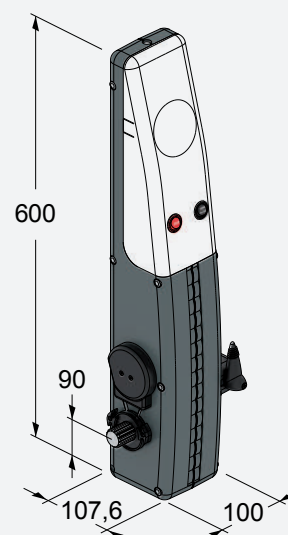


MOTOR

Low-voltage gearmotor, silent and suitable for intensive use.

TECHNICAL DRAWINGS

Technical features	SPIN12	SPIN12-B
Power supply	230 V AC (50 - 60 Hz)	
Motor power supply	18 V DC	
Open circuit voltage	0,9 A	
Power rating	200 W	
Opening time 90°	11 s	
Duty cycle	100 %	
Operating temperature	-20° C ÷ +55° C	
Motor thermal protection	-	
Degree of protection IP	IP 40	
Max. door surface	10 m² with one operator - 16 m² with two operator	
Electronic control unit	-	K995MA-B



**100SPINQRE**

230 V garage door opener with limit switch and encoder complete with built-in electronic control unit and 433,92 MHz two-channel radio receiver.

100SPINF

230 V garage door opener with limit switch.



**Accessories for
SPIN series**
Page 144



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential use
- 230 V motor
- built-in limit switch
- electronic control unit with built-in radio receiver
- manual release mechanism
- courtesy light with time delay
- built-in open/close buttons (SPINQRE)

PROS:

- semi-intensive use
- in accordance with EN 12453 standards
- higher torque and power
- encoder for obstacle detection and crush prevention
- irreversible gate operator
- small and compact to grant the widest opening of the garage door



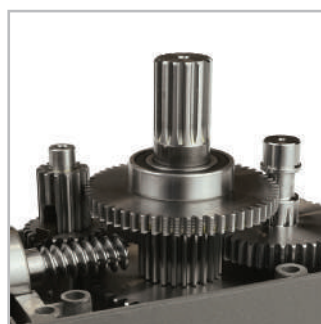
PRACTICALITY OF USE

The door opener with built-in electronic control unit features two pushbuttons to open/close the door from the inside, as well as an efficient courtesy light with time delay.



MANUAL RELEASE

User-friendly manual release. The installation of the external emergency release device is recommended when the main garage door is the only garage exit (150SESP).



GEARS

A reduction of seven gears, entirely of carbon steel, guarantees absolute torque and resistance.

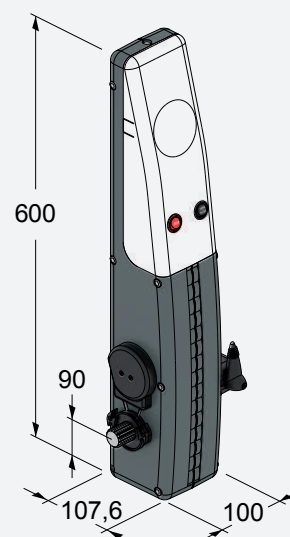


SAFETY

Encoder technology as standard in the SPINQRE version to ensure constant and reliable obstacle control.

TECHNICAL DRAWINGS

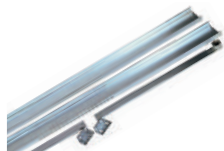
Technical features	SPINF	SPINQRE
Power supply	230 V AC (50 - 60 Hz)	
Motor power supply	230 V AC	
Open circuit voltage	2 A	
Power rating	370 W	
Opening time 90°	21 s	
Duty cycle	30 %	
Operating temperature	-20° C ÷ +55° C	
Motor thermal protection	150° C	
Degree of protection IP	IP 40	
Max. door surface	10 m² with one operator - 16 m² with two operators	
Electronic control unit	-	K892M



ACCESSORIES

ASSEMBLY ACCESSORIES

Side mounting



150KITB1D1S
Side mount (twin openers) installation kit (2 x 150L16S, 2 x 150BDL1)



150KITBCL1
2 x side mount (twin openers) telescopic curved arms with brackets. Product compatible with: kit 150KITB1D1S

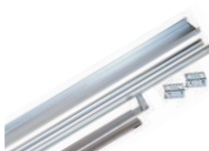


150KITBDL1
2 x side mount (twin openers) telescopic arms with brackets. Product compatible with: kit 150KITB1D1S



150KITBDLM
Kit consisting of 2 oversized straight telescopic side arms. Product compatible with: kit 150KITB1D1S

Central mounting



150KITB1S
Central mount (single opener) installation kit (1 x 150L16S, 2 x 150BD, 2 x 150T1). Can be combined with: 150T1/150T2



150T1
1500 mm long 1" pipe with bushing
Product compatible with: kit 150KITB1S

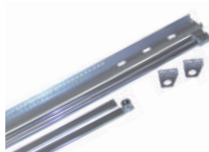


150T2
2000 mm long 1" pipe with bushing
Product compatible with: kit 150KITB1S



150KITBD
2 x central mount (single opener) telescopic arms with brackets.
Product compatible with: kit 150KITB1S
Can be combined with: 150T1/150T2

150KITBC
2 x central mount (single opener) telescopic curved arms with brackets. Product compatible with: kit 150KITB1S
Can be combined with: 150T1/150T2



150KITB1SP1
Central mount kit. Easy installation. Can be combined with: 150T1/150T2

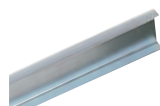


150T1 -25
Pipe with bushing $\varnothing = 25\text{mm}$, $l = 1500\text{ mm}$
Product compatible with: kit 150KITB1SP1



150T2 -25
Pipe with bushing $\varnothing = 25\text{mm}$, $l = 2000\text{ mm}$
Product compatible with: kit 150KITB1SP1

COMMON ACCESSORIES

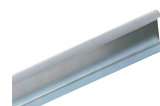


150L06S
Support, 600 mm

NEW



150L16S
Support, 1600 mm



150L25S
Support, 2500 mm



150SESP
External emergency release device with cable



150SESPIN
External emergency key release device



150KITCPB
Set of 6 counterweights (1,7 kg each)



900KICM120
Safety edge $l=1,2$ m

900KICM180
Safety edge $l=1,8$ m



900KONT120
Controlled safety edge $l=1,2$ m
(8,2 k Ω)

900KONT180
V Controlled safety edge $l=1,8$ m
(8,2 k Ω)



M-030Z15G000
Pedestrian door
micro-switch

12/18 VOLT ACCESSORIES



200K995MA-B NEW
Electronic control unit for
1-2 DC motors with BUS
technology, built-in radio
receiver and enclosure.



900CUBEBS NEW
Wall-mounted white led
flashing light with BUS
technology



900OPTICBUS NEW
Set of surface mount in-
frared safety photocells,
12/24 V with BUS techno-
logy



300TCODEBUS
Cable digital keyboard with
BUS signal transmission to
be connected directly to
the control unit



300TKEYBUS NEW
Die-cast aluminium key
switch with BUS techno-
logy



200SWITCHBUS NEW
Connection interface for
open/close/stop keys
with BUS technology



200T-CHARGE NEW
Battery and battery char-
ger to be powered at
230 V for the control unit
K995MA-B/S



250T-CONNECT NEW
Ethernet + Wi-Fi device
- to enable through Tau
Open application, the
use of the smartphone
remotely, to open/close
and check the status of
the gate



250T-WIFI
Device for Wi-Fi
connection 2,4 GHz to
allow the smartphone
to remotely control and
program the control
units via TauApp

230 VOLT ACCESSORIES



200K892M
Electronic control unit for
one or two 230 V up-and-
over garage door openers
with soft-stop, built-in 433,92
MHz radio receiver and
enclosure



900OPTIC
Set of infrared safety pho-
tocells, 12/24 V, surface
mount, beam alignment
adjustable up to 15°, up
to 20 m range



900VLED-AT
230 Volt AC white led
flashing light

Use and maintenance manuals



SPIN

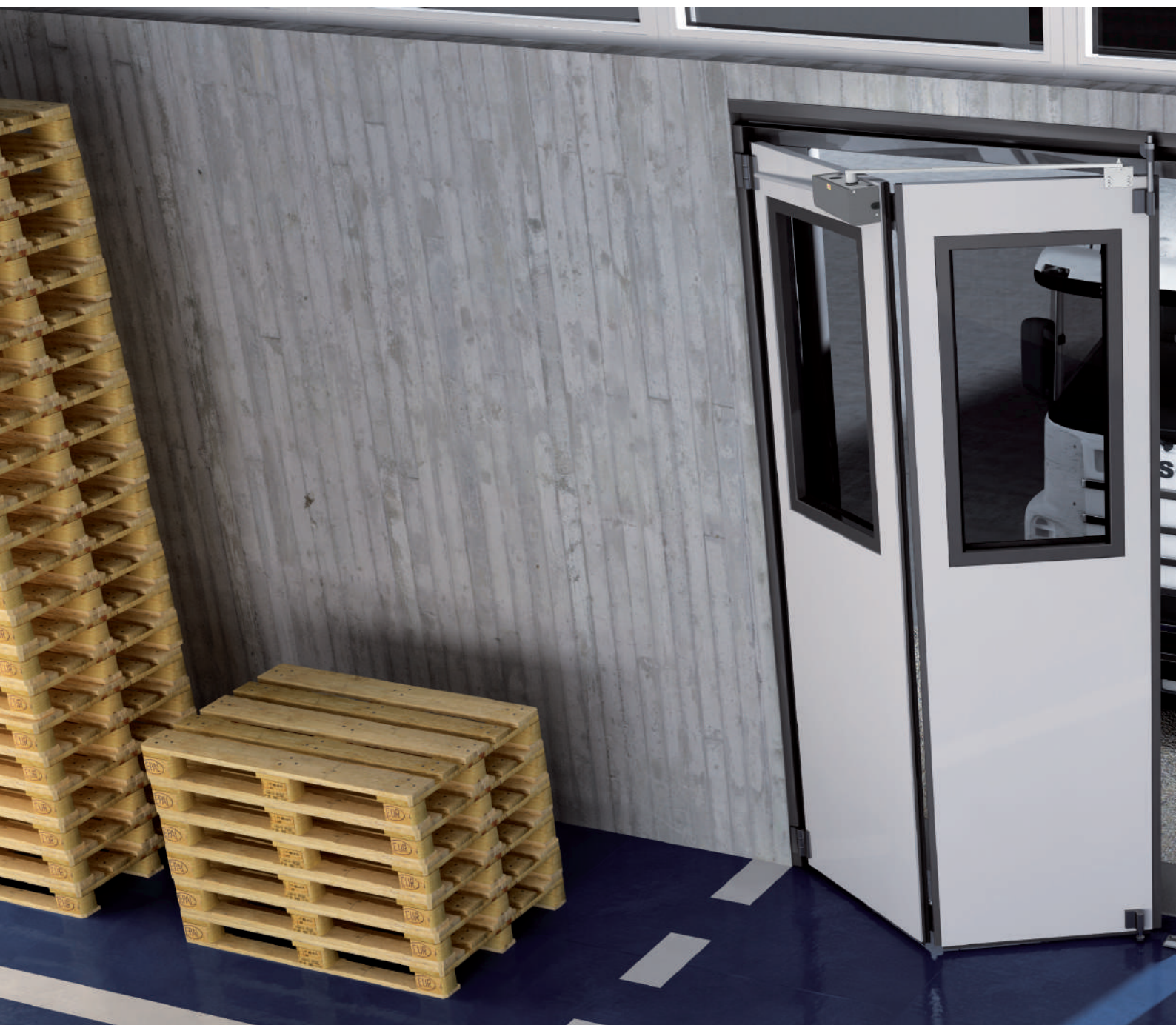


K995MA-B



K892M

COMMERCIAL FOLDING



BIUNO industrial
operator

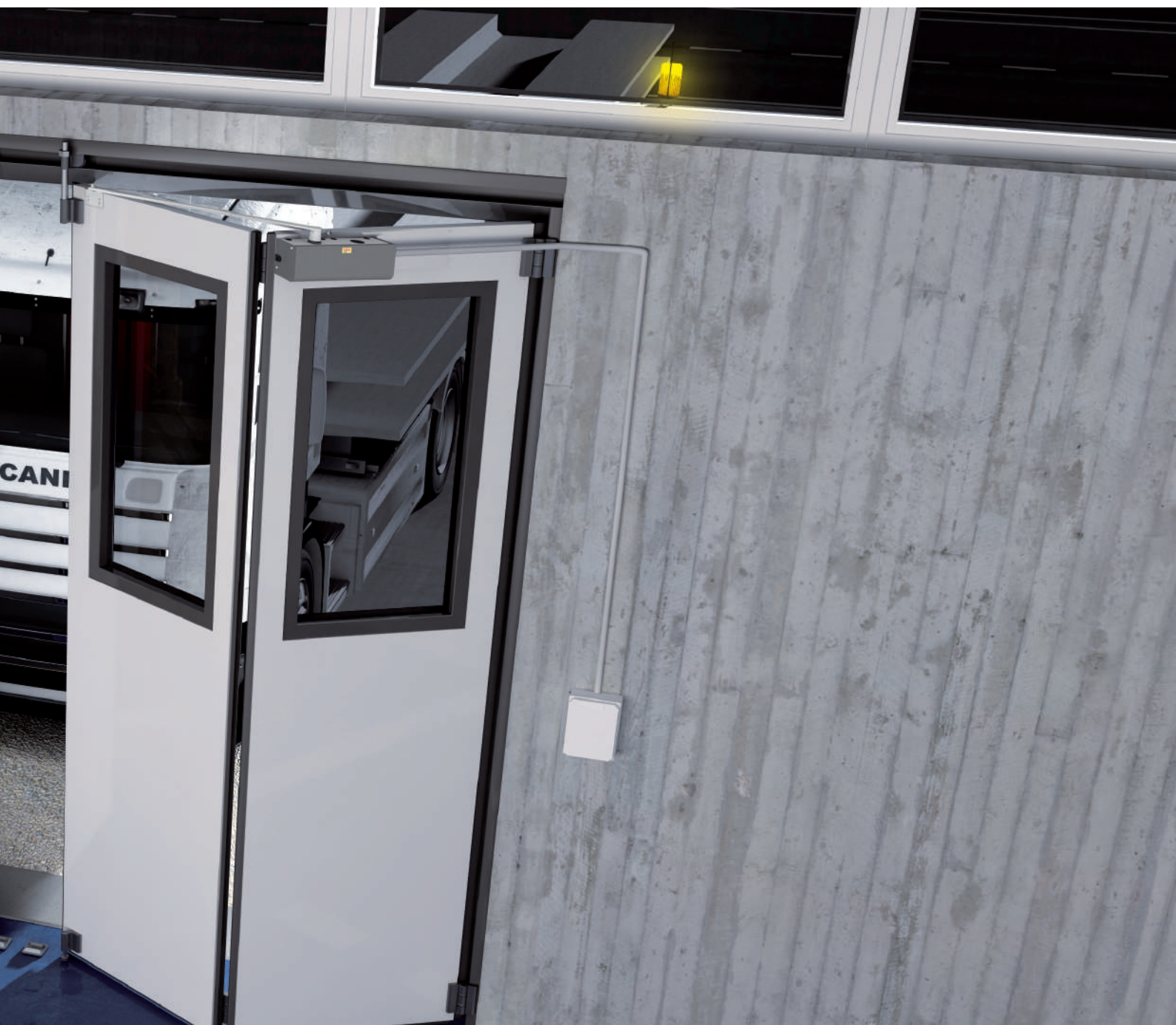
Pag. 150

INDY industrial
operator

Pag. 158

F10/F15 industrial
operator

Pag. 160





SELECTION GUIDE

Industrial operator for swing and folding doors



➤ All gearmotors come with a door fixing bracket (arm excluded)

1.5 m max width of the fol- ding door	18 V DC Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650BIUNO-BT Pag. 150	
	24 V DC (High Speed) Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650BIUNO-BTR Pag. 152	
	230 V AC	Opening/closing electric limit switch	650BIUNO Pag. 154	
2 m max width of the swing door	18 V DC Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650BIUNO-BT Pag. 150	
	24 V DC (High Speed) Duty cycle 100% Continuous use Compatible with photovoltaic panel	Optical encoder	650BIUNO-BTR Pag. 152	
	230 V AC	Opening/closing electric limit switch	650BIUNO Pag. 154	

Industrial operator for industrial sectional doors



➤ All gearmotors come with rotating shaft; and chain emergency maneuver

Max. 46 m²	230 V AC 50 N m	Electric limit switch	650INDY Pag. 158
	400 V AC 100 N m	Electric limit switch	650INDYT Pag. 158

Gearmotor for sliding and side-folding doors for industrial use



Max. 1500 Kg	230 V AC	Electric limit switch	500F10CA1 Pag. 160
	400 V AC	Electric limit switch	500F15C1 Pag. 160

INDUSTRIAL OPERATOR

BIUNO

BT

DC
MOTOR

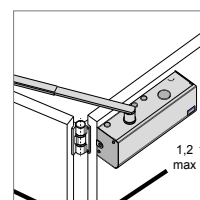
For swing and
folding doors

Opening
time
16 s



650BIUNO-BT dx/sx

Irreversible gear motor for swing or folding doors in low voltage with encoder, complete with fixing bracket to the door (arm excluded).



**Accessories for
BIUNO series**
Page 156



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242



MADE IN
ITALY

FEATURES:

- commercial use
- low voltage DC motor
- optical encoder technology

PROS:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use
- soft start and soft stop
- irreversible door operator
- adaptive controller for the different seal problems
- auto-learning of the door stroke through optical encoder



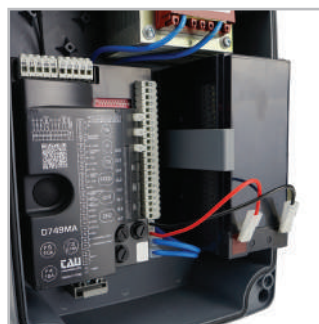
MOTOR

Low-voltage gearmotor, silent and suitable for intensive use.
Duty cycle 100%.



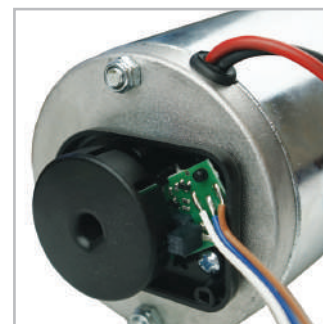
GEARS

A reduction of seven gears, entirely of carbon steel, guarantees absolute torque and resistance.



NO BLACK OUT

Possibility of managing low voltage operators using emergency battery kits, which in case of a blackout come into operation allowing the gate to complete or carry out maneuvers.



OPTICAL ENCODER

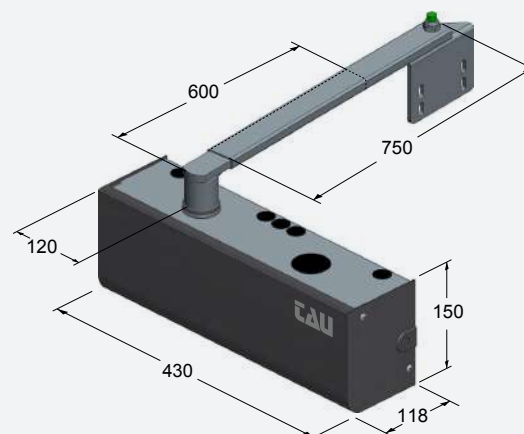
Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the door stroke which doesn't require a limit switch.

TECHNICAL DRAWINGS

Technical features

BIUNO-BT

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1 A
Power rating	250 W
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 40
Opening time 90°	16 s
Reduction ratio	1/672
Maximum folding door width	1,5 m
Maximum swing door width	2 m

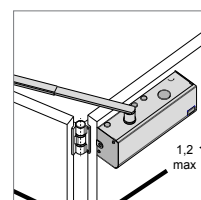


**650BIUNO-BTR dx/sx**

Irreversible fast gearmotor for swing or folding doors in low voltage with encoder, complete with fixing bracket to the door (arm excluded).

750D749MA-R

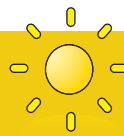
Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit.



**Accessories for
BIUNO series**
Page 156



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



HIGH SPEED

Ready for a new challenge.



+40% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



DON'T GET IN THE WAY

Clear the lane quickly

BIUNO-BTR opening time = 11 s



BIUNO opening time = 19 s



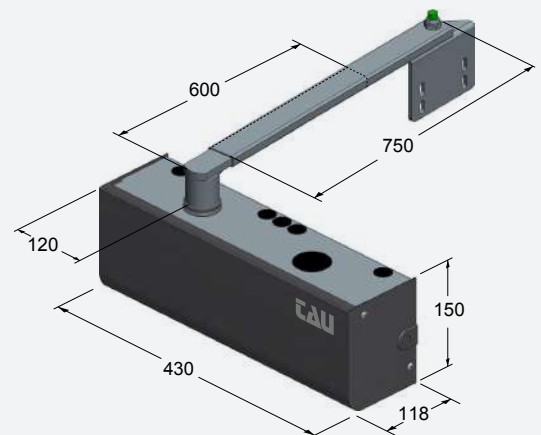
SAVE TIME

Technical features

BIUNO-BTR

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	24 V DC
Open circuit voltage	1 A
Power rating	250 W
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 40
Opening time 90°	11 s
Reduction ratio	1/672
Maximum folding door width	1,5 m
Maximum swing door width	2 m
Electronic control unit	D749MA-R

TECHNICAL DRAWINGS



INDUSTRIAL OPERATOR

BIUNO

BIUNO

230 V

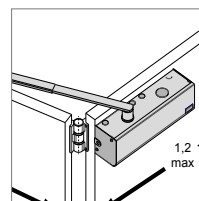
For swing and
folding doors

Opening
time
19 s



650BIUNO dx/sx

230 Volt irreversible gear motor, for swing and folding doors, complete with fixing bracket to the door (arm excluded).



**Accessories for
BIUNO series**
Page 156



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

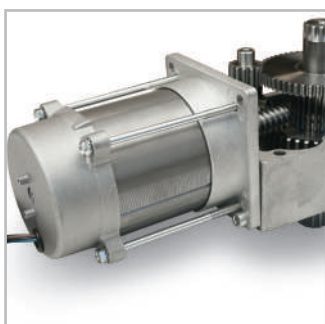


FEATURES:

- commercial use
- built-in electrical limit switches

PROS:

- semi-intensive use
- high torque and power
- strong telescopic arm



MORE POWER

230 Volt single-phase gear-motor protected by thermocouple for an increased thrust and power.



GEARS

A reduction of seven gears, entirely of carbon steel, guarantees absolute torque and resistance.



TOTAL CONNECT

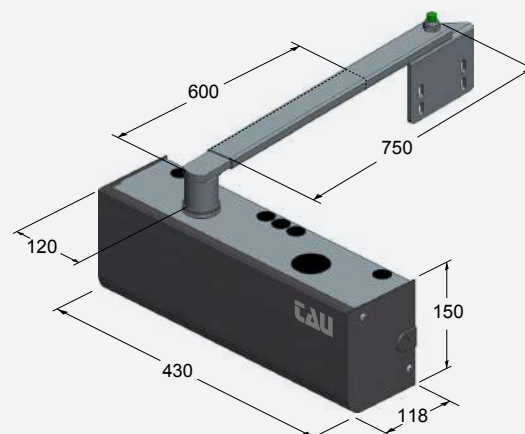
By combining the 250TCONNECT module, it is possible to control the automation remotely via your smartphone.

TECHNICAL DRAWINGS

Technical features

BIUNO

Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Open circuit voltage	1 A
Power rating	190 W
Max. torque	350 N m
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	150°C
Degree of protection IP	IP 40
Opening time 90°	19 s
Reduction ratio	1/672
Maximum folding door width	1,5 m
Maximum swing door width	2 m

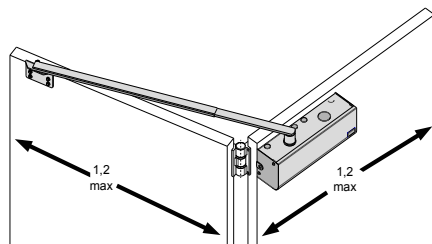


ACCESSORIES

GUIDE TO THE SELECTION OF THE TRANSMISSION SYSTEM

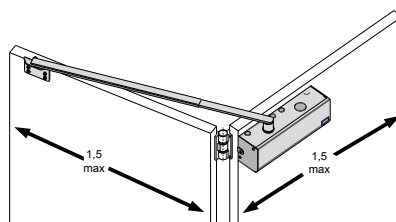
650BTB1

Telescopic arm for folding doors up to 1.2 m



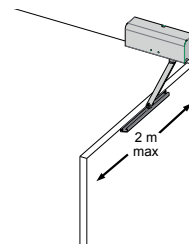
650BTB1L

Telescopic arm for folding doors up to 1.5 m



650BRCEB1

Transmission arm with sliding guide for swing doors up to 2 m



COMMON ACCESSORIES



750COP2

Control unit box cover with 2 command buttons



750COP3

Control unit box cover with 3 command buttons



300PPI

Heavy duty pushbutton panel



650SVB1

External release with knob



550MS

Release system



900VLED

Low voltage 12-18-24 Volt white led flashing light



C-CRT

Warning signal



250T-WIFI

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250T-CONNECT

Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

NEW

ACCESSORIES FOR 12/18/24 VOLT



750D749MA

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



750D749MA-R

Electronic control unit for 1-2 DC fast operators with encoder. Same equipment of D749MA control unit



200BATT

12 V back-up battery, 7,2 Ah with cable



M-030KITKB20

Battery cables kit (20 pcs)

ACCESSORIES FOR 230 VOLT



750D770M

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

Use and maintenance manuals



BIUNO



D749MA



D749MA-R



D770M

INDUSTRIAL OPERATOR

INDY

INDY INDYT

230
400 V

For 46 m² industrial
sectional doors



650INDY

230 Volt side mounted operator, 50 N m, for rolling shutters and industrial sectional doors with rotating shaft and manual emergency chain operations.

650INDYT

400 Volt side mounted operator, 100 N m, for rolling shutters and industrial sectional doors with rotating shaft and manual emergency chain operations.



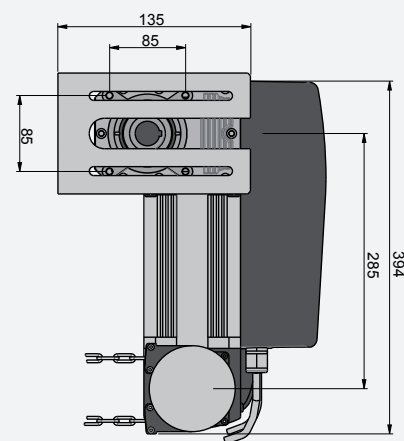
MADE IN
ITALY

FEATURES:

- electromechanical irreversible operator
- manual emergency chain
- built-in electric limit switch simple and precise to set
- oil bath motor with hardened steel and bronze gears for high performances and durability

Technical features	INDY	INDYT
Power supply	230 V AC (50 Hz)	400 V AC (50 Hz)
Motor power supply	230 V AC	400 V AC
Absorption	3,3 A	2,3 A
Power rating	600 W	900 W
Duty cycle	15 %	25 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Speed output shaft	22 rpm	22 rpm
Degree of protection	IP 54	IP 54
Ø output shaft	25,4 mm	25,4 mm

TECHNICAL DRAWINGS



ACCESSORIES



750COP2
Control unit box cover with 2 command buttons



750COP3
Control unit box cover with 3 command buttons



600D703
230/400 V electronic control unit for one gate operator with electrical brake



250RXSM2
Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters



650INDY001
Shaft transmission kit with chain pinion



300PPI
Heavy duty pushbutton panel



900VLED-AT
230 V AC white led flashing light



250S-4RP
Four-channel transmitter, rolling code technology, 433,92 MHz



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250SM126
Memory card for 126 radio codes

250SM254
Memory card for 254 radio codes

GATE OPERATOR

F10/15C

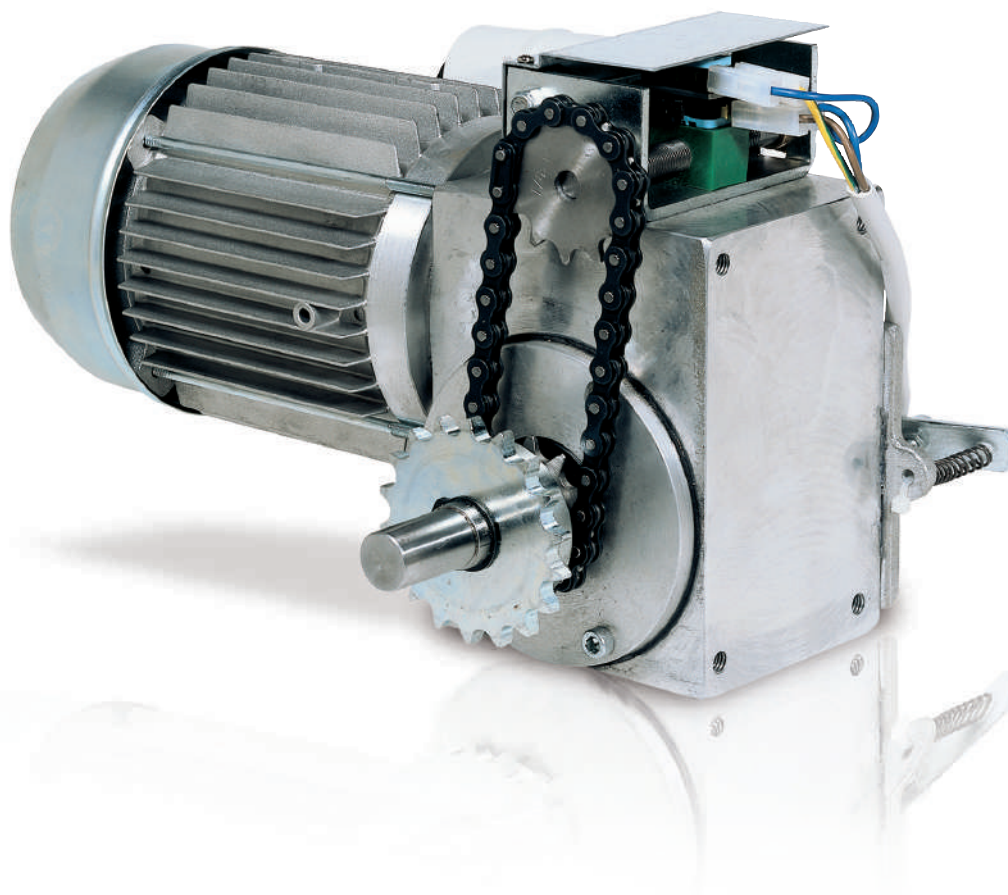
CA1

C1

**230
400 V**

Up to
1500 kg

Speed
10,3 m/min



500F10CA1

230 V chain drive sliding or folding door operator, complete with limit switch. Maximum door weight 1000 kg.

500F15C1

400 V chain drive sliding or folding door operator, complete with limit switch. Maximum door weight 1500 kg.



MADE IN
ITALY

FEATURES:

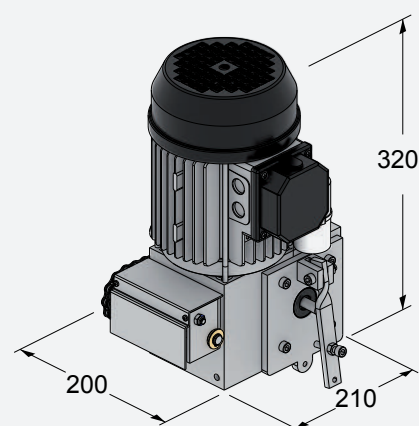
- commercial use
- for folding or sliding doors up to 1500 kg
- irreversible motor
- for folding doors with more than two folding leaves
- oil immersed operator with tempered steel screw and bronze gears for high performances and endurance

PROS:

- semi-intensive use
- also suitable for large doors
- built-in limit switch: fewer connections and quick installation

TECHNICAL DRAWINGS

Technical features	F10CA1	F15C1
Power supply	230 V AC (50 - 60 Hz)	400 V AC (50 - 60 Hz)
Motor power supply	230 V AC	400 V AC
Absorption	3,9 A	3,25 A
Power rating	720 W	1000 W
Duty cycle	50 %	55 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	150° C	150° C
Degree of protection	IP 40	IP 40
Output speed	10,3 m/min	10,3 m/min
Max. gate leaf weight	<1000 kg	<1500 kg



ACCESSORIES



550MS
Release system



550TEN
Chain stretcher



550CAT5
1/2" x 5/16" chain (5 m)



600D703
230/400 V electronic control unit for one gate operator with electrical brake



M-03083850LR
Limit switch



800B600100
F10/F15 Mounting plate



750COP2
Control unit box cover with 2 command buttons



750COP3
Control unit box cover with 3 command buttons



300PPI
Heavy duty pushbutton panel



250RXSM2
Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



900VLED-AT
230 V AC white led flashing light

AUTOMATIC DOORS



T-SIDE door opener

Pag.

T-LINE door opener

Pag.

T-WAY door opener

Pag.

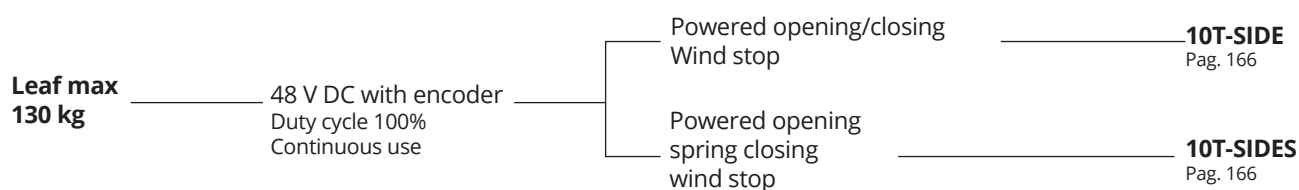


SELECTION GUIDE

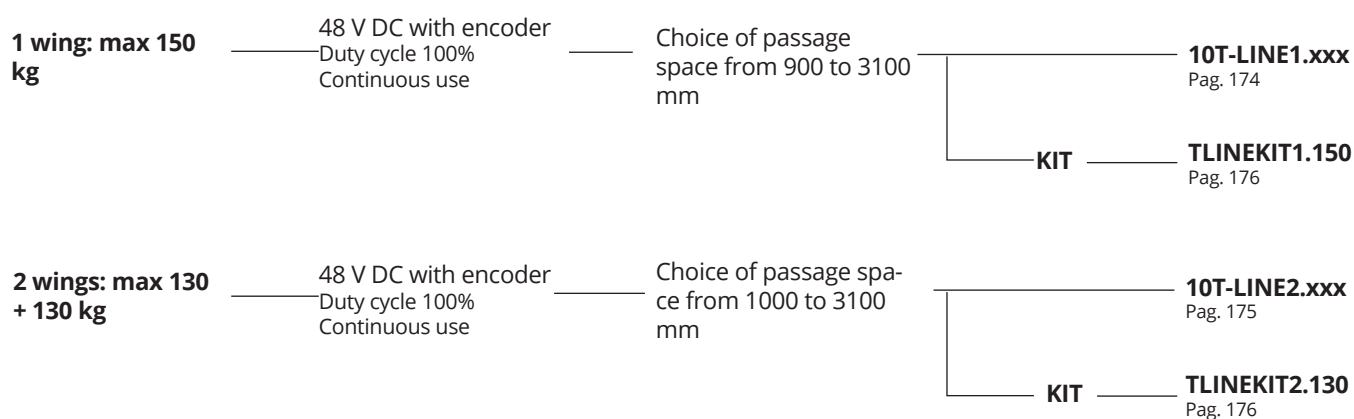
Automation for swing doors for commercial use / public buildings



➤ All automations are intended for a **1200 mm maximum length of the leaf**



Automation for sliding doors for commercial use / public buildings



Automation for telescopic sliding doors for commercial use / public buildings



1 + 1 mobile doors. Max. 130 kg/door

48 V DC
Duty cycle 100%
Continuous use

Built-in electronic unit

10T-WAY2D

Pag. 180

10T-WAY2S

Pag. 180

2 + 2 mobile doors. Max. 65 kg/door

48 V DC
Duty cycle 100%
Continuous use

Built-in electronic unit

10T-WAY4

Pag. 180

+

Beam group - cover - belt

Max 2 m

10T-WAYB20

Pag. 180

Max 3 m

10T-WAYB30

Pag. 180

DOOR OPENER **T-SIDE**

DC
MOTOR

For doors up to
130 kg

Opening time
4-12 s



10T-SIDE

NEW

Single leaf swing door opener, powered opening, powered closing, wind stop. Max. leaf 130 kg and 1200 mm.

10T-SIDES

NEW

Single leaf swing door opener, powered opening, spring closing, wind stop. Max. leaf 130 kg and 1200 mm.



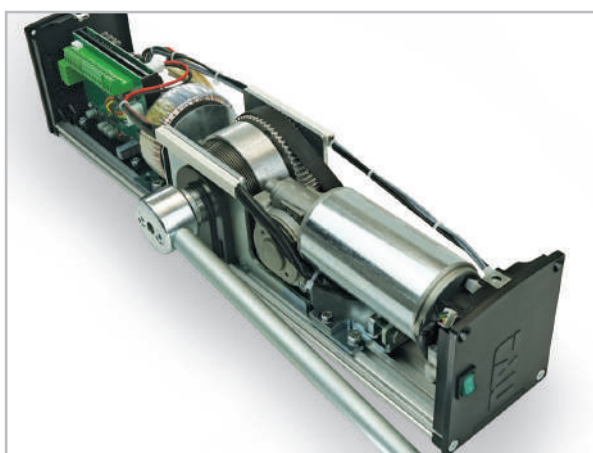
**Accessories for
T-SIDE series**
Page 169

FEATURES:

- commercial use
- max. opening 95°
- for door panels up to 130 kg and 1200 mm
- built-in electronic control unit
- single or double swing leaf installation
- in accordance with EN 16005 standards

PROS:

- intensive use
- ideal for offices, supermarkets, hospitals and public entrances
- can automate most swing doors, new or existing
- quick and easy installation
- installation with "push" or "pull" arm
- react immediately to any obstacle
- wind stop: resists wind pressure
- auto-learning of the stroke through optical encoder

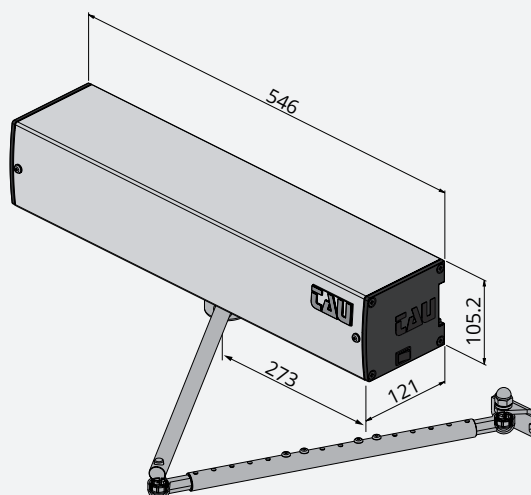


MOTOR

Compact and extremely silent motor, equipped with a 100 pulse/revolution encoder to guarantee maximum safety in case of obstacle detection.

TECHNICAL DRAWINGS

Technical features	T-SIDE / T-SIDES
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	48 V DC with encoder
Absorbed power	120 W
Opening speed	4 - 12 s
Closing speed	5 - 15 s
Duty cycle	100 %
Operating temperature	-15°C / +55°C
Degree of protection	IP 32
Max. opening	95°
Max. gate leaf weight	130 kg



ACCESSORIES

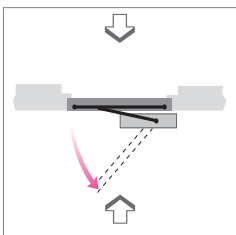
PULL OPERATION



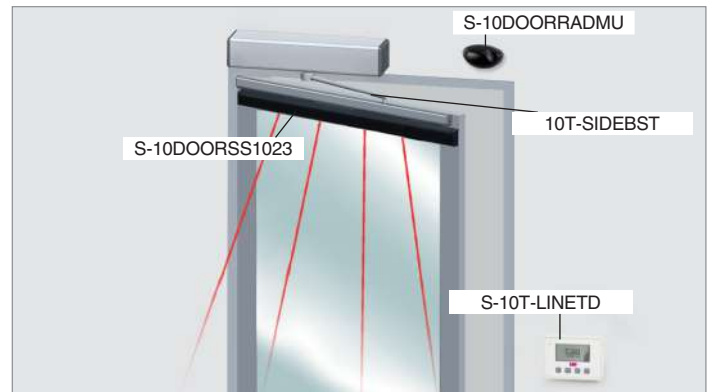
10T-SIDEBST
Pull arm

NEW

Pull operation



Length of door (mm)	Max weight (kg)
700	130
750	124
800	118
850	113
900	108
950	104
1000	100
1100	95
1200	90



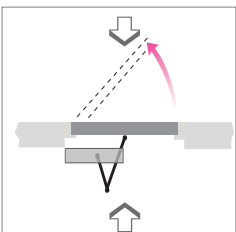
PUSH OPERATION



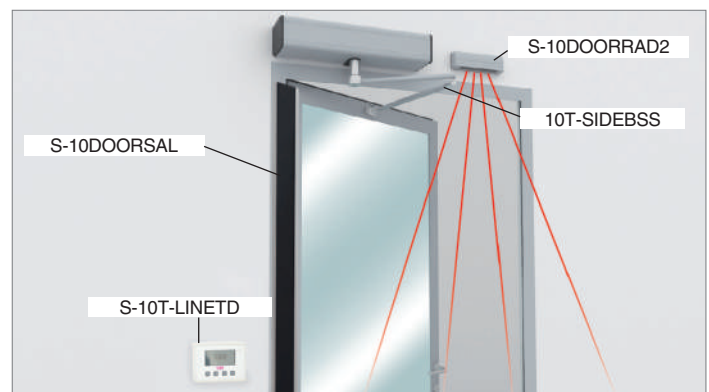
10T-SIDEBSS
Push arm

NEW

Push operation



Length of door (mm)	Max weight (kg)
800	92
850	89
900	85
950	83
1000	80
1100	75
1200	70



ACCESSORIES



S-10DOORSS340

Safety sensor for obstacle detection, 340 mm long

S-10DOORSS1023T

Obstacle detection safety device, 1023 mm long



S-10LINEKIT2BRK

Aluminium cover for two BRINK openers, complete with cable for Master/Slave connection

NEW



S-10DOORRAD2

Radar for activation and safety compliant EN16005



S-10DOORRAD

Active infrared motion detector



S-10DOORRADM

Microwave radar detector, scanned area 4 m



S-10DOORRADMU

Microwave radar detector, unidirectional, scanned area 4 m



S-10DOORTL

Microwave, hygienic, touchless, automatic door activation switch, scanned area 4 m, 3 different faceplates included



S-10T-LINETD

Digital key pad



S-10T-LINESELF

Function selector



S-10DOORSAL

Swing doors safety cover



S-10T-LINESELF

Key function selector

NEW

DOOR OPENER T-LINE

DC
MOTOR

Max. wing weight :
1 wing: 150 kg
2 wings: 130+130 kg

Opening
speed
70 cm/s



T-LINE is TAU's automation for pedestrian sliding doors. It is conceived for busy environments, where a fast opening speed is required, as well as for domestic environments, where softer and more controlled movements are needed. Thanks to its simple and elegant design, the silent T-LINE automation can easily match any type of house furniture.

T-LINE automatic sliding door is easy to install and control, thanks to some smart devices such as the self-support beam and its cover.

Every automation system must be completed with opening, safety and control devices according to the existing legislation.



**Accessories for
T-LINE series**
Page 178



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- commercial use
- emergency operation with integrated backup battery pack (optional)
- max. door panel weight 1 x 150 kg or 2 x 130 kg
- max. clear passage width 3100 mm
- in accordance with EN 16005 standards

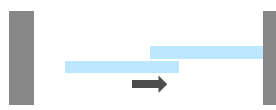
PROS:

- intensive use
- ideal for offices, supermarkets, hospitals and busy environments
- obstacle detection and crush prevention
- large vertical (20 mm) and horizontal (36 mm) leaf adjustment range
- assisted cover opening

TYPES OF OPENING



DOUBLE LEAF



SINGLE LEAF
opening to the right



SINGLE LEAF
opening to the left

Technical features	1 LEAF T-LINE	DOUBLE LEAF T-LINE
Door opening width	700 ÷ 3200 mm	900 ÷ 3200 mm
Max leaf weight	150 kg	130 Kg +130 kg
Max automation sizes	160 x 120 x max. length 6500 mm	
Power	120 VA	
Power supply	230 V - 50Hz	
DC door operator power supply	48 V DC	
Outer accessories power supply	24 V DC - 24 V AC	
Opening speed	70 cm/s per leaf	
Closing speed	60 cm/s per leaf	
Adjustable pause time	0 ÷ 32 s	
Self-adjustment of the pause time	Si	
Reduced winter opening	standard 75% off opening width	
Operating temperature	-20°C ÷ +50°C	
Degree of protection	IP 22	
Duty cycle	100%	
Number of manoeuvres	1.000.000 manoeuvres test	
Safety test	Radar test function available as per EN 16005 requirements	
Interlock system	Available. A second TAU automatic door can only be opened after the closing of the first one	
Separate opening/closure inputs	Yes	
Type of use	Residential – Commercial – Industrial	

COMPONENTS OF T-LINE AUTOMATIC DOOR



SIDE HANDLE UNLOCKING DEVICE (optional)

It is possible to unlock the automation manually thanks to the simple and intuitive side handle. It can be placed to the left or to the right of the aluminium beam.



COMPACT SIZES

Easy to fit in any environment thanks to its small sizes (only 120 mm height and 157,5 mm width).

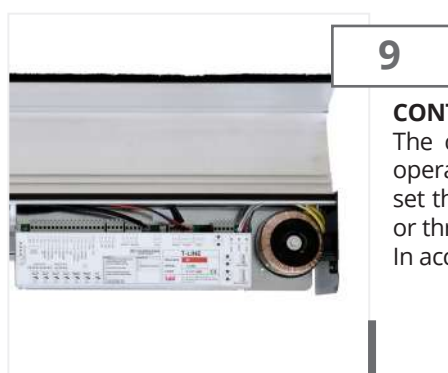
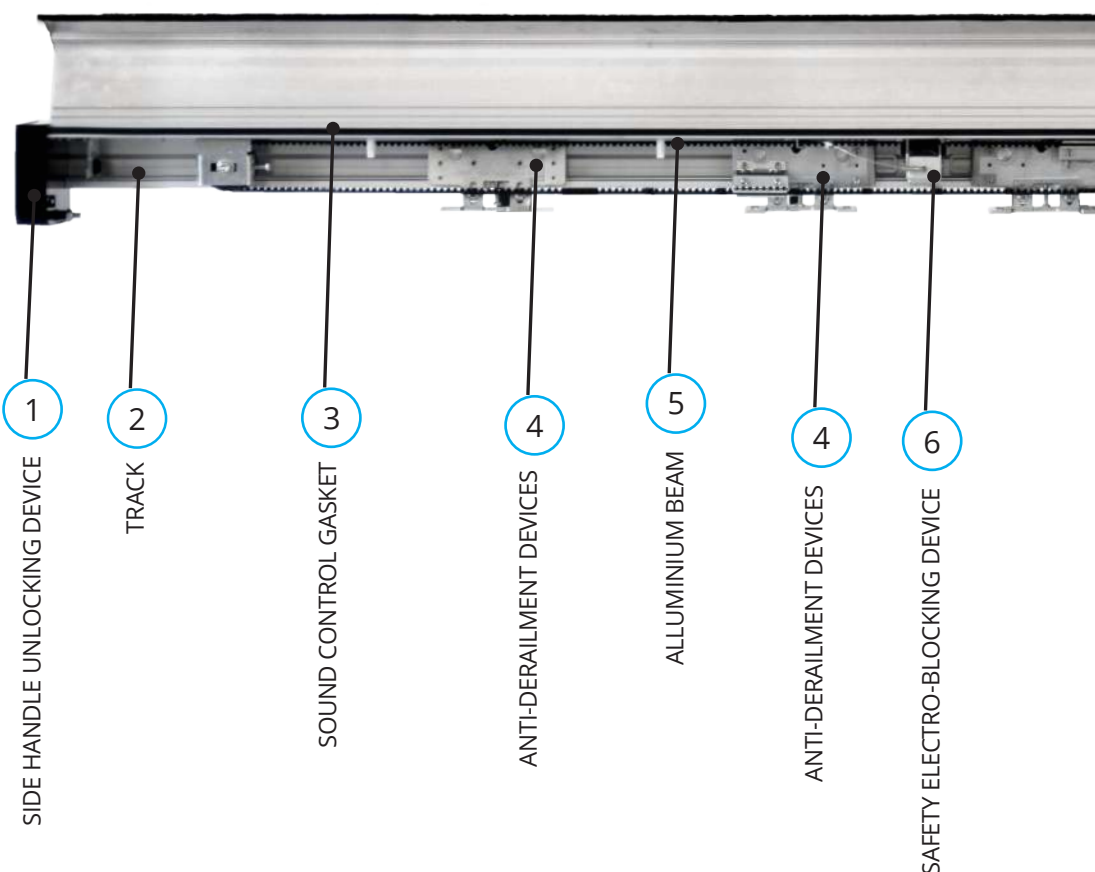


SILENT MOVEMENT

A track that lays on an anti-vibration gasket ensures a silent and flowing movement of the door.

The track can be replaced once worn out.

An additional sound control gasket has been placed between the beam and its cover in order to further reduce the impact of the vibrations.



CONTROL BOARD

The control board is conceived to meet any operating need. Easy to programme, it can be set through simple trimmers and dip switches or through the optional digital keypad. In accordance to EN-16005 standards.

4

ANTI-DERAILMENT DEVICES

The steady double wheel track rollers with a third anti-derailment wheel are conceived to sustain leaves that weigh up to 150 kg.



EASY AND QUICK INSTALLATION

Thanks to the practical aluminium anchor template, the beam can quickly and easily be fixed just by one person.

5



4

ANTI-DERAILMENT DEVICES

7

ALUMINIUM BEAM COVER

8

MOTOR WITH ENCODER

9

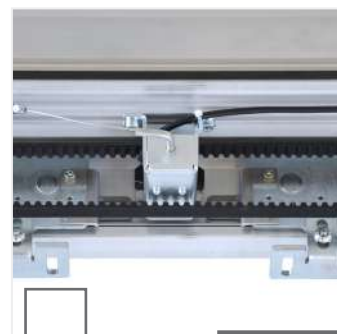
CONTROL BOARD



6

SAFETY ELECTRO-BLOCKING DEVICE

Manual emergency opening device simple and easy to activate thanks to the central or side handle. The optional electro-locking device ensures the closing of the door.



7

PRACTICAL

The aluminium beam cover can easily be opened. It can also remain lifted up to make the maintenance of the automation easier.



EVERYTHING UNDER CONTROL

A steady DC gate operator with optical encoder ensures and controls the movement of the door.



8

The single or double leaf automation includes: anodized aluminium beam, anodized aluminum cover, side caps, operator, belt, carriage assemblies and electronic control unit. The price of each automation refers to the maximum length of the beam and of the cover, but they can also be cut to the required size.

SINGLE LEAF AUTOMATIC SLIDING DOOR MAX 150 KG

Reference	Clear opening	Beam cut length	Max. leaf weight
10T-LINE1.195	900 mm	1950 mm	1 x 150 kg
10T-LINE1.215	1000 mm	2150 mm	1 x 150 kg
10T-LINE1.235	1100 mm	2350 mm	1 x 150 kg
10T-LINE1.255	1200 mm	2550 mm	1 x 150 kg
10T-LINE1.275	1300 mm	2750 mm	1 x 150 kg
10T-LINE1.295	1400 mm	2950 mm	1 x 150 kg
10T-LINE1.315	1500 mm	3150 mm	1 x 150 kg
10T-LINE1.335	1600 mm	3350 mm	1 x 150 kg
10T-LINE1.355	1700 mm	3550 mm	1 x 150 kg
10T-LINE1.375	1800 mm	3750 mm	1 x 150 kg
10T-LINE1.395	1900 mm	3950 mm	1 x 150 kg
10T-LINE1.415	2000 mm	4150 mm	1 x 150 kg
10T-LINE1.435	2100 mm	4350 mm	1 x 150 kg
10T-LINE1.455	2200 mm	4550 mm	1 x 150 kg
10T-LINE1.475	2300 mm	4750 mm	1 x 150 kg
10T-LINE1.495	2400 mm	4950 mm	1 x 150 kg
10T-LINE1.515	2500 mm	5150 mm	1 x 150 kg
10T-LINE1.535	2600 mm	5350 mm	1 x 150 kg
10T-LINE1.555	2700 mm	5550 mm	1 x 150 kg
10T-LINE1.575	2800 mm	5750 mm	1 x 150 kg
10T-LINE1.595	2900 mm	5950 mm	1 x 150 kg
10T-LINE1.615	3000 mm	6150 mm	1 x 150 kg
10T-LINE1.635	3100 mm	6350 mm	1 x 150 kg

DOUBLE LEAF AUTOMATIC SLIDING DOOR MAX 130+130 KG

Reference	Clear opening	Beam cut length	Max. leaf weight
10T-LINE2.215	1000 mm	2150 mm	2 x 130 kg
10T-LINE2.235	1100 mm	2350 mm	2 x 130 kg
10T-LINE2.255	1200 mm	2550 mm	2 x 130 kg
10T-LINE2.275	1300 mm	2750 mm	2 x 130 kg
10T-LINE2.295	1400 mm	2950 mm	2 x 130 kg
10T-LINE2.315	1500 mm	3150 mm	2 x 130 kg
10T-LINE2.335	1600 mm	3350 mm	2 x 130 kg
10T-LINE2.355	1700 mm	3550 mm	2 x 130 kg
10T-LINE2.375	1800 mm	3750 mm	2 x 130 kg
10T-LINE2.395	1900 mm	3950 mm	2 x 130 kg
10T-LINE2.415	2000 mm	4150 mm	2 x 130 kg
10T-LINE2.435	2100 mm	4350 mm	2 x 130 kg
10T-LINE2.455	2200 mm	4550 mm	2 x 130 kg
10T-LINE2.475	2300 mm	4750 mm	2 x 130 kg
10T-LINE2.495	2400 mm	4950 mm	2 x 130 kg
10T-LINE2.515	2500 mm	5150 mm	2 x 130 kg
10T-LINE2.535	2600 mm	5350 mm	2 x 130 kg
10T-LINE2.555	2700 mm	5550 mm	2 x 130 kg
10T-LINE2.575	2800 mm	5750 mm	2 x 130 kg
10T-LINE2.595	2900 mm	5950 mm	2 x 130 kg
10T-LINE2.615	3000 mm	6150 mm	2 x 130 kg
10T-LINE2.635	3100 mm	6350 mm	2 x 130 kg

T-LINE INSTALLATION KIT

FEATURES:

The components to assemble the door (beam, cover and so on) are supplied separately. Cutting and assembling operations are carried out by the customer. It is the best solution for customers that need to quickly fulfil orders of tailor-made doors.

PROS:

- competitive costs
- increased flexibility
- eliminates the need to stock complete door packages
- logistics optimization
- prompt delivery to the end-user of a customized door package



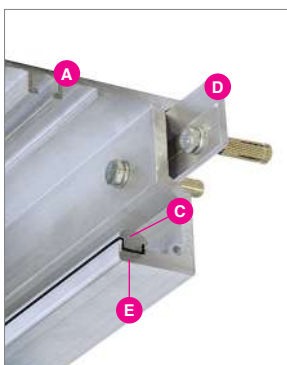
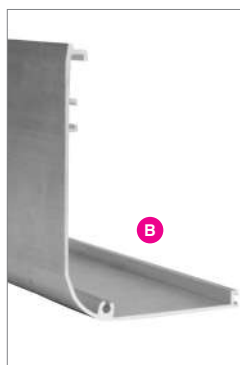
T-LINEKIT1.150

Single leaf sliding door opener (max 150 kg)

T-LINEKIT2.130

Double leaf sliding door opener (max 130 + 130 kg)

The beam and its cover can also be supplied in anodized aluminium (natural aluminium colour) upon request just before the order, with a 20% increase on the pricelist.



A) S-10T-LINETRA65

T-Line support beam / = 6500 mm

B) S-10T-LINECAR65AN

Front cover profile in anodized aluminum T-Line / = 6500 mm

C) S-10T-LINEROT65

T-Line track / = 6500 mm

D) S-10T-LINEANK65

T-Line anchor template / = 6500 mm

E) S-10T-LINEANR

Anti-vibration gasket for T-Line track. (200 m)

F) M-0300000380

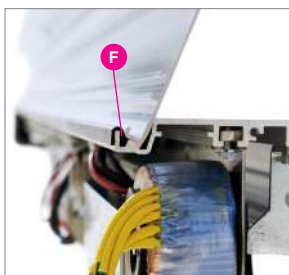
Extruded rubber (100 m)

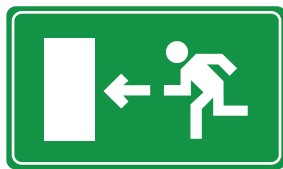
G) S-T-LINEGUM

38 mm rubber gasket

H) S-10DOORCING

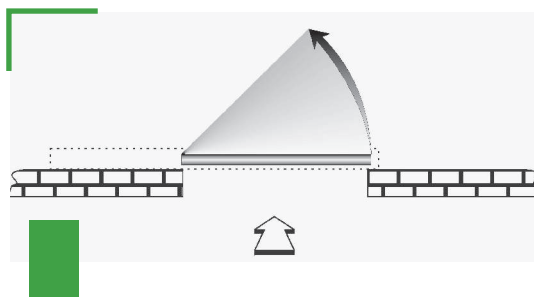
Traction belt (50 m)





FRAME BREAK-OUT SYSTEM FOR SLIDING DOORS

It is the best certified solution when the automatic door is also the only emergency exit. Such system ensures the outward swing opening of the door when pushed.



S-10DOORSF1M

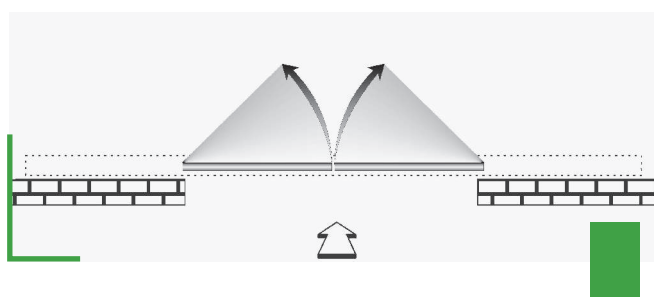
Configuration: single sliding with fixed sidelight panels. Frame break-out system composed of 1 x break-out kit, 1 x upper profile 1300 mm, 1 x floor track 1400 mm. Specify right or left-hand (consult TAU for additional information)

N.B. : The automation is fixed on the outside of the door's structure

Additional components (to be purchased separately):

S-10DOORFOTOG Additional set of safety photocells (if a set of DOORFOTO1 is already installed)

S-10DOORSTF Metal housing for DOORFOTOG



S-10DOORSF2M

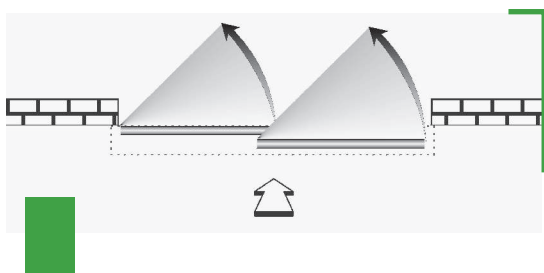
Configuration: bi-parting with fixed sidelight panels. Frame break-out system composed of 2 x break-out kits, 2 x upper profiles 1300 mm, 2 x floor tracks 1400 mm

N.B. : The automation is fixed on the outside of the door's structure.

Additional components (to be purchased separately):

S-10DOORFOTOG Additional set of safety photocells (if a set of DOORFOTO1 is already installed)

S-10DOORSTF Metal housing for DOORFOTOG



S-10DOORSF2MF

Configuration: single sliding with break-out sidelight panel. Frame break-out system composed of 1 x break-out kit, 1 x upper profile 1300 mm, 1 x floor track 1400 mm, 1 x ball-lock, 1 x magnetic contact Specify right or left-hand (consult TAU for additional information)

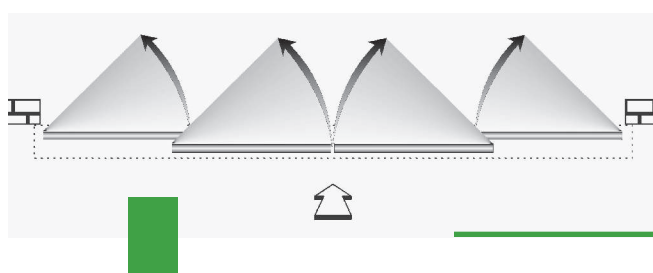
Additional components (to be purchased separately):

S-10DOORSQ2 Lock brackets to prevent opening from the outside (2 brackets)

S-10DOORCRN2 No. 1 pairs of hinges

S-10DOORGP Cable sheath for photocell

S-10DOORGPS Retractable cable sheath for photocell



S-10DOORSF4MF

Configuration: bi-parting with break-out sidelight panels. Frame break-out system composed of 2 x break-out kits, 2 x upper profiles 1300 mm, 2 x floor tracks 1400 mm, 2 x ball-locks, 2 x magnetic contact

Additional components (to be purchased separately):

S-10DOORSQ4 Lock brackets to prevent opening from the outside(4 brackets)

S-10DOORCRN4 Hinges (2 hinges)

S-10DOORGP2 Retractable cable sheath for photocell

S-10DOORGPS2 Retractable and flexible cable sheath for photocell

ACCESSORIES

ACCESSORIES



S-10DOORRAD2
Radar for activation and safety
compliant EN16005



S-10DOORRAD/STA
Radar for active infrareds. Narrow field
for lateral security



S-10DOORRAD
Active infrared motion detector



S-10DOORFOTOG
Pair of photocells



S-10DOORADM
Microwave radar detector, scanned area
4 m



S-10DOORADMU
Microwave radar detector, unidirectional,
scanned area 4 m



S-10T-LINESELF
Key function selector

NEW



S-10T-LINESELF
Function selector



S-10DOORTL
Microwave, hygienic, touchless,
automatic door activation switch,
scanned area 4 m, 3 different faceplates
included



S-10T-LINETD
Digital key pad



P-10T-LINEANT10
1 m support kit for framed leaf

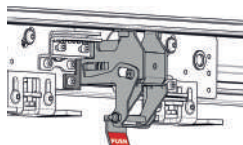
P-10T-LINEANT15
1,5 m support kit for framed leaf

P-10T-LINEANT20
2 m support kit for framed leaf



S-10T-LINECRIS10
Aluminium clamp for frameless glass panels
(thickness 10 mm), length 1 m

S-10T-LINECRIS15
Aluminium clamp for frameless glass panels
(thickness 10 mm), length 1,5 m



S-10T-LINEBLOCL
Electromechanical lock with center
release (It can be used on automatic
doors with framed leaves with a
maximum thickness of 50 mm)



S-10T-LINEBATT
Back up battery kit



S-10T-LINEBLOCF2
Electromechanical lock with side handle
release



S-10T-LINEART
T-line cover opening kit



S-10T-LINE1250
Sliding plate
for framed leaf.
Compatible with
S-10T-LINEPROFI



S-10T-LINE1240
Sliding plate for
crystal leaf



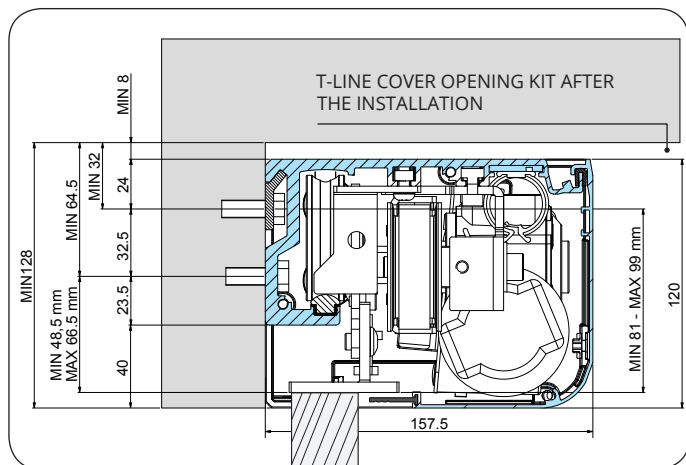
S-T-LINEPROFI
T-line lower
support (2 m
bars)



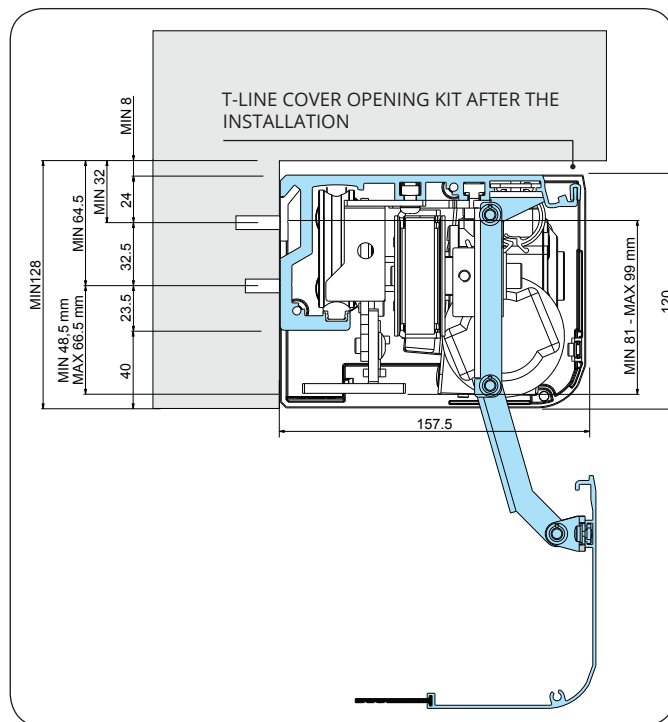
S-T-LINESPA
Brush seal 4 m

TECHNICAL DRAWINGS

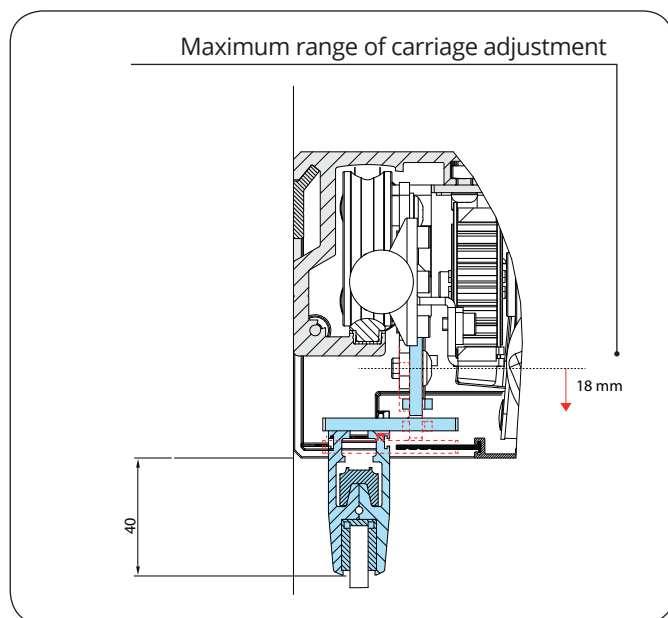
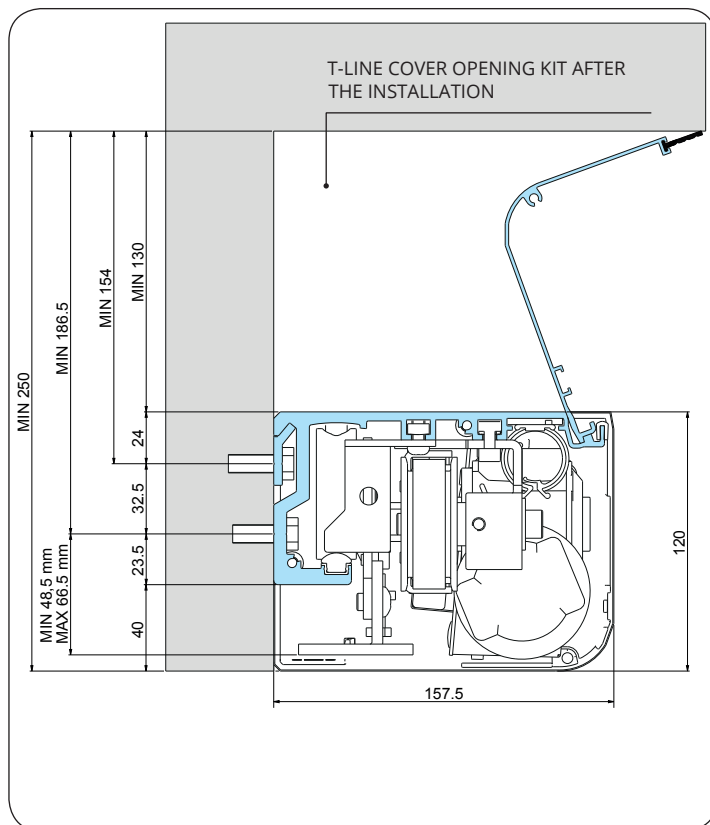
Minimum dimensions for opening the cover with disassembly



Minimum dimensions for cover opening with articulation kit



Minimum dimensions for opening the casing upwards



Use and maintenance manuals



TLINEKIT



T-LINE



DC19

DOOR OPENER T-WAY

2D 2S 4

**DC
MOTOR**

Max. wing weight :
1+1 wings: 130 kg/wing
2+2 wings: 65 kg/wing

Opening
speed
70 cm/s for
wing



**Create your own
T-WAY automatic
telescopic door!**

AUTOMATION (10T-WAY2D / 2S / 4)

+

BEAM GROUP (10T-WAYB20 / B30)

+

ACCESSORIES

10T-WAY2D

Automation for sliding telescopic door 1 + 1 mobile doors (maximum weight 130) kg/door) opening to the right excluding carter and crosspiece.

10T-WAY2S

Automation for sliding telescopic door 1 + 1 mobile doors (maximum weight 130) kg/door) opening to the left excluding carter and crosspiece.

10T-WAY4

Automation for sliding telescopic door 2 + 2 mobile doors (maximum weight 65 kg/door) opening to the right and left excluding carter and crosspiece.

10T-WAYB20

Beam group (A) – cover (B) – belt (C) for T-WAY operator for telescopic sliding door cut at the required size up to max 2 m length. Clear opening: max 1300 mm.

10T-WAYB30

Beam group (A) – cover (B) – belt (C) for T-WAY operator for telescopic sliding door cut at the required size up to max 3 m length. Clear opening: max 1950 mm.



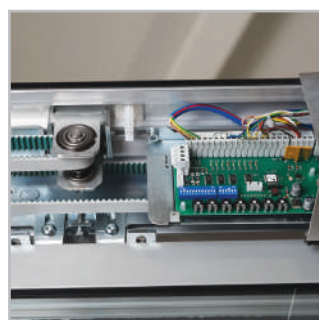
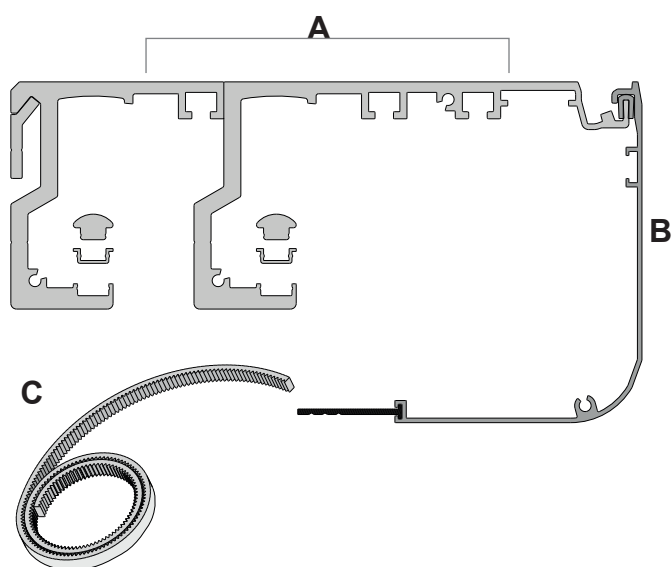
**Accessories for
T-WAY series**
Page 182

FEATURES:

- commercial use
- emergency operation with integrated backup battery pack (optional)
- built-in electronic unit
- installation for two or four sliding doors
- in accordance with EN 16005 standards

PROS:

- designed for narrow spaces or corridors in which there is not enough lateral space
- intensive use
- ideal for offices, supermarkets, hospitals and busy environments
- fast, trouble-free, installation at the job site thanks to the preassembled package



CONTROL BOARD

The control board is conceived to meet any operating need. Easy to programme, it can be set through simple trimmers and dip switches or through the optional digital keypad. In accordance to EN-16005 standards.

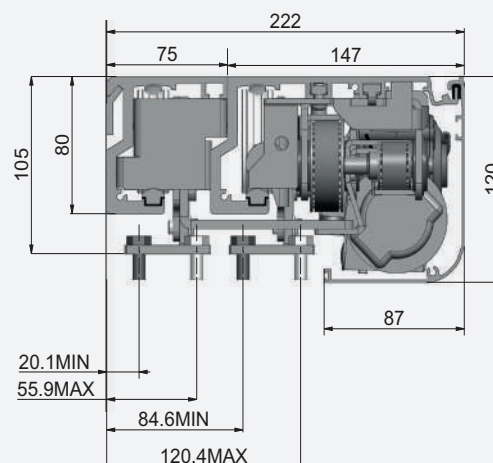


EVERYTHING UNDER CONTROL

A steady DC gate operator with optical encoder ensures and controls the movement of the door.

TECHNICAL DRAWINGS

Technical features	T-WAY2D/T-WAY2S	T-WAY4
Power supply	230 V AC	230 V AC
Motor power supply	48 V DC	48 V DC
Absorbed power	120 W	120 W
Opening speed	70 cm/s for wing	70 cm/s for wing
Closing speed	60 cm/s for wing	60 cm/s for wing
Duty cycle	100%	100%
Operating temperature	-15°C / +55°C	-15°C / +55°C
Degree of protection	IP22	IP22
Max. gate leaf weight	2 wing 130 kg/wing	4 wings 65 kg/wing



ACCESSORIES

ACCESSORIES



S-10DOORRAD2

Radar for activation and safety compliant EN16005



S-10DOORRADM

Microwave radar detector, scanned area 4 m



S-10DOORRAD

Active infrared motion detector



S-10DOORRADMU

Microwave radar detector, unidirectional, scanned area 4 m



S-10DOORTL

Microwave, hygienic, touchless, automatic door activation switch, scanned area 4 m, 3 different faceplates included



S-10T-LINESELF

Function selector



S-10T-LINETD

Digital key pad



S-10DOORFOTOG

Pair of photocells



P-10T-LINEANT10

1 m support kit for framed leaf



S-10T-LINECRIS10

Aluminium clamp for frameless glass panels (thickness 10 mm), length 1 m

P-10T-LINEANT15

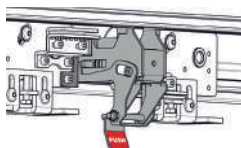
1,5 m support kit for framed leaf

P-10T-LINEANT20

2 m support kit for framed leaf

S-10T-LINECRIS15

Aluminium clamp for frameless glass panels (thickness 10 mm), length 1,5 m



S-10T-LINEBLOCL

Electromechanical lock with center release. Can only be used with 10TWAY2D and 10T-WAY2S. (It can be used on automatic doors with framed leaves with a maximum thickness of 50 mm)



S-10T-LINEBATT

Back up battery kit



S-10T-LINEBLOCF2

Electromechanical lock with side handle release. Can only be used with 10T-WAY2D and 10T-WAY2S



S-10T-WAYCING

Drive belt HTD 5 m 15 mm pack of 50 m



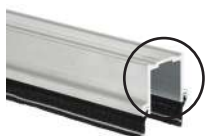
S-10T-LINE1250

Sliding plate for framed leaf. Compatible with S-10T-LINEPROFI



S-10T-LINE1240

Sliding plate for crystal leaf



S-T-LINEPROFI

T-line lower support (2 m bars)



S-T-LINESPA

Brush seal 4 m



S-10T-LINE1710S

Fixing plate for left-hand framed sliding leaf for telescopic door

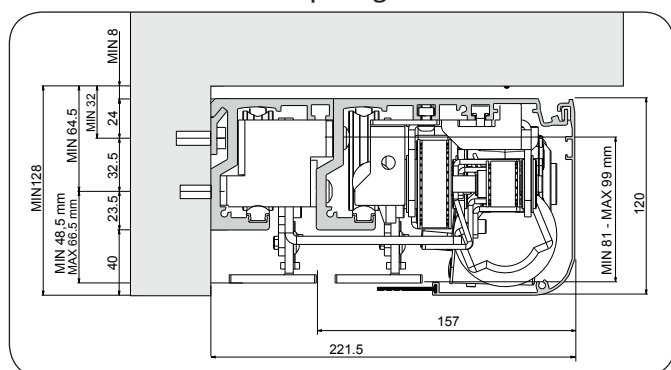


S-10T-LINE1710D

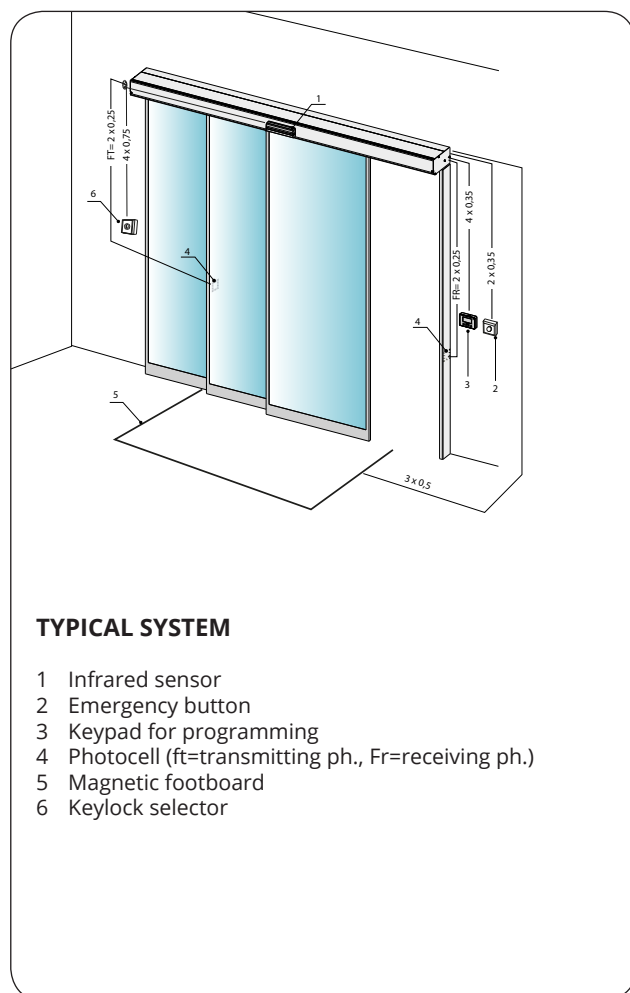
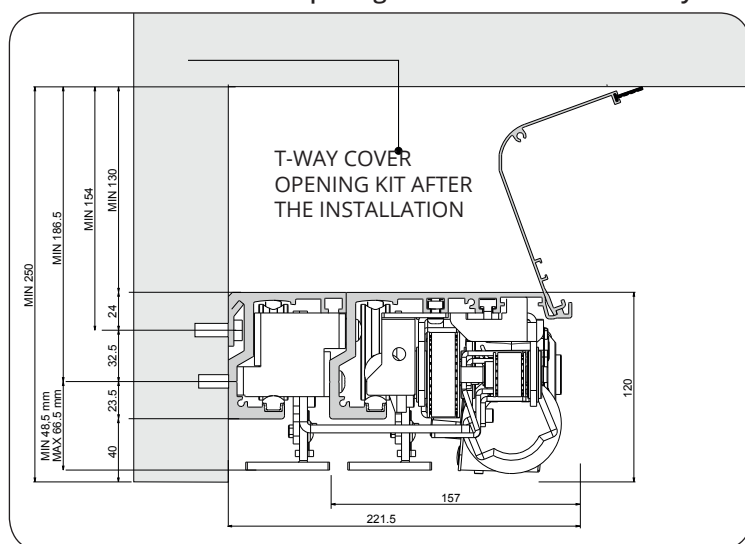
Fixing plate for right-hand framed sliding leaf for telescopic door

TECHNICAL DRAWINGS

Minimum dimensions for opening the cover with disassembly



Minimum dimensions for opening the cover with disassembly



TYPICAL SYSTEM

- 1 Infrared sensor
- 2 Emergency button
- 3 Keypad for programming
- 4 Photocell (ft=transmitting ph., Fr=receiving ph.)
- 5 Magnetic footboard
- 6 Keylock selector

Use and maintenance manuals



T-WAY



DC19

AUTOMATIC BARRIERS



RBLO automatic
barrier

Pag. 188

LUXE automatic
barrier

Pag. 206

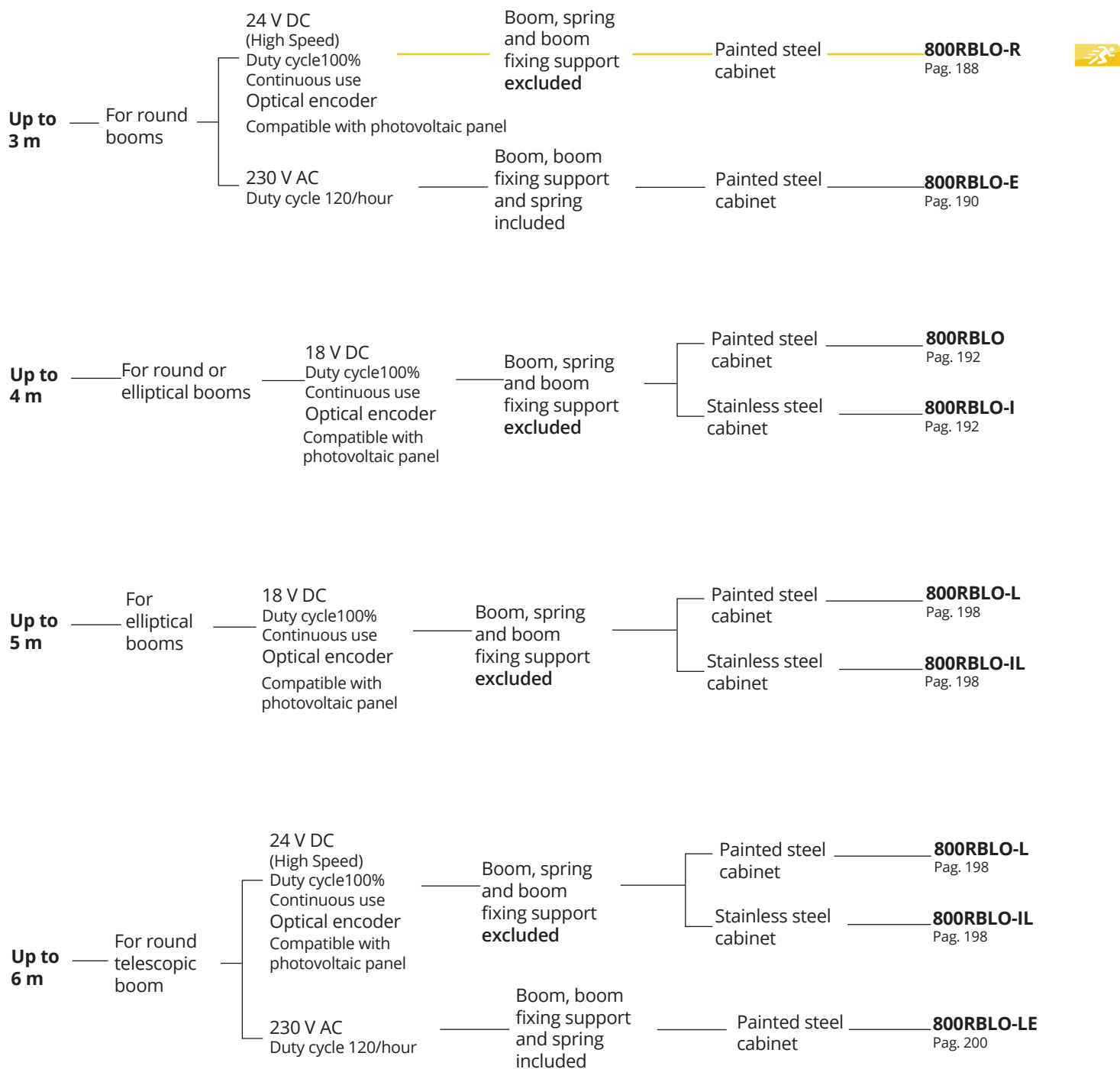
PARK space
saver

Pag. 212



SELECTION GUIDE

Automatic barrier for residential/commercial use





Automatic barrier for commercial use



Up to 7 m	For elliptical booms	18 V DC Duty cycle 100% Continuous use Optical encoder Compatible with photovoltaic panel	Painted steel cabinet	800LUXE Pag. 206
			Stainless steel cabinet	800LUXE/I Pag. 206

Park space saver for residential/commercial use



Manual		Normal		800PARKM Pag. 212	
		Large		800PARKXLM Pag. 214	
Automatic	18 V DC Duty cycle 100% Continuous use		Normal		800PARK Pag. 212
			Large		800PARKXL Pag. 214

**800RBLO-R** Dx/Sx

Fast 24 V automatic barrier for round booms up to 3 m complete with electronic control unit, 433,92 MHz rolling code radio receiver and battery charger. Painted steel cabinet. Boom, spring and boom fixing support to be ordered separately.

Boom, spring and boom fixing support are compulsory accessories of the automatic barrier. See page 194, 195, 196



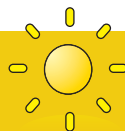
**Accessories for
RBLO series**
Page 194



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

HIGH SPEED

Ready for a new challenge.



+18% SPEED

Percentage calculated in comparison with the 230 Volt version



ALWAYS WORKING

Works also during power failures



DON'T GET IN THE WAY

Clear the lane quickly

RBLO-R opening time = 1,8 s



RBLO-E opening time = 2,2 s



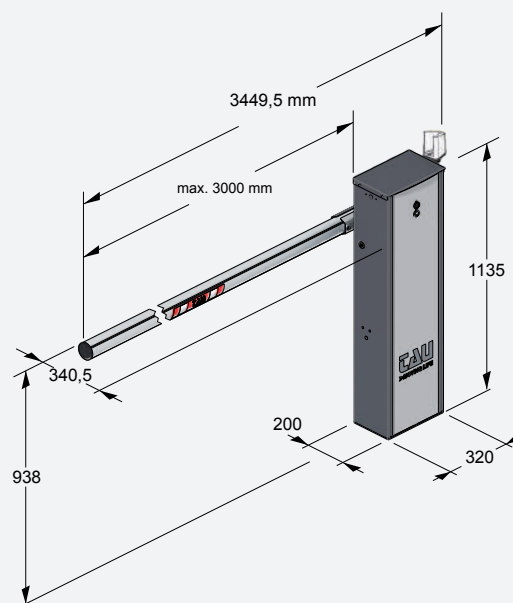
SAVE TIME

Technical features

RBLO-R

Power supply	230 V AC (50-60 Hz)
Motor power supply	24 V DC
Absorption	1 A
Power rating	250 W
Min. opening time 90°	1,8 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Degree of protection	IP 54
Max width of passage clearance	3 m
Electronic control unit	K206MA
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



**800RBLO-E** Dx/Sx

230 V barrier kit with 3 m boom, boom fixing support and spring included. The barrier has a painted steel cabinet and is complete with built-in electronic control unit and 433,2 MHz rolling code radio receiver.



**Accessories for
RBLO series**
Page 194



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential/commercial use
- for booms up to 3 m
- opening time 2,2 seconds
- steel cabinet protected by galvanic zinc coating and painted with epoxy powders
- pre-balanced boom and spring included
- stroke adjustment through electric limit switches

PROS:

- intensive use
- fast opening with soft start and soft stop
- ideal for busy entrances and car parks
- possibility to install photocells and flashing lights directly on the barrier cabinet
- electronic board positioned on the upper compartment for quick and easy access



PLUG & PLAY

The barrier is pre-balanced with the boom and the spring supplied and its stroke and deceleration already programmed, so it is ready to be put into operation.



RELIABILITY

The 230 Volt gearmotor and the mechanics used to move the boom are made with very high quality raw materials (steel and bronze).



EASY TRANSPORT

Thanks to the telescopic boom divided into three parts (1.25 m x 3) the barrier is packed in one single box (400 x 1270 x 275 mm).



K101M

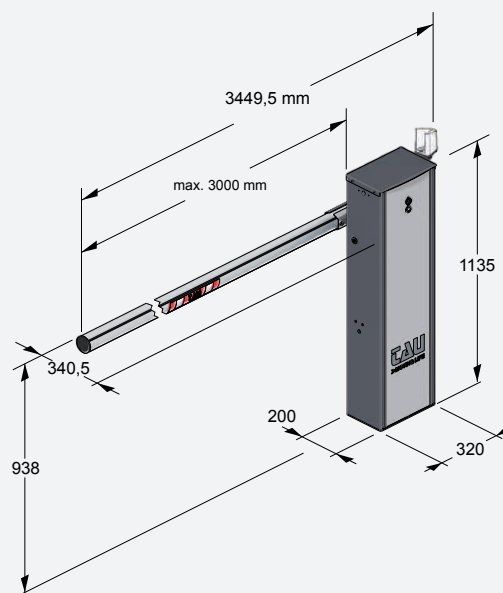
230 V control unit with integrated 433 MHz rolling code radio receiver. Set up for the use of the TauApp for adjustments and of the Tau Open for remote control by smartphone.

Technical features

RBLO-E

Power supply	230 V AC (50-60 Hz)
Motor power supply	230 V AC
Absorption	1,2 A
Power rating	180 W
Min. opening time 90°	2,2 s
Duty cycle	120/h
Operating temperature	-20° C ÷ +55° C
Degree of protection	IP 54
Max width of passage clearance	3 m
Electronic control unit	K101M
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



**800RBLO** Dx/Sx

Fast DC barrier for round or elliptical booms up to 4 m complete with built-in electronic control unit, 433,92 MHz rolling code radio receiver and battery charger. Painted steel cabinet. Boom, spring and boom fixing support to be ordered separately.

800RBLO-I Dx/Sx

Fast DC barrier for round or elliptical booms up to 4 m complete with built-in electronic control unit, 433,92 MHz rolling code radio receiver and battery charger. Stainless steel cabinet. Boom, spring and boom fixing support to be ordered separately.

Boom, spring and boom fixing support are compulsory accessories of the automatic barrier. See page 194, 195, 196



**Accessories for
RBLO series**
Page 194



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242



AVAILABLE



MADE IN
ITALY

FEATURES:

- residential/commercial use
- for booms up to 4 m
- opening time 2,2 seconds
- steel cabinet protected by galvanic zinc coating and painted with epoxy powders
- optical encoder technology

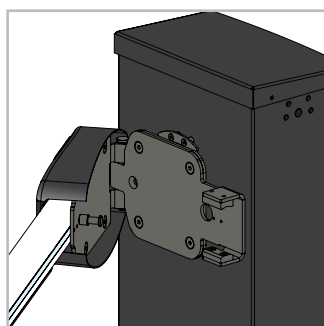
PROS:

- intensive use
- fast opening and closing with programmable acceleration/deceleration ramps
- ideal for busy entrances and car parks
- it works even during power cuts thanks to the optional back-up battery kit
- possibility to install photocells and flashing lights directly on the barrier cabinet
- in accordance with EN 12453 standards
- auto-learning of the stroke through optical encoder
- electronic board positioned on the upper compartment for quick and easy access
- obstacle detection and crush prevention



SPEED OF INSTALLATION

The cabinet can be easily installed on the right or left side by turning a simple lever.



BREAK OUT SYSTEM

The special joint of the boom with break out system (optional) allows to release and rotate the boom in case of crush, thus following the movement of a vehicle that breaks the barrier down.



SPRINGS

Depending on the length of the boom and on the accessories used, different types of springs are available for a correct balancing.

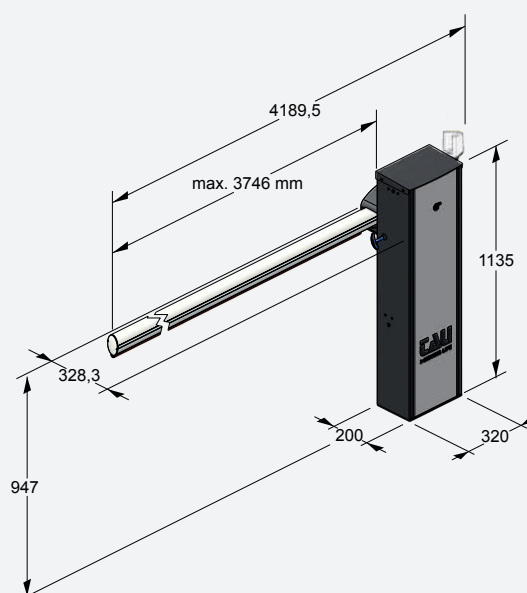


GEARS

A reduction of seven gears, entirely of carbon steel and aluminum bronze, guarantees absolute torque and resistance.

Technical features	RBLO / RBLO-I
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Absorption	1 A
Power rating	250 W
Min. opening time 90°	2,2 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Degree of protection	IP 54
Max width of passage clearance	4 m
Electronic control unit	K206MA
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



ACCESSORIES

SPRINGS



M-060MGREENL
Spring wire Ø 4,2 mm, load
50 kg (light green)



M-060MGREEN
Spring wire Ø 5,2 mm, load
90 kg (green)



M-060MBLU
Spring wire Ø 6,2 mm, load
155 kg (Blue)



M-060MRED
Spring wire Ø 7 mm,
load 185 kg (red)



M-060MYELLOW
Spring wire Ø 9 mm, load
370 kg (yellow)

Springs for round booms

SPRING	A)	M-060MGREENL (ø 4,2 mm) Color: Light green RAL 6019	B)	M-060MGREEN (ø 5,2 mm) Color: Green RAL 6002			
	C)	M-060MBLU (ø 6,2 mm) Color: Blue RAL 5003	D)*	M-060MRED (ø 7 mm) Color: Red RAL 3000			
BAR AND ACCESSORIES			BAR LENGHT				
			2 m	2,5 m	3 m	3,5 m	4 m
800AFI4 (RBLO) / 800ABT1 (RBLO-E)			A	A			
800AFI4 (RBLO) / 800ABT1 (RBLO-E) + 800AT			A	A	B	C	D

The RBLO-E barrier is supplied as standard with the "B" spring (M-060MGREEN), suitable for booms up to 3 m. For different boom lengths or when further optionals are to be installed please order a different spring as per enclosed chart.

For boom lengths equal or greater than 3 mt. it MUST USE (compulsory) the ground boom support or the pendulum support.

Springs for elliptical booms

SPRING	A)	M-060MGREENL (ø 4,2 mm) Color: Light green RAL 6019	B)	M-060MGREEN (ø 5,2 mm) Color: Green RAL 6002	C)	M-060MBLU (ø 6,2 mm) Color: Blue RAL 5003
	D)*	M-060MRED (ø 7 mm) Color: Red RAL 3000	E)	M-060MYELLOW (ø 9 mm) Color: Yellow RAL 1004		

BAR AND ACCESSORIES	BAR LENGHT				
	2 m	2,5 m	3 m	3,5 m	4 m
800AE	A	A	-	-	
800AE + 800AT	A	A	C	D	D*
800AE + 800FPL	-	-	-	D*	-
800AE + 800AT + 800XABTSE	-	-	E	E	E

* Eyelet in max. load position.

For different boom lengths or when further optionals are to be installed please order a different spring as per enclosed chart.

For boom lengths equal or greater than 3 mt. it MUST USE (compulsory) the ground boom support or the pendulum support.

ATTENTION: FOR ELLIPTIC BOOM IS REQUIRED THE RUBBER PROFILE (800PG4 - 800PG8).

ROUND BOOM ACCESSORIES



800ABT1

Anodized aluminium round section telescopic boom Ø 75 mm, 3 m, c/w adhesive refractor strips



800AFI3

3 m anodized aluminium Ø 70 mm round section boom with red adhesive refractor stripes

800AFI4

Anodized aluminium round section boom Ø 70 mm, 4 m, complete with adhesive refractor strips



800RBLO-L041

Fixing support for Ø 75 mm round boom 800ABT. Plastic cover included

800RBLO-L052

Fixing support for Ø 70 mm round boom 800AFI. Plastic cover included



800SFA

Boom break-out system

ELLIPTICAL BOOM ACCESSORIES



800RBLO-L043

Elliptical boom fixing support for booms up to 4 m. Plastic cover included



800KSFA

Break-out system for elliptical boom max 3 m. (Not usable in the presence of: 800ATE/800ATR/800AT)

NEW



800LARG4*

LED flashing lights (red&green) for both sides of the boom. Single piece 8 m long



800AE2

Elliptical white painted aluminium boom, 2 m. Flashing LED lights and rubber bead to be ordered separately



800LA4

LED flashing lights for both sides of the boom. Single piece 8 m long



800AE3

Elliptical white painted aluminium boom, 3 m. Flashing LED lights and rubber bead to be ordered separately



800PG4

4 m rubber bead for elliptical boom



800XABTSE

Joint for elliptical boom



800ATE

Boom support with electromagnet



800FPL

Pendulum boom support. For boom max 3,5 m

* It is possible to programme its operation through T-WIFI + TauApp

ACCESSORIES

COMMON ACCESSORIES



800ATR

Adjustable boom support. Maximum height 955 mm



800AT

Fixed boom support h 865 mm



900TOWERF

Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



800CPRBL

Counterplate



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250SM126

Memory card for 126 radio codes

250SM254

Memory card for 254 radio codes

250SM1022

Memory card for 1022 radio codes



300SA1

Magnetic loop detector



900T-COMM

Interface to connect two control units as Master/Slave (Activation through TAUPROG handheld device)



200BATT

12 V back-up battery, 7,2 Ah with cable (RBLO-E excluded)



M-030KITKB20

Battery cables kit (20 pcs) (RBLO-E excluded)



900VLED

Low voltage 12-18-24 Volt white led flashing light

900VLED-AT

230 V AC white led flashing light (RBLO-E)



250S-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz



250T-WIFI

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



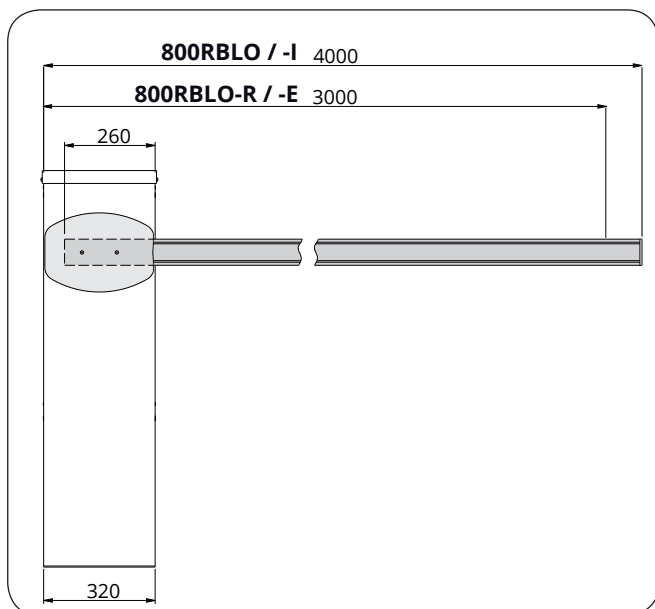
250T-CONNECT

NEW

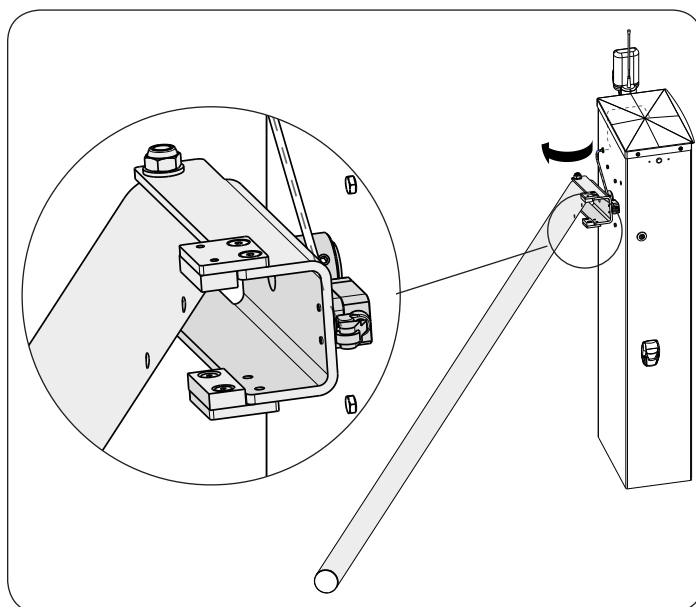
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

TECHNICAL DRAWINGS

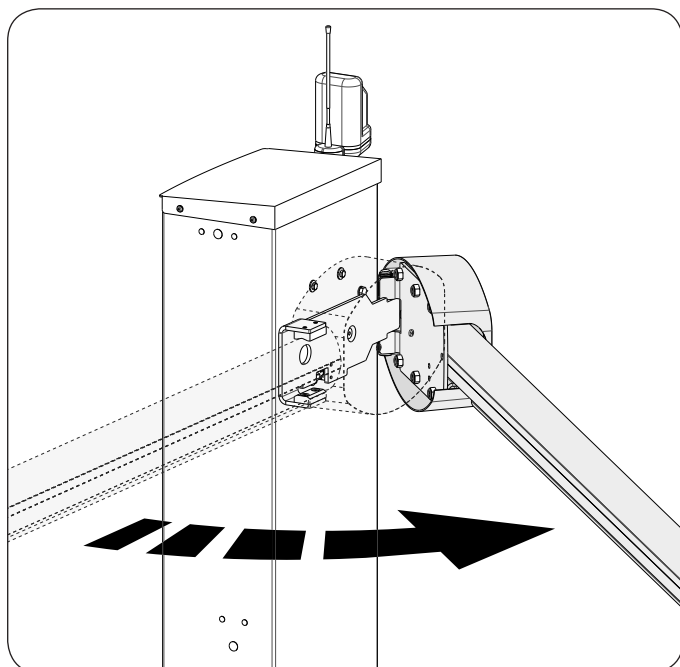
Boom length and clear opening



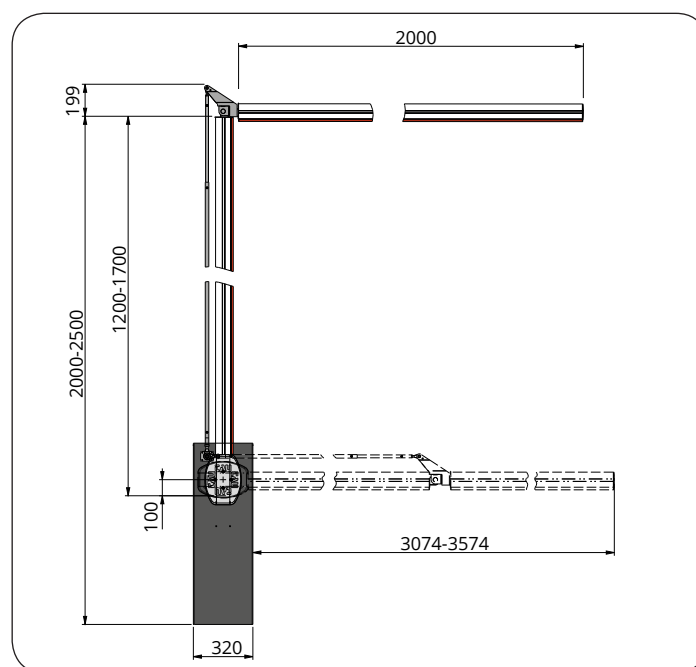
Breakout system for round boom



Breakout system for elliptical boom



Articulated joint for elliptical boom



Use and maintenance manuals



RBLO



K206MA



K101M

**800RBLO-L** Dx/Sx

DC automatic barrier for round booms up to 6 m or elliptical booms up to 5 m complete with built-in control unit, 433,92 MHz rolling code radio receiver and battery charger. Painted steel cabinet. Boom, spring and boom fixing support to be ordered separately.

800RBLO-IL Dx/Sx

DC automatic barrier for round booms up to 6 m or elliptical booms up to 5 m complete with built-in control unit, 433,92 MHz rolling code radio receiver and battery charger. Stainless steel cabinet. Boom, spring and boom fixing support to be ordered separately.

Boom, spring and boom fixing support are compulsory accessories of the automatic barrier. See page 202, 203, 204



**Accessories for
RBLO-L series**
Page 202



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- residential/commercial use
- for booms up to 6 m
- opening time 3,5 seconds
- steel cabinet protected by galvanic zinc coating and painted with epoxy powders
- optical encoder technology

PROS:

- intensive use
- fast opening and closing with programmable acceleration/deceleration ramps
- ideal for busy entrances and car parks
- possibility to install photocells and flashing lights directly on the barrier cabinet
- it works even during power cuts thanks to the optional back-up battery kit
- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- auto-learning of the stroke through optical encoder
- electronic board positioned on the upper compartment for quick and easy access



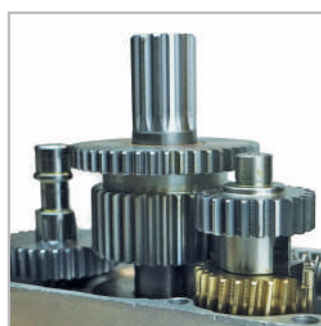
SPRINGS

Depending on the length of the boom and on the accessories used, different types of springs are available for a correct balancing.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the stroke.



GEARS

A reduction of seven gears, entirely of carbon steel and aluminum bronze, guarantees absolute torque and resistance.

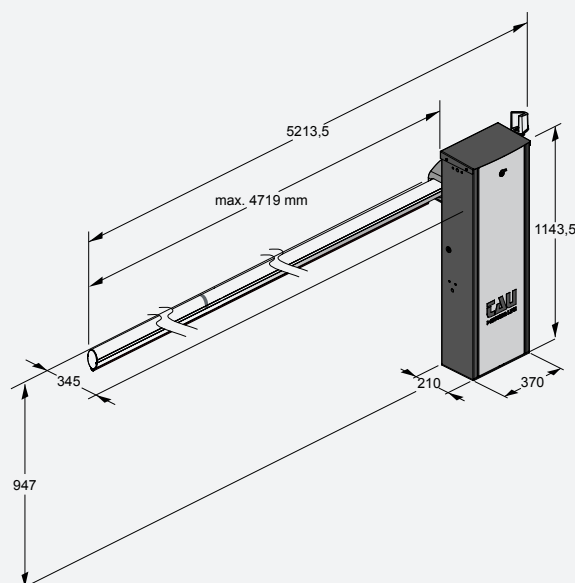


HIGH PERFORMANCE

The sturdiness and strength are guaranteed by the special game of mechanical levers.

Technical features	RBLO-L / RBLO-IL
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Absorption	1 A
Power rating	250 W
Min. opening time 90°	3,5 s
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Degree of protection	IP 44
Max width of passage clearance	6 m
Electronic control unit	K206MA
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



AUTOMATIC BARRIER

RBLO-LE

230 V

For booms
up to 6 m

Opening time
4,5 s



800RBLO-LE Dx/Sx

230 V barrier kit with **boom fixing support, spring and 6 m round telescopic boom included**, complete with built-in control unit and 433,92 MHz rolling code radio receiver. Painted steel cabinet.



**Accessories for
RBLO-L series**
Page 202



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242

FEATURES:

- residential/commercial use
- for booms up to 6 m
- opening time 4,5 seconds
- stroke adjustment through electric limit switches
- steel cabinet protected by galvanic zinc coating and painted with epoxy powders

PROS:

- intensive use
- fast opening with soft start and soft stop
- ideal for busy entrances and car parks
- possibility to install photocells and flashing lights directly on the barrier cabinet
- obstacle detection and crush prevention
- electronic board positioned on the upper compartment for quick and easy access



PLUG & PLAY

The barrier is pre-balanced with the boom and the spring supplied and its stroke and deceleration already programmed, so it is ready to be put into operation.



HIGH PERFORMANCE

The sturdiness and strength are guaranteed by the special game of mechanical levers.



SPRINGS

Depending on the length of the boom and on the accessories used, different types of springs are available for a correct balancing.

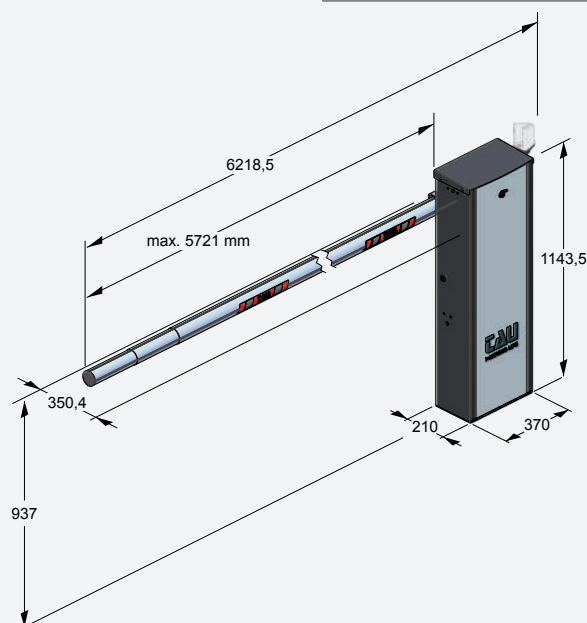


K101M

230 V control unit with integrated 433 MHz rolling code radio receiver. Set up for the use of the TauApp for adjustments and of the Tau Open for remote control by smartphone.

Technical features	RBLO-LE
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	230 V AC
Absorption	1 A
Power rating	180 W
Min. opening time 90°	4,5 s
Duty cycle	120/h
Operating temperature	-20° C ÷ +55° C
Degree of protection	IP 44
Max width of passage clearance	6 m
Electronic control unit	K101M
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



ACCESSORIES

SPRINGS



M-060MGREEN
Spring wire Ø 5,2 mm, load
90 kg (green)



M-060MBLU
Spring wire Ø 6,2 mm,
load 155 kg (Blue)



M-060MRED
Spring wire Ø 7 mm,
load 185 kg (red)

Springs for round booms

SPRING			B)	M-060MGREEN (ø 5,2 mm) Color: Green RAL 6002			
	C)	M-060MBLU (ø 6,2 mm) Color: Blue RAL 5003	D)*	M-060MRED (ø 7 mm) Color: Red RAL 3000			
BAR AND ACCESSORIES			BAR LENGHT				
			4 m	4,5 m	5 m	5,5 m	6 m
800ABT2 + 800AT			B	C	C	C	D
800ABT2 + 800FPT2			C	C	C	D	D
BAR AND ACCESSORIES (RBLO-LE)							
800ABT2 + 800AT			B	B	C	C	C

For boom lengths equal or greater than 5 mt. it MUST USE (compulsory) the ground boom support or the pendulum support.

Springs for elliptical booms

SPRING	B)	M-060MGREEN (Ø 5,2 mm) Color: Green RAL 6002	C)	M-060MBLU (ø 6,2 mm) Color: Blue RAL 5003	
	D)*	M-060MRED (ø 7 mm) Color: Red RAL 3000			
BAR AND ACCESSORIES			BAR LENGHT		
			4 m	4,5 m	5 m
800AE + 800PG + 800AT			B	C	**D
800AE + 800PG + 800FPL			C	D	D
800AE + 800GA2 + 800AT			D	-	-
800AE + 800GA2 + 800FPL			D	-	-

For bars with useful passage exceeding 5m, it is COMPULSORY to use the 800RA reinforcement.

With mobile support (800FPL) or rack (800GA2), it is COMPULSORY to use the 800RA reinforcement.

For boom lengths equal or greater than 5 mt. it MUST USE (compulsory) the ground boom support or the pendulum support.

ATTENTION: FOR ELLIPTIC BOOM IS REQUIRED THE RUBBER PROFILE (800PG4 - 800PG8).

ROUND BOOM ACCESSORIES



800RBLO-L041

Fixing support for \varnothing 75 mm round boom 800ABT. Plastic cover included



800FPT2

Pendulum boom support for round boom



800ABT2

Anodized aluminium round section telescopic boom, 6 m, c/w adhesive refractor strips

ELLIPTICAL BOOM ACCESSORIES



800RBLO-L043

Elliptical boom fixing support for booms up to 4 m. Plastic cover included



800KSFA

Break-out system for elliptical boom max 3 m. (Not usable in the presence of: 800ATE/800ATR/800AT)

NEW



800PG8

8 m rubber bead for elliptical boom



800XABTSE

Joint for elliptical boom



800FPL

Pendulum boom support. For boom max 3,5 m



800ATE

Boom support with electromagnet



800GA2

Aluminium bottom skirt 165 cm



800PGA2

Aluminium bottom skirt extension l = 2 m (It's mandatory to first install the 800GA2)



800AE2

Elliptical white painted aluminium boom, 2 m. Flashing LED lights and rubber bead to be ordered separately

800AE3

Elliptical white painted aluminium boom, 3 m. Flashing LED lights and rubber bead to be ordered separately

800AE4

Elliptical white painted aluminium boom, 4 m. Flashing LED lights and rubber bead to be ordered separately

800AE5

Elliptical white painted aluminium boom, 5 m. Flashing LED lights and rubber bead to be ordered separately



800LA4

LED flashing lights for both sides of the boom. Single piece 8 m long

800LA8

LED flashing lights for both sides of the boom. Double piece 8+8 m long



800LARG4*

LED flashing lights (red&green) for both sides of the boom. Single piece 8 m long

800LARG8*

LED flashing lights (red&green) for both sides of the boom. Double piece 8+8 m long

* It is possible to programme its operation through T-WIFI + TauApp

ACCESSORIES

COMMON ACCESSORIES



800ATR

Adjustable boom support. Maximum height 955 mm



800AT

Fixed boom support h 865 mm



900TOWERF

Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



800CPRBLO-L

Counterplate



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



250SM126

Memory card for 126 radio codes



300SA1

Magnetic loop detector

250SM254

Memory card for 254 radio codes

250SM1022

Memory card for 1022 radio codes



900T-COMM

Interface to connect two control units as Master/Slave (Activation through TAUPROG handheld device)



200BATT

12 V back-up battery, 7,2 Ah with cable (RBLO-LE excluded)



M-030KITKB20

Battery cables kit (20 pcs) (RBLO-LE excluded)



900VLED

Low voltage 12-18-24 Volt white led flashing light



250S-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz

900VLED-AT

230 V AC white led flashing light (RBLO-LE)



250T-WIFI

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



250T-CONNECT

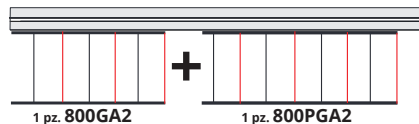
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

NEW

GUIDE TO THE COMPOSITION OF THE SKIRT



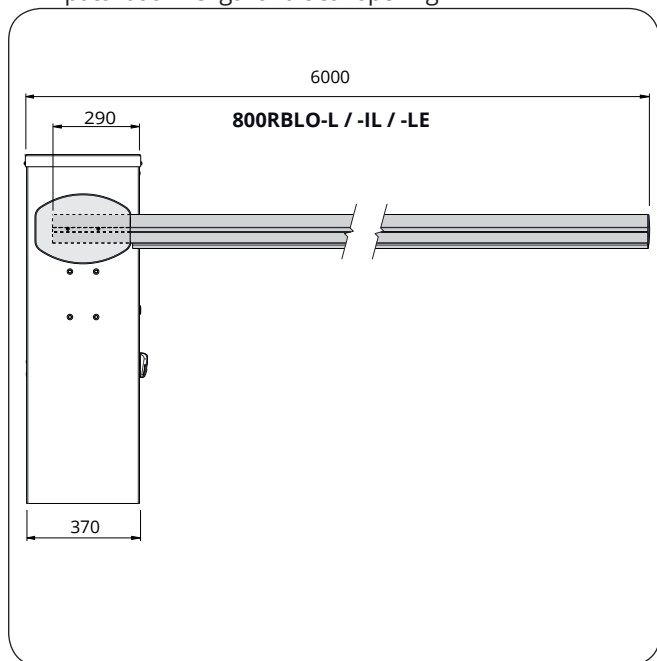
Boom of 4 m: n°1 800GA2 + n°1 800PGA2



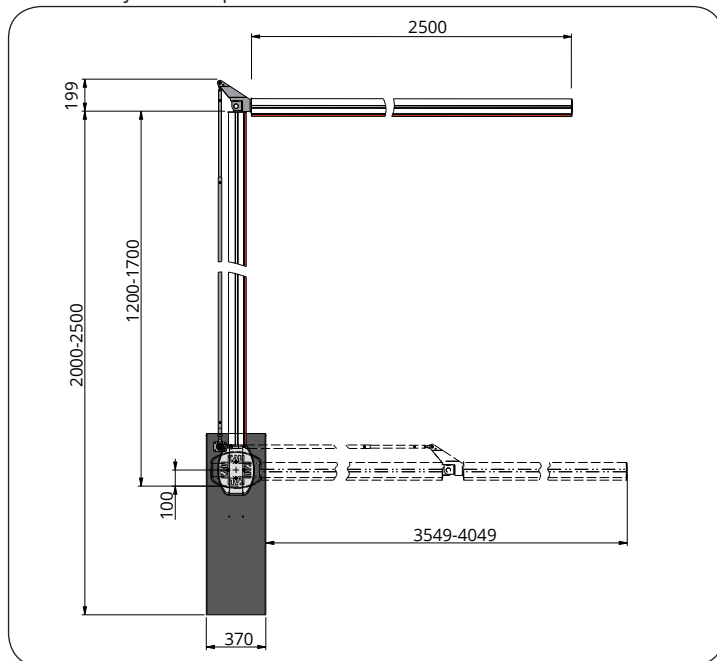
= 4 m

TECHNICAL DRAWINGS

Elliptical boom length and clear opening



Articulated joint for elliptical boom



Use and maintenance manuals



RBLO-L



K206MA



K101M

AUTOMATIC BARRIER

LUXE

LUXE/I

DC
MOTOR

For booms
up to 7 m

Opening time
6 s



800LUXE Dx/Sx

DC automatic barrier with painted cabinet for booms up to 7 m, complete with built-in electronic control board, radio receiver and battery charger. Springs, boom and flashing lights must be ordered separately.

800LUXE/I Dx/Sx

DC automatic barrier with stainless steel cabinet for booms up to 7 m, complete with built-in electronic control board, radio receiver and battery charger. Springs, boom and flashing lights must be ordered separately.



**Accessories for
LUXE series**
Page 208



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

- commercial use
- for booms up to 7 m
- low voltage DC motor
- optical encoder technology

PROS:

- intensive use
- works even during power outage thanks to the optional backup battery
- obstacle detection and crush prevention
- in accordance with EN 12543 standards
- auto-learning of the stroke through optical encoder



TWIN SPRING SYSTEM

The twin spring system is easily adjustable according to the length of the boom. No additional tools needed. Different models of springs available according to the features of the installation.



BLACK OUT

Works even during power outage thanks to the optional backup battery. Built-in battery charger comes standard.



MECHANICS OF EXCELLENCE

The GS600 gear, coupled to a hardened and ground endless screw, ensures absolute strength and smoothness.



ILLUMINATED CABINET (optional)

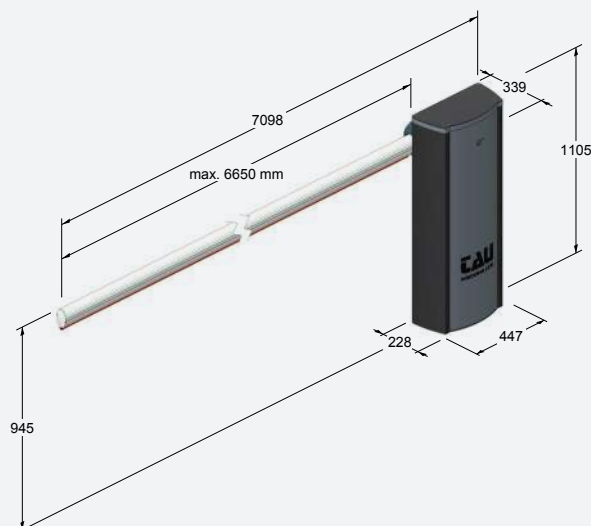
Led flashing light strip, integrated in the upper part of the barrier and combinable with the boom, to signal the movement. Also available in traffic light version (optional).

Technical features

LUXE - LUXE/I

Frequency	50 - 60 Hz
Power supply	230 V AC $\pm 10\%$
Power rating	300 W
Motor power supply	18 V DC
Absorption	2,8 A
Reduction ratio	1/512
Min. opening time	6 s
Degree of protection	IP 54
Duty cycle	100 %
Operating temperature	-20°C ÷ +55°C
Min width of passage clearance	4 m
Max width of passage clearance	7 m
Weight	70 kg
Electronic control unit	K206MA
Endurance test	more than 1.000.000 opening and closing maneuvers

TECHNICAL DRAWINGS



ACCESSORIES

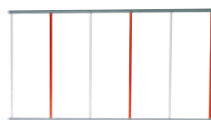
ACCESSORIES



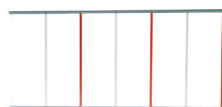
800ABTSE
Joint for elliptical boom (LUXE)



800FPL
Pendulum boom support



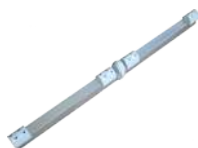
800GA2
Aluminium bottom skirt 165 cm



800PGA2
Aluminium bottom skirt extension, $l = 2$ m Max 6 m for Luxe. (It's mandatory to first install the 800GA2)



800RA
Reinforcement insert for elliptical boom longer than 5 m



800GI
Joint for elliptical boom



800PG8
8 m rubber bead for elliptical boom



800ATE
Boom support with electromagnet



800AE2
Elliptical white painted aluminium boom, 2 m. Flashing LED lights and rubber bead to be ordered separately

800AE3
Elliptical white painted aluminium boom, 3 m. Flashing LED lights and rubber bead to be ordered separately

800AE4
Elliptical white painted aluminium boom, 4 m. Flashing LED lights and rubber bead to be ordered separately

800AE5
Elliptical white painted aluminium boom, 5 m. Flashing LED lights and rubber bead to be ordered separately



800LA4
LED flashing lights for both sides of the boom. Single piece 8 m long

800LA8
LED flashing lights for both sides of the boom. Double piece 8+8 m long



800LL
LED flashing lights for LUXE cabinet

800LARG4*
LED flashing lights (red&green) for both sides of the boom. Single piece 8 m long

800LARG8*
LED flashing lights (red&green) for both sides of the boom. Double piece 8+8 m long

800LLRG
LED flashing lights for LUXE cabinet (red&green)



800CPL
Luxe counterplate



800AT
Fixed boom support h 865 mm

* It is possible to programme its operation through T-WIFI + TauApp



800ATR
Adjustable boom support. Maximum height 955 mm



900TOWERM
10 cm side photocells mounting post



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



200KBL
Battery kit (LUXE)



250SM126
Memory card for 126 radio codes



300SA1
Magnetic loop detector

250SM254
Memory card for 254 radio codes

250SM1022
Memory card for 1022 radio codes



900T-COMM
Interface to connect two control units as Master/Slave (Activation through TAUPROG handheld device)



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



250S-4RP
Four-channel transmitter, rolling code technology, 433,92 MHz



250T-CONNECT NEW
Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate



800LUXSFA
Boom break-out system for elliptical boom (LUXE). Max 4 m. (Not usable in the presence of: 800ATE/800ATR/800AT)

ACCESSORIES

SPRINGS



M-060MGREEN
Spring wire Ø 5,2 mm, load 90 kg (green)



M-060MBLU
Spring wire Ø 6,2 mm, load 155 kg (Blue)



M-060MRED
Spring wire Ø 7 mm, load 185 kg (red)



M-060MYELLOW
Spring wire Ø 9 mm, load 370 kg (yellow)

Springs for elliptical booms

SPRING	B)	M-060MGREEN (ø 5,2 mm) Color: Green RAL 6002			C)	M-060MBLU (ø 6,2 mm) Color: Blue RAL 5003		
	D)*	M-060MRED (ø 7 mm) Color: Red RAL 3000			E)	M-060MYELLOW (ø 9 mm) Color: Yellow RAL 1004		
BAR AND ACCESSORIES	BAR LENGHT							
	4 ÷ 4,24 (m)	4,25 ÷ 4,74 (m)	4,75 ÷ 5,24 (m)	5,25 ÷ 5,74 (m)	5,75 ÷ 6,24 (m)	6,25 ÷ 6,74 (m)	6,75 ÷ 7 (m)	
800AE + 800PG	B+B	B+C ¹	C ² +D	-	-	-	-	
800AE + 800AT + 800ABTSE	B ² +D	C+C	C+C	-	-	-	-	
800AE + 800AT + 800PG	B+B	B+C ¹	C ² +D	D+D	D+E ¹	D+E ¹	E+E	
800AE + 800FPL + 800PG	B+C ¹	C+C	D+D	D ² +E	D+E ¹	D+E ¹	E+E	
800AE + 800AT + 800GA2	B+B	C+C	D+D	D ² +E	D ² +E	-	-	
800AE + 800FPL + 800GA2	B ² +C	C+C	D ² +E	D ² +E	E+E	-	-	
800AE5 + 800AT + 800PG8 *	B+A ²	B+B	B ² +C	-	-	-	-	

¹ The strongest spring must be installed on the side of the vehicle entrance.

² The weakest spring must be installed on the side of the vehicle entrance.

For booms with a clear opening of 5 or more metres the use of the reinforcement insert 800RA is **COMPULSORY**.

With mobile support (800FPL) or rack (800GA2), it is **COMPULSORY** to use the 800RA reinforcement.

For boom lengths equal or greater than 5 m it **MUST USE** (compulsory) the ground boom support or the pendulum support.

ATTENTION: FOR ELLIPTIC BOOM IS REQUIRED THE RUBBER PROFILE (800PG4 - 800PG8).

solution for boom lengths between 4 and 5 m - Do not assemble the boom 800AE5 with the joint 800GI

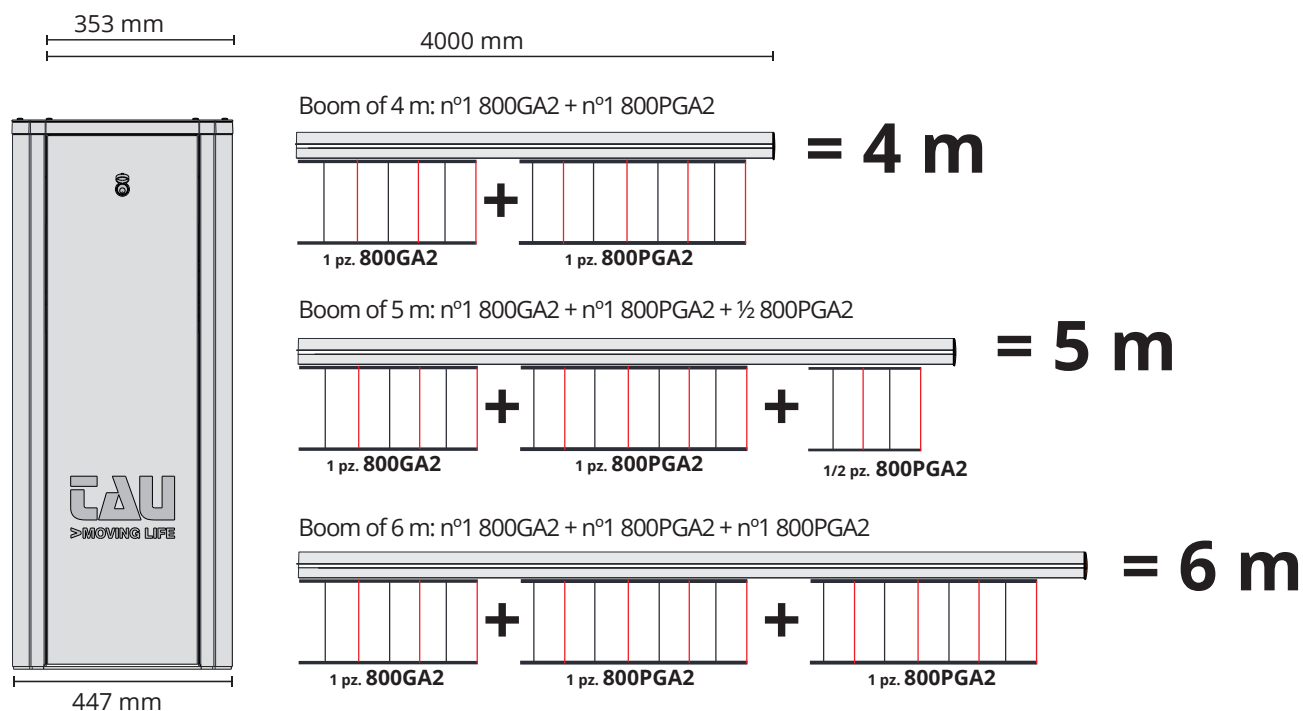
GUIDE TO CHOOSE AND COMBINE BOOMS AND ACCESSORIES



	800AE4	+ 800FPL + 800PG	4 m
	800AE5	+ 800FPL + 800PG	5 m
+ 800RA +	800AE3	+ 800GI + 800AE2	5 m
+ 800RA +	800AE3	+ 800GI + 800AE3	6 m
+ 800RA +	800AE4	+ 800GI + 800AE3	7 m

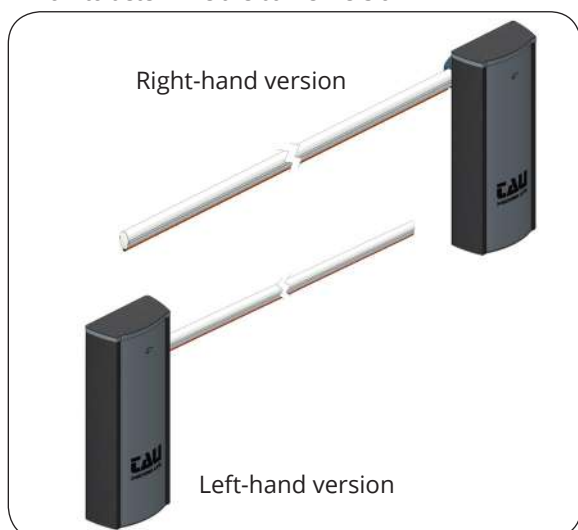
All the booms must be fitted with rubber profile (800PG4 - 800PG8). All the booms are predisposed for led signal lights (800LA4 - 800LA8), pendulum fork (800FPL) and aluminium bottom skirt (800GA2).

GUIDE TO THE COMPOSITION OF THE SKIRT

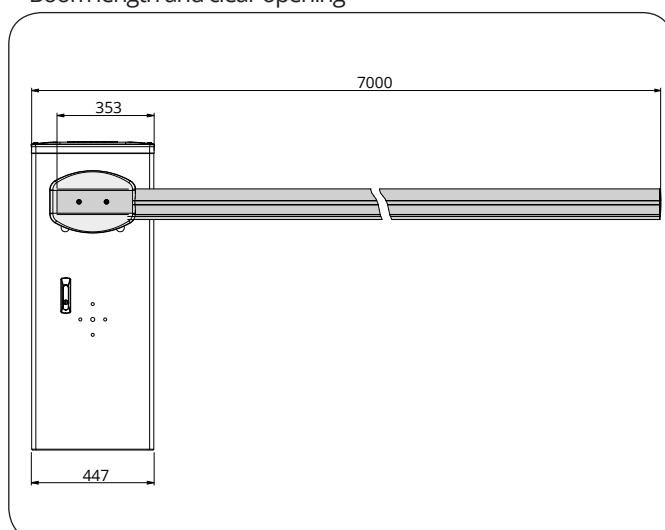


TECHNICAL DRAWINGS

How to determine the barrier version



Boom length and clear opening



Use and maintenance manuals



LUXE



K206MA

SPACE SAVER

PARK

M

DC
MOTOR

Opening
time 5 s



800PARK

DC automatic park space saver.

800PARKM

Manual park space saver without motor.



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

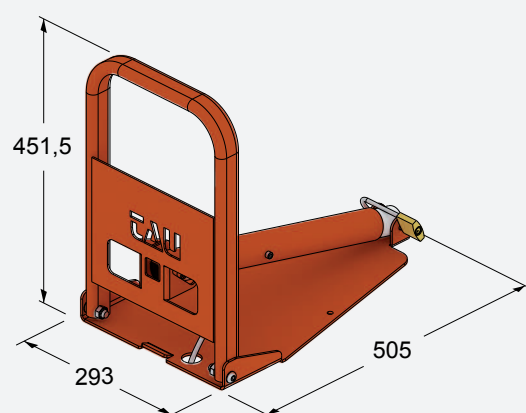
- residential, industrial and public use
- low voltage DC motor
- opening time 5 seconds
- radio-controlled operation
- manual key release

PROS:

- fast opening
- ideal to save the park space
- obstacle detection and crush prevention

TECHNICAL DRAWINGS

Technical features	PARK
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Absorption	1,6 A
Absorbed power	30 W
Operating time	5 s
Duty cycle	100 %
Resistance to weight	2,5 kg/cm ²
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54



ACCESSORIES



750D780M

Electronic control unit for a single PARK parking space saver with built-in radio receiver (expandable up to 4 units)



750EXP780M

Single expansion module for D780M



200BATT

12 V back-up battery, 7,2 Ah with cable



750SCB12C

Battery charger (optional)



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250T-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz, complete with support

SPACE SAVER

PARK

XL XLM

DC
MOTOR

Opening
time 5 s



800PARKXL

DC automatic park space saver plus.

800PARKXLM

Manual park space saver plus without motor.



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page 242

FEATURES:

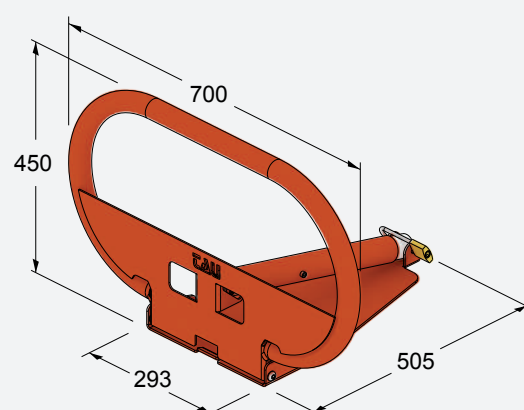
- residential, industrial and public use
- low voltage DC motor
- opening time 5 seconds
- radio-controlled operation
- manual key release

PROS:

- fast opening
- ideal to save the park space
- obstacle detection and crush prevention

TECHNICAL DRAWINGS

Technical features	PARKXL
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Absorption	1,6 A
Absorbed power	30 W
Operating time	5 s
Duty cycle	100 %
Resistance to weight	2,5 kg/cm ²
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 54



ACCESSORIES



750D780M

Electronic control unit for a single PARK parking space saver with built-in radio receiver (expandable up to 4 units)



750EXP780M

Single expansion module for D780M



200BATT

12 V back-up battery, 7,2 Ah with cable



750SCB12C

Battery charger (optional)



250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz



250T-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz, complete with support

WINDOWS & SHUTTERS



T-WIN operator

Pag.

MRC-M operator

Pag.

MRC operator

Pag.

MF30 operator

Pag.



SELECTION GUIDE

Operator for roller shutters

➤ All gearmotors can open a maximum shutter height of 8 m



Max 140 kg	230 V AC	Shaft Ø 48-60 mm Crown Ø 200-220 mm	850T-WIN22 Pag. 220
Max 180 kg	230 V AC	Shaft Ø 48-60 mm Crown Ø 200-220 mm	850T-WIN22P Pag. 220
		Shaft Ø 76 mm Crown da Ø 240 mm	850T-WIN24 Pag. 220
Max 320 kg	230 V AC	Shaft Ø 76 mm Crown da Ø 240 mm	850T-WIN24BM Pag. 220

Operator for awnings and shutters

➤ All gearmotors have a 45 mm diameter and they come with support and Ø 70 mm adapter. Suitable for awnings up to a maximum of 4 m projection



Lifting Power 38 kg	230 V AC	20 N m	Hand crank function	850MRC20M Pag. 222
Lifting Power 56 kg	230 V AC	30 N m	Hand crank function	850MRC30M Pag. 222
Lifting Power 76 kg	230 V AC	40 N m	Hand crank function	850MRC40M Pag. 222
Lifting Power 94 kg	230 V AC	50 N m	Hand crank function	850MRC50M Pag. 222

Operator for interior blinds and shutters



➤ All gearmotors have a 45 mm diameter and they come with support and Ø 60 mm octagonal adapter

Lifting Power _____ 230 V AC _____ 10 N m _____ **850MRC10**
18 kg _____ Pag. 224

Lifting Power _____ 230 V AC _____ 20 N m _____ **850MRC20**
38 kg _____ Pag. 224

Lifting Power _____ 230 V AC _____ 30 N m _____ **850MRC30**
56 kg _____ Pag. 224

Lifting Power _____ 230 V AC _____ 40 N m _____ **850MRC40**
76 kg _____ Pag. 224

Lifting Power _____ 230 V AC _____ 50 N m _____ **850MRC50**
94 kg _____ Pag. 224

Operator for top or bottom hinged windows



Max 30 kg _____ 230 V AC _____ Adjustable stroke from the _____ **850MF30**
Maximum load _____ outside at 20 and 38 cm _____ Pag. 226
capacity 300 N

OPERATOR

T-WIN

22

22P

24

24BM

230 V

Maximum weight
320 kg



850T-WIN22

230 V central motor, shaft Ø 48-60 mm, crown Ø 200-220 mm;
Maximum weight 140 kg.

850T-WIN22P

230 V central motor, shaft Ø 48-60 mm, crown Ø 200-220 mm;
Maximum weight 180 kg.

850T-WIN24

230 V central motor, shaft Ø 76 mm, crown Ø 240 mm; Maxi-
mum weight 180 kg.

850T-WIN24BM

230 V central motor, shaft Ø 76 mm, crown Ø 240 mm; Maxi-
mum weight 320 kg.



Further accessories:
Transmitters page 234
Photocells page 239
Flashing lights page
242



MADE IN
ITALY

FEATURES:

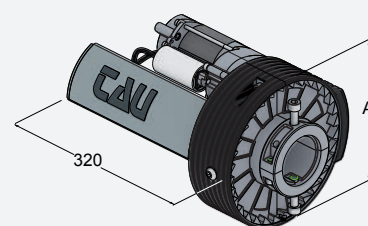
- residential / commercial use
- lifting capacity up to 320 kg
- 230 V gate operator
- built-in mechanical limit switches
- electrical brake (optional, P/N 850BRK)

PROS:

- suitable for existing roller shutters
- adapters for shaft Ø 48, 60 or 76 mm
- robust, maintenance-free

Technical features	T-WIN22	T-WIN22P	T-WIN24	T-WIN24BM
Power supply	230 V AC \pm 10% (50 - 60 Hz)			
Motor power supply	230 V AC			
Absorption	1,6 A	2 A	2,8 A	5,7 A
Absorbed power	400 W	600 W	600 W	1200 W
Crown Speed	10 rpm			
Lifting Power	140 kg	180 kg	180 kg	320 kg
Operating temperature	$-20^{\circ}\text{C} \div +80^{\circ}\text{C}$			
Motor thermal protection	150° C			
Degree of protection	IP 32			
Shutter max height	8 m			

TECHNICAL DRAWINGS



A	
T-WIN22	Ø 200
T-WIN22P	Ø 200
T-WIN24	Ø 240
T-WIN24BM	Ø 240

ACCESSORIES



850BRK
Electrical brake system*



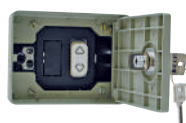
300TKEY
Die-cast aluminium key switch



300BEPS
External surface-mounted pushbutton
with tamperproof housing



300TKEYD
Europrofile cylinder, die-cast aluminium key
switch



300BIP
External flush-mounted pushbutton
with tamper-proof housing



300BIPS
External flush-mounted pushbutton
with emergency release system and
tamperproof housing

750K330M
Electronic control unit for 230 V central
motors with built-in 433,92 MHz radio
receiver, complete with enclosure

* Lifting capacity and torque decrease respectively by 10 kg and 10 Nm when the brake system is installed

OPERATOR

MRC-M

20M 30M 40M 50M

230 V



850MRC20M

230 V Tubular motor, hand crank function, Ø 45 mm, c/w bracket and adapters for tube Ø 70 mm 20 N m torque.

850MRC30M

230 V Tubular motor, hand crank function, Ø 45 mm, c/w bracket and adapters for tube Ø 70 mm 30 N m torque.

850MRC40M

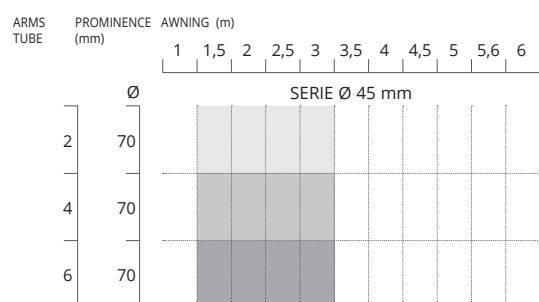
230 V Tubular motor, hand crank function, Ø 45 mm, c/w bracket and adapters for tube Ø 70 mm 40 N m torque.

850MRC50M

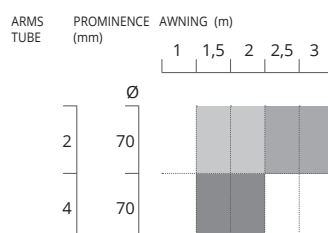
230 V Tubular motor, hand crank function, Ø 45 mm, c/w bracket and adapters for tube Ø 70 mm 50 N m torque.

Application chart for awnings

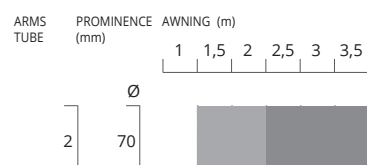
ARM WITH 15 kg POWER



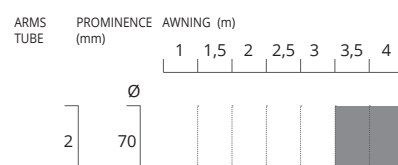
ARM WITH 25 kg POWER



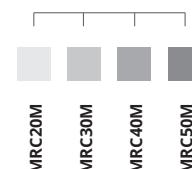
ARM WITH 35 kg POWER



ARM WITH 45 kg POWER



References





MADE IN
ITALY

FEATURES:

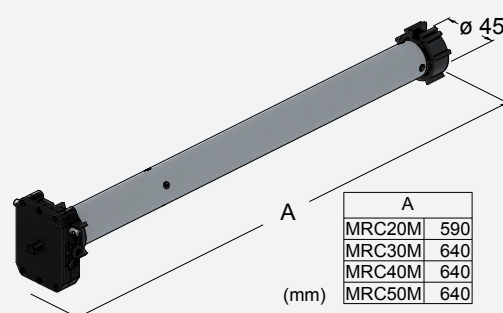
- tubular motor Ø 45 mm
- 230 V motor
- built-in hand crank function
- self-braking motor
- max. run time 4'

PROS:

- ideal for awnings' projection up to 4 m
- quick installation
- easy setting of limit switches
- emergency manual operation thanks to the optional hand crank
- easy limit switch setting

Technical features	MRC20M	MRC30M	MRC40M	MRC50M
Degree of protection	IP 44			
Power supply	230 V AC (50 - 60 Hz)			
Absorption	0,92 A	1,1 A	1,3 A	1,4 A
Absorbed power	205 W	230 W	292 W	308 W
Crown Speed	13 rpm	13 rpm	13 rpm	13 rpm
Lifting Power	38 kg	56 kg	76 kg	94 kg
Operating temperature	-10° C ÷ +60° C			
Operating time	4 min			
Torque	20 N m	30 N m	40 N m	50 N m

DISEGNI TECNICI



ACCESSORIES



850AD70C

Replacement crown drive adapter kit for tube Ø 70 mm



850CSVP

Weather station



850SND45C

45°/90° hand crank loop for shutter box



850ANCP

45°/90° hand crank loop for shutter box



850DZ68

45°/90° hand crank loop for shutter box



850PLV

Rain sensor



850MAN150

Steel hand crank, 1500 mm, with joint arm



850OCC

Hand crank loop

10 20 30 40 50



850MRC10

230 V Tubular motor, Ø 45 mm, c/w bracket and crown drive adapter kit for octagonal tube 60 mm 10 N m torque.

850MRC20

230 V Tubular motor, Ø 45 mm, c/w bracket and crown drive adapter kit for octagonal tube 60 mm 20 N m torque.

850MRC30

230 V Tubular motor, Ø 45 mm, c/w bracket and crown drive adapter kit for octagonal tube 60 mm 30 N m torque.

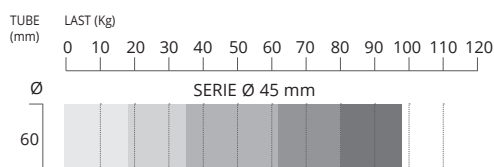
850MRC40

230 V Tubular motor, Ø 45 mm, c/w bracket and crown drive adapter kit for octagonal tube 60 mm 40 N m torque.

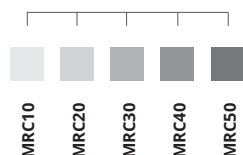
850MRC50

230 V Tubular motor, Ø 45 mm, c/w bracket and crown drive adapter kit for octagonal tube 60 mm 50 N m torque.

Application chart for rolling shutters



References



Materials	kg/m ²
PVC	5
Wood	10
Insulated aluminium	4
Extruded aluminium	8
Insulated steel	10
Armour-plated steel	16



MADE IN
ITALY

FEATURES:

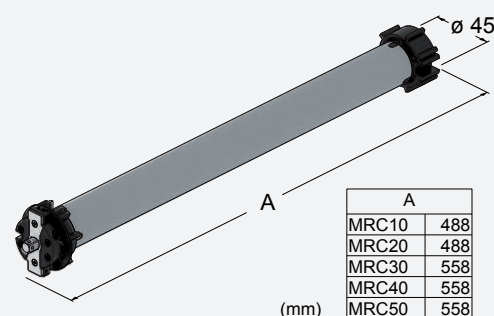
- tubular motor Ø 45 mm
- torque up to 50 Nm
- 230 V motor
- self-braking motor
- motor with limit switch

PROS:

- ideal for existing shutters / blinds quick installation
- easy setting of limit switches

Technical features	MRC10	MRC20	MRC30	MRC40	MRC50
Degree of protection	IP 44				
Power supply	230 V AC (50 - 60 Hz)				
Absorption	0,63 A	0,92 A	1,1 A	1,3 A	1,4 A
Absorbed power	146 W	205 W	230 W	292 W	308 W
Crown Speed	13 rpm	13 rpm	13 rpm	13 rpm	13 rpm
Lifting Power	18 kg	38 kg	56 kg	76 kg	94 kg
Operating temperature	-10° C ÷ +60° C				
Operating time	4 min				
Torque	10 N m	20 N m	30 N m	40 N m	50 N m

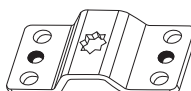
TECHNICAL DRAWINGS



ACCESSORIES



850AD60C
Replacement crown drive adapter kit
for octagonal tube 60 mm



850DZ68
Replacement bracket for tubular
motors



850SF553
Replacement bracket for MRC tubular
motors



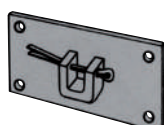
850CT60
Universal idler end cap for tube Ø 60 mm



850SF523
Adjustable bracket for MRC tubular
motors



850BTOT607
Anti-lift stopper for octagonal tube 60 mm



850SF511
Bracket for MRC tubular motors



750K330M
Electrical control panel with 433,92 MHz
radio receiver and casing



850SF823
Click-in bracket for MRC tubular motors

OPERATOR MF30

230 V

Maximum weight
30 kg



850MF30

230 V hinged window opener. Maximum window weight 30 kg

FEATURES:

- 230 V motor
- double flex stainless steel chain
- compact size
- two chain adjustments: 200 and 380 mm

PROS:

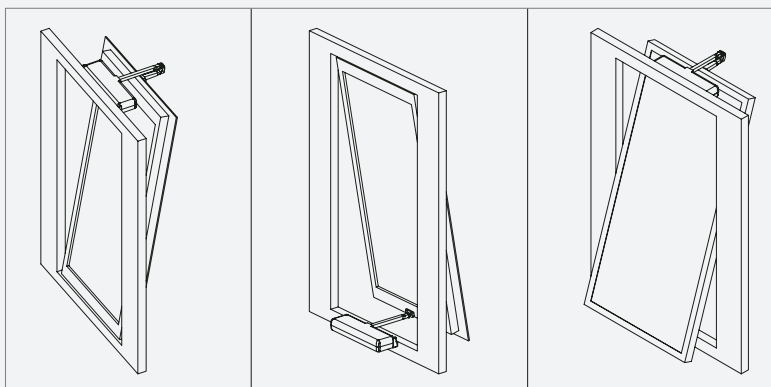
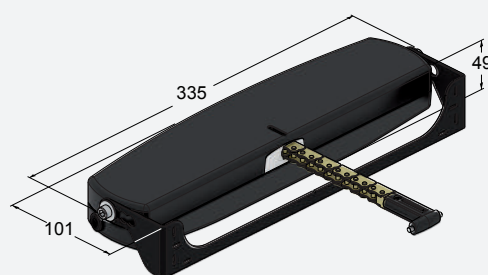
- suitable for top or bottom hinged windows
- noiseless and compact
- quick installation
- robust, maintenance-free

Technical features

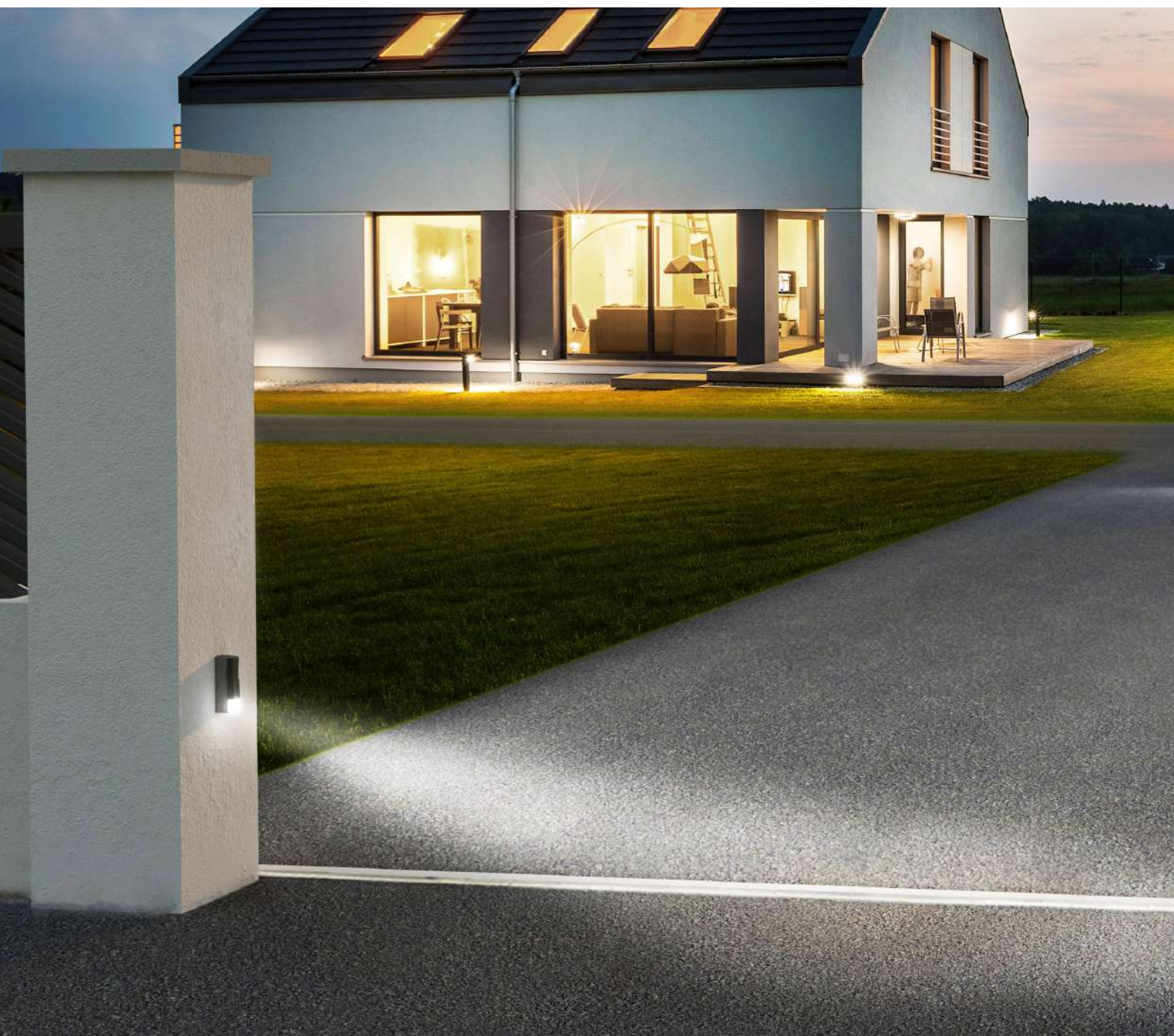
MF30

Power supply	230 V AC (50 Hz)
Maximum thrust load capacity	300 N
Maximum traction load capacity	300 N
Strokes (selectable any time)	200 and 380 mm
Absorption	0,32 A
Loadless translation speed	24 mm/s
Duration of maximum loadless travel	16 s
Double electrical insulation	Si
Type of service	S2 di 4 min
Operating temperature	-5° C ÷ +50° C
Protection of electrical devices	IP 30
Adjustment of the window frame connection	15 mm
Pins adjustment for swivel brackets	15 mm
Connection in parallel more actuators on the same window	Only by means of suitable electronic device
Parallel connection of multiple actuators on different windows	Yes (see wiring diagram)
Chain position control	Yes
Electronics equipped with audible warning device to signal incorrect assembly (buzzer)	Yes
Weight of installed equipment	1,1 kg

TECHNICAL DRAWINGS



ACCESSORIES



Transmitters
and Radio
Receivers

Pag. 230

Safety Devices

Pag. 239

Safety Edges

Pag. 246

Opening devices

Pag. 248

Access
Control

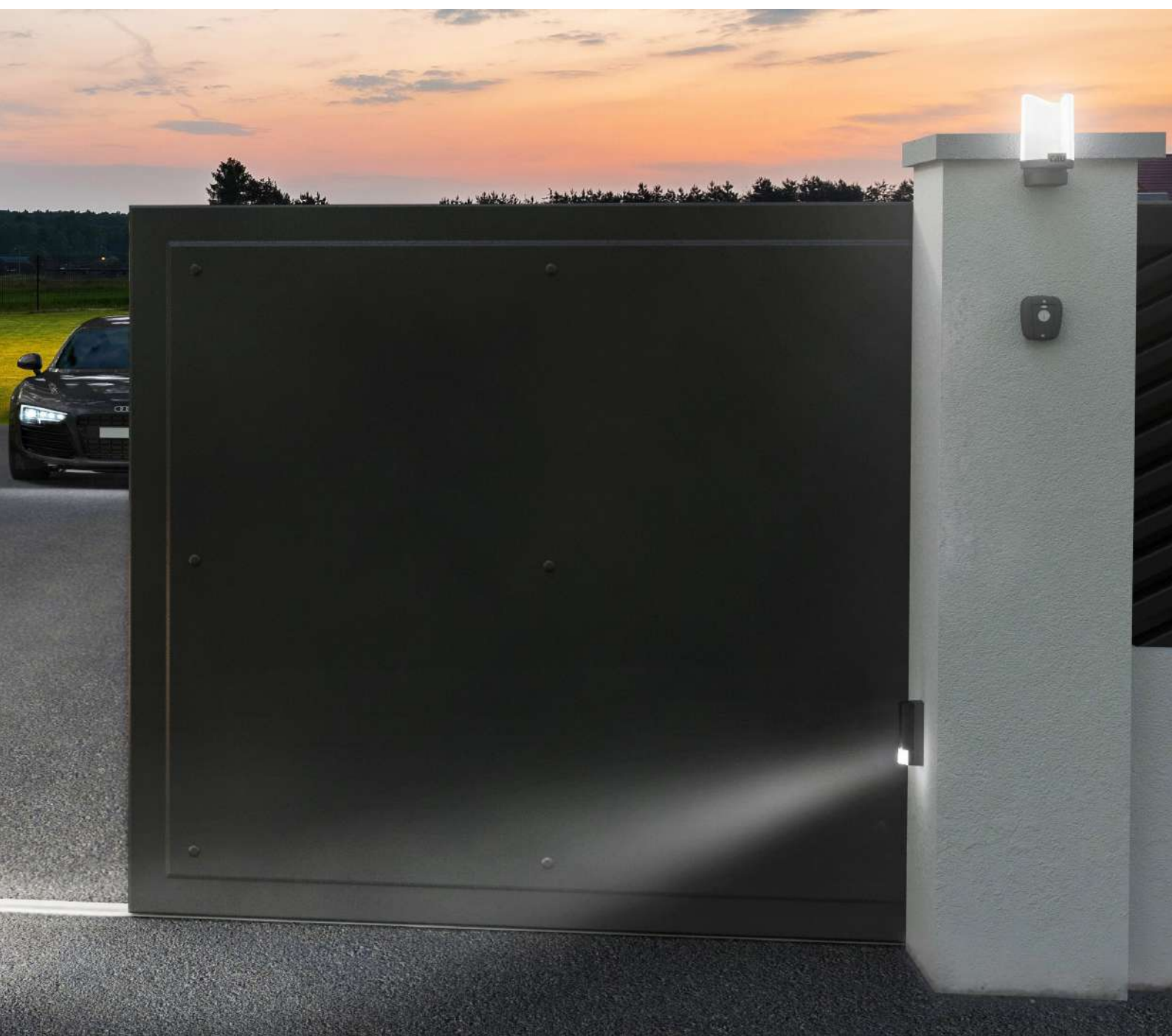
Pag. 251

Electronic
Control Units

Pag. 252

Solar
Energy

Pag. 264



T-CONNECT

Ethernet + Wi-Fi device to enable the use of the TauOpen application



250T-CONNECT

Ethernet + WIFI device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate. It comes with an activation code to be used with 3 smartphones.

250CODAT

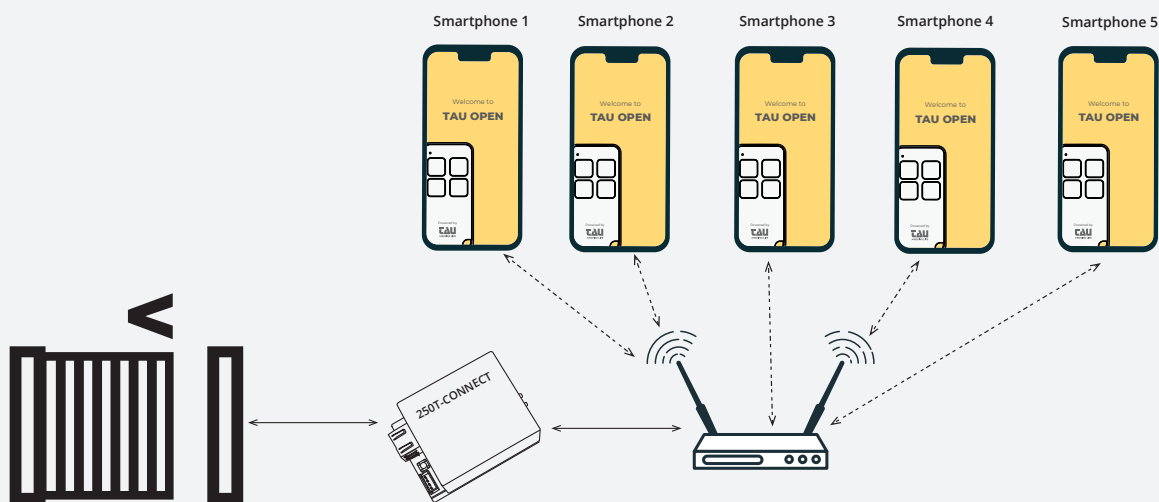
Activation code for 3 additional smartphones when using the TauOpen application to open/close and check the status of the door/gate.

FEATURES:

- **SMART:** allows you to connect, interact and remotely control Tau automations for gates, barriers, garage doors and industrial doors
- **EASY TO CONFIGURE:** the connection of the module to the home network, and therefore to the app of your smartphone, can be done in two ways: the first one with an ethernet cable; the second one by configuring the module with the home Wi-Fi

PROS:

- it allows to remotely open/close the automation via app
- it allows to check the automation status via app
- one single app to open, close and control all Tau automations



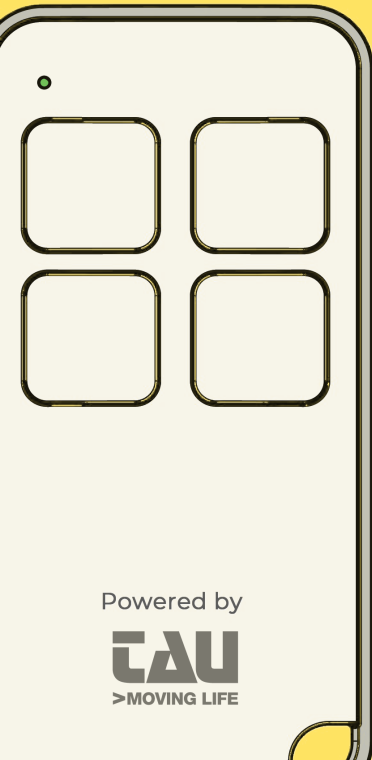
COMPATIBILITY TABLE WITH CONTROL UNITS

K120M	K125M	K126MA	K590M	D703M	D812M	D749MA	D749MA-R	D770M	K995MA-B	K995MA-S	K892M	DC19	K206MA	K100M	K101M	D780M	K330M
		•	•			•	•	•	•	•			•	•	•		

TauOpen



Welcome to
TAU OPEN



Powered by
TAU
>MOVING LIFE

TauOpen is an app conceived to control your gate, garage door and automatic barrier anytime through your smartphone. You only need to install a T-CONNECT module into the control board of the automation which will be connected to your home network either via Wi-Fi or by cable.

At this point it will be enough to download for free the TauOpen app to start controlling your automations remotely.

With TauOpen:

- **EVERYTHING IS UNDER CONTROL.** Thanks to the access control interface, it is possible to remotely manage the automation or the various automations in multiple sites, to check their status or simply to command the opening and closing of the automation.

- **EVERYTHING IS SIMPLE AND INTUITIVE.** Activating the access has never been easier. After configuring the application, simply enter the serial number of the T-CONNECT device and the activation code for the use with the first 3 smartphones. For the use with additional smartphones it will be necessary to purchase other activation codes.

Available on:



1. Download TauOpen on your smartphone



2. Register and activate the app using the activation code



3. Enter your automation and set them up by entering the serial number on the wi-fi's label



4. Control your automation remotely even when you are not at home!

T-WIFI

Wi-Fi connection device for the TauApp application



250T-WIFI

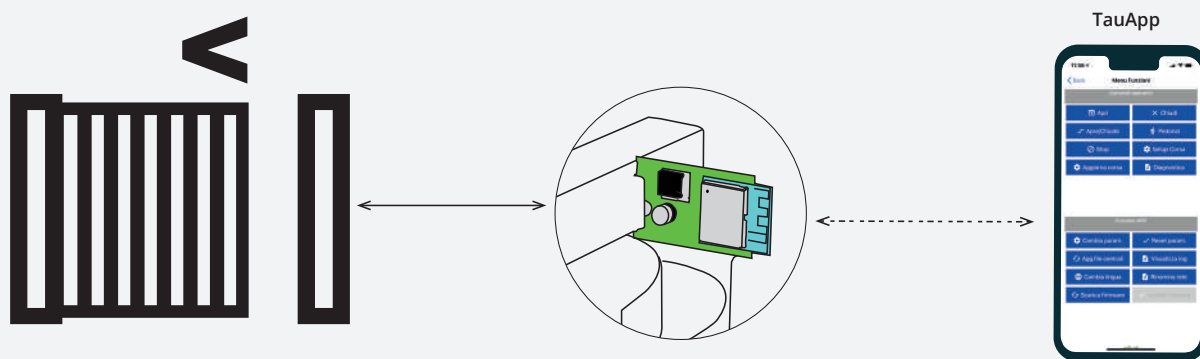
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp.

FEATURES:

- application dedicated to professionals available for iOS and Android that allows to configure, update and manage the Tau systems
- the app recreates the structure of the menu present in the control unit
- possibility of adjusting parameters and logics, reading error messages and updating the firmware of the control panel

PROS:

- programming, updating and checking the control unit conveniently on the smartphone screen by plugging the T-WIFI device into the appropriate connector
- each function is described in every detail so that the installer has everything he needs at hand

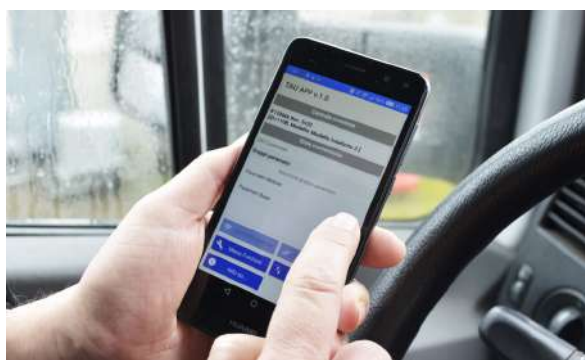
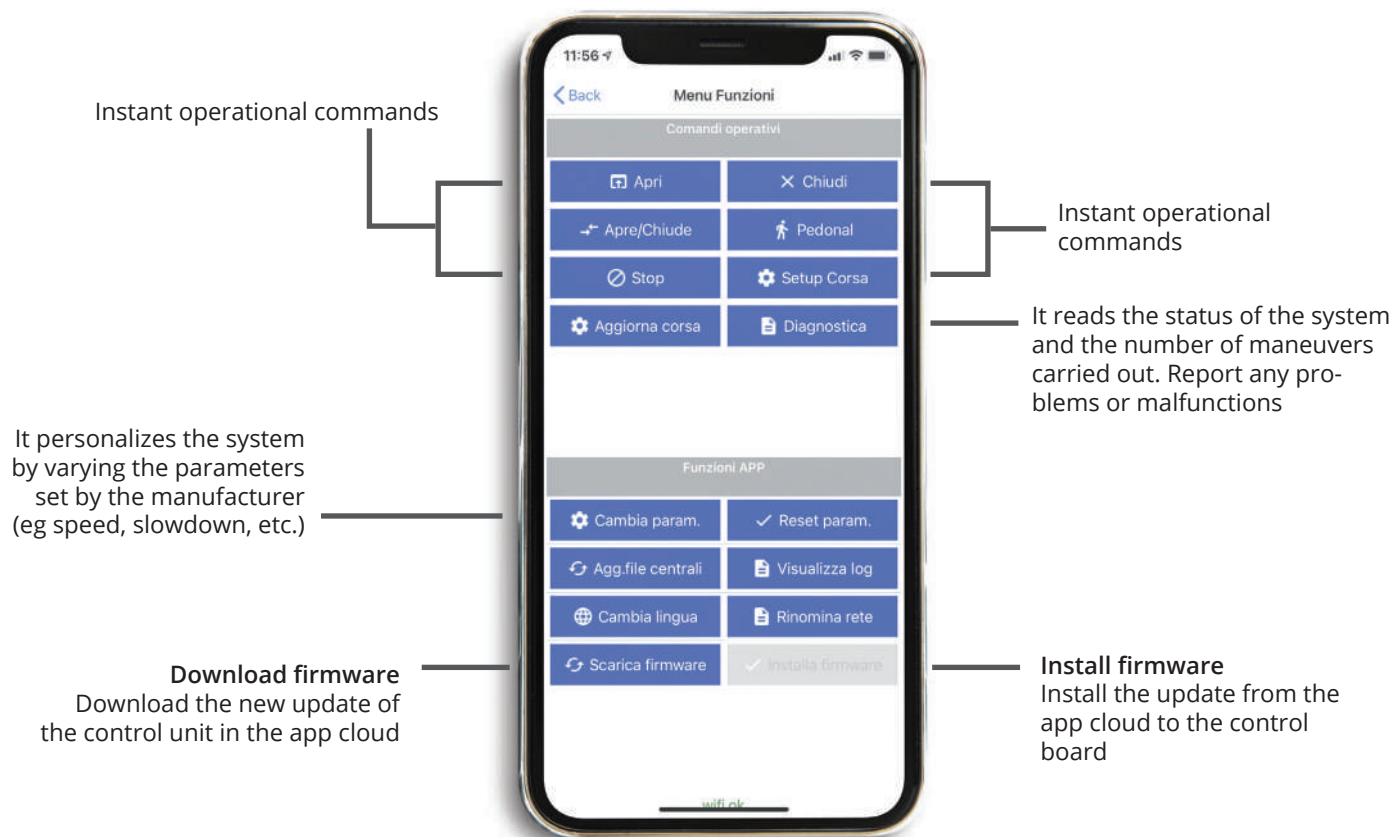


COMPATIBILITY TABLE WITH CONTROL UNITS

K120M	K125M	K126MA	K590M	D703M	D812M	D749MA	D749MA-R	D770M	K691	K995MA-B	K995MA-S	K892M	DC19	K206MA	K100M	K101M	D780M	K330M
		•	•			•	•	•		•	•			•	•	•		

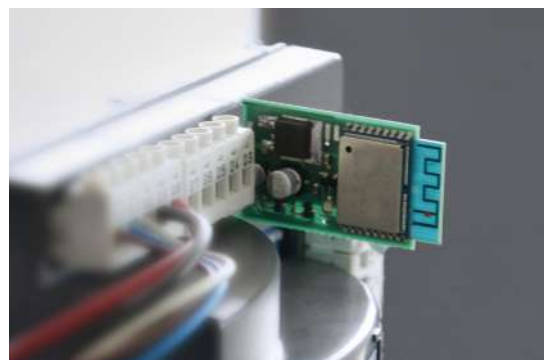
THE SMART APP THAT CONTROLS ALL YOUR AUTOMATIONS

TauApp allows you to control your automations directly from your smartphone, with no need to operate directly on the installation. Thanks to TauApp, you can check the status of your control board, start the automation and change, save or copy its settings.



NO NEED TO GO OUTSIDE AND FIX THE GATE OPERATOR WITH BAD WEATHER CONDITIONS!

TauApp is easy and intuitive. It reports any possible problem on the automation, so that the technician can carry out a quick and professional remote assistance.



ALL IN ONE APP

The ultimate app to set and control the automation and assist the technician! Forget user guides and rely on TauApp: your job will be easier and quicker!

S-2 / S-4 series

Range:
150-200 m with antenna



ROLLING CODE TECHNOLOGY GREEN LED

250S-2RP

Two-channel transmitter, rolling code technology, 433,92 MHz.

250S-2RPX10 NEW

Pack of 10 two-channel transmitters with rolling code technology, 433,92 MHz.

250S-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz.

250S-4RPX10 NEW

Pack of 10 four-channel transmitters with rolling code technology, 433,92 MHz.

DIP-SWITCH TECHNOLOGY RED LED

250S-4

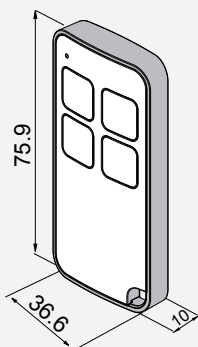
Four-channel transmitter, dipswitch technology, 433,92 MHz.

SELF LEARNING TECHNOLOGY ORANGE LED

250S-4C

Four-channel transmitter, self-learning technology, 433,92 MHz.

TECHNICAL DRAWINGS



FEATURES:

- frequency: 433,92 MHz
- range: 150 - 200 m in open air (the effective range depends on terrain and possible radio frequency interferences)
- a transmitter can be programmed into any number of self-learning radio receivers, thus avoiding the use of different transmitters

ROLLING CODE FEATURES

- 281.000 billion code combinations
- rolling code technology: every time the transmitter sends a code, it generates a new code using an encoder. An algorithm identifies and validates only the signal of the transmitters encoded by the radio receiver

PROS

- virtually impossible to duplicate
- code can be personalized thanks to the TAUPROG programmer
- ideal for multi-user systems

DIP SWITCH FEATURES

- 1024 code combinations
- not compatible with the newest control boards generation

PROS

- easy programming
- code can be easily changed by setting the switches inside the transmitter
- dipswitch transmitters can be programmed both in dipswitch and self-learning radio receivers

SELF LEARNING FEATURES

- 1024 code combinations
- self-learning technology
- not compatible with the newest control boards generation

PROS

- quick and easy programming, without opening the transmitter's shell
- these transmitters can be programmed both in dipswitch and self-learning radio receivers
- ideal for multi-user systems

Range:
150-200 m with antenna

TRANSMITTERS

K-SLIM series



ROLLING CODE TECHNOLOGY GREEN LED

250K-SLIMRP

Two-channel transmitter, rolling code technology, 433,92 MHz.

250K-SLIMRPX20 **NEW**

Pack of 20 two-channel transmitters with rolling code technology, 433.92 MHz.

DIP-SWITCH TECHNOLOGY RED LED

250K-SLIM

Two-channel transmitter, dipswitch technology, 433,92 MHz.

250K-SLIMX20 **NEW**

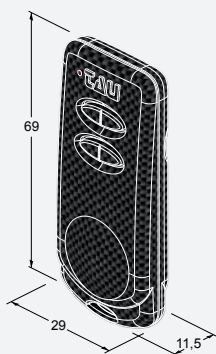
Pack of 20 two-channel transmitters with dipswitch technology, 433.92 MHz.

SELF LEARNING TECHNOLOGY ORANGE LED

250K-SLIMC

Two-channel transmitter, self-learning technology, 433,92 MHz.

TECHNICAL DRAWINGS



FEATURES:

- frequency: 433,92 MHz
- range: 150 - 200 m in open air (the effective range depends on terrain and possible radio frequency interferences)
- a transmitter can be programmed into any number of self-learning radio receivers, thus avoiding the use of different transmitters

ROLLING CODE FEATURES

- 281.000 billion code combinations
- rolling code technology: every time the transmitter sends a code, it generates a new code using an encoder. An algorithm identifies and validates only the signal of the transmitters encoded by the radio receiver

PROS

- virtually impossible to duplicate
- code can be personalized thanks to the TAUPROG programmer
- ideal for multi-user systems

DIP SWITCH FEATURES

- 1024 code combinations
- not compatible with the newest control boards generation

PROS

- easy programming
- code can be easily changed by setting the switches inside the transmitter
- dipswitch transmitters can be programmed both in dipswitch and self-learning radio receivers

SELF LEARNING FEATURES

- 1024 code combinations
- self-learning technology
- not compatible with the newest control boards generation

PROS

- quick and easy programming, without opening the transmitter's shell
- these transmitters can be programmed both in dipswitch and self-learning radio receivers
- ideal for multi-user systems

T-4 series

Range:
150-200 m with antenna



ROLLING CODE TECHNOLOGY GREEN LED

250T-4RP

Four-channel transmitter, rolling code technology, 433,92 MHz, complete with car holder.

DIP-SWITCH TECHNOLOGY RED LED

250T-4

Four-channel transmitter, dipswitch technology, 433,92 MHz, complete with car holder. Not compatible with the newest control boards generation.

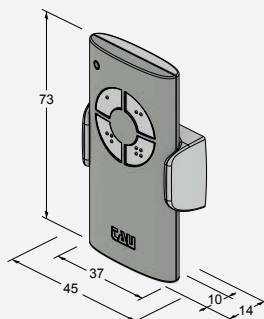
SELF LEARNING TECHNOLOGY ORANGE LED

250T-4C

Four-channel transmitter, self-learning technology, 433,92 MHz, complete with car holder. Not compatible with the newest control boards generation.

TECHNICAL DRAWINGS

Car clip holder for remote controls



FEATURES:

- frequency: 433,92 MHz
- range: 150 - 200 m in open air (the effective range depends on terrain and possible radio frequency interferences)
- a transmitter can be programmed into any number of self-learning radio receivers, thus avoiding the use of different transmitters

ROLLING CODE FEATURES

- 281.000 billion code combinations
- rolling code technology: every time the transmitter sends a code, it generates a new code using an encoder. An algorithm identifies and validates only the signal of the transmitters encoded by the radio receiver

PROS

- virtually impossible to duplicate
- code can be personalized thanks to the TAUPROG programmer
- ideal for multi-user systems

DIP SWITCH FEATURES

- 1024 code combinations

PROS

- easy programming
- code can be easily changed by setting the switches inside the transmitter
- dipswitch transmitters can be programmed both in dipswitch and self-learning radio receivers

SELF LEARNING FEATURES

- 1024 code combinations
- self-learning technology

PROS

- quick and easy programming, without opening the transmitter's shell
- these transmitters can be programmed both in dipswitch and self-learning radio receivers
- ideal for multi-user systems



250TXD2

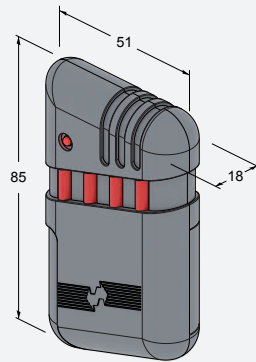
Two-channel transmitter, dipswitch technology, 433,92 MHz. Not compatible with the newest control boards generation.



250TXD4

Four-channel transmitter, dipswitch technology, 433,92 MHz. Not compatible with the newest control boards generation.

TECHNICAL DRAWINGS



FEATURES:

- frequency: 433,92 MHz
- range: up to 200 m in open air (the effective range depends on terrain and possible radio frequency interferences)
- 1024 code combinations
- dipswitch technology

PROS:

- easy programming
- code can be easily changed by setting the switches inside the transmitter
- dipswitch transmitters can be programmed both in dipswitch and self-learning radio receivers
- a transmitter can be programmed into any number of self-learning radio receivers, thus avoiding the use of different transmitters

RXSM series


250T-RADIO1

Universal system made of one 433,92 MHz single-channel and self-learning receiver with built-in antenna and one two-channel K-SLIMRP transmitter with rolling code technology.


250T-RADIO2S
NEW

Universal system made of one 433,92 MHz two-channel and self-learning receiver with built-in antenna and two four-channel S-4RP transmitters with rolling code technology.

RADIO RECEIVERS


250RXSM1

Self-learning, single-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters

250RXSM2

Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters


250RXSM1B

Self-learning, single-channel, 433,92 MHz radio receiver with enclosure. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters

250RXSM2B

Self-learning, two-channel, 433,92 MHz radio receiver with enclosure. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters


250RXSM4

Self-learning, four-channel, 433,92 MHz radio receiver with enclosure. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters


250RXSM4T

230 V Self-learning, four-channel, 433,92 MHz radio receiver with enclosure. Accepts up to 14 rolling code transmitters or unlimited dipswitch transmitters


250SM126

Memory card for 126 radio codes

250SM254

Memory card for 254 radio codes

250SM1022

Memory card for 1022 radio codes

ANTENNA


250ANTD1

Antenna with mounting bracket and 5 m cable

BATTERIES FOR TRANSMITTERS


200BATTBUG

Batteries for T-4, K-SLIM, S4/S2 transmitters


200BATTXX

Batteries for TXD2 and TXD4 transmitters

OPTIC



900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable $\pm 15^\circ$, up to 20 m range.

900OPTICBUS

NEW

Set of infrared safety photocells, 12/24 V with BUS technology, surface mount, adjustable $\pm 15^\circ$, synchronized, max 20 m range. Product compatible with: 200K995MA-B and 200K995MA-S.

Technical features

OPTIC

RX receiver power supply	12/24 V DC - V AC
Range	20 m
Power consumption transmitter	20 (12 V DC) mA - 24 (24 V DC) mA 28 (12 V AC) mA - 40 (24 V AC) mA
Power consumption receptor	15 (12 V DC) mA - 20 (24 V DC) mA 37 (12 V AC) mA - 47 (24 V AC) mA
Output relay contact	500 mA / 24 V
Protection level	IP 54

TECHNICAL DRAWINGS



ACCESSORIES



900TOWER2F

Photocell double mounting post, painted aluminium, 98 cm, with removable cover for cable passage and installation of photocell adjustable in 3 position



900TOWERF

Photocell single mounting post, painted aluminium, 49 cm, with removable cover for cable passage and installation of photocell adjustable in 3 position



900TOWERFX2

NEW

Pair of photocell single mounting post, painted aluminium, 49 cm, with removable cover for cable passage and installation of photocell adjustable in 3 position



900CPTOWER

TOWER counterplate



900CPOPTIC

Photocell side supports



900TOWERM

10 cm side photocells mounting post



900TOWERP

Reinforced pedestal Tower

PIVOT



900PIVOT

Set of two adjustable photocells. Horizontally adjustable beam up to 210°. Automatic synchronization to allow the installation of up to 4 sets of photocells. 12/24 V, 20M range. Surface mount.



900PIVOTL

Set of two adjustable photocells with temporary and fixed courtesy light. Horizontally adjustable beam up to 210°. Led technology to light up the passage. Automatic synchronization to allow the installation of up to 4 sets of photocells. 12/24 V, 20M range. Surface mount.



900PIVOTB

Set of two adjustable photocells with battery powered transmitter. Battery up to 30 months. Wire-powered receiver connected to the electric control board. Photocells horizontally adjustable up to 210°. Max range 8 m. 12/24 Volt power supply. Suitable for external application. Surface mount.

Technical features	PIVOT	PIVOTL	PIVOTB
RX receiver power supply	12/24 V DC - V AC		
Range	20 m		8 m
Power consumption transmitter	40 (12 V DC) mA - 60 (24 V DC) mA 11 (12 V AC) mA - 10 (24 V AC) mA		3, 6 V DC - 60 µA
Power consumption receptor	10 (12 V DC) mA - 11 (24 V DC) mA 7 (12 V AC) mA - 6 (24 V AC) mA		
Output relay contact	N.C. 500 mA / 24 V		
Protection level	IP 54		

TECHNICAL DRAWINGS



ACCESSORIES



900TOWERFP
PIVOT series photocells single mounting post, painted aluminium, with 1 hole, 49 cm H, with removable cover for cable passage and photocell installation



900CPTOWER
TOWER counterplate



900TOWERP
Reinforced pedestal Tower



200BATTLT NEW
Lithium battery
1/2 AA 3.6V DC

FOTIC



900FOTIC

NEW

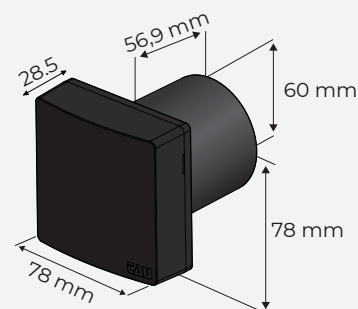
Set of infrared safety photocells, 12 / 24 V, recess mount, beam alignment adjustable $\pm 15^\circ$, up to 20 m range.

Technical features

FOTIC

RX receiver power supply	12/24 V DC - V AC
Range	20 m
Power consumption transmitter	20 (12 V DC) mA - 24 (24 V DC) mA 28 (12 V AC) mA - 40 (24 V AC) mA
Power consumption receptor	15 (12 V DC) mA - 20 (24 V DC) mA 37 (12 V DC) mA - 47 (24 V AC) mA
Output relay contact	500 mA / 24 V
Protection level	IP 54

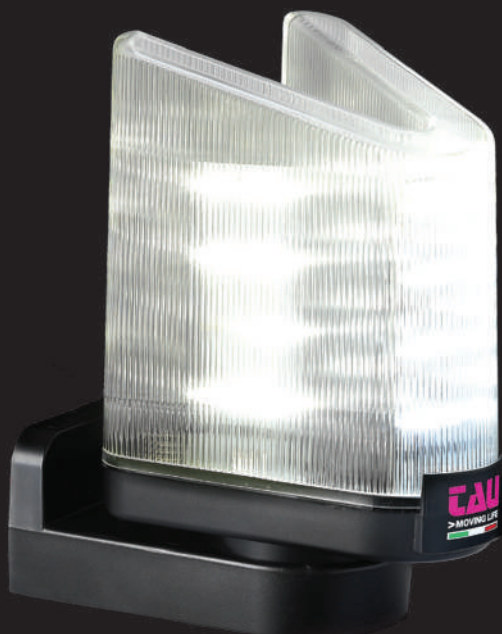
TECHNICAL DRAWINGS



The new FOTIC recess-mounted photocells replace the old 900FOTI model (discontinued) and are compatible with the old 900COLF columns



VLED



900VLED

Low voltage 12-18-24 Volt white led flashing light for TAU electronic control boards.

900VLED-O

Low voltage 12-18-24 Volt orange led flashing light for TAU electronic control boards.

900VLED-AT

230 V AC white led flashing light for TAU electronic control boards or for universal use.

900VLED-ATO

230 V AC orange led flashing light for TAU electronic control boards or for universal use.

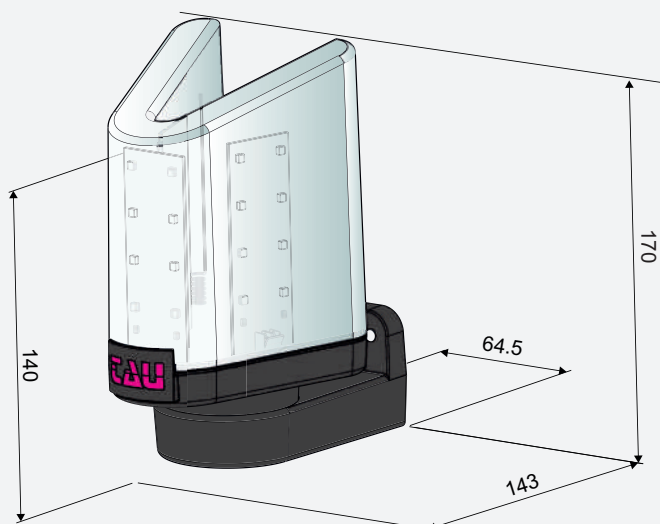
FEATURES:

- available in different supply voltages: 230 V AC and DC
- 433.92 MHz antenna integrated in all versions
- possibility of fixing to the wall using a special support included

PROS:

- it is also visible on sunny days due to the use of 12 high efficiency LEDs
- pre-installed antenna inside the flashing light protected by vandalism
- practical and flexible it can rotate up to 360 ° when installed using the included standard support
- specific design prevents breakage or damage from atmospheric agents

TECHNICAL DRAWINGS



CUBE



900CUBE

NEW

Wall-mounted flashing light with white led, low voltage version 12-18-24 Volt for Tau electrical control panels.

900CUBEBUS

NEW

Wall-mounted flashing light with white led set up for connection with Tau control units equipped with BUS protocol.

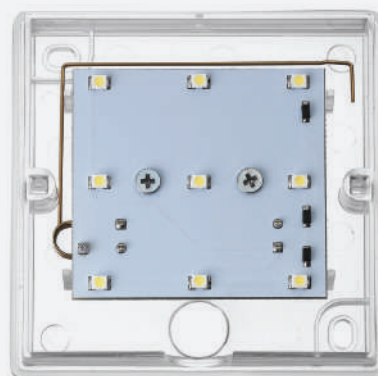
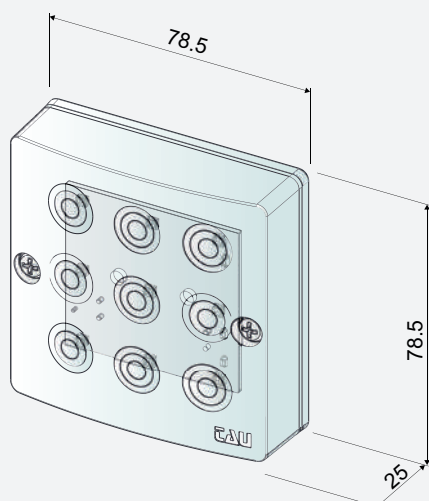
FEATURES:

- available in different supply voltages: 24 V DC, 18 V DC and 12 V DC
- 433.92 MHz antenna integrated in all versions
- particularly suitable for wall mounting to signal garage doors and industrial doors

PROS:

- it is also visible on sunny days due to the use of 9 high efficiency LEDs
- pre-installed antenna inside the flashing light protected by vandalism
- specific design prevents breakage or damage from atmospheric agents

TECHNICAL DRAWINGS



LAMP



900LAMP1

12/18 V flashing light with integrated flashing circuit.

900LAMP2

230 V flashing light with integrated flashing circuit.

900LAMP3A

230V flashing light with built-in 433,92 MHz antenna for TAU electronic control units.

900LAMP4A

12/18 flashing light with built-in 433,92 MHz antenna for TAU electronic control units.

900LAMP5A

24 V flashing light with built-in 433,92 MHz antenna for TAU electronic control units.

900LAMPCON3

230 V flashing light with cycle count for maintenance alert.

900LAMPCON4

12/18 V flashing light with cycle count for maintenance alert.

FEATURES:

- wide input voltage range 230 V AC, 24 V DC and 18 V DC
- built-in antenna support
- cycle count for maintenance alert available
- built-in bracket for wall mount

PROS:

- horizontal or vertical installation
- versions with cycle count for maintenance alert will indicate when the requisite threshold (set by the user) has been reached

IMPACT FORCE GAUGE



900FUSB

IMPACT MEASURING INSTRUMENT that includes:

- BlueForce Smart Instrument
- Bluetooth/NFC Smart functions + App
- Carry-case with pre-formed interior
- USB cable for PC
- Hex wrench for handle disassembly
- Instructions / Software / Certificate of Calibration downloadable from download section



900FBLU

IMPACT MEASURING INSTRUMENT that includes:

- BlueForce Smart Instrument
- Bluetooth/NFC Smart functions + App
- Carry-case with pre-formed interior
- Straight Extension
- USB cable for PC
- Hex wrench for handle disassembly
- Instructions / Software / Certificate of Calibration downloadable from download section



FEATURES:

- impact force gauge for automatic/power operated doors/gates according to EN12453 standards
- display and internal storage allowing up to 50 measurements to be saved
- interactive menu allows sending, deleting and scrolling saved tests

PROS:

- quick and easy set-up and software installation
- blue-tooth version allows a quick data transmission to the PC for an immediate analysis of values and diagrams
- with the extension (supplied) and the practical 180° turning handle all tests can easily be carried out even on difficult installations

**900BSD15**

1,5 m deformable safety edge kit.

900BSD18

NEW

1,8 m deformable safety edge kit.

900BSD20

2 m deformable safety edge kit.

900BSD25

2,5 m deformable safety edge kit.

FEATURES:

- electromechanical safety edge to stop the gate operator in case of impact
- rubber edge height: 60 mm

PROS:

- Protection board completely deformable even on the upper part (where the micro switches are based) to assure a complete safety
- ideal for sliding gates and doors
- possible wireless application; the safety edge fitted to the leading edge of the gate will offer maximum safety and compliance to EN 12978 standards
- possibility to decide on a normally closed contact or a resistive 8,2 kΩ

DEVICES FOR BSD SENSITIVE EDGE**900TWC**

Mobile wireless slave transmitter for safety edge.

**900TWM**

Wireless master receiver for max 8 safety edges.

TYPICAL SYSTEM

For up-and-over garage doors and swing gates

SAFETY EDGES

KICM - KONT



900KICM120

1,20 m safety edge.

900KICM180

1,80 m safety edge.

900KONT120

1,20 m controlled safety edge (8,2K Ω).

900KONT180

1,80 m controlled safety edge (8,2K Ω).

FEATURES:

- electromechanical safety edge to stop the gate operator in case of impact
- low voltage watertight micro switches
- standard length: 1,2 and 1,8 m
- controlled version available (8,2 k Ω)

PROS:

- ideal for up-and-over garage doors and swing gates
- ensure compliance to EN 12978 standards
- possible wireless application; the safety edge fitted to the leading edge of the gate will offer maximum safety and compliance to EN 12445-12453 standards

ACCESSORIES



900TAP

Set of 2 plugs for KICM/KONT



900CUR

Set of 2 curves for KICM/KONT



900GIU

Set of 2 joints for KICM/KONT

T-KEY



300TKEY

Surface mount die-cast aluminium key switch.

300TKEYD

Surface mount die-cast aluminium key switch, Europrofile cylinder.

300TKEYBUS

NEW

Surface mount die-cast aluminium key switch with BUS technology. Product compatible with: 200K995MA-B and 200K995MA-S.

ACCESSORIES



300TSL

LED courtesy light for T-KEY



300TKEYS

Key switch bracket



900TOWER2F

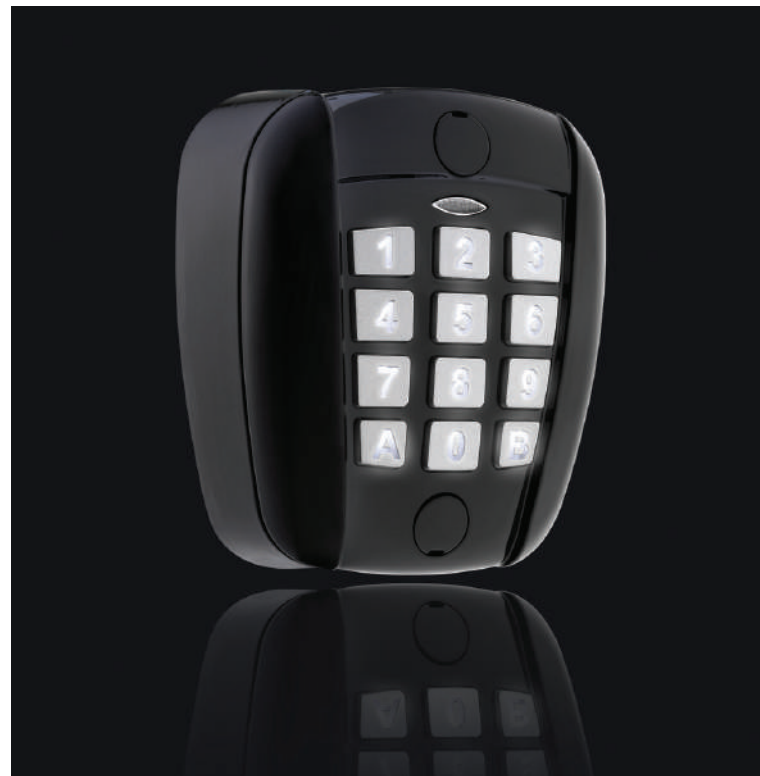
Photocell double mounting post, painted aluminium, 98 cm, with removable cover for cable passage and installation of photocell adjustable in 3 position (optional key-switch and keyswitch bracket to be ordered separately)

TCODE



300TCODE

Cable digital keyboard with backlit keys and BUS signal transmission complete with decoder.



300TCODE-W

Wireless digital keyboard (via radio with battery) with backlit keys to be combined with a 433,92 MHz self-learning radio receiver or with an electronic control unit with built-in radio receiver enabled for rolling code.

300TCODEBUS

NEW

Cable digital keyboard with BUS signal transmission. Product compatible with: 200K995MA-B and 200K995MA-S.

ACCESSORIES



900TOWER2F

Photocell double mounting post, painted aluminium, 98 cm, with removable cover for cable passage and installation of photocell adjustable in 3 position.

N.B.: Digital keyboard and relevant bracket to be ordered separately



300TKEYS

Key switch bracket



200BATT32

Battery CR 2032 3 V

NEW

OPENING DEVICES



300SC

Key switch, flush mount



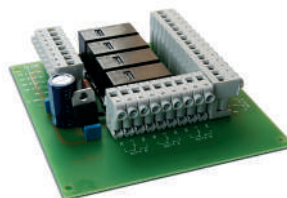
300SCE

Key switch, surface mount



900T-COMM

RS485 Serial Interface to connect two control units as Master/Slave. Activation through TAUPROG handheld device. (K126MA - K206MA - D749MA)



750T-RELE

Relay board for multiple installations



300SCMS1

Magnetic key switch



300SA1

Magnetic loop detector



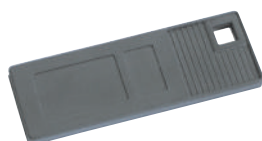
300SCMS3

Decoder for 300SCMS1



300PPI

Heavy duty pushbutton panel



300CMS

Magnetic key



250T-PHONE

900-1800 MHz GSM dual band activator

For max.
1000 users

ACCESS CONTROL

RTA



300RTA

Proximity transponder reader for access control.
Maximum 80 users.

300RTAS

Proximity transponder reader for access control.
Maximum 1000 users.

FEATURES:

- 12 / 24 V power input
- up to 80 users
- NO / NC contact output
- self-learning card memorization through master card

PROS:

- ideal for small scale applications
- simplified user management
- 12 / 24 V power input
- standalone system (no PC or special equipment needed)

TECHNICAL DRAWINGS



ACCESSORIES



300PK
Key fob transponder



300CARD
Transponder card

**750D749MA**

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure.

ACCESSORIES**250T-WIFI**

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp

**250T-CONNECT**

Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

**200BATT**

12 V Battery, 7,2 Ah with cable

**M-030KITKB20**

Battery cables kit (20 pcs)

**250SM126**

Memory card for 126 radio codes

250SM254

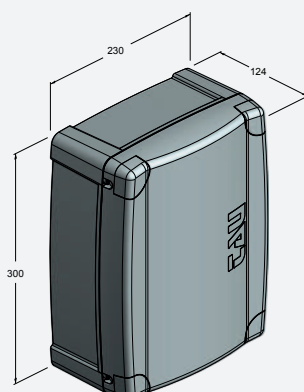
Memory card for 254 radio codes

**750CUP**

Control unit enclosure protective lid

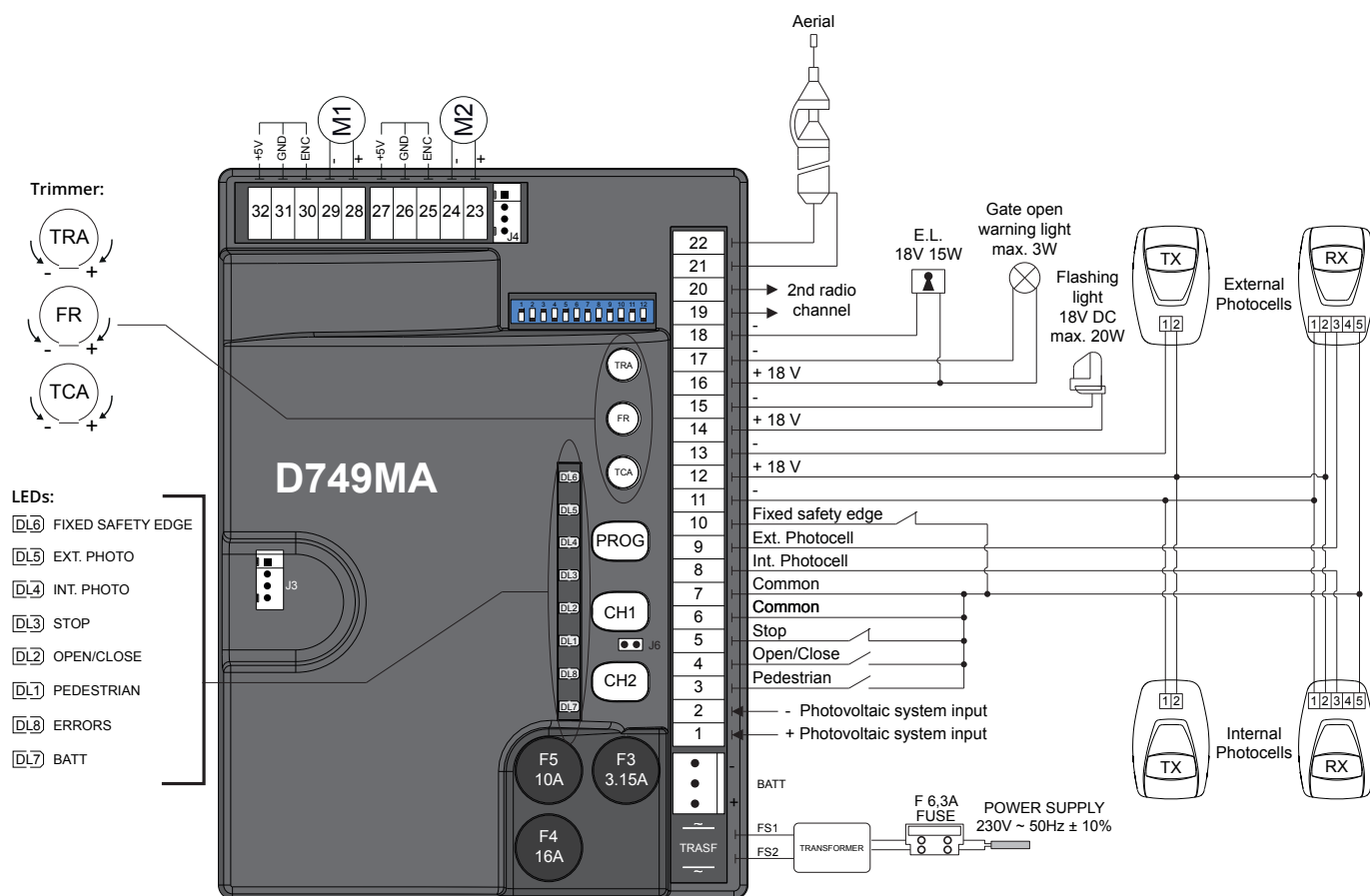
**750COL**

Control unit mounting post

TECHNICAL DRAWINGS**USE AND
MAINTENANCE MANUALS**

D749MA

WIRING DIAGRAM



Programmable Functions

D749MA

Automatic operation	✓
Semiautomatic operation	✓
Man present functions	✓
Pre-flashing disable	✓
Gate open led with proportional flashing	✓
Gate open led	
Programming with TauApp (250T-WIFI)	✓
Running with TauOpen (250T-CONNECT)	✓
Programming through TAUPROG handheld device / 250T-WIFI	✓
Photocell test at start of manoeuvre	✓
Disable photocell test	✓
Twin pair of photocells	✓
Close 5 secs after photocells	✓
Working time (TL) adjustment	
Gate open time (TCA) adjustment	✓
Gate open time (TCA) disable	✓
Delay wing closing	✓
Electronic force adjustment	✓
Automatic realignment after black-out	✓
Step-by-step operation (openstop-close-stop-open)	✓
No reverse in opening manoeuvre	✓

* It is possible to program its operation through TAUPROG or TauApp

Pedestrian feature	✓
Clock function	✓
Encoder	✓
Built-in radio card	✓
Slow-down	✓
Receiver preset for digital keypads	✓

Outputs-Inputs

D749MA

M1 output	✓
M2 output	✓
Flashing light output	✓
Courtesy light output	*
Electric lock output	✓
Gate open LED output	✓
12 Vdc output for auxiliaries	✓
24 Vdc output for auxiliaries	
Internal photocell FTI output	✓
External photocell FTE output	✓
Open/close input	✓
Pedestrian input	✓
Stop input	✓
Open button input	*
Close button input	*
Sensitive edge input	✓

**750D770M**

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz radio receiver, complete with enclosure.

ACCESSORIES**250T-WIFI**

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp

**900VLED**

Low voltage 12-18-24 Volt white led flashing light

**750CUP**

Control unit enclosure protective lid

**250T-CONNECT**

Ethernet + Wi-Fi device - to enable through Tau Open application, the use of the smartphone remotely, to open/close and check the status of the gate

**250SM126**

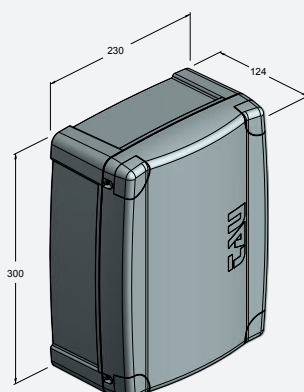
Memory card for 126 radio codes

250SM254

Memory card for 254 radio codes

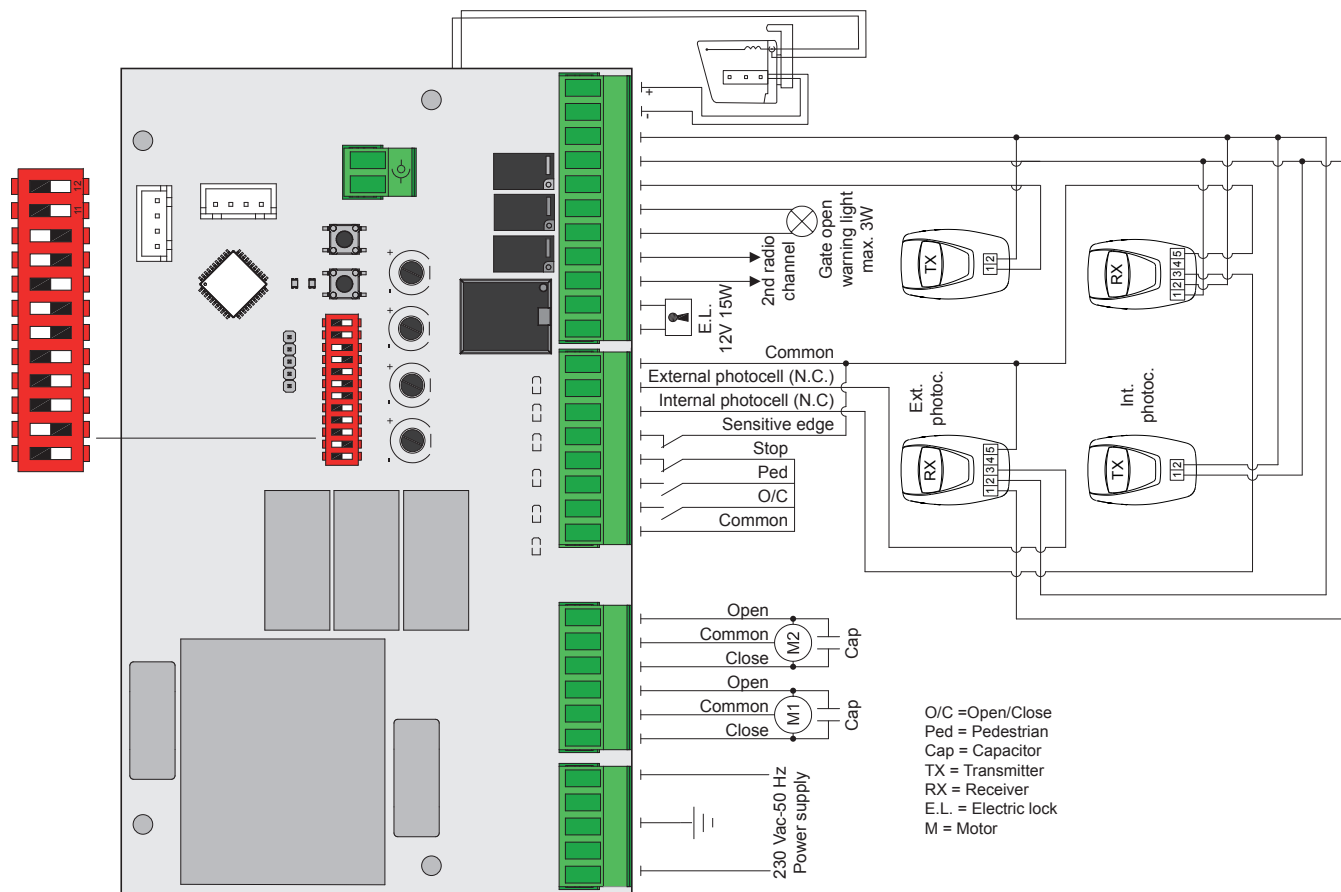
**750COL**

Control unit mounting post

TECHNICAL DRAWINGS**USE AND MAINTENANCE MANUALS**

D770M

WIRING DIAGRAM



Programmable Functions

D770M

Automatic operation	✓
Semiautomatic operation	✓
Man present functions	✓
Pre-flashing disable	✓
Gate open led with proportional flashing	✓
Gate open led	
Programming with TauApp (250T-WIFI)	✓
Running with TauOpen (250T-CONNECT)	✓
Limit switch	
Photocell test at start of manoeuvre	✓
Disable photocell test	✓
Twin pair of photocells	✓
Close 5 secs after photocells	✓
Working time (TL) adjustment	✓
Gate open time (TCA) adjustment	✓
Gate open time (TCA) disable	✓
Delay wing closing	✓
Electronic force adjustment	✓
Automatic realignment after black-out	
Step-by-step operation (openstop-close-stop-open)	✓
No reverse in opening manoeuvre	✓

Pedestrian feature	✓
Clock function	✓
Encoder	
Built-in radio card	✓
Slow-down	✓
Receiver preset for digital keypads	✓

Outputs-Inputs

D770M

M1 output	✓
M2 output	✓
Flashing light output	✓
Courtesy light output	
Electric lock output	✓
Gate open LED output	✓
12 Vdc output for auxiliaries	
24 Vac output for auxiliaries	✓
Internal photocell FTI output	✓
External photocell FTE output	✓
Open/close input	✓
Pedestrian input	✓
Stop input	✓
"Man present" open button input	✓
"Man present" close button input	✓
Sensitive edge input	✓

* It is possible to program its operation through TauApp

**200K995MA-B****NEW**

Electronic control unit for overhead doors for 1-2 DC motors with BUS technology, built-in radio receiver, complete with enclosure.

UP-AND-OVER GARAGE DOOR OPENERS ACCESSORIES

**200T-CHARGE****NEW**

Battery and battery charger to be powered at 230 V for the control unit K995MA-B/S

**900CUBEBUS****NEW**

Wall-mounted white led flashing light with BUS technology

**NEW****900OPTICBUS**

Set of surface mount infrared safety photocells, 12/24 V with BUS technology

**300TCODEBUS****NEW**

Cable digital keyboard with BUS signal transmission to be connected directly to the control unit

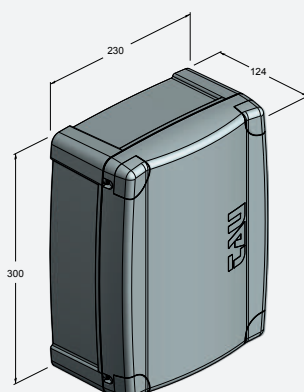
**300TKEYBUS****NEW**

Die-cast aluminium key switch with BUS technology

**NEW****200SWITCHBUS**

Connection interface for open/close/stop keys with BUS technology

TECHNICAL DRAWINGS

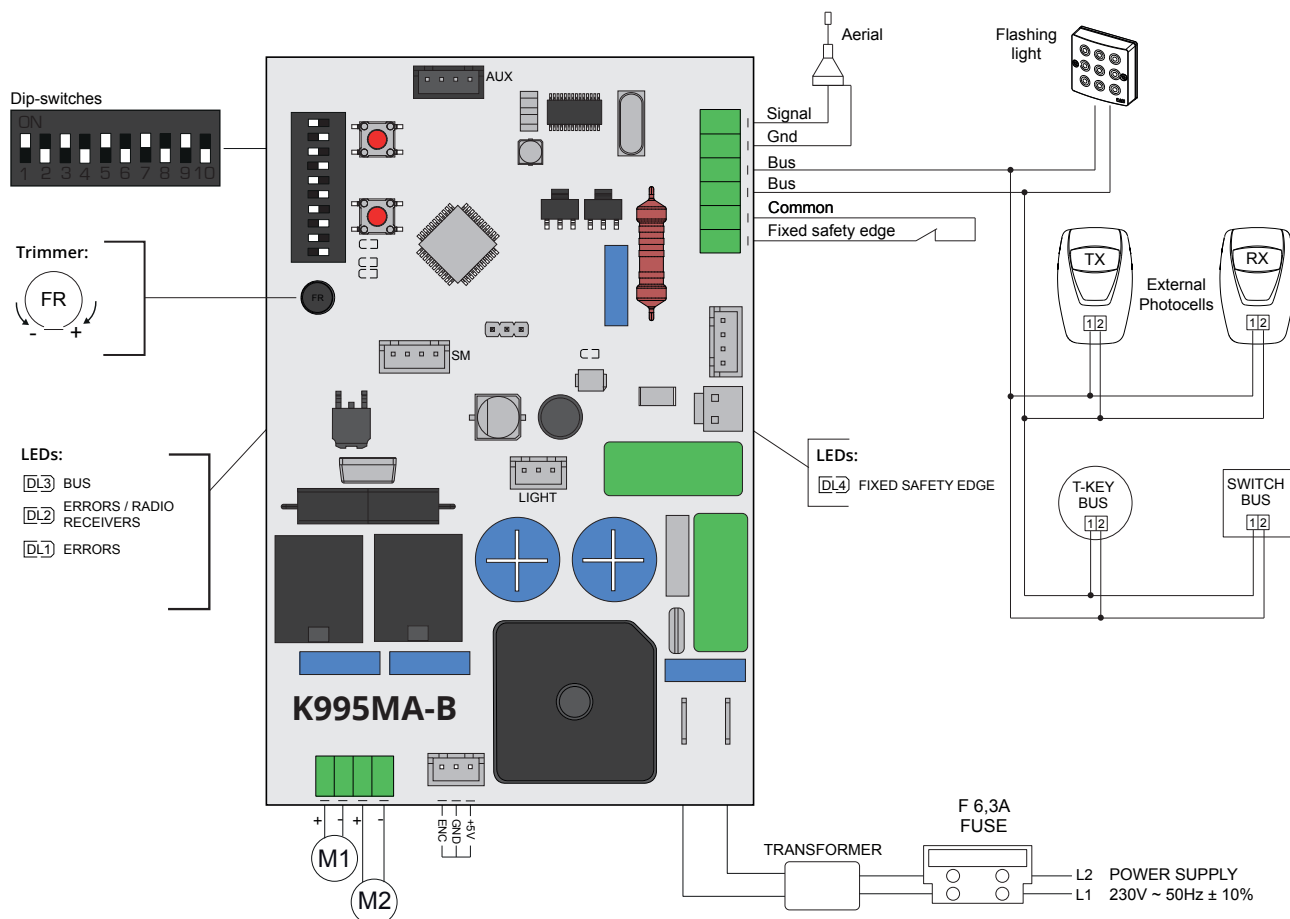


USE AND MAINTENANCE MANUALS



K995MA-B

WIRING DIAGRAM



Programmable Functions

K995MA-B

Automatic operation	✓
Semiautomatic operation	✓
Man present functions	
Pre-flashing disable	✓
Gate open led with proportional flashing	
Gate open led	
Programming with TauApp (250T-WIFI)	✓
Running with TauOpen (250T-CONNECT)	✓
Limit switch	
Photocell test at start of manoeuvre	✓
Disable photocell test	✓
Twin pair of photocells	
Close 5 secs after photocells	
Working time (TL) adjustment	
Gate open time (TCA) adjustment	✓
Gate open time (TCA) disable	✓
Delay wing closing	
Electronic force adjustment	✓
Automatic realignment after black-out	✓
Step-by-step operation (openstop-close-stop-open)	✓
No reverse in opening manoeuvre	✓
Pedestrian feature	

* It is possible to program its operation through TAUPROG or TauApp

Clock function	✓
Encoder	✓
Built-in radio card	✓
Slow-down	✓
Receiver preset for digital keypads	✓

Outputs-Inputs

K995MA-B

M1 output	✓
M2 output	✓
Flashing light output	✓
Courtesy light output	
Electric lock output	
Gate open LED output	
12 Vdc output for auxiliaries	✓
24 Vdc output for auxiliaries	
Sensitive edge input	✓

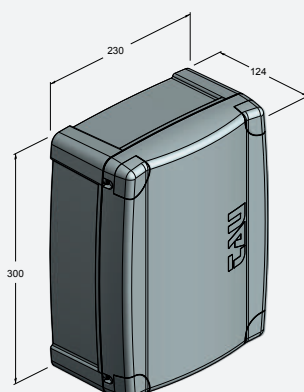
BUS functions (optional)

K995MA-B

Internal photocell FTI output	✓
External photocell FTE output	✓
Open/close input	✓
Pedestrian input	✓
Stop input	✓
Open button input	✓
Close button input	✓

**200K892M**

Electronic control unit for one or two 230 V up-and-over garage door openers with soft-stop, built-in 433,92 MHz radio receiver and enclosure.

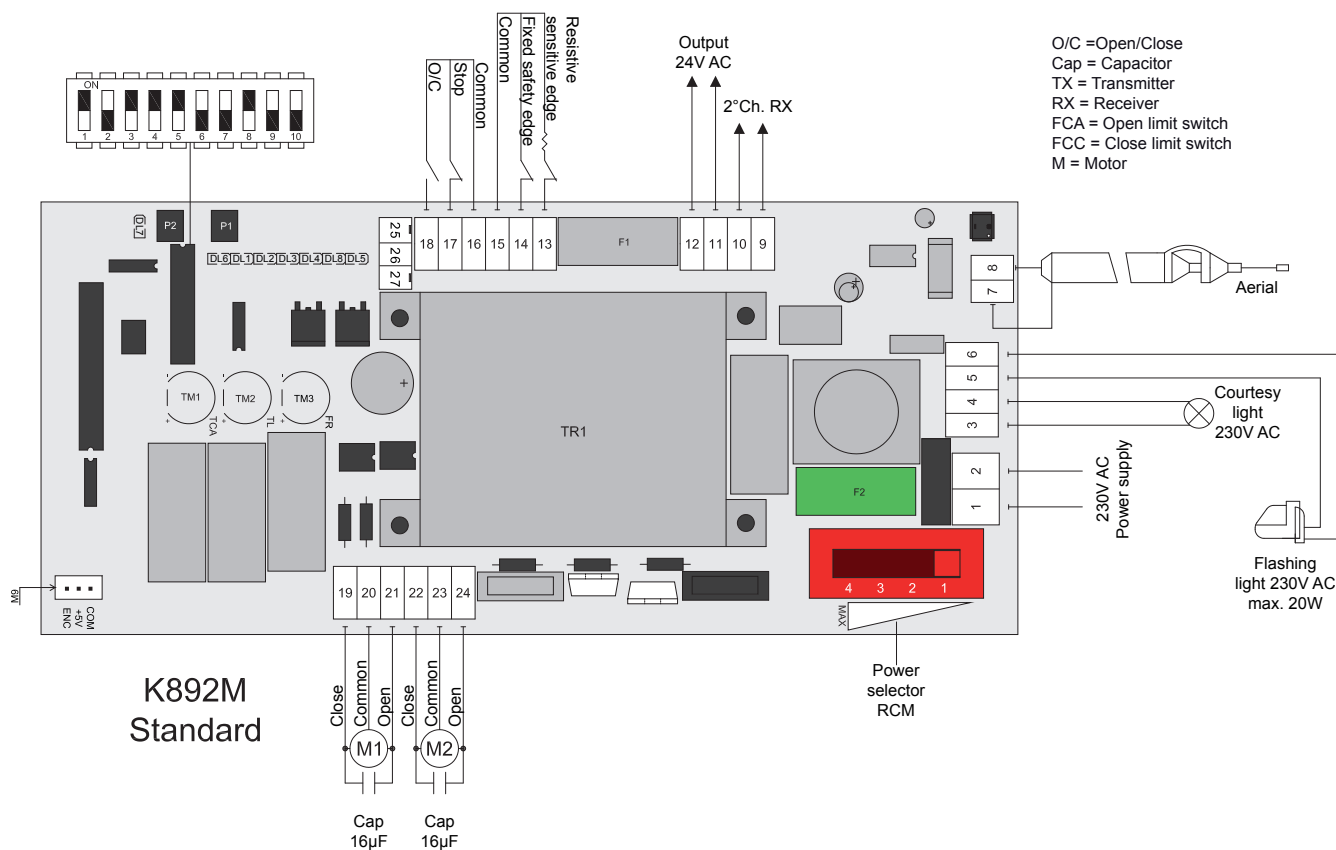
TECHNICAL DRAWINGS**USE AND MAINTENANCE MANUALS**

K892M



MADE IN
ITALY

WIRING DIAGRAM



Programmable Functions

K892M

Automatic operation	✓
Semiautomatic operation	✓
Man present functions	
Pre-flashing disable	✓
Gate open led with proportional flashing	
Gate open led	
Limit switch	✓
Photocell test at start of manoeuvre	
Disable photocell test	
Twin pair of photocells	
Close 5 secs after photocells	
Working time (TL) adjustment	✓
Gate open time (TCA) adjustment	✓
Gate open time (TCA) disable	✓
Delay wing closing	
Electronic force adjustment	✓
Automatic realignment after black-out	
Step-by-step operation (openstop-close-stop-open)	✓
No reverse in opening manoeuvre	✓
Pedestrian feature	
Clock function	✓

Encoder	✓
Built-in radio card	✓
Slow-down	✓
Receiver preset for digital keypads	✓

Outputs-Inputs

K892M

M1 output	✓
M2 output	✓
Flashing light output	✓
Courtesy light output	✓
Electric lock output	
Gate open LED output	
12 Vdc output for auxiliaries	
24 Vac output for auxiliaries	✓
Internal photocell FTI output	
External photocell FTE output	
Open/close input	✓
Pedestrian input	
Stop input	✓
Open button input	
Close button input	
Sensitive edge input	✓

**600D703**

230/400 V electronic control unit for one gate operator with electrical brake, complete with enclosure.

ACCESSORIES

750COP2
Control unit box cover
with 2 command
buttons

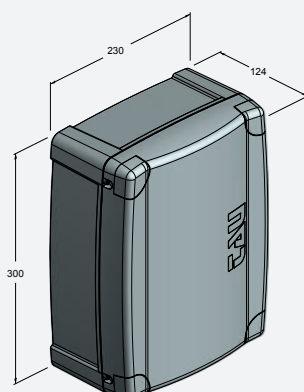
750COP3
Control unit box cover
with 3 command
buttons



750COL
Control unit mounting
post



750CUP
Control unit enclosure
protective lid

TECHNICAL DRAWINGS**USE AND
MAINTENANCE MANUALS**

D703M

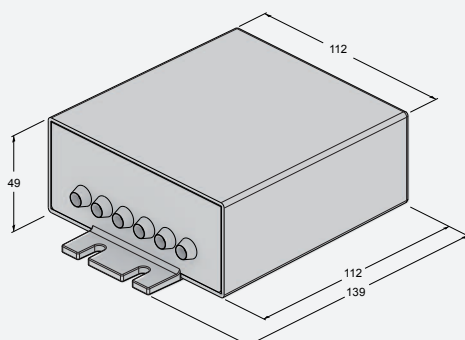
OLS = Open limit switch
 CLS = Close limit switch
 O/C = Open/Close
 Ped = Pedestrian
 Cap = Capacitor
 TX = Transmitter
 RX = Receiver
 M = Motor
 COM = Common
 ENC = Encoder

Encoder	✓
Built-in radio card	
Slow-down	
Receiver preset for digital keypads	

Outputs-Inputs	D703M
M1 output	✓
M2 output	
Flashing light output	✓
Courtesy light output	
Electric lock output	
Gate open LED output	✓
12 Vdc output for auxiliaries	
24 Vac output for auxiliaries	✓
Internal photocell FT1 output	
External photocell FTE output	✓
Open/close input	✓
Pedestrian input	✓
Stop input	✓
Open button input	✓
Close button input	✓
Sensitive edge input	✓

**750K330M**

Electronic control unit for 230 V central motors with built-in 433,92 MHz radio receiver, complete with enclosure.

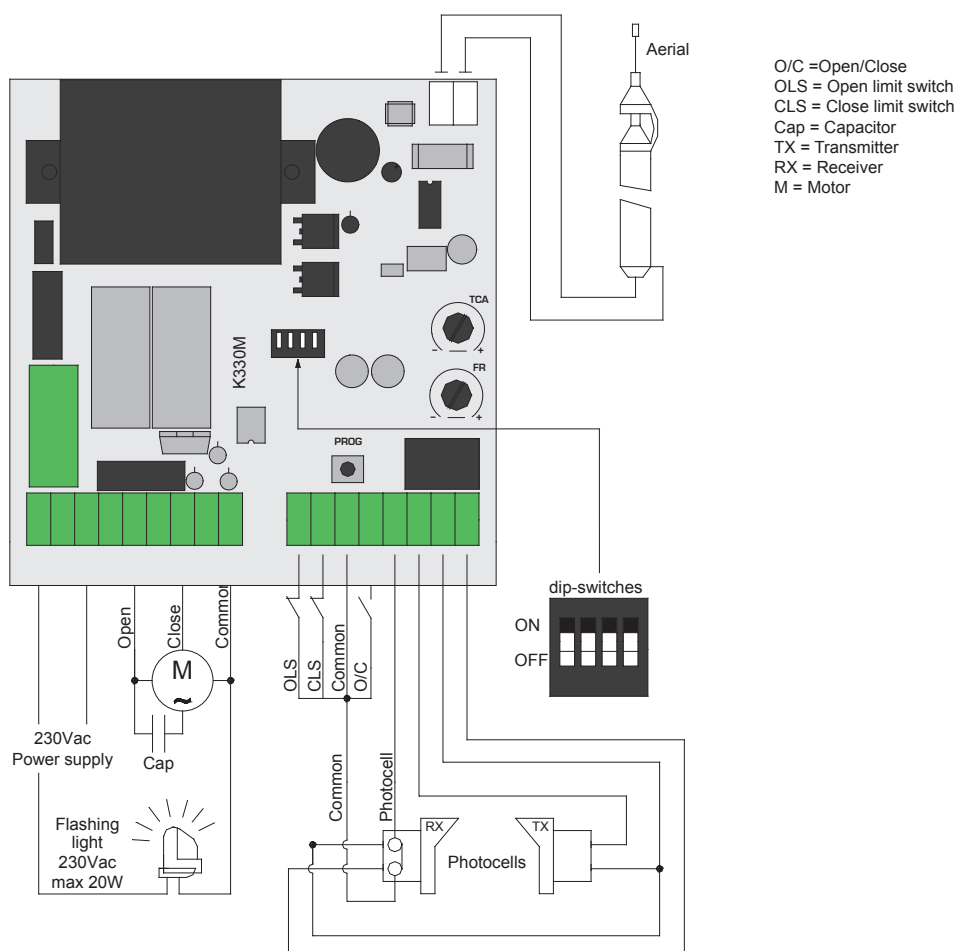
TECHNICAL DRAWINGS**USE AND
MAINTENANCE MANUALS**

K330M



MADE IN
ITALY

WIRING DIAGRAM



Programmable Functions

K330M

Automatic operation	✓
Semiautomatic operation	✓
Man present functions	
Pre-flashing disable	
Gate open led with proportional flashing	
Gate open led	
Limit switch	✓
Photocell test at start of manoeuvre	✓
Disable photocell test	✓
Twin pair of photocells	
Close 5 secs after photocells	
Working time (TL) adjustment	✓
Gate open time (TCA) adjustment	✓
Gate open time (TCA) disable	✓
Delay wing closing	
Electronic force adjustment	✓
Automatic realignment after black-out	
Step-by-step operation (openstop-close-stop-open)	✓
No reverse in opening manoeuvre	✓
Pedestrian feature	
Clock function	✓

Encoder

Built-in radio card	✓
Slow-down	
Receiver preset for digital keypads	✓

Outputs-Inputs

K330M

M1 output	✓
M2 output	
Flashing light output	✓
Courtesy light output	
Electric lock output	
Gate open LED output	
12 Vdc output for auxiliaries	
24 Vac output for auxiliaries	✓
Internal photocell FTI output	
External photocell FTE output	✓
Open/close input	✓
Pedestrian input	
Stop input	
Open button input	
Close button input	
Sensitive edge input	

PF40



200PF40

50 Watt photovoltaic panel complete with adjustable fixing bracket in stainless steel.

200BATTMFR

12 Volt 27Ah battery.

200PSP

Support pole for photovoltaic panel.

200RCF

Adjustment board for photovoltaic panel.

200APP

Wall fixing bracket.

200CB

Box for battery 12 V 27Ah.



200BATTMFR



200RCF



200PSP



200APP



200CB

FEATURES:

- photovoltaic panels can be combined with all TAU 12 V operators
- no need for power lines or a smart grid
- through the RCF adjustment board, the photovoltaic panel charges and controls the batteries. To ensure the operation of the panel even with cloudy weather, the number and capacity of the batteries will be calculated accordingly.

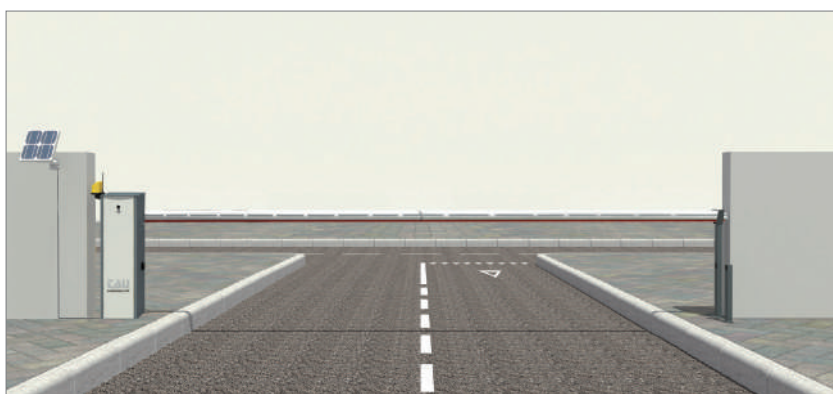
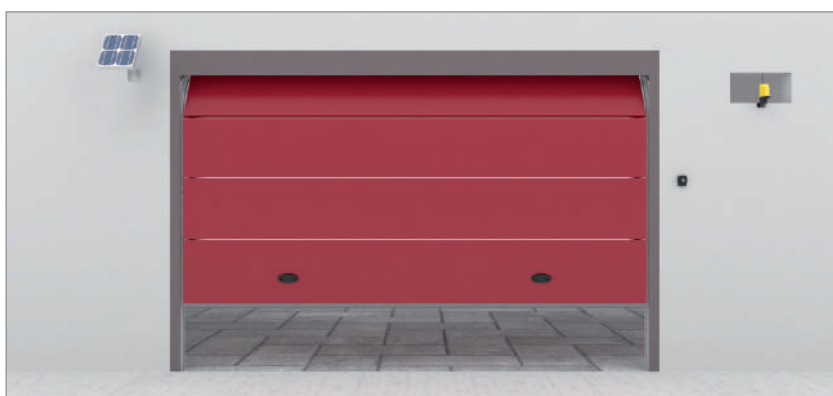
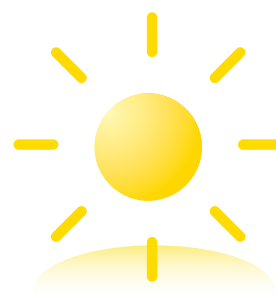
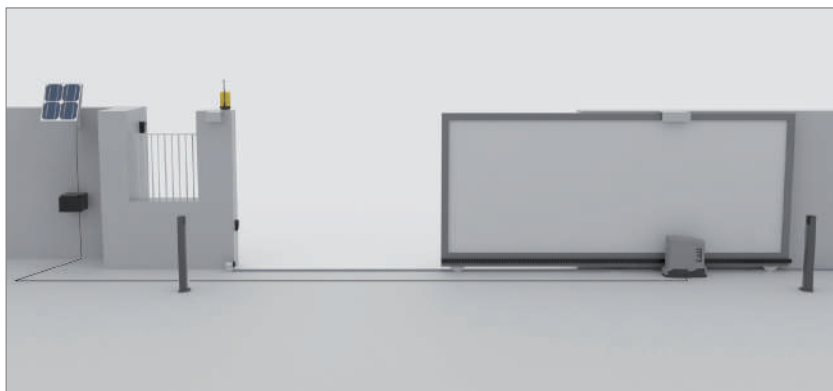
PROS:

- easy and quick installation
- ideal when the installation is far from available power lines
- battery ensures that the gate continues to work even in the event of prolonged cloudy weather
- energy saving and environmental friendly



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TYPICAL SYSTEM



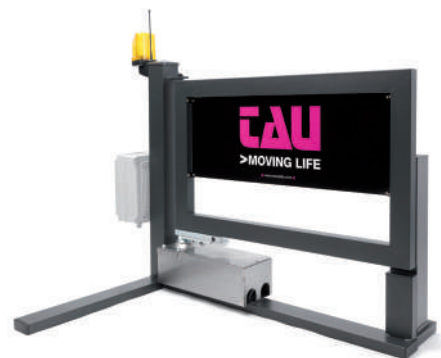
To find out the optimal size of the PV power system please contact our customer care at: assistenza@tauitalia.com

EXPO



C-SHOWD

Demogate with ARM2000BI operator and T-ONE6B sliding motor



C-SHOW01

Demogate with R18BENC underground swing gate operator



C-SHOW02

Demogate with T-ONE6B sliding gate operator



C-SHOW03

Demogate with ARM2000BI swing gate operator



C-TOTEM

Advertising totem pole, 165 cm



C-BNL

Notepad



C-PENNA

Pen



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C-T-SHIRT

T-shirt Tau
S - M - L - XL - XXL



C-FELPA

Tau blue sweatshirt
S - M - L - XL - XXL



C-PILE

Tau dark grey fleece
S - M - L - XL - XXL



C-GILET

Tau vest
S - M - L - XL - XXL



C-GIUB-ICELAND

Tau jacket
S - M - L - XL - XXL



C-GUA

Work gloves with Tau logo



C-CAP1

Peaked cap



C-CAP2

Wool cap with Tau logo

SALES TERMS

SALES CONDITIONS

Unless agreed otherwise, prices indicated in the current price-list are intended as ex works and inclusive packing in cardboard boxes. VAT and all Taxes are to the customer's charge. The prices indicated in the current price-list are not binding and company TAU s.r.l. reserves the right to amend them without notice. TAU s.r.l. disclaims all responsibility for non-compliance of safety standards and for incorrect use of the product by unqualified installer. Company TAU s.r.l. conserves ownership of the goods supplied until such time as full payment has been made. For bulk quantities ask for offer.

DELIVERY: Ex works.

GUARANTEE: See the certificate enclosed to the product.

N.B.: Due to its continued product improvement policy and its desire to more closely satisfy market requirements, TAU srl reserves the right to modify the technical data and the contents of this publication without prior notice. It also declines liability for any printing or transcription errors.

LEGEND



In accordance with EN 12453 standards



High Speed automations



Compatible with photovoltaic panel



Wi-Fi connection device for the TauApp application



Ethernet + Wi-Fi device to enable the use of the TauOpen application



Product with control unit with BUS technology



Catalogue 2021 rev.00



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