















**AUTOMATION DEVICES FOR  
GATES  
GARAGE DOORS  
BARRIERS  
SHUTTERS  
SUNSHADES**

**ENG**

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# Our values...

## EFFICIENCY

V2 products are the most reliable and the fastest to install. V2 guarantees easy installation and utmost flexibility.

## PROFESSIONALISM

Over thirty years' experience has allowed us to develop a specific range of products for professionals, designed to their requirements and needs.

## COMPLETENESS

Everything you need, a single brand and a single philosophy. V2 allows you to create complex systems including gates, garages, shutters and awnings.

## GREEN

We think about the environment and energy saving. ECO-LOGIC is a solar energy device to power V2 motors without connections to the mains power supply. Be green, be eco-logic.

## SAFETY

V2 offers a vast range of accessories and safety devices to totally protect end users against the hazard of crushing and accidents.

## DESIGN

Not just efficient and professional, but beautiful too. V2 products stand out for their modern, captivating design and suitability for any environment, whether domestic or industrial.









# Electronic excellence

V2 designs, manufactures, tests and distributes a complete range of products for domestic, residential and industrial automation.

Over thirty years' experience in the electronics field has allowed us to formulate a complete and thorough range, from automations for swing and sliding gates to those for sectional and pivoting garage doors, from road barriers to tubular motors for awnings and shutters, moving on to motors for small and large shutters.

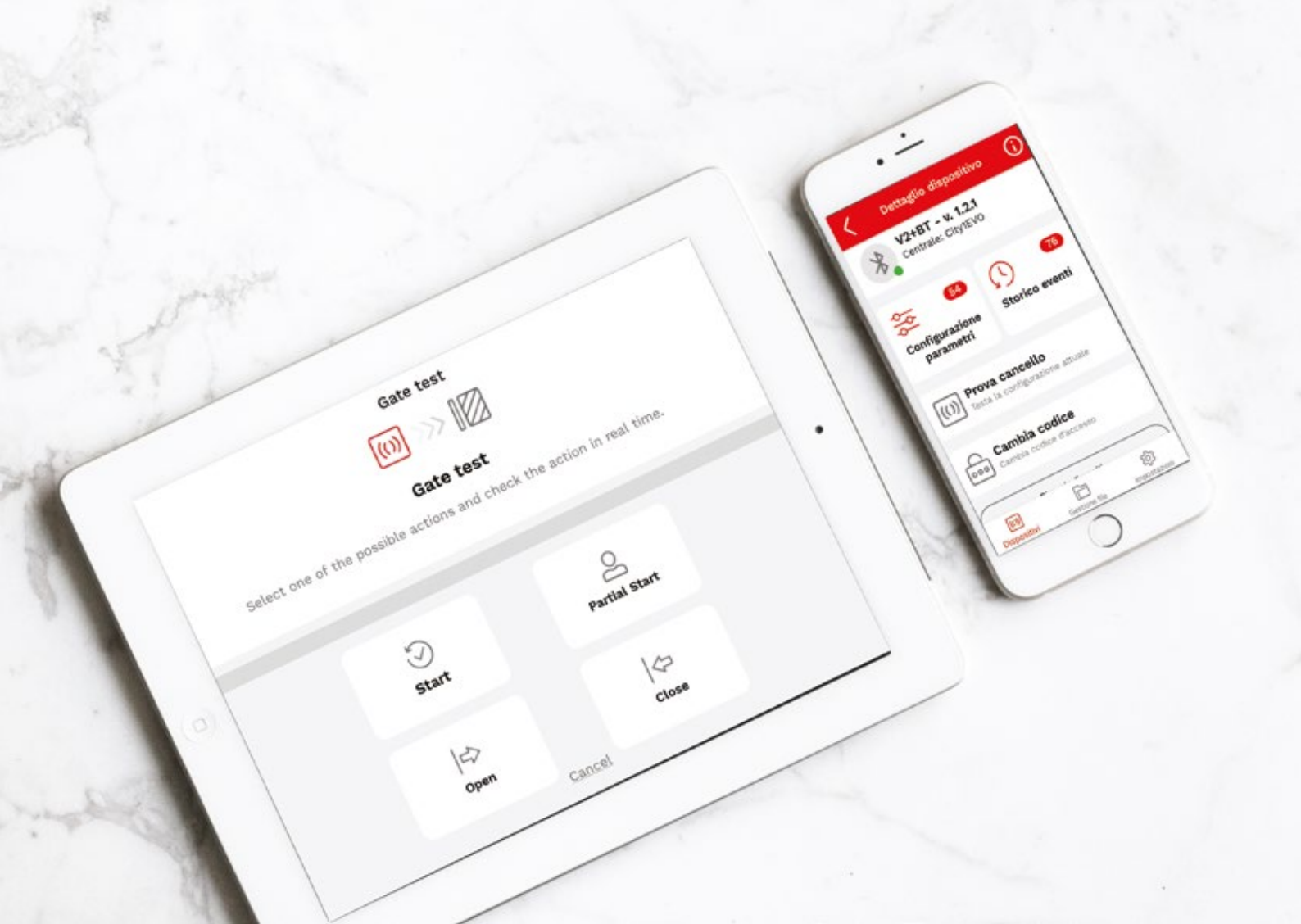
V2 also offers a vast range of accessories for every need and context, while always guaranteeing design, quality and efficiency.





# Advanced mechanics





## Comfort and simplicity

V2 APPTOOL is the exclusive management app created by V2 and designed specifically for technicians and installers. Thanks to V2 APPTOOL, you can program the control unit and configure its parameters directly from a smartphone or tablet.

V2 APPTOOL works via Bluetooth protocol, is available for download on Google Store and Apple Store and connects to the control unit using the practical BT01 module.

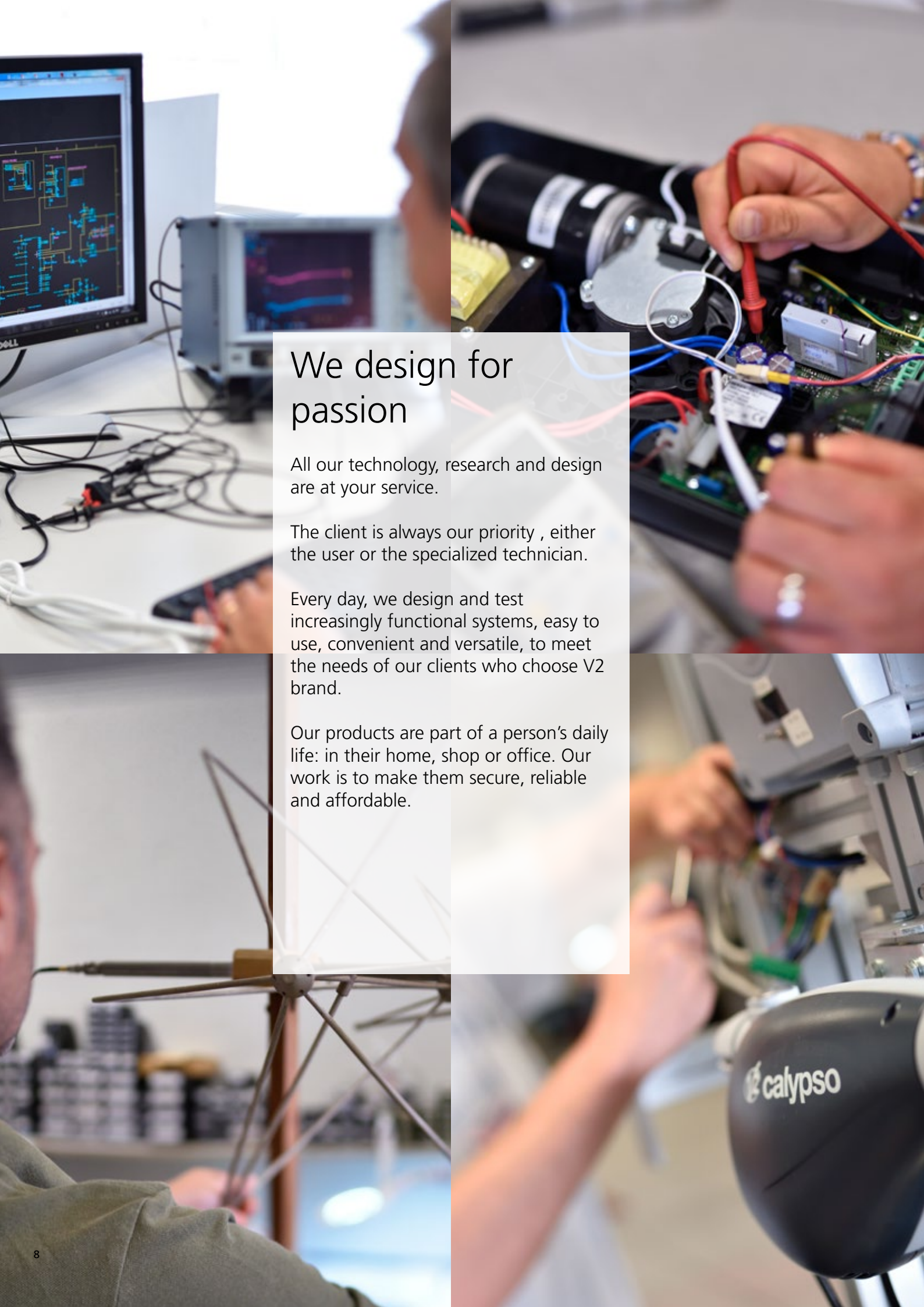
**EASY TO USE.** V2 Apptool has functional and intuitive graphics. It enables the fastest and easiest parameter management of the control unit.

**ALL DATA AT HANDS' REACH.** Loading the default data on the control unit, read the current configuration or load a previously saved one: everything is a matter of an instant.

**DOWNLOAD!** You can access the events register, quickly update the firmware and connect your configurations in cloud.







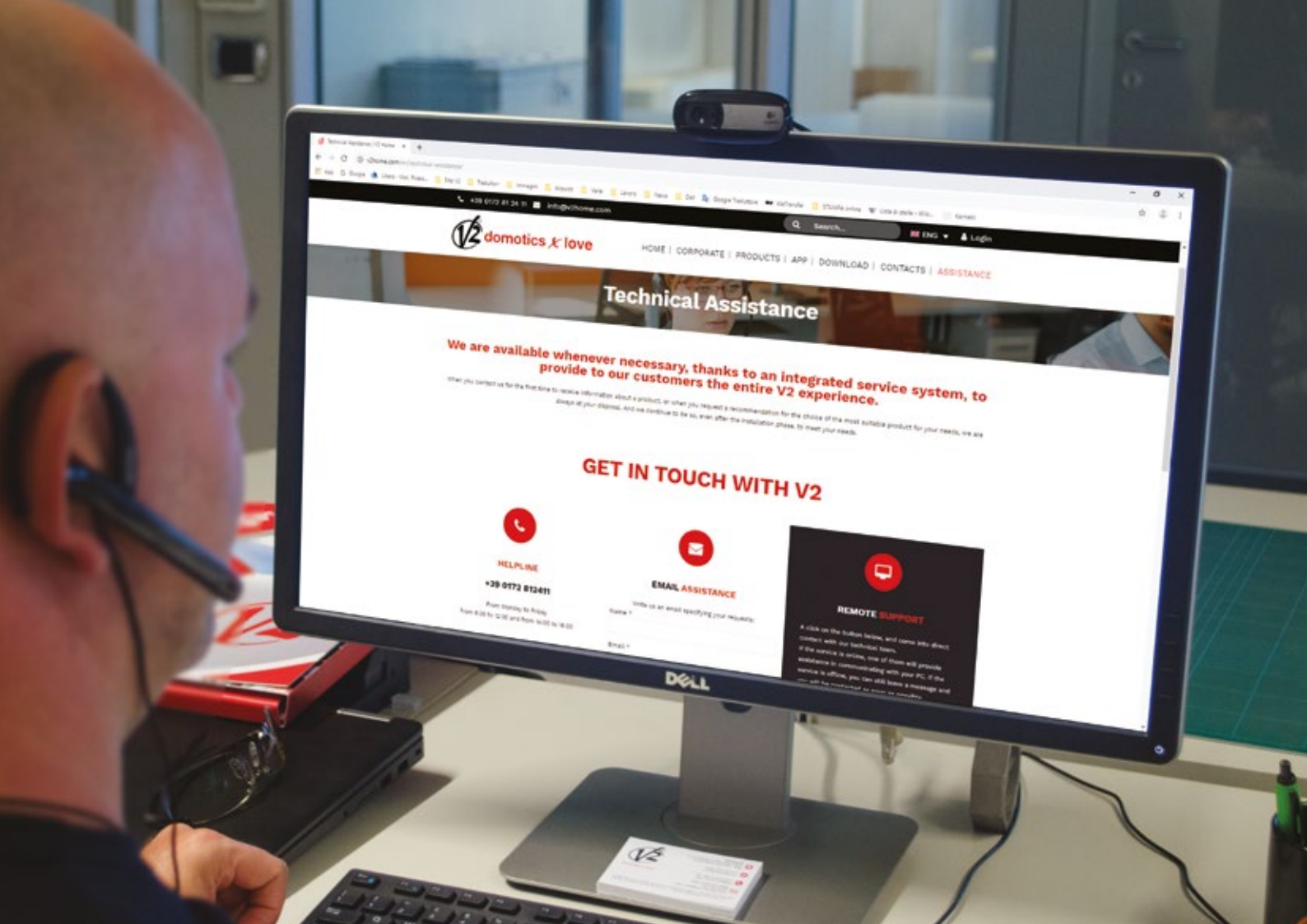
## We design for passion

All our technology, research and design are at your service.

The client is always our priority , either the user or the specialized technician.

Every day, we design and test increasingly functional systems, easy to use, convenient and versatile, to meet the needs of our clients who choose V2 brand.

Our products are part of a person's daily life: in their home, shop or office. Our work is to make them secure, reliable and affordable.



## Technical support and training

By choosing a V2 product, you are also choosing a state-of-the-art support service that knows how to accompany you step by step, from choosing the ideal automation for you up to installation phases.

V2 offers you the best support in every environment, wherever you are. In fact, V2 has a network of distributors and branches in Europe and the rest of the world, ready to advise and assist you.

For any commercial or technical requirement, for advice or to find out about our latest product upgrades, you can contact our technical support by email, chat, remote support or by phone. Our technicians are always ready to help!

We guarantee quality and professionalism also through training. Each year, V2 invests time and resources in training its technicians and its clients, organising technical trainings in its branches abroad and in the innovative demo hall at its headquarters in Italy.







# INDEX OF PRODUCTS

## Electromechanical for RESIDENTIAL USE

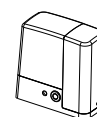
14 **TORQ**



16 **AYROS**

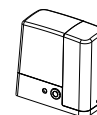


18 **FORTECO**

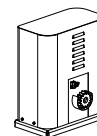


## Electromechanical for INDUSTRIAL USE

18 **FORTECO 2500-I**



20 **HYPERFOR**



MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

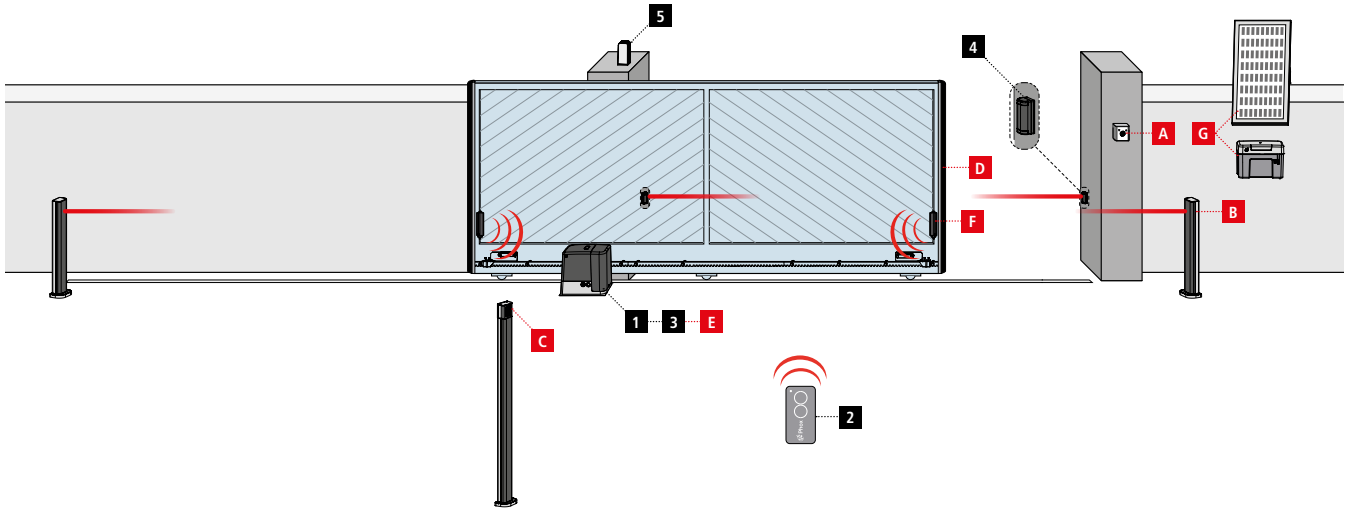
ELECTRONICS FOR  
TUBULAR MOTORS







# EXAMPLE SYSTEM



## COMPONENTS

- 1 Motor
- 2 Transmitter
- 3 Receiving module
- 4 Photocells
- 5 Flashing light

## ADDITIONAL ACCESSORIES

- A Key switch
- B Pillar photocells
- C Pillar-mounted digital radio switch
- D Safety edges
- E WES-ADI module (via radio management of edges)
- F WES sensors
- G ECO-LOGIC system

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Power supply (230 - 400V)	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174
ECO-LOGIC (accumulator unit)	2 x 1.5 mm <sup>2</sup>	-	-
ECO-LOGIC (solar panel)	2 x 1 mm <sup>2</sup>	-	-

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



## Irreversible electromechanical rack actuator motor reducer

### for sliding gates weighing up to 500 Kg

Available in two versions:  
24V and 230V



#### 24V versions:

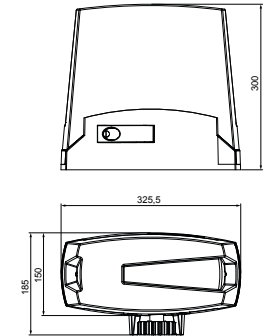
- DIGITAL control unit
- Accurate and safe operation with encoder
- Self-learning of opening and closing times
- Obstacle detection
- Programmable acceleration and deceleration
- Soft start (programmable start-up rate)
- Operation in case of absence of power using the 161237 backup battery
- Operation with solar power using the ECO-LOGIC system
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time

- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- ADI connector for connecting optional modules



#### 230V version:

- ANALOGUE control unit
- Built-in 433.92 MHz receiver (only compatible with PHOX series transmitters)
- Opening and closure times self-learning
- Obstacles detection
- Adjustments and programming using a trimmer and dip-switch
- Mechanical limit switches



## TECHNICAL FEATURES

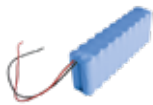
Description	24V gates up to 500 Kg DIGITAL control unit	24V gates up to 400 Kg DIGITAL control unit FAST motor	230V gates up to 500 Kg ANALOGUE control unit
MODEL	TORQ500D-24V	TORQ400D-24V-F	TORQ500A-230V
CODE	23G001	23G002	23G003
Gate maximum weight (Kg)	500	400	500
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	300	250	300
Full load current @ 230Vac (A)	2	1.1	1.3
Gate speed (m/s)	0.28	0.36	0.17
Maximum thrust (N)	600	400	450
Duty cycle (%)	90	70	30
Pinion	M4-Z15	M4-Z15	M4-Z15
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	9	9	9
Protection degree (IP)	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	6

## ACCESSORIES

NOTE: the electronic accessories can only be used with TORQ models equipped with a DIGITAL control unit



11B047 ▪ MR2	161221 ▪ BT01	161225 ▪ V2KNX-01	35B026 ▪ WES-ADI	161216 ▪ SYNCRO
433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and <b>V2app</b>	ADI module to connect the control unit to the KNX network	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors



161237	161238	162313	162329	162322	ACC009
Battery 24 V 1,6 Ah	Battery charger for 161237	Nylon rack M4 – 6 attachments 1 m long with metallic insert	Galvanised metal rack 30x8 M4 1m long with fixing kit	Galvanised metal rack 30x12 M4 1m long with fixing kit	Warning sign

## TORQ KIT



Kit MODEL ▼	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> TORQ500D-24V	■ ■	■				30C109
<b>Kit Full</b> TORQ500D-24V	■ ■	■	■	■	■	30C110
<b>Kit Light</b> TORQ500A-230V	■ ■					30C111
<b>Kit Full</b> TORQ500A-230V	■ ■		■	■	■	30C112

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

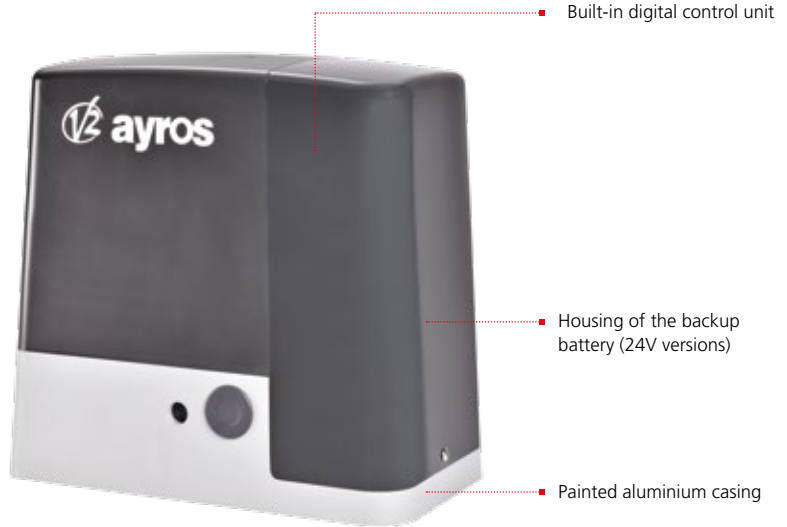
# AYROS



## Irreversible electromechanical rack actuator motor reducer

### for sliding gates weighing up to 1500 Kg

Available in version **24V, 230V** and **230V three-phase with INVERTER**



- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output
- ADI connector for connecting optional modules
- Soft start (programmable start-up rate)

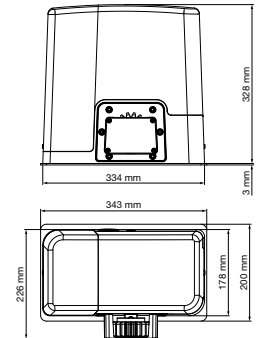
#### 24V versions:

- Programmable acceleration and deceleration
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system



#### INVERTER version:







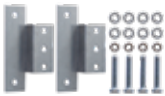




- Three-phase motor with inverter with 230V control unit
- Programmable acceleration and deceleration
- Adjustable stroke and slowing speed
- Dynamic management of the torque during all phases of the opening / closing cycle



## TECHNICAL FEATURES

Description	24V gates up to 500 Kg FAST motor	24V gate up to 600 Kg	24V gate up to 1000 Kg	230V gate up to 800 Kg	230V gate up to 1200 Kg	230V (INVERTER) gate up to 1500 Kg
<b>MODEL</b>	<b>AYROS 500D-24V-F</b>	<b>AYROS 600D-24V</b>	<b>AYROS 1000D-24V</b>	<b>AYROS 800D-230V</b>	<b>AYROS 1200D-230V</b>	<b>AYROS 1500D-I</b>
<b>CODE</b>	<b>23C052</b>	<b>23C034</b>	<b>23C035</b>	<b>23C032</b>	<b>23C033</b>	<b>23C054</b>
Gate maximum weight (Kg)	500	600	1000	800	1200	1500
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	550	400	550	500	600	570
Full load current @ 230Vac (A)	2.5	2	2.5	2	2.6	5
Gate speed (m/s)	0.25 (@ 200N) 0.4 (unloaded)	0.14 (@ 300N) 0.26 (unloaded)	0.14 (@ 450N) 0.26 (unloaded)	0.16	0.16	0.035 - 0.26
Maximum thrust (N)	400	600	900	670	950	1400
Duty cycle (%)	60	60	60	30	30	50
Pinion	M4-Z18	M4-Z18	M4-Z18	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	16	16	18	15	16	15
Protection degree (IP)	44	44	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	7	10	10	10

## ACCESSORIES

				
<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>	<b>161225 ▪ V2KNX-01</b> ADI module to connect the control unit to the KNX network	<b>35B026 ▪ WES-ADI</b> ADI module for radio control of the safety devices through WES sensors	<b>161216 ▪ SYNCRO</b> ADI modules for synchronized operation of two motors
				
<b>161212 ▪ B-PACK</b> Backup battery with built-in charger	<b>162330</b> Additional anchoring clamps	<b>162313</b> Nylon rack M4 – 6 attachments 1 m long with metallic insert	<b>162329</b> Galvanised metal rack 30x8 M4 1m long with fixing kit	<b>162322</b> Galvanised metal rack 30x12 M4 1m long with fixing kit
				
				<b>ACC009</b> Warning sign

## AYROS KIT

						
Kit MODEL ▼	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> AYROS600D-24V	■ ■	■				30C072
<b>Kit Full</b> AYROS600D-24V	■ ■	■	■	■	■	30C073
<b>Kit Light</b> AYROS1000D-24V	■ ■	■				30C074
<b>Kit Full</b> AYROS1000D-24V	■ ■	■	■	■	■	30C075
<b>Kit Light</b> AYROS800D-230V	■ ■	■				30C078
<b>Kit Full</b> AYROS800D-230V	■ ■	■	■	■	■	30C079
<b>Kit Light</b> AYROS1200D-230V	■ ■	■				30C104
<b>Kit Full</b> AYROS1200D-230V	■ ■	■	■	■	■	30C105

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



# FORTECO



## Irreversible electromechanical rack actuator motor reducer

### for sliding gates weighing up to 2500 Kg

Available in **230V single-phase** and **230V three-phase with INVERTER**

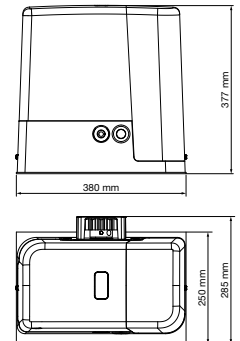


- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time
- Possibility to fit an M6 pinion
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output

- ADI connector for connecting optional modules
- Soft start (programmable start-up rate)

**INVERTER version:**











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

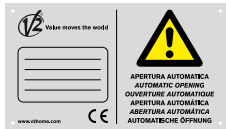


## TECHNICAL FEATURES

Description	230V gates up to 1800 Kg	230V gates up to 2200 Kg	230V (INVERTER) gates up to 2500 Kg
<b>MODEL</b>	<b>FORTECO 1800-230V</b>	<b>FORTECO 2200-230V</b>	<b>FORTECO 2500-I</b>
<b>CODE</b>	<b>23E014</b>	<b>23E015</b>	<b>23E011</b>
Gate maximum weight (Kg)	1800	2200	2500
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	650	800	750
Full load current @ 230Vac (A)	3.2	4	3.7
Gate speed (m/s)	0.16	0.16	0.035 - 0.26
Maximum thrust (N)	1300	1550	1660
Duty cycle (%)	35	35	50
Pinion	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	18	18	19
Protection degree (IP)	44	44	44
Maximum load on 24 Vac accessories (W)	10	10	10

## ACCESSORIES

				
<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>	<b>161225 ▪ V2KNX-01</b> ADI module to connect the control unit to the KNX network	<b>35B026 ▪ WES-ADI</b> ADI module for radio control of the safety devices through WES sensors	<b>161216 ▪ SYNCRO</b> ADI modules for synchronized operation of two motors
				
<b>162322</b> Galvanised metal rack 30x12 M4 1m long with fixing kit	<b>162324</b> Galvanised metal rack 22x22 M4 1 m long	<b>162323</b> Galvanised metal rack 30x30 M6 1 m long	<b>MM017B</b> M6 pinion for 162323 rack	<b>172357</b> Cover in painted aluminium



### ACC009

Warning sign

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# HYPERFOR



## Irreversible electromechanical rack actuator motor reducer

### for sliding gates weighing up to 4000 Kg

Available in two versions  
**230V three-phase** with **INVERTER**  
and **400V three-phase**



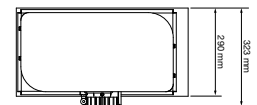
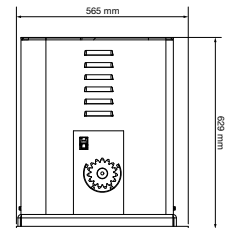
- Intensive operation even with large gates
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Possibility to adjust the gearmotor torque
- Industrial electromechanical limit switch and M6 pinion
- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function

- 2 inputs for mechanical or resistive safety edges
- Three programmable relay outputs as lights, electric lock, warning light, electric brake or functioning test 12Vdc
- ADI connector for connecting optional modules



#### INVERTER version

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



## TECHNICAL FEATURES

Description	230V three-phase with INVERTER gates up to 4000 Kg	400V three-phase gates up to 4000 Kg
<b>MODEL</b>	<b>HYPERFOR 4000-I</b>	<b>HYPERFOR 4000</b>
<b>CODE</b>	<b>23F003</b>	<b>23F004</b>
Gate maximum weight (Kg)	4000	4000
Power supply (Vac - Hz)	230 - 50	400 / 50
Maximum electric power (W)	1100	1100
Mechanical nominal power (W-HP)	750-1	750-1
Full load current (A)	5	2
Gate speed (m/s)	0.016 ÷ 0.32	0.16
Maximum thrust (N)	4800	4800
50% load duty cycle (%)	95	95
Pinion	M6-Z15	M6-Z15
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	80	80
Protection degree (IP)	55	55
Maximum load on 24 Vac accessories (W)	10	10

## ACCESSORIES



11B047 ▪ MR2	161221 ▪ BT01	161225 ▪ V2KNX-01	35B026 ▪ WES-ADI	161216 ▪ SYNCRO
433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module to connect the control unit to the KNX network	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors



162323	ACC009
Galvanised metal rack 30x30 M6 1 m long	Warning sign

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

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SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



















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MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

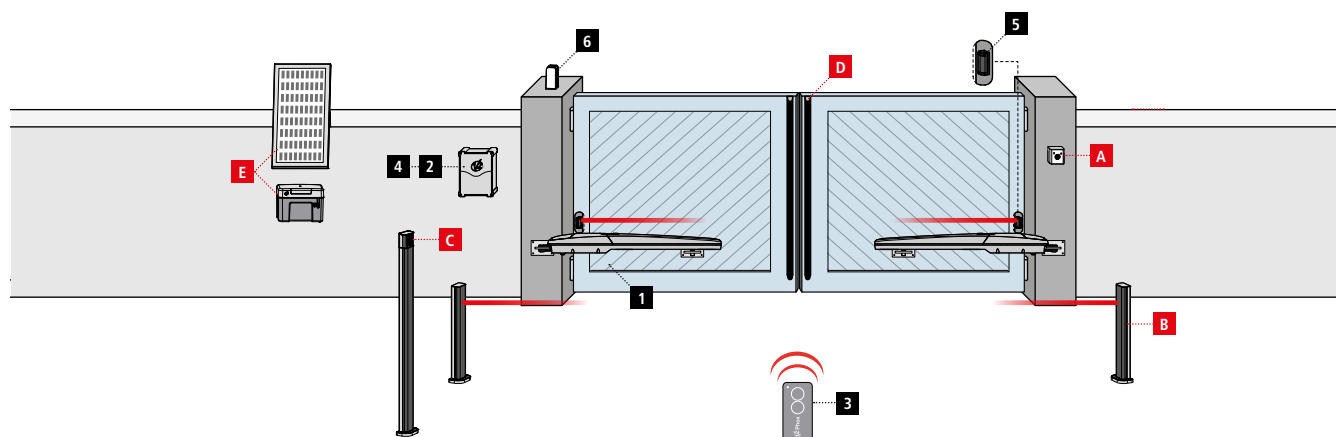
TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS





# EXAMPLE SYSTEM



## COMPONENTS

- 1** Motor
- 2** Control unit
- 3** Transmitter
- 4** Receiving module
- 5** Photocells
- 6** Flashing light

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Pillar photocells
- C** Pillar-mounted digital radio switch
- D** Safety edges
- E** ECO-LOGIC system

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
230V motor power supply	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
24V motor power supply	2G x 1.5 mm <sup>2</sup>	2G x 1.5 mm <sup>2</sup>	2G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Safety edges	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174
ECO-LOGIC (accumulator unit)	2 x 1.5 mm <sup>2</sup>	-	-
ECO-LOGIC (solar panel)	2 x 1 mm <sup>2</sup>	-	-

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

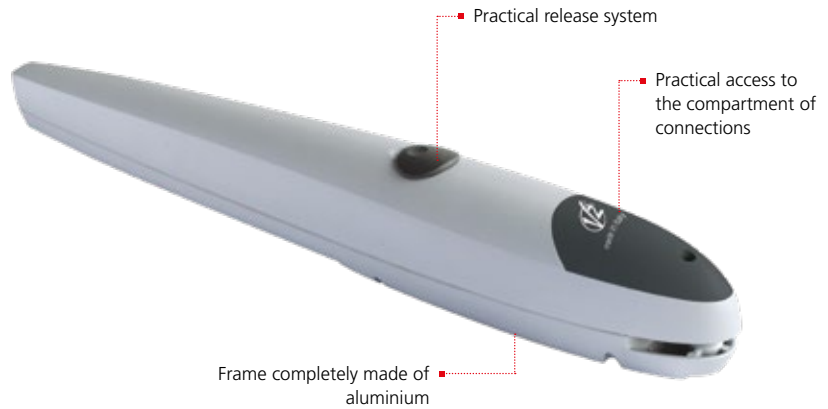
ELECTRONICS FOR TUBULAR MOTORS



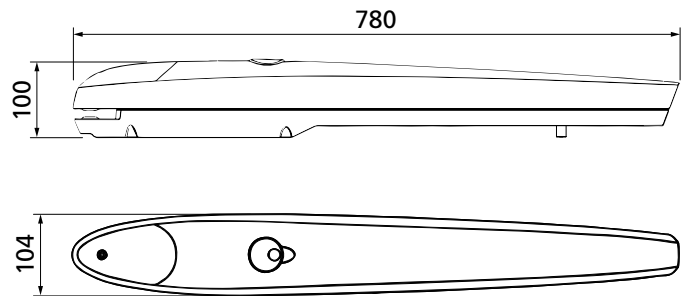
# NYK

## 24V irreversible electromechanical actuator

for swing gates with leaves up to 2 m in length



- Equipped with opening mechanical limit stop
- Mechanical closing stop available as an accessory
- Single version for both right and left leaves
- Adjustable fixing brackets to speed up engine installation



### TECHNICAL FEATURES

Description	24V for leaves up to 2 m
<b>MODEL</b>	<b>NYK-24V</b>
<b>CODE</b>	<b>22K001</b>
Maximum leaf length (m)	2
Maximum leaf weight (Kg)	250
Power supply (Vac - Hz)	24
Idling current (A)	0.4
Full load current (A)	6
Maximum electric power (W)	80
Opening time of the leaf 0 ÷ 90° (s)	16
Maximum travel (mm)	320
Operating speed (m/s)	0.016
Maximum thrust (N)	1500
Working temperature (°C)	-20 ÷ +55
Protection degree (IP)	44
Duty cycle (%)	50
Motor weight (Kg)	6

## CONTROL UNITS TO BE USED

M  
24V



**CITY2+**

Digital control unit for 24V motors

## ACCESSORIES



**162268**

Adjustable mechanical stop  
(pack of 2 pcs.)

**ACC009**

Warning sign

## NYK KIT



Kit MODEL ▼	CONTROL UNIT	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
Kit Light NYK	CITY2+	■ ■	■				29H001
Kit Full NYK	CITY2+	■ ■	■	■	■	■	29H002

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

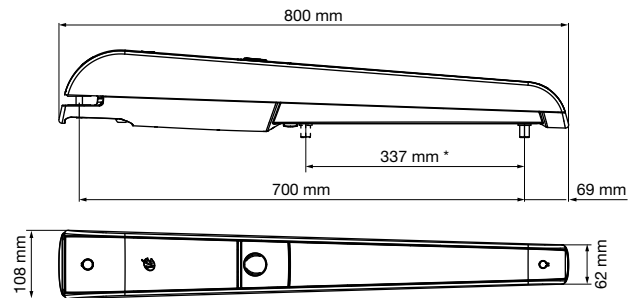
# AXIL

## 230V irreversible electromechanical actuator

for swing gates with leaves up to 2.8 m in length



- All the models in the Axil range are fitted with opening mechanical limit stop
- Practical wiring compartment
- Internal start capacitor
- Versions with encoder for accurate and safe operation
- Version with electrical limit switch in opening



## TECHNICAL FEATURES

Description	230V opening mechanical stop	230V opening electrical limit switch	230V encoder
<b>MODEL</b>	<b>AXIL</b>	<b>AXIL-FC</b>	<b>AXIL-ECD</b>
<b>CODE</b>	<b>22J001</b>	<b>22J002</b>	<b>22J003</b>
Maximum leaf length (m)	2.8	2.8	2.8
Maximum leaf weight (Kg)	300	300	300
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Idling current (A)	0.8	0.8	0.8
Full load current (A)	1.1	1.1	1.1
Maximum electric power (W)	230	230	230
Opening time of the leaf 0 ÷ 90° (s)	20	20	20
Maximum travel (mm)	350	350	350
Operating speed (m/s)	0.016	0.016	0.016
Maximum thrust (N)	1700	1700	1700
Working temperature (°C)	-30 ÷ +55	-30 ÷ +55	-30 ÷ +55
Protection degree (IP)	44	44	44
Duty cycle (%)	35	35	35
Motor weight (Kg)	7.5	7.5	7.5

## CONTROL UNITS TO BE USED

M  
230V



M  
230V



M  
230V



<b>CITY1-EVO</b> Digital control unit for 230V motors	<b>FLEXY2</b> Analogue control unit for 230V motors	<b>CITY11</b> Analogue control unit for 230V motors Output for 12V electrolock
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## ACCESSORIES



<b>162223</b> Closing mechanical stop	<b>162224</b> Front screw bracket	<b>162225</b> Rear screw bracket	<b>ACC009</b> Warning sign
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## AXIL KIT



Kit MODEL ▼	CONTROL UNIT	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> AXIL-230V	CITY1-EVO	■ ■	■				29F021
<b>Kit Full</b> AXIL-230V	CITY1-EVO	■ ■	■	■	■	■	29F022

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

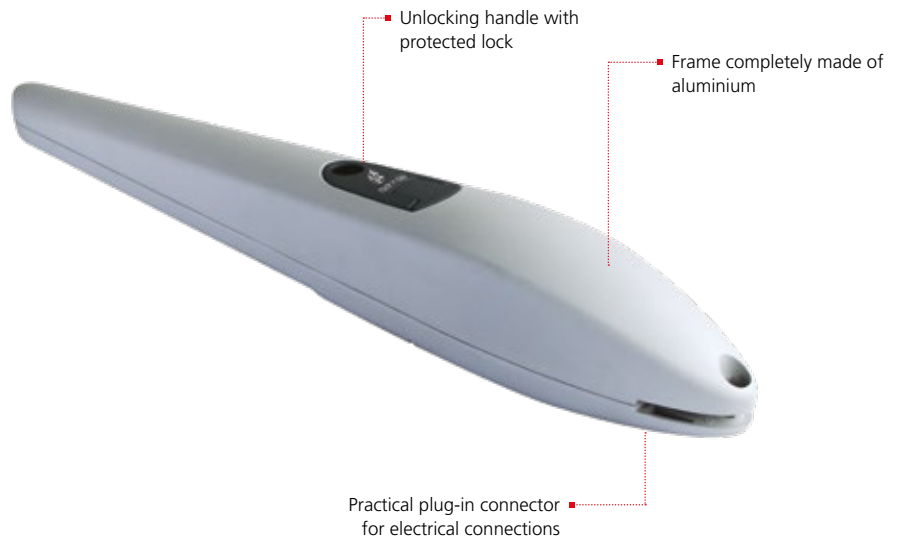
ELECTRONICS FOR  
TUBULAR MOTORS

# STARK3

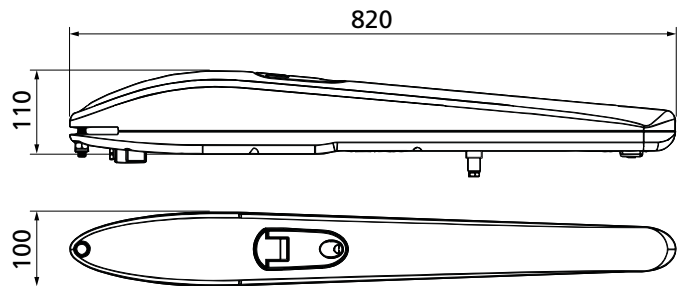
**Irreversible  
electromechanical  
actuator**

**for swing gates  
with leaves  
up to 3 m in length**

Available in two versions:  
**24V** and **230V**



- Equipped with opening mechanical limit stop
- Mechanical closing stop available as an accessory
- Single version for both right and left leaves
- Adjustable fixing brackets to speed up engine installation



## TECHNICAL FEATURES

Description	24V for leaves up to 3 m	230V for leaves up to 3 m
<b>MODEL</b>	<b>STARK3-24V</b>	<b>STARK3-230V</b>
<b>CODE</b>	<b>22K002</b>	<b>22K003</b>
Maximum leaf length (m)	3	3
Maximum leaf weight (Kg)	600	600
Power supply (Vac - Hz)	24 Vdc	230 - 50
Idling current (A)	0.8	1
Full load current (A)	15	1.6
Maximum electric power (W)	120	200
Opening time of the leaf 0 ÷ 90° (s)	15	18.5
Maximum travel (mm)	360	360
Operating speed (m/s)	0.020	0.016
Maximum thrust (N)	2000	2000
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	44	44
Duty cycle (%)	90	30
Motor weight (Kg)	7	8

## CONTROL UNITS TO BE USED



<b>CITY2+</b> Digital control unit for 24V motors	<b>CITY1-EVO</b> Digital control unit for 230V motors	<b>FLEXY2</b> Analogue control unit for 230V motors
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## ACCESSORIES



<b>162258</b> Adjustable mechanical stop (pack of 2 pcs.)	<b>ACC009</b> Warning sign
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## STARK3 KIT



Kit MODEL ▼	CONTROL UNIT	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> STARK3-24V	CITY2+	■ ■	■				29H003
<b>Kit Full</b> STARK3-24V	CITY2+	■ ■	■	■	■	■	29H004
<b>Kit Light</b> STARK3-230V	CITY1-EVO	■ ■	■				29H005
<b>Kit Full</b> STARK3-230V	CITY1-EVO	■ ■	■	■	■	■	29H006

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# BINGO

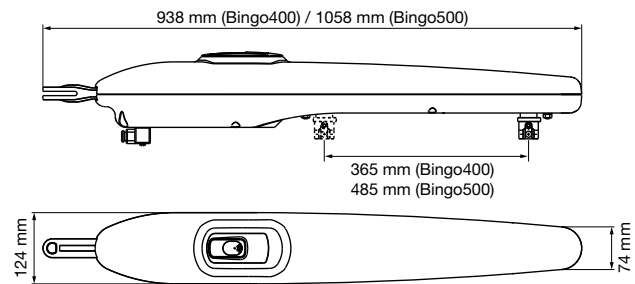
**Irreversible  
electromechanical  
actuator**

**for swing gates  
with leaves  
up to 5 m in length**

Available in two versions:  
**24V** and **230V**



- All the models are fitted with both opening and closing mechanical limit stop: side stops are no longer required on the gate
- Internal start capacitor
- 24V version for intensive use
- 400 version for leaves up to 2.5 m
- 500 version for leaves up to 3 m



## TECHNICAL FEATURES

Description	230V for leaves up to 3.5 m	230V for leaves up to 5 m	24V for leaves up to 3.5 m	24V for leaves up to 5 m
<b>MODEL</b>	<b>BINGO400</b>	<b>BINGO500</b>	<b>BINGO400-24V</b>	<b>BINGO500-24V</b>
<b>CODE</b>	<b>22B001</b>	<b>22B007</b>	<b>22B006</b>	<b>22B011</b>
Maximum leaf length (m)	3.5	5	3.5	5
Maximum leaf weight (Kg)	400	500	350	400
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc	24 Vdc
Idling current (A)	2	2	1.8	1.8
Full load current (A)	3.2	3.2	5	5
Maximum electric power (W)	480	480	-	-
Opening time of the leaf 0 ÷ 90° (s)	18	24	18	24
Maximum travel (mm)	365	485	365	485
Operating speed (m/s)	0.017	0.017	-	-
Maximum thrust (N)	1800	1800	1800	1800
Working temperature (°C)	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60
Protection degree (IP)	34	34	34	34
Duty cycle (%)	30	30	80	80
Motor weight (Kg)	11	12	11	12

## CONTROL UNITS TO BE USED

M  
24V



M  
230V



M  
230V



**CITY2+**

**Digital control unit for 24V motors**

**CITY1-EVO**

**Digital control unit for 230V motors**

**FLEXY2**

**Analogue control unit for 230V motors**

## ACCESSORIES



**ACC009**

Warning sign

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

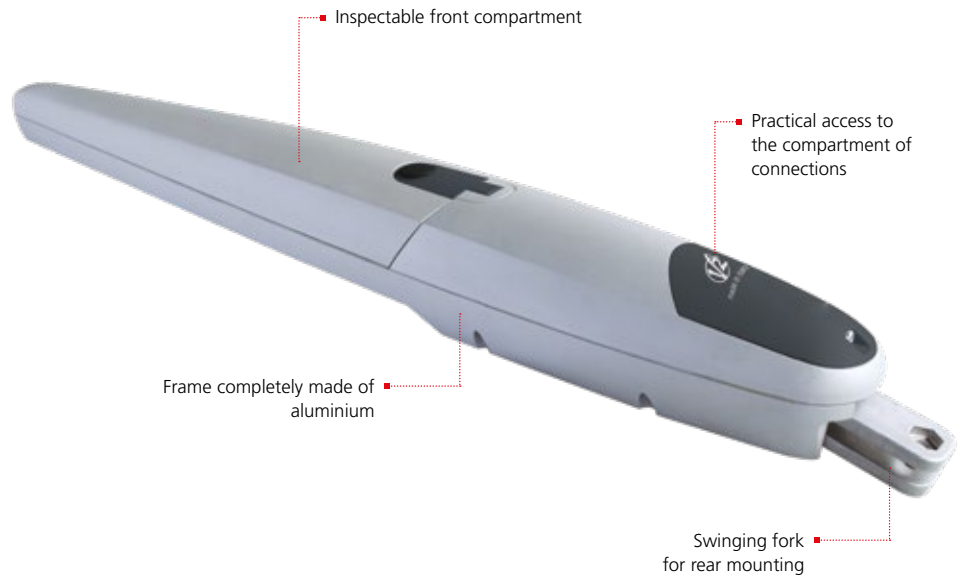


# STARK6

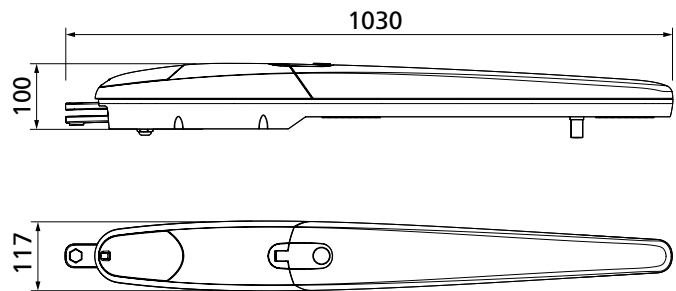
**Irreversible  
electromechanical  
actuator**

**for swing gates  
with leaves  
up to 6 m in length**

Available in two versions:  
**24V** and **230V**



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



## TECHNICAL FEATURES

Description	24V for leaves up to 6 m	230V for leaves up to 6 m
<b>MODEL</b>	<b>STARK6-24V</b>	<b>STARK6-230V</b>
<b>CODE</b>	<b>22K004</b>	<b>22K005</b>
Maximum leaf length (m)	6	6
Maximum leaf weight (Kg)	750	750
Power supply (Vac - Hz)	24 Vdc	230
Idling current (A)	0.8	1
Full load current (A)	7	1.2
Maximum electric power (W)	170	240
Opening time of the leaf 0 ÷ 90° (s)	28	25
Maximum travel (mm)	540	540
Operating speed (m/s)	0.016	0.016
Maximum thrust (N)	2400	2000
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	44	44
Duty cycle (%)	80	30
Motor weight (Kg)	9	10

## CONTROL UNITS TO BE USED

M  
24V



M  
230V



M  
230V



**CITY2+**

**Digital control unit for 24V motors**

**CITY1-EVO**

**Digital control unit for 230V motors**

**FLEXY2**

**Analogue control unit for 230V motors**

## ACCESSORIES



**ACC009**

Warning sign

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# CALYPSO

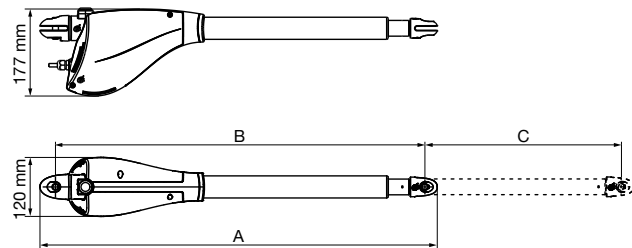
**230V irreversible electromechanical actuator**

**for swing gates with leaves up to 4 m in length**

Available in three versions: **400, 500 and 600 mm**



- Single version for both right and left leaves
- Practical release system
- 400 version for leaves up to 2.5 m
- 500 version for leaves up to 3 m
- 600 version for leaves up to 4 m



	CALYPSO 400	CALYPSO 500	CALYPSO 600
<b>A</b>	819	944	1044
<b>B</b>	762	887	987
<b>C</b>	400	500	600

## TECHNICAL FEATURES

Description	230V for leaves up to <b>2.5 m</b>	230V for leaves up to <b>3 m</b>	230V for leaves up to <b>4 m</b>
MODEL	CALYPSO 400	CALYPSO 500	CALYPSO 600
CODE	22G001	22G003	22G016
Maximum leaf length (m)	2.5	3	4
Maximum leaf weight (Kg)	400	500	500
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Idling current (A)	0.8	0.8	0.8
Full load current (A)	1.2	1.2	1.2
Maximum electric power (W)	250	250	250
Opening time of the leaf 0 ÷ 90° (s)	22	25	30
Maximum travel (mm)	400	500	600
Operating speed (m/s)	0.016	0.016	0.016
Maximum thrust (N)	2300	2300	2300
Working temperature (°C)	-30 ÷ +50	-30 ÷ +50	-30 ÷ +50
Protection degree (IP)	44	44	44
Duty cycle (%)	30	30	30
Motor weight (Kg)	6.5	6.8	7.1

## CONTROL UNITS TO BE USED

M  
230V



M  
230V

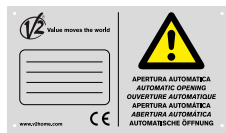


M  
230V



<b>CITY1-EVO</b> Digital control unit for <b>230V</b> motors	<b>FLEXY2</b> Analogue control unit for <b>230V</b> motors	<b>CITY11</b> Analogue control unit for <b>230V</b> motors Output for <b>12V</b> electrolock
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## ACCESSORIES



<b>162237</b> Kit of brackets to be screwed	<b>ACC009</b> Warning sign
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## CALYPSO KIT



Kit MODEL ▼	CONTROL UNIT	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light-E</b> CALYPSO-230V	CITY1-EVO	■ ■	■				<b>29D044</b>
<b>Kit Full-E</b> CALYPSO-230V	CITY1-EVO	■ ■	■	■	■	■	<b>29D045</b>
<b>Kit Light-A</b> CALYPSO-230V	FLEXY2	■ ■	■				<b>29D029</b>
<b>Kit Full-A</b> CALYPSO-230V	FLEXY2	■ ■	■	■	■	■	<b>29D030</b>

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

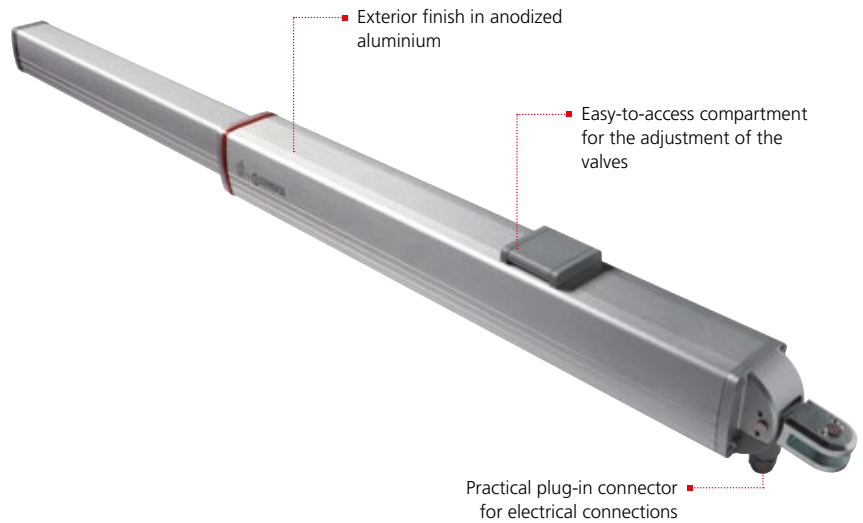
TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

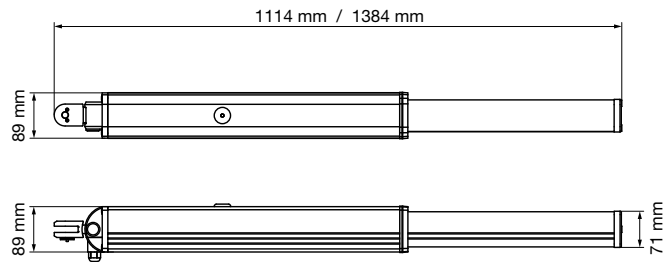
# URSUS

## 230V hydraulic actuator

for swing gates with leaves up to 6 m in length



- Ideal for intensive use
- Single version for right and left leaf
- Opening and closing lock
- Closure mechanic shock absorber
- Push and pull adjustment through adjustable valves



### TECHNICAL FEATURES

Description	230V irreversible leaves up to 4 m	230V irreversible leaves up to 6 m
<b>MODEL</b>	<b>URSUS-A33LB</b>	<b>URSUS-A43LB</b>
<b>CODE</b>	<b>22D015</b>	<b>22D016</b>
Maximum leaf length (m)	4	6
Maximum leaf weight (Kg)	700	700
Power supply (Vac - Hz)	230 - 50	230 - 50
Full load current (A)	1	1
Maximum electric power (W)	230	230
Opening time of the leaf 0 ÷ 90° (s)	22	33
Maximum travel (mm)	265	400
Operating speed (m/s)	0.01	0.01
Maximum thrust (N)	7000	7000
Working temperature (°C)	-30 ÷ +90	-30 ÷ +90
Protection degree (IP)	65	65
Duty cycle (%)	100	100
Motor weight (Kg)	9.5	11

## CONTROL UNITS TO BE USED

M  
230V



M  
230V



M  
230V



### CITY1-EVO

Digital control unit for 230V motors

### FLEXY2

Analogue control unit for 230V motors

### CITY11

Analogue control unit for 230V motors  
Output for 12V electrolock

## ACCESSORIES



### ACC009

Warning sign

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

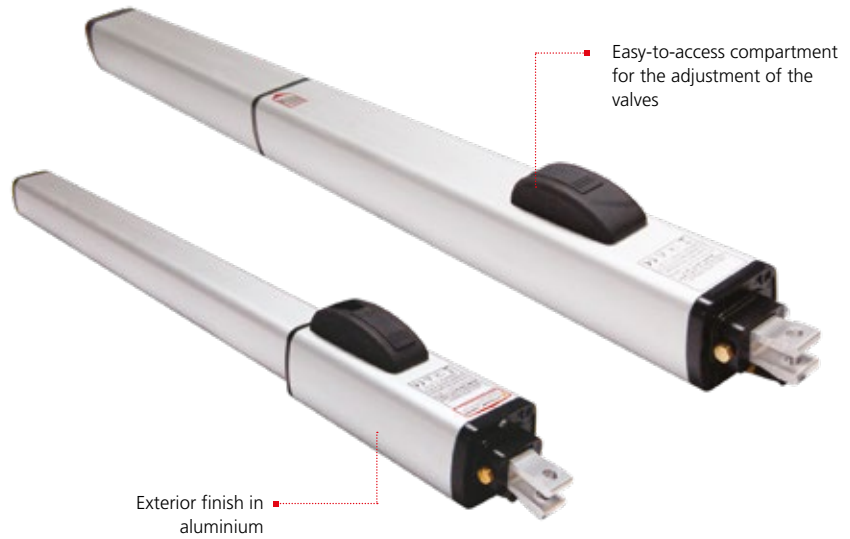
ELECTRONICS FOR  
TUBULAR MOTORS

# DRYS

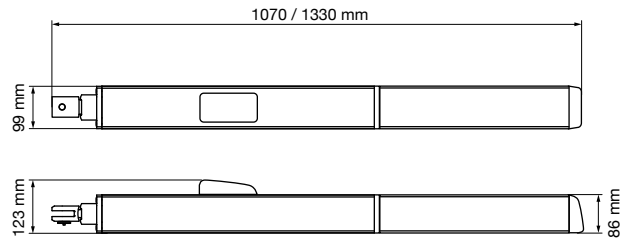
## 230V hydraulic actuator

### for swing gates with leaves up to 7 m in length

Available in two versions: **reversible** and **irreversible**



- Ideal for intensive use
- Single version for right and left leaf
- Reversible version and version with opening and closing lock
- Closure mechanic shock absorber (390 models)
- Push and pull adjustment through adjustable valves



## TECHNICAL FEATURES

Description	230V reversible for leaves up to 3 m	230V irreversible for leaves up to 1.8 m	230V reversible for leaves up to 7 m	230V irreversible for leaves up to 5 m
<b>MODEL</b>	<b>DRYS270-R</b>	<b>DRYS270-B</b>	<b>DRYS390-R</b>	<b>DRYS390-B</b>
<b>CODE</b>	<b>22D011</b>	<b>22D012</b>	<b>22D013</b>	<b>22D014</b>
Maximum leaf length (m)	3	1.8	7	5
Maximum leaf weight (Kg)	350	350	700	700
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Full load current (A)	1	1	1.9	1.9
Maximum electric power (W)	250	250	350	350
Opening time of the leaf 0 ÷ 90° (s)	20	20	30	30
Maximum travel (mm)	270	270	390	390
Operating speed (m/s)	0.013	0.013	0.013	0.013
Maximum thrust (N)	5500	5500	7800	7800
Working temperature (°C)	-25 ÷ +70	-25 ÷ +70	-25 ÷ +70	-25 ÷ +70
Protection degree (IP)	54	54	54	54
Duty cycle (%)	75	75	75	75
Motor weight (Kg)	8	8	10	10

## CONTROL UNITS TO BE USED

M  
230V



M  
230V



M  
230V



### CITY1-EVO

Digital control unit for 230V motors

### FLEXY2

Analogue control unit for 230V motors

### CITY11

Analogue control unit for 230V motors  
Output for 12V electrolock

## ACCESSORIES



### ACC009

Warning sign

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
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AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS



# ZORUS



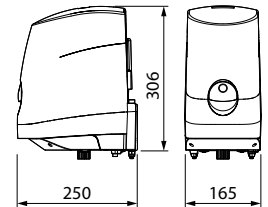
## 24V irreversible electromechanical pivoting arm actuator

### for swing gates with leaves up to 4.2 m in length



- Easy installation on pillars of medium / big dimensions
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using the 161237 backup battery
- Operation with solar power using the ECO-LOGIC system
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2

- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Energy Saving function to minimise consumption in stand-by mode
- Operational cycle counter. with programmable maintenance reminders
- ADI connector for connecting optional module









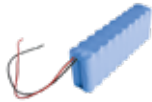





## TECHNICAL FEATURES

Description	24V motore SLAVE for leaves up to <b>2.8 m</b>	230V MASTER motor with control unit for leaves up to <b>2.8 m</b>	24V motore SLAVE for leaves up to <b>4.2 m</b>	230V MASTER motor with control unit for leaves up to <b>4.2 m</b>
<b>MODEL</b>	<b>ZORUS2-S</b>	<b>ZORUS2-M</b>	<b>ZORUS4-S</b>	<b>ZORUS4-M</b>
<b>CODE</b>	<b>22E010</b>	<b>22E011</b>	<b>22E012</b>	<b>22E013</b>
Maximum leaf length (m)	2.8	2.8	4.2	4.2
Maximum leaf weight (Kg)	300	300	500	500
Power supply (Vac - Hz)	24 Vdc	230 - 50	24 Vdc	230 - 50
Maximum electric power (2 motors) (W)	-	280	-	350
Speed (rpm)	1.5	1.5	1.5	1.5
Torque (Nm)	650	650	760	760
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Working cycle (cycles/hour)	80	80	80	80
Motor weight (kg)	7.5	7.5	7.5	7.5
Protection degree (IP)	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	7	7

NOTE: the single motors are not supplied with an articulated arm. The most suitable arm for the gate must be chosen from the list of accessories.

## ACCESSORIES

				
<b>162271</b> Articulated arm for leaves up to 1.8 m. Maximum distance between the rotation axis of the gate and the gearmotor reducer surface 200 mm	<b>162272</b> Articulated arm for leaves up to 4.2 m. Maximum distance between the rotation axis of the gate and the gearmotor reducer surface 350 mm	<b>162273</b> Sliding articulated arm for leaves up to 1.8 m. Left version	<b>162274</b> Sliding articulated arm for leaves up to 1.8 m. Right version	<b>162275</b> Articulated arm with joints (+/-8° rotation) for leaves up to 4.2 m.
				
<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>	<b>161225 ▪ V2KNX-01</b> ADI module to connect the control unit to the KNX network	<b>161237</b> Battery 24 V 1,6 Ah	<b>161238</b> Battery charger for 161237
				
<b>162219</b> External release kit with 4 m metallic wire	<b>ACC009</b> Warning sign			

## ZORUS KIT

						
Kit MODEL ▼	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> ZORUS2-24V	■ ■	■				<b>29E033</b>
<b>Kit Full</b> ZORUS2-24V	■ ■	■	■	■	■	<b>29E034</b>
<b>Kit Light</b> ZORUS4-24V	■ ■	■				<b>29E035</b>
<b>Kit Full</b> ZORUS4-24V	■ ■	■	■	■	■	<b>29E036</b>

NOTE: the ZORUS KITS contain the articulated arm model 162272

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
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ELECTRONICS FOR  
TUBULAR MOTORS

# BLITZ

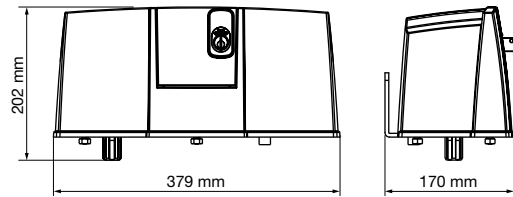
## Irreversible electromechanical pivoting arm

### for swing gates with leaves up to 3 m in length

Available in two versions:  
**24V** and **230V**



- Single version for both right and left leaves
- 24V version for intensive use
- Internal release lever
- Integrated double electric limit switch
- Internal start capacitor
- Possibility of external release



## TECHNICAL FEATURES

Description	24V for leaves up to 3 m	230V for leaves up to 3 m
<b>MODEL</b>	<b>BLITZ-24V</b>	<b>BLITZ-230V</b>
<b>CODE</b>	<b>22E002</b>	<b>22E001</b>
Maximum leaf length (m)	3	3
Maximum leaf weight (Kg)	800	800
Power supply (Vac - Hz)	24 Vdc	230 - 50
Full load current (A)	7.5	2.5
Maximum electric power (W)	-	575
Speed (Rpm)	1.4 - 0.5	1.6
Torque (Nm)	320	340
Working temperature (°C)	-30 ÷ +60	-30 ÷ +60
Protection degree (IP)	44	44
Duty cycle (%)	80	20
Motor weight (Kg)	14.6	14.6

## CONTROL UNITS TO BE USED



<b>CITY2+</b> Digital control unit for 24V motors	<b>CITY1-EVO</b> Digital control unit for 230V motors	<b>FLEXY2</b> Analogue control unit for 230V motors
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## ACCESSORIES



<b>162219</b> External release kit with 4 m metallic wire	<b>ACC009</b> Warning sign
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MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

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ELECTRONICS FOR TUBULAR MOTORS

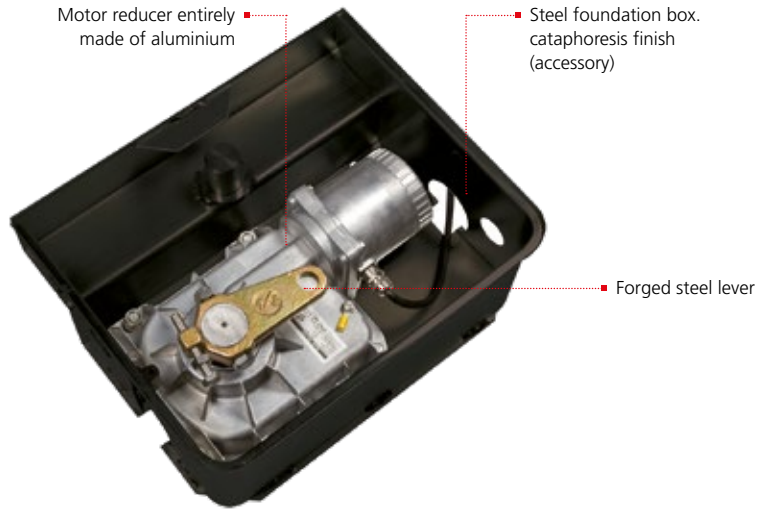


# VULCAN

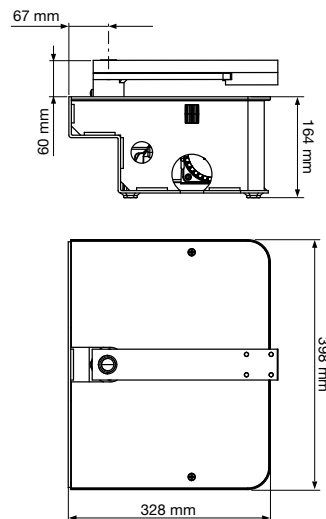
**Irreversible  
electromechanical  
motor reducer for  
underground  
installation**

**for swing gates  
with leaves  
up to 3.5 m in length**

Available in two versions:  
**24V** and **230V**



- Sealed motor reducer
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever (162218)
- 24V version with built-in encoder
- 7M version with 7-metre long power cable
- The special mounting holes allow Vulcan motors to be installed inside numerous existing models of foundation boxes
- Adjustable opening and closing mechanical stop



## TECHNICAL FEATURES

Description	24V for leaves up to 3.5 m (cable length 2 m)	230V for leaves up to 3.5 m (cable length 2 m)	230V for leaves up to 3.5 m (cable length 7 m)
<b>MODEL</b>	<b>VULCAN-24V</b>	<b>VULCAN-230V</b>	<b>VULCAN-230V-7M</b>
<b>CODE</b>	<b>22F005</b>	<b>22F003</b>	<b>22F008</b>
Maximum leaf length (m)	3.5	3.5	3.5
Maximum leaf weight (Kg)	600	800	800
Power supply (Vac - Hz)	24 Vdc	230 - 50	230 - 50
Full load current (A)	15	2.4	2.4
Maximum electric power (W)	-	550	550
Opening time of the leaf 0 ÷ 90° (s)	15 - 25	17	17
Maximum torque (Nm)	320	320	320
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	67	67	67
Duty cycle (%)	80	30	30
Motor weight (Kg)	11.5	11	11

## CONTROL UNITS TO BE USED



<b>CITY2+</b> Digital control unit for 24V motors	<b>CITY1-EVO</b> Digital control unit for 230V motors	<b>FLEXY2</b> Analogue control unit for 230V motors
--	--	--

## ACCESSORIES



<b>162233</b> Cataphoresis-finished steel foundation box with 110° opening and release levers	<b>162243</b> Stainless steel foundation box with 110° opening and release levers	<b>162218</b> Lever unit for opening >110° + release lever	<b>162215</b> Encoder Also available with 7m long cable (cod.162238)	<b>ACC009</b> Warning sign
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## VULCAN KIT



Kit MODEL ▼	CONTROL UNIT	PHOX2	MR2	SENSIVA-XS	LUMOS-M	ACC009	Kit CODE ▼
<b>Kit Light</b> VULCAN-24V	CITY2+	■ ■	■				29G011
<b>Kit Full</b> VULCAN-24V	CITY2+	■ ■	■	■	■	■	29G012
<b>Kit Light</b> VULCAN-230V	CITY1-EVO	■ ■	■				29G015
<b>Kit Full</b> VULCAN-230V	CITY1-EVO	■ ■	■	■	■	■	29G016

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
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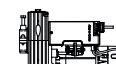
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**VEGA**



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**AGON**



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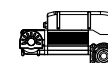
**ULK**



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**FM60**



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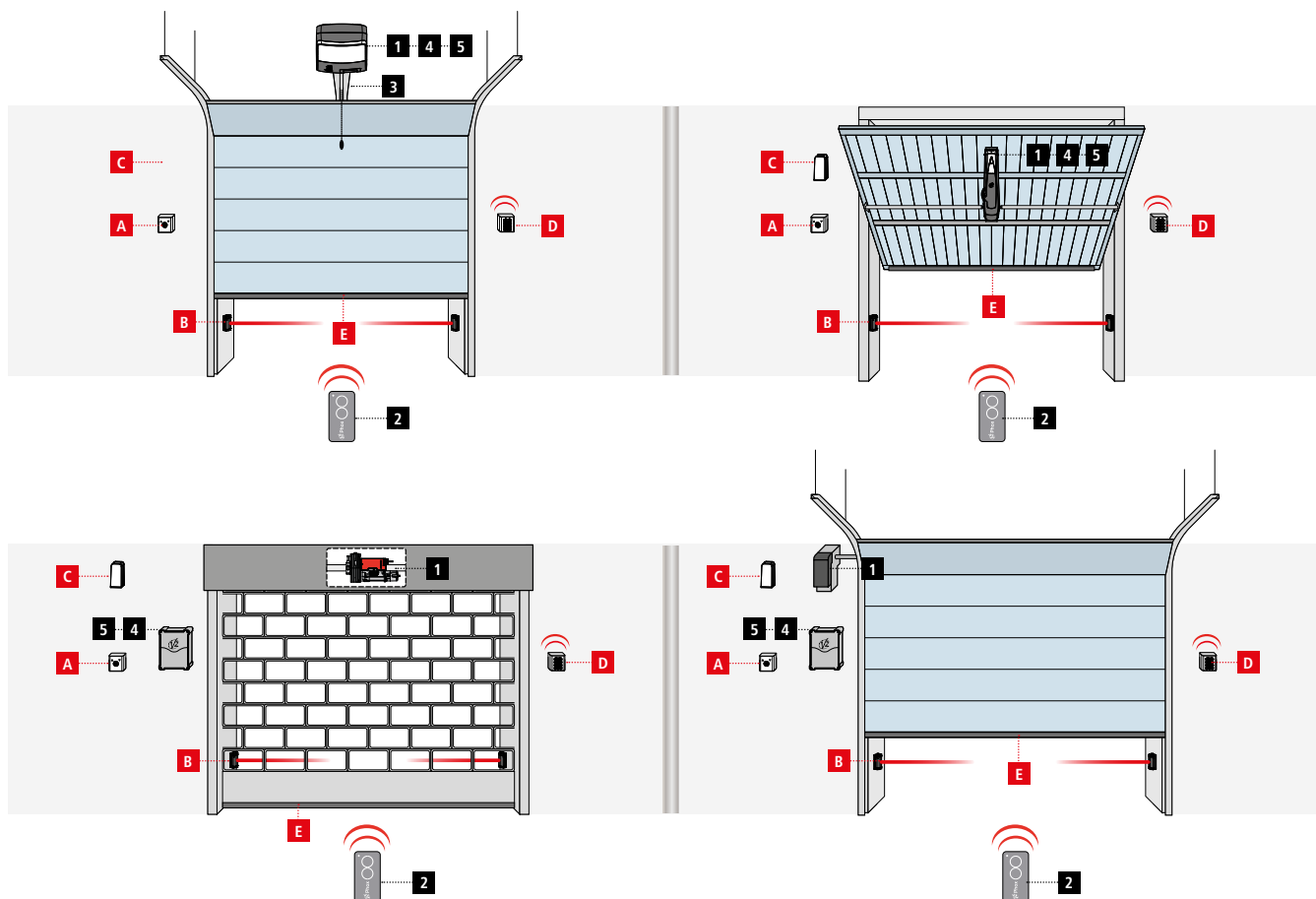
ELECTRONICS FOR  
TUBULAR MOTORS







# EXAMPLE SYSTEM



## COMPONENTS

- 1** Motor
- 2** Transmitter
- 3** Guide (chain / belt)
- 4** Control unit
- 5** Receiving module

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Photocells
- C** Flashing light
- D** Digital radio switch
- E** Safety edges

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Power supply (400V)	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Safety edges	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# AZIMUT



## 24V electromechanical irreversible actuator

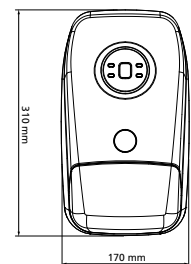
for sectional and balanced doors up to 8 m<sup>2</sup>

Maximum force **500 N**



- Accurate and safe operation with encoder
- Sound signalling during automatic closing
- External control keypad and led display for easy changing of the control unit functions
- Silent operation: chain conveying system on galvanized steel rail
- Programming via 4 buttons and display
- Input for photocells
- Input for an external start button
- Input for an external stop button
- Output for flashing light 24V with intermittence

- 433.92 MHz built-in receiver allowing the use of Personal Pass series transmitters
- Possibility to store up to 15 transmitters
- Self-learning of times, slow-downs and forces both in opening and closing phase
- Amperometric sensor obstacle detection function



### TECHNICAL FEATURES

Description	24V maximum force <b>500N</b>
<b>MODEL</b>	<b>AZIMUT</b>
<b>CODE</b>	<b>25B005</b>
Power supply (Vac - Hz)	230 - 50
Maximum electric power (W)	100
Door area (m <sup>2</sup> )	< 8
Start force (N)	500
Average speed (cm/s)	11
Working temperature (°C)	-20 ÷ +40
Duty cycle (%)	30
Protection degree (IP)	20
Motor weight (Kg)	10

## PRE-ASSEMBLED CHAIN GUIDE



CODE	LENGTH	MAXIMUM DOOR HEIGHT	
		Sectional or spring balanced door	Counterweight balanced door
<b>163202</b>	3 m (2 x 1.5 m)	2240 mm	2450 mm
<b>163204</b>	3.3 m (2 x 1.65 m)	2540 mm	2800 mm
<b>163205</b>	3.6 m (2 x 1.8 m)	2840 mm	3100 mm
<b>163201</b>	3 m (1 x 3 m)	2240 mm	2450 mm

## ACCESSORIES



162504	163203	162537
Adaptor bracket for counterweight balanced doors	Additional fixing support	External release kit with key

## AZIMUT KIT



Kit MODEL ▼	163204 (2 x 1,65 m)	163201 (1 x 3 m)	PHOX2	Kit CODE ▼
Kit AZIMUT 1		■	■ ■	32B011
Kit AZIMUT 2	■		■ ■	32B012

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
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SHUTTERS

MOTORS FOR  
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AND ACCESSORIES

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ELECTRONICS FOR  
TUBULAR MOTORS



# ATRIS



## 24V electromechanical irreversible actuator

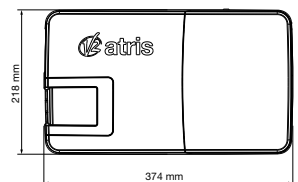
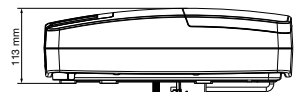
### for sectional and balanced doors up to 15 m<sup>2</sup>

Available in two versions:  
**700 N** and **1000 N**



- Accurate and safe operation with encoder
- Sound signalling during automatic closing
- Control panel with keypad and LCD display
- Compartment of connections protected by a lid
- Minimum consumption in stand-by (<0,5 W)
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system
- Programming via 4 buttons and display
- Quick menu for easy programming of the device
- Plug-in adaptor for modular radio receiver MR2

- Input for photocells or safety edges
- Input for an external start button
- Input for an external stop button
- Output for flashing light 24V with intermittence
- Self-learning of times, slow-downs and forces both in opening and closing phase
- Obstacle detection function
- ADI connector for connecting optional modules



## TECHNICAL FEATURES

Description	24V maximum force <b>700N</b>	24V maximum force <b>1000N</b>	24V maximum force <b>1000N</b> <b>(FAST motor)</b>
<b>MODEL</b>	<b>ATRIS-700</b>	<b>ATRIS-1000</b>	<b>ATRIS-1000-F</b>
<b>CODE</b>	<b>25C015</b>	<b>25C016</b>	<b>25C021</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	100	160	160
Consumption in stand-by (W)	< 0.5	< 0.5	< 0.5
Door area (m <sup>2</sup> )	< 10	< 15	< 14
Start force (N)	700	1000	1000
Maximum speed (cm/s)	12	12	20
Working temperature (°C)	-20 ÷ +40	-20 ÷ +40	-20 ÷ +40
Duty cycle (%)	30	30	30
Protection degree (IP)	20	20	20
Motor weight (Kg)	12	12	12

## ACCESSORIES



### 11B047 ▪ MR2

433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)

### 161221 ▪ BT01

ADI module for managing the control unit via Bluetooth and **V2app**

### 161225 ▪ V2KNX-01

ADI module to connect the control unit to the KNX network

### 161217 ▪ LUX2+

ADI module for the management of lights, traffic light or electro-brake

### 161212 ▪ B-PACK

Backup battery with built-in charger



### 162504

Adaptor bracket for counterweight balanced doors



### 162537

External release kit with key

## PRE-ASSEMBLED GUIDE



CODE	TYPE	LENGTH	MAXIMUM DOOR HEIGHT	
			Sectional or spring balanced door	Counterweight balanced door
162519	chain	3 m (1 x 3 m)	2200 mm	2500 mm
162520	chain	3,3 m (1 x 3,3 m)	2500 mm	2800 mm
162528	chain	3,3 m (2 x 1,65 m)	2500 mm	2800 mm
162522	chain	3,8 m (1 x 3,8 m)	3000 mm	3300 mm
162531	belt	3,3 m (1 x 3,3 m)	2500 mm	2800 mm
162534	belt	3,3 m (2 x 1,65 m)	2500 mm	2800 mm
162535	belt	3,8 m (1 x 3,8 m)	3000 mm	3300 mm

## ATRIS KIT



Kit MODEL ▼	PHOX2	MR2	Kit CODE ▼
Kit ATRIS-700-433	■ ■	■	32B042
Kit ATRIS-700-868	■ ■	■	32B043
Kit ATRIS-1000-433	■ ■	■	32B044
Kit ATRIS-1000-868	■ ■	■	32B045

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# VEGA



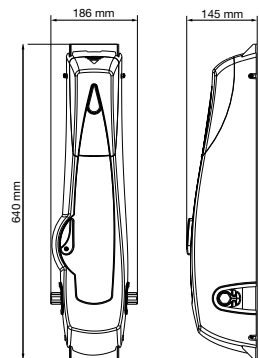
## 230V electromechanical irreversible actuator

for balanced doors  
up to 9 m<sup>2</sup>



- Compact form and strong mechanics to guarantee optimal performance with all types of balanced doors
- Obstacle detection
- Self-learning of opening and closing times
- Built-in courtesy light
- Adjustable cams to be set as a limit switch or slowing down start
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 1 photocell input with self-test function
- 1 input for mechanical or resistive sensitive safety edges

- Output for 24V flashing light or warning light
- Courtesy light output
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slowing down in the limit switch area
- Soft start during the opening phase (programmable time)

















### TECHNICAL FEATURES










Description	230V digital control unit	230V without control unit
<b>MODEL</b>	<b>VEGA-C 230V</b>	<b>VEGA-230V</b>
<b>CODE</b>	<b>24A005</b>	<b>24A002</b>
Power supply (Vac - Hz)	230 - 50	230 - 50
Door area (m <sup>2</sup> )	9	14*
Full load current (A)	2.5	2.5
Maximum electric power (W)	575	575
Nominal speed of the motor (Rpm)	1.6	1.6
Capacitor (µF)	8	8
Working temperature (°C)	-20 ÷ +50	-20 ÷ +50
Duty cycle (%)	30	30
Protection degree (IP)	20	20
Motor weight (Kg)	9	9
Maximum accessory load 24V (W)	3	-

\* Installation with 2 motors in combination with VEGA-C 230V

## ACCESSORIES

					
<b>162401</b>	<b>162407</b>	<b>162408</b>	<b>162409</b>	<b>162415</b>	<b>162410</b>
Straight telescopic arm with iron rod	Curved telescopic arm	Straight telescopic arm with sleeve	Pair of curved telescopic arms with sleeve	Pair of curved telescopic arms with iron rod	Pair of transmission shafts with sleeves, 1.5 m in length
					
<b>162411</b>	<b>162404</b>	<b>162405</b>	<b>162406</b>	<b>162414</b>	<b>162402</b>
Pair of transmission shafts with sleeves, 2 m in length	Pair of sleeves	Kit for anchoring to the structure	Pair of tube guide brackets with bushes	1.2 m long anchoring backstay	1.8 m long anchoring backstay
					
<b>162403</b>	<b>11B047 • MR2</b>				
External release kit with metal wire	433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)				

## VEGA KIT

									
Kit MODEL ▼	VEGA-C 230V	PHOX2	MR2	162415	162411	162402	162405	162406	Kit CODE ▼
Kit VEGA 1	■	■ ■	■						32C007
Kit VEGA 2				■	■	■	■	■	32C002

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



# AGON

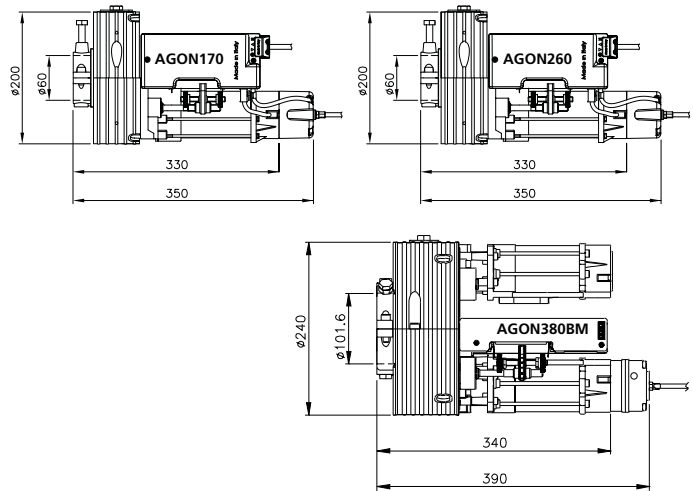
**230V irreversible  
electromechanical  
actuator**

**for shutters weighing  
170 to 380 Kg**

Available in two versions:  
**with or without electro-brake**



- Wires protected by special plastic container
- External limit switch unit easily accessible
- Pre-wired condenser
- Simple, intuitive limit switch adjustment
- Shaft adapter Ø 48 and crown Ø 220 included (170-260 models)
- Shaft adapter Ø 76 included (models 380)



## TECHNICAL FEATURES

Description	170 Kg	170 Kg electro-brake	260 Kg	260 Kg electro-brake	380 Kg	380 Kg electro-brake
<b>MODEL</b>	<b>AGON170</b>	<b>AGON170-FR</b>	<b>AGON260</b>	<b>AGON260-FR</b>	<b>AGON380</b>	<b>AGON380-FR</b>
<b>CODE</b>	<b>26A021</b>	<b>26A022</b>	<b>26A023</b>	<b>26A024</b>	<b>26B024</b>	<b>26B025</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Absorbed current (A)	2.7	2.7	2.9	2.9	5.8	5.8
Maximum electric power (W)	630	630	670	670	1330	1330
Lifting power (Kg)	170	170	260	260	380	380
Torque (Nm)	170	170	260	260	450	430
Motor crown speed (rpm)	10	10	10	10	8	8
Rolling shutter shaft Ø (B) (mm)	60/48	60/48	60/48	60/48	101/76	101/76
Motor crown Ø (A) (mm)	200/220	200/220	200/220	200/220	240	240
Motor weight (Kg)	7	8	8	9	17	18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Shutter maximum height (m)	7	7	7	7	7	7

## CONTROL UNITS TO BE USED



EASY-TOP	EASY-BASIC
Digital control unit for 230V motors	Analogue control unit for 230V motors

## ACCESSORIES



162645	162646	162647
Wall-mounted aluminum key selector with electro-brake release	Aluminum key selector with control button and electro-brake release lever	Aluminum key selector with tubular lock, control button and electro-brake release



162633	162634	162635	162636
Electro-brake for AGON170 motors	Electro-brake for AGON260 and AGON380 motors	Ø 33 axle adapter for AGON170 and AGON260 motors	Ø 42 axle adapter for AGON170 and AGON260 motors



162650	162649
Ø 76 axle adapter for AGON380 motors	Ø 90 axle adapter for AGON380 motors

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

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ELECTRONICS FOR TUBULAR MOTORS



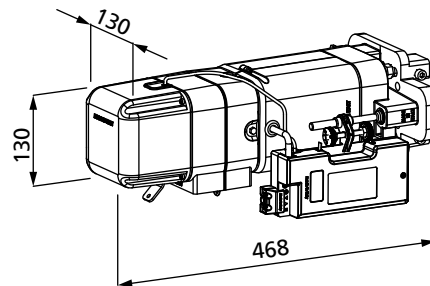
**230V side gear motor**

**For shutters without compensating springs up to 600 Kg of weight**

Available in two versions:  
**50 Hz and 60 Hz**



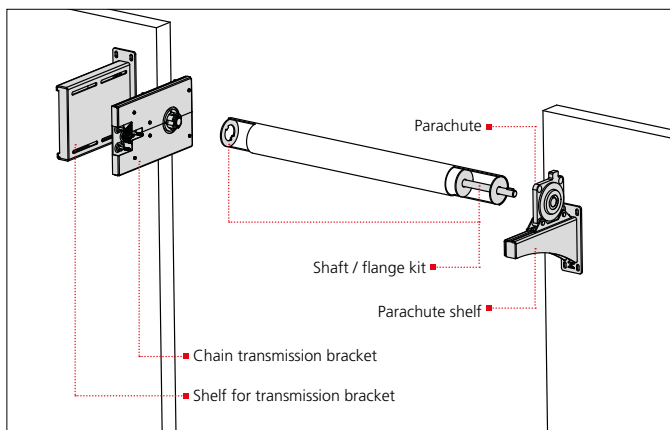
- Wires protected by special plastic container
- External limit switch unit easily accessible
- Simple, intuitive limit switch adjustment
- Practical chain release for manually operating the door in the event of a power failure



**TECHNICAL FEATURES**

Description	230V - 50Hz shutters up to 600 Kg	230V - 60Hz shutters up to 600 Kg
<b>MODEL</b>	<b>ULK600-50HZ</b>	<b>ULK600-60HZ</b>
<b>CODE</b>	<b>26C006</b>	<b>26C007</b>
Power supply (Vac - Hz)	230 - 50	230 - 60
Maximum electric power (W)	600	600
Lifting power (Kg)	600	600
Torque (Nm)	412	412
Speed (rpm)	4.6 (162637) / 9.3 (162648)	4.6 (162637) / 9.3 (162648)
Limit (min)	6	6
Thermal time (min)	5	5
Motor weight (Kg)	13.4	13.4
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Chain type	10A	10A
Max diameter door (m)	0.44	0.44
Protection degree (IP)	30	30

## TYPICAL INSTALLATION



## CONTROL UNITS TO BE USED



### EASY-TOP

Digital control unit for 230V motors

### EASY-BASIC

Analogue control unit for 230V motors

## ACCESSORIES



**162637**

Chain transmission bracket (4,6 rpm)



**162648**

Chain transmission bracket (9,3 rpm)



**162638**

Shelf for transmission bracket



**162642**

Parachute Ø 40



**162643**

Parachute shelf



**162644**

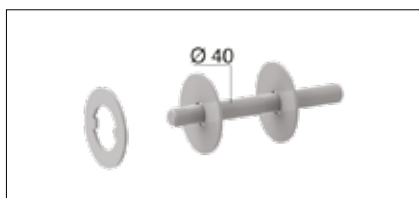
Bearing Ø 40



**162654**

Wall-mounted key selector (plastic container)

## MOUNTING ACCESSORIES FOR THE TRANSMISSION BRACKET



### SHAFT / FLANGE KIT EUROPEAN MEASURES IN mm

CODE	TYPE
<b>162639</b>	Ø 101.1 x 2
<b>162640</b>	Ø 133 x 4
<b>162641</b>	Ø 159 x 4.5

### SHAFT / FLANGE KIT ENGLISH MEASURES (inches)

CODE	TYPE
<b>162651</b>	Ø 4 inch
<b>162652</b>	Ø 5 inch
<b>162653</b>	Ø 6 inch

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
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ELECTRONICS FOR  
TUBULAR MOTORS

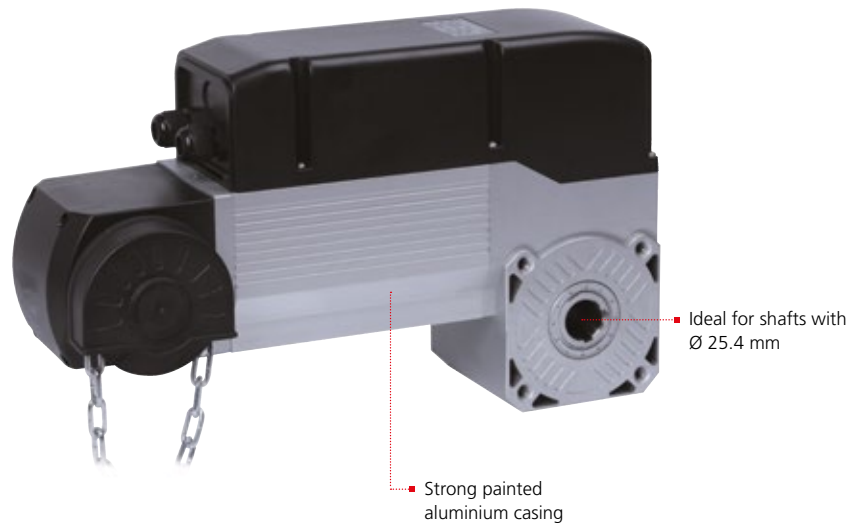


# FM60

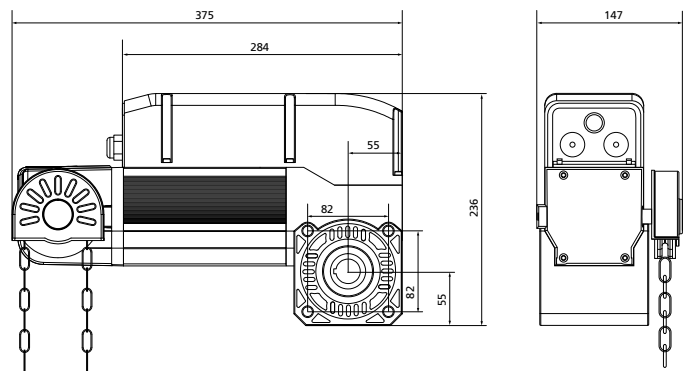
## Electromechanic gearmotor

### for industrial sectional doors up to 20 m<sup>2</sup>

Available in two versions:  
**230V** and **400V**



- Easy installation: to be directly installed on sectional door frame with reduced overall dimensions to make installation easier in any position
- Easy to use: thanks to the chain for door manual activation in case of black-out
- Reliable and precise: micrometric adjustment of opening and closing limit stops
- Aluminium reducer with oil-bath lubricated gears (bronze wheel)
- Motor in aluminium with cooling fins



## TECHNICAL FEATURES

Description	230V for sectional doors up to 20 m <sup>2</sup>	400V for sectional doors up to 20 m <sup>2</sup>
<b>MODEL</b>	<b>FM60M</b>	<b>FM60T</b>
<b>CODE</b>	<b>25C018</b>	<b>25C019</b>
Power supply (Vac - Hz)	230 - 50	400 - 50
Door area (m <sup>2</sup> )	< 20	< 20
Absorbed power (W)	500	350
Torque (Nm)	60	60
Shaft diameter (mm)	25.4	25.4
Average speed (rpm)	24	24
Duty cycle (%)	20%	20%
Working temperature (°C)	-20 ÷ +45	-20 ÷ +45
Protection degree (IP)	54	54

## CONTROL UNITS TO BE USED

M  
230V



M  
400V



### CITY4-EVO

Digital control unit for 230V motors

### HEAVY2

Digital control unit for THREEPHASE 400V motors

## ACCESSORIES



### 162533

3 push button keypad

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
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ELECTRONICS FOR  
TUBULAR MOTORS





 niuba

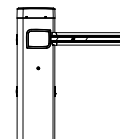
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TUBULAR MOTORS



# NIUBA



## Rapid opening automatic raise arm barrier

## for residential and multiple use installations up to 6 m width

Available in two versions: **24V** and **230V**

- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Slow-down in the limit switch area
- Synchronized operation of two motors using the SYNCRO module
- Balancing spring included
- Anodized aluminium boom (accessory)
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- ADI connector for connecting optional modules

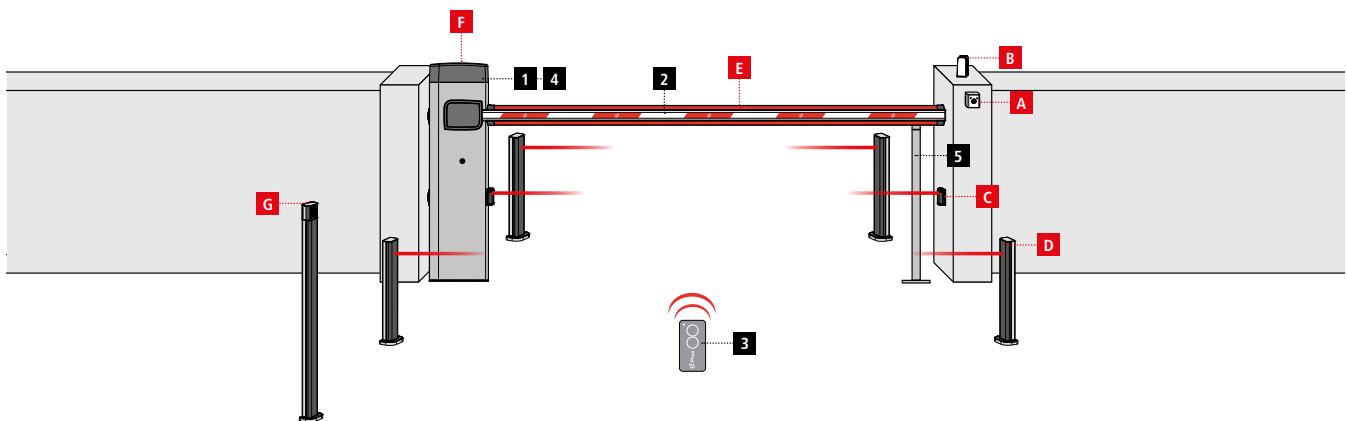
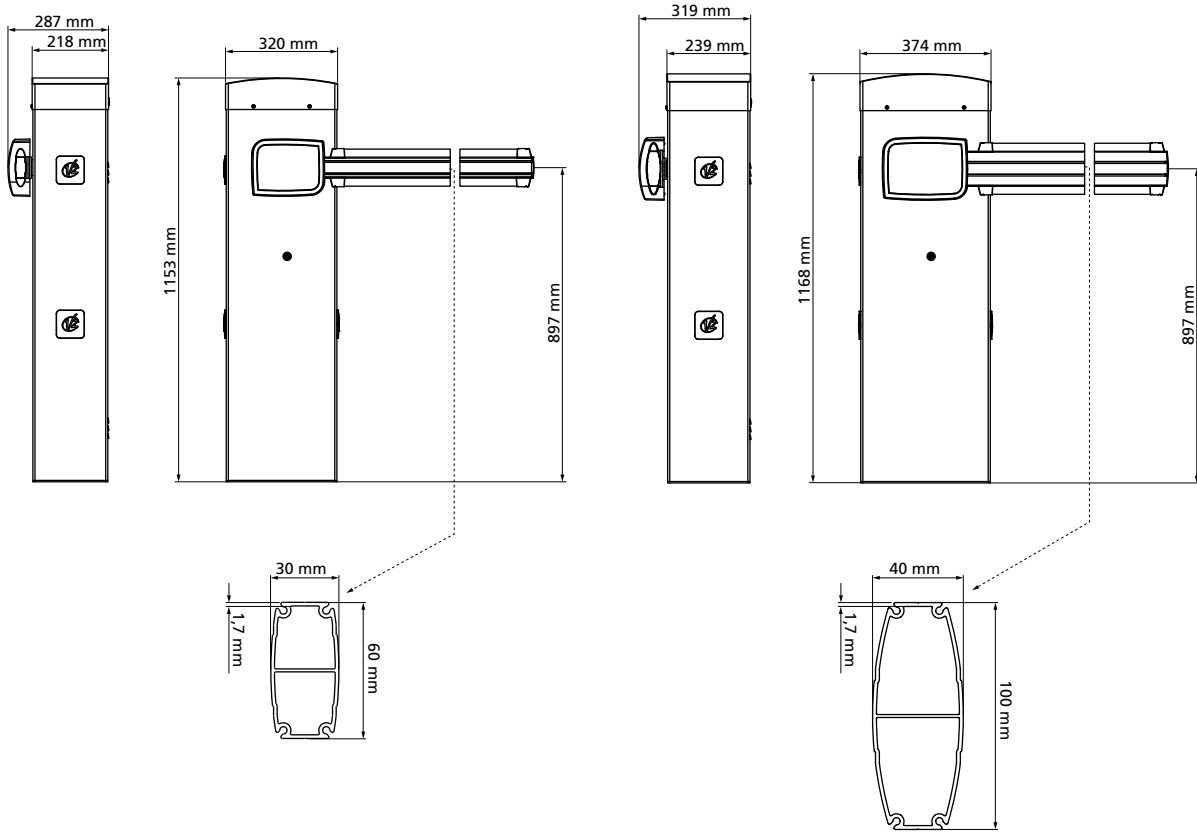
### 24V versions

- Holding magnet output
- Energy Saving function to minimise consumption in stand-by mode
- Programmable acceleration and deceleration
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system



## TECHNICAL FEATURES

Description	24V for booms up to 4 m	24V for booms up to 6 m	230V for booms up to 4 m	230V for booms up to 6 m
<b>MODEL</b>	<b>NIUBA4-24V</b>	<b>NIUBA6-24V</b>	<b>NIUBA4-230V</b>	<b>NIUBA6-230V</b>
<b>CODE</b>	<b>36A022</b>	<b>36A023</b>	<b>36A024</b>	<b>36A025</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Motor power supply (Vac - Hz)	24 Vdc	24 Vdc	230 - 50	230 - 50
Maximum electric power (W)	240	300	300	350
Opening time (s)	3 ÷ 4	5 ÷ 6	6	8
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Duty cycle % - (max. cycles/hour)	80 - (200)	80 - (150)	30 - (90)	30 - (90)
Protection degree (IP)	44	44	44	44
Motor weight (Kg)	44	52	44	52



## COMPONENTS

- 1** Motor
- 2** Boom
- 3** Transmitter
- 4** Receiving module
- 5** End support post

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Flashing light
- C** Photocells
- D** Pillar photocells
- E** Lights kit (boom)
- F** Lights kit (barrier)
- G** Pillar-mounted digital radio switch

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
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TUBULAR MOTORS

## ACCESSORIES FOR 4 m BARRIERS



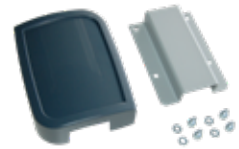
**163614**  
4.22 m square aluminium boom



**163628**  
4.22 m square aluminium boom with pre-assembled protective rubber



**163617**  
4.22 m round (Ø 60) aluminium boom



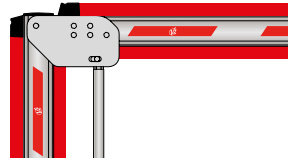
**173630**  
Fixing kit for square boom



**163619**  
Fixing kit for Ø 60 round boom



**173608**  
Anchor plate

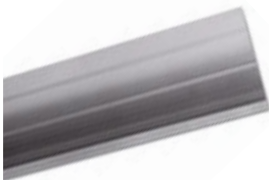


**163616**  
Joint for square boom

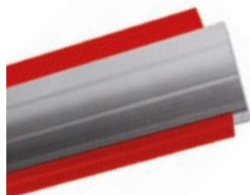


**163630**  
Cover with integrated flashing light

## ACCESSORIES FOR 6 m BARRIERS



**163613**  
6.28 m square aluminium boom



**163627**  
6.28 m square aluminium boom with pre-assembled protective rubber



**163632**  
6.28 m square aluminium boom divided into 2 sections with connecting elements



**163623**  
6.28 m round (Ø 90) aluminium boom



**173629**  
Fixing kit for square boom



**163610**  
Fixing kit for Ø 90 round boom

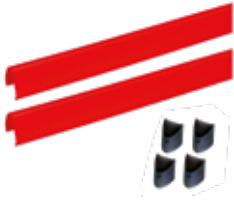












**173621**  
Anchor plate



**163631**  
Cover with integrated flashing light

## COMMON ACCESSORIES

			
<b>163629</b> Protective rubber kit (6m x 2)	<b>163618</b> Aluminium shelf (2 m)	<b>163604</b> Movable end support post	<b>163605</b> End support post
			
<b>163622</b> Reflective adhesive strips (24 pieces)	<b>163615</b> Lights kit consisting of 6 modules and wirings	<b>161212 ▪ B-PACK</b> Backup battery with built-in charger	
			
<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>	<b>161225 ▪ V2KNX-01</b> ADI module to connect the control unit to the KNX network	<b>161216 ▪ SYNCRO</b> ADI modules for synchronized operation of two motors

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

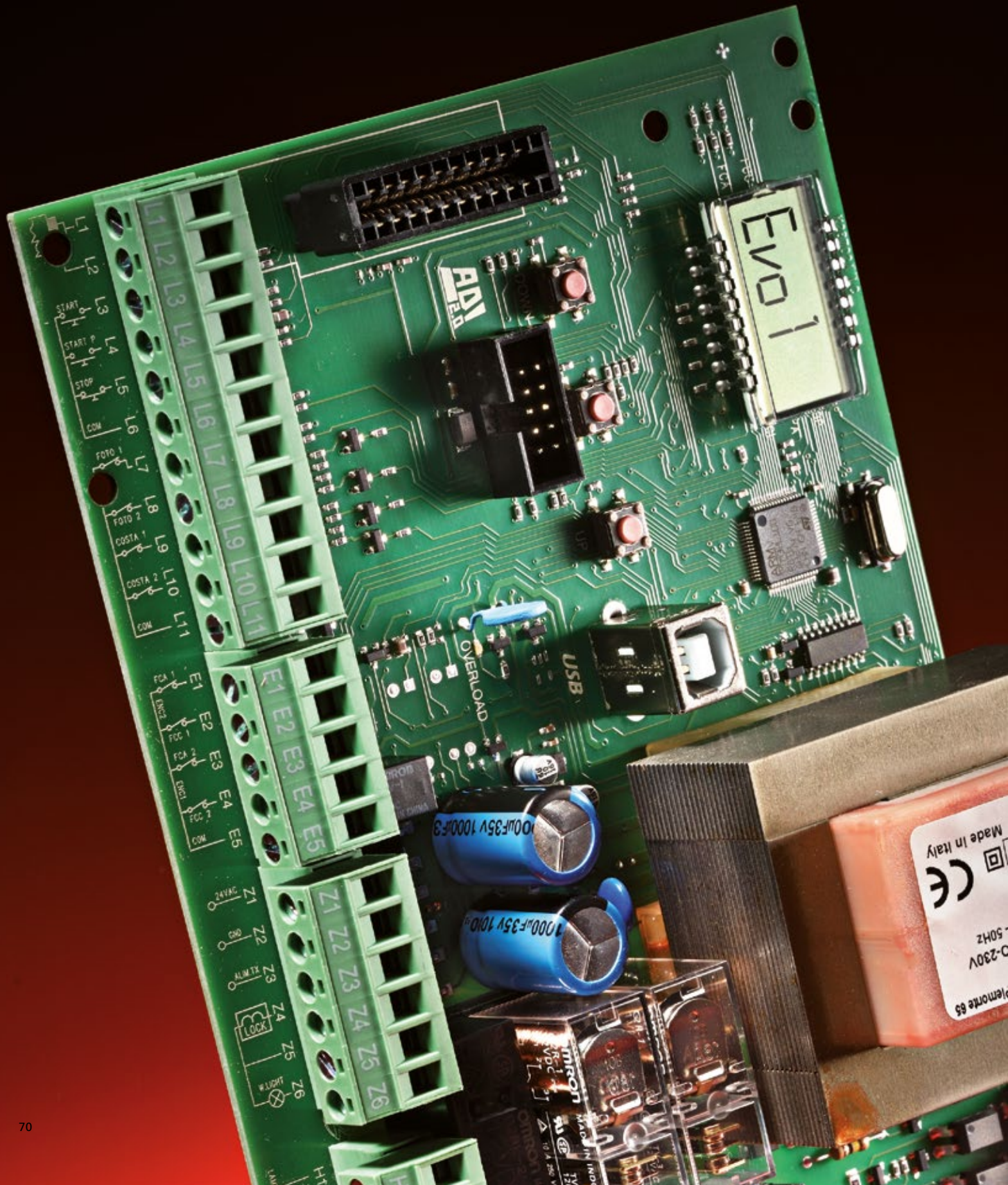
SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS









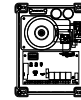
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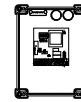
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ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# CITY1-EVO



## Control unit

for swing and sliding gates

### 230V digital



- Programming achieved using 3 program buttons and display
- Power supply for 2 single-phase 230V motors
- Allows control of the motors equipped with an ENCODER
- USB plug to connect the control unit to a PC and manage control unit programming, firmware updates and diagnostics via software
- Connector for LOW ENERGY module that enables achieving important energy savings (<0.5 W)
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Safety device test before any opening
- 230V flashing light output (use flashing lights with intermittence)
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Soft start in fase di apertura e rallentamento in fase di chiusura (tempo programmabile)
- Monitoring of input status using the display
- Also available in CITY1-EVO-PB version, housed in an industrial box, equipped with safety disconnecting switch

## ACCESSORIES

	<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver module. Also available in 868.30 MHz version (code 11B048)
	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>
	<b>161225 ▪ V2KNX-01</b> ADI module for radio control of the safety devices through WES sensors
	<b>35B026 ▪ WES-ADI</b> ADI module for radio control of the safety devices through WES sensors
	<b>161217 ▪ LUX2+</b> ADI module for the management of lights, traffic light or electro-brake
	<b>161218</b> LOW ENERGY module for saving electricity

## TECHNICAL FEATURES

Description	230V for 230V motors	230V for 230V motors (industrial box)
<b>MODEL</b>	<b>CITY1-EVO</b>	<b>CITY1-EVO-PB</b>
<b>CODE</b>	<b>12G041</b>	<b>12G048</b>
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum motor load (W)	2 x 700	2 x 700
Maximum 24V accessories load (W)	10	10
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	400 x 300 x 165
Weight (g)	1600	4000
Protection degree (IP)	55	55

# CITY2+



## Control unit

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

### 230V digital



- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- Emergency pack battery input
- Encoder input
- Low voltage output for warning light or 24V flashing light
- Safety device test before any opening
- Amperometric sensor obstacle detection function with programmable threshold
- Operational cycle counter, with programmable maintenance reminders
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status using the display
- Energy Saving function to minimise consumption in standby mode
- Version with switching power supply CITY2 + L
- Also available as CITY2+BC version configured to work with the ECO-LOGIC system (this version has no transformer or power supply card)

## ACCESSORIES



### 11B047 • MR2

433.92 MHz plug-in receiver module. Also available in 868.30 MHz version (code 11B048)



### 161221 • BT01

ADI module for managing the control unit via Bluetooth and **V2app**



### 161225 • V2KNX-01

ADI module for radio control of the safety devices through WES sensors



### 35B026 • WES-ADI

ADI module for radio control of the safety devices through WES sensors



### 161217 • LUX2+

ADI module for the management of lights, traffic light or electro-brake



### 161212 • B-PACK

Backup battery with built-in charger

## TECHNICAL FEATURES

Description	230V for 24V motors (2 x 150W)	230V for 24V motors (2 x 100W)	24Vdc for 24V motors (2 x 150W)
<b>MODEL</b>	<b>CITY2+</b>	<b>CITY2+L</b>	<b>CITY2+BC</b>
<b>CODE</b>	<b>12A042</b>	<b>12A037</b>	<b>12A030</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc
Maximum total load (W)	250	200	250
Maximum load for each motor (W)	150	100	150
Maximum 24V accessories load (W)	7	7	7
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	295 x 230 x 100	295 x 230 x 100
Weight (g)	3000	1200	1000
Protection degree (IP)	55	55	55

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# CITY4-EVO



## Control unit

for swing gates (single leaf) and sliding gates

### 230V digital



- Programming achieved using 3 program buttons and display
- 230V power supply for 1 single-phase motor
- Allows control of the motors equipped with an ENCODER
- USB plug to connect the control unit to a PC and manage control unit programming, firmware updates and diagnostics via software
- Connector for LOW ENERGY module that enables achieving important energy savings (<0.5 W)
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminder
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Slow start function during opening (programmable time)
- Monitoring of input status using the display

## ACCESSORIES

	<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver module. Also available in 868.30 MHz version (code 11B048)
	<b>161221 ▪ BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>
	<b>161225 ▪ V2KNX-01</b> ADI module for radio control of the safety devices through WES sensors
	<b>35B026 ▪ WES-ADI</b> ADI module for radio control of the safety devices through WES sensors
	<b>161217 ▪ LUX2+</b> ADI module for the management of lights, traffic light or electro-brake
	<b>161218</b> LOW ENERGY module for saving electricity

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>CITY4-EVO</b>
<b>CODE</b>	<b>12G044</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100
Weight (g)	1600
Protection degree (IP)	55

# CITY9



## Control unit

for sliding gates

**230V analogue**



- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Courtesy light output (also controllable by transmitter)
- Slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

### ACCESSORIES



**11B047 • MR2**

433.92 MHz plug-in receiver module.  
Also available in 868.30 MHz version  
(code 11B048)

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>CITY9</b>
<b>CODE</b>	<b>12B021</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS



# CITY11



## Control unit

for swing gates

**230V analogue**  
with **12V electrolock output**



- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Electrolock output 12V
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

## ACCESSORIES



### 11B047 ▪ MR2

433.92 MHz plug-in receiver module.  
Also available in 868.30 MHz version  
(code 11B048)

## TECHNICAL FEATURES

Description	230V for 230V motors
<b>MODEL</b>	<b>CITY11</b>
<b>CODE</b>	<b>12A033</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	1200
Protection degree (IP)	55

# FLEXY2



## Control unit

for swing and sliding gates

**230V analogue**  
with **built-in receiver**  
**(433.92 MHz)**



- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Built-in receiver (433,92 MHz)
- Possibility to store up to 240 Personal Pass transmitter
- RJ45 connector to connect the control unit to the programmer PROG2 via standard network cable (UTP)
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	230V for 230V motors
<b>MODEL</b>	<b>FLEXY2+</b>
<b>CODE</b>	<b>12G035</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
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TRANSMITTERS  
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AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

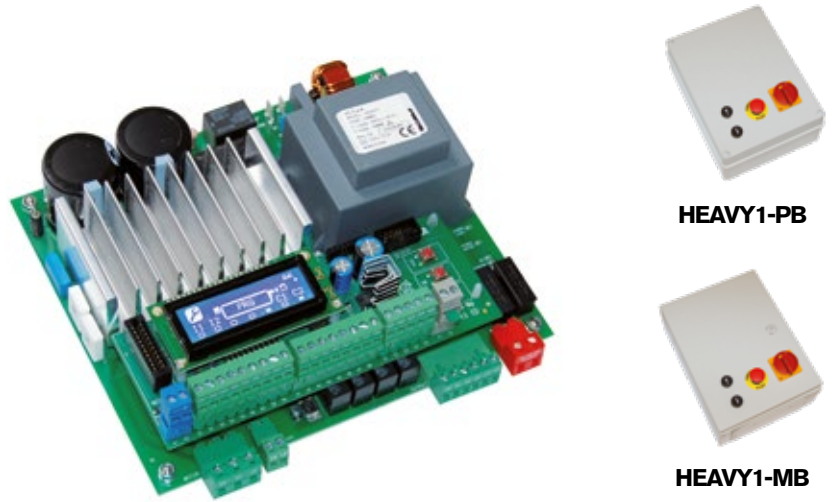
# HEAVY1



## Control unit

for **230V** three-phase motors

**230V digital** with **INVERTER**



- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1x230V three-phase motor (delta connection)
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Three relay outputs programmable as lights, electrolock, warning light, electrobrake or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light)
- Test of safety devices before each opening
- Precise adjustment of strength and speed during regular stroke and during slowdowns
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

## ACCESSORIES

	<b>11B047</b> ▪ <b>MR2</b> 433.92 MHz plug-in receiver module. Also available in 868.30 MHz version (code 11B048)
	<b>161221</b> ▪ <b>BT01</b> ADI module for managing the control unit via Bluetooth and <b>V2app</b>
	<b>161225</b> ▪ <b>V2KNX-01</b> ADI module for radio control of the safety devices through WES sensors
	<b>35B026</b> ▪ <b>WES-ADI</b> ADI module for radio control of the safety devices through WES sensors
	<b>161217</b> ▪ <b>LUX2+</b> ADI module for the management of lights, traffic light or electro-brake
	<b>161216</b> ▪ <b>SYNCRO</b> ADI modules for synchronized operation of two control units

## TECHNICAL FEATURES

Description	230V with <b>INVERTER</b> electronic board only	230V with <b>INVERTER</b> plastic box	230V with <b>INVERTER</b> metal box
<b>MODEL</b>	<b>HEAVY1</b>	<b>HEAVY1-PB</b>	<b>HEAVY1-MB</b>
<b>CODE</b>	<b>12B052</b>	<b>12B055</b>	<b>12B057</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Motor drive frequency (Hz)	5 ÷ 99	5 ÷ 99	5 ÷ 99
Maximum motor load (W)	1500	1500	1500
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 165	400 x 300 x 185
Weight (g)	1800	4500	8700
Protection degree (IP)	-	56	66

# HEAVY2



## Control unit

for **230V/400V** three-phase motors

### 230V/400V digital



**HEAVY2-PB**



**HEAVY2-MB**

- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1 x 230V/400V three-phase or 230V single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Two relay outputs programmable as lights, electrolock, warning light or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light )
- Test of safety devices before each opening
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

## ACCESSORIES



### 11B047 ▪ MR2

433.92 MHz plug-in receiver module. Also available in 868.30 MHz version (code 11B048)



### 161221 ▪ BT01

ADI module for managing the control unit via Bluetooth and **V2app**



### 161225 ▪ V2KNX-01

ADI module for radio control of the safety devices through WES sensors



### 35B026 ▪ WES-ADI

ADI module for radio control of the safety devices through WES sensors



### 161217 ▪ LUX2+

ADI module for the management of lights, traffic light or electro-brake



### 161216 ▪ SYNCRO

ADI modules for synchronized operation of two control units

## TECHNICAL FEATURES

Description	230V / 400V electronic board only	230V / 400V plastic box	230V / 400V metal box
<b>MODEL</b>	<b>HEAVY2</b>	<b>HEAVY2-PB</b>	<b>HEAVY2-MB</b>
<b>CODE</b>	<b>12B053</b>	<b>12B056</b>	<b>12B058</b>
Power supply (Vac - Hz)	400V - 230V (three-phase)	400V - 230V (three-phase)	400V - 230V (three-phase)
Maximum motor load (W)	4	4	4
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 165	400 x 300 x 185
Weight (g)	1600	4300	8500
Protection degree (IP)	-	56	66

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
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MOTORS FOR  
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ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# EASY-TOP



## Control unit





for rolling shutters

### 230V digital



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

## ACCESSORIES

	<b>11B047 ▪ MR2</b> 433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)
	<b>35B025 ▪ WES-EASY</b> Optional card for radio control of safety devices using WES sensors
	<b>171224 ▪ EASY-PULSE</b> 3 push-button casing
	<b>171226 ▪ EASY-PULSE</b> Push-button adapter

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>EASY-TOP</b>
<b>CODE</b>	<b>12C045</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55



# EASY-LUX



## Control unit

for rolling shutters

**230V digital**  
with **LED courtesy light**  
and **keypad**



- Programming achieved using program buttons and display
- 230V power supply for 1 single-phase motor
- LED courtesy light integrated into the container
- Control keypad located on the cover
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm / alarm) input
- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Monitoring of input status shown by display

### ACCESSORIES



**11B047 • MR2**

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)



**35B025 • WES-EASY**

Optional card for radio control of  
safety devices using WES sensors



## TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>EASY-LUX</b>
<b>CODE</b>	<b>12C049</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
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ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# EASY-BASIC



## Control unit

for rolling shutters

**230V analogue**  
with **built-in receiver**  
**(433.92 MHz)**



- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Built-in radio receiver (433,92 MHz)
- Operation with Personal Pass or Royal series transmitters
- Possibility of storing up to 30 different codes (Personal Pass)
- Start, stop / safety edge inputs
- 1 input for photocells
- Start and courtesy light from transmitter
- 230V output for flashing light or courtesy light
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>EASY-BASIC</b>
<b>CODE</b>	<b>12C044</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

# EASY1



## Control unit

for rolling shutters  
and screens

**230V analogue**  
with **built-in receiver**  
**(433.92 MHz)**



- 230V power supply for 1 single-phase motor
- Maximum available power for 1 motor: 700W
- Built-in radio receiver capable of memorising 32 Personal Pass transmitters
- Separated start inputs to control the UP/DOWN function by two push-buttons
- Possibility to control the rolling shutter with one single push-button configuring the STEP BY STEP logic
- Operating with one or two push-buttons also from transmitter

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>EASY1</b>
<b>CODE</b>	<b>12C029</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	41 x 127 x 24
Weight (g)	100
Protection degree (IP)	55

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
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TUBULAR MOTORS

# EASY2



## Control unit

for rolling shutters

**230V analogue**  
with **courtesy light**  
and **automatic closure**



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

## ACCESSORIES



### 11B047 ▪ MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)

## TECHNICAL FEATURES

Description	230V for 1 230V motor
<b>MODEL</b>	<b>EASY2</b>
<b>CODE</b>	<b>12C030</b>
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

# CITY5

## Control unit

for controlling a traffic light installed near an alternate-way traffic passageway

### 230V digital



- Programming achieved using 3 program buttons and display
- Management of 2 traffic light units
- Mains-independent lamps power supply
- Plug-in adaptor for modular radio receiver MR2
- 2 push-button inputs: entry, exit
- 1 control device input code
- 2 vehicle presence detection inputs (N.O. or N.C.)
- 1 emergency input, to guarantee green on exit
- Independent input and output control from transmitter
- 2 control outputs for the gate control unit (N.O. or N.C.) opening and closing
- 2 x 24V ac/dc outputs for supplying accessories
- On-card traffic-light status LEDs
- Vehicle transit counter, with restricted access upon reaching parking capacity
- Programming right-of-way criteria in both directions
- Monitoring of input status using the display

## ACCESSORIES



### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)

## TECHNICAL FEATURES

Description	230V for traffic light
MODEL	CITY5
CODE	12G014
Power supply (Vac - Hz)	230 - 50
Power supply for the lamps of the light (Vac)	Direct or alternate current, max 250V
Maximum charge of the lamps of the light (A)	5
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	195 x 145 x 80
Weight (g)	800
Protection degree (IP)	55







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ELECTRONIC KITS

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ELECTRONICS FOR  
TUBULAR MOTORS

# PHOX

## Personal Pass transmitter

433.92 - 868.30 MHz  
rolling code



433,92 MHz

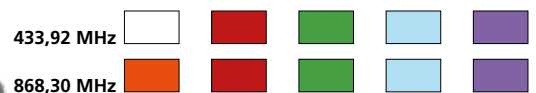
868,30 MHz

- Rolling code transmission
- 433.92 MHz and 868.30 MHz version
- 2-button and 4-button version, programmable or factory set
- Possibility to obtain up to 14 channels by combining the pressure of multiple buttons
- Programming via radio through Flash-prog and Winppcl without having to remove the transmitter from the single box
- Possibility of programming - using Winppcl - spare transmitters able to replace transmitters previously stored on the system
- Available in multi-colour packs: 10 transmitters in 5 different colours (2 transmitters per colour)

### TECHNICAL FEATURES

MODEL	PHOX2-433	PHOX2P-433	PHOX4-433	PHOX4P-433	PHOX2-868	PHOX2P-868	PHOX4-868	PHOX4P-868
CODE	10V001	10V002	10V003	10V004	10V005	10V006	10V007	10V008
Frequency (MHz)	433.92	433.92	433.92	433.92	868.30	868.30	868.30	868.30
Buttons	2	2	4	4	2	2	4	4
Factory set	•		•		•		•	
To serialize		•		•		•		•
Range in open field (m)	350				250			
Power supply (battery type)	Lithium 3V (CR2032)							
Max. absorption (mA)	< 10							
Dimensions (mm)	32.4 x 63.2 x 9.8							

### MULTI-COLOUR PACK



MODEL	PHOX2-433	PHOX2P-433	PHOX4-433	PHOX4P-433	PHOX2-868	PHOX2P-868	PHOX4-868	PHOX4P-868
CODE	10V501	10V502	10V503	10V504	10V505	10V506	10V507	10V508

# KEHO

## Personal Pass transmitter

433.92 MHz  
rolling code



- Rolling code transmission
- Possibility to obtain up to 14 channels by combining the pressure of multiple buttons
- Programming via radio through Flash-prog and Winppcl without having to remove the transmitter from the single box
- Possibility of programming - using Winppcl - spare transmitters able to replace transmitters previously stored on the system

### TECHNICAL FEATURES

MODEL	KEHO4-433	KEHO4P-433
CODE	10R101	10R102
Frequency (MHz)	433.92	433.92
Factory set	•	
To serialize		•
Range in open field (m)	300	
Power supply (battery type)	Lithium 3V (CR2032)	
Max. absorption (mA)	< 10	
Dimensions (mm)	38 x 73 x 10	

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

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TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



# PMR

## Wall-mounted Personal Pass transmitter

433.92 MHz  
rolling code



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

### TECHNICAL FEATURES

MODEL	PMR2	PMR4
<b>CODE</b>	<b>10K001</b>	<b>10K004</b>
Frequency (MHz)	433.92	433.92
Buttons	2	4
Range in open field (m)	200	
Power supply (battery type)	Lithium 3V (CR2032)	
Max. absorption (mA)	10	
Dimensions (mm)	70 x 70 x 17	

# TMU100

## 100-channel Personal Pass transmitter with display

433.92 MHz  
rolling code



- Rolling code transmission
- 100 available channels
- Each channel can transmit 2 different commands (OPEN or CLOSE)
- Display to select the channels and the programming steps
- Possibility to program the favourite channel
- Possibility to set the last channel, useful when not using all 100 channels
- Low battery warning
- Ongoing transmission signal

### TECHNICAL FEATURES

MODEL	TMU100
<b>CODE</b>	<b>10M003</b>
Frequency (MHz)	433.92
Range in open field (m)	300
Power supply (battery type)	2 x Lithium 3V (CR2032)
Max. absorption (mA)	< 10
Dimensions (mm)	52 x 124 x 20



# MATCH

## Royal transmitter and copier for fixed codes

433.92 MHz  
codice Royal / 53200



- Ideal to copy all the fixed code transmitters transmitting at 433.92MHz
- Quick, easy programming
- Available in two different colours
- Each button operates independently, so a single MATCH transmitter can store the code of four different transmitters
- Every button is already configured with a ROYAL type code at 20 bit; therefore, MATCH can be used immediately like a regular transmitter
- Possibility to configure the transmission code as 53200 at 12 bit

### TECHNICAL FEATURES

MODEL	MATCH-W	MATCH-B
CODE	10R005	10R006
Frequency (MHz)	433.92	433.92
Colour	white	black
Range in open field (m)	300	
Power supply (battery type)	Lithium 3V (CR2032)	
Max. absorption (mA)	< 8	
Dimensions (mm)	38 x 73 x 10	

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

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ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# WALLY

## 12/24V outdoor receiver

433.92 - 868.30 MHz  
Personal Pass / Royal



- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 1, 2 and 4 channel version
- Monostable, bistable or timer operating logic
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board

### TECHNICAL FEATURES

MODEL	WALLY1-U-433	WALLY2-U-433	WALLY4-U-433	WALLY1-U-868	WALLY2-U-868	WALLY4-U-868
CODE	11G050	11G051	11G052	11G053	11G054	11G055
Frequency (MHz)	433.92	433.92	433.92	868.30	868.30	868.30
Channels	1	2	4	1	2	4
Power supply	12 - 24 Vac / 12 - 36 Vdc					
Absorption in stand-by (mA)	16 @ 24 Vdc					
Relay contacts (A)	1 @ 30 Vdc					
Sensibility	≥ -103 dBm					
S/N	> 17dB @ 100dBm m=100%					
Working temperature (°C)	-20 ÷ +60°C					
Protection degree (IP)	55					
Dimensions (mm)	132 x 26 x 74					

# MR2

## Plug-in receiver module for V2 control units

433.92 - 868.30 MHz  
Personal Pass / Royal



- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 4 programmable channels with monostable, bistable or timer operating logics
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software

### TECHNICAL FEATURES

MODEL	MR2-U-433	MR2-U-868
CODE	11B047	11B048
Frequency (MHz)	433.92	868.30
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60°C	
Dimensions (mm)	52 x 35 x 15	

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# WALLY2-230V

## 230V outdoor receiver

433.92 - 868.30 MHz  
 Personal Pass / Royal



- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 2 programmable channels with monostable, bistable or timer operating logics
- Power relay for loads up to 1500W
- Possibility to store up to 240 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software

### TECHNICAL FEATURES

MODEL	WALLY2-230V	WALLY2-230V-868
CODE	11D012	11D014
Frequency (MHz)	433.92	868.30
Power supply (V - Hz)	230 - 50	
Absorption in stand-by (mA)	20	
Relay contacts (A)	10 (@ 250Vac)	
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60	
Protection degree (IP)	55	
Dimensions (mm)	113 x 113 x 57	

# RXP4

## 24V outdoor receiver with display

433.92 - 868.30 MHz  
Personal Pass / Royal



- Programming achieved using 3 program buttons and display
- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 4 programmable channels with monostable, bistable or timer operating logics
- Relay outputs 2 - 3 - 4 with N.O. or N.C. contact that can be selected using the jumpers
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Saving data on MR2 removable receiver module
- Data management via PROG2 and WINPPCL by inserting the removable module MR2 into connector TX of PROG2

### TECHNICAL FEATURES

MODEL	RXP4-433	RXP4-868
CODE	11D017	11D018
Frequency (MHz)	433.92	868.30
Power supply	12-24 Vac/dc / 12-36 Vdc	
Absorption in stand-by (mA)	16 @ 24 Vdc	
Relay contacts (A)	relè 1 = 5A - 230Vac / relè 2 = 1A - 30Vdc / relè 3 = 1A - 30Vdc / relè 4 = 1A - 30Vdc	
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60	
Protection degree (IP)	55	
Dimensions (mm)	170 x 185 x 70	

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



# PROG2

## Portable programming device



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

MODEL	PROG2-USB 433	PROG2-USB 868
CODE	161006	161007
Frequency (MHz)	433.92	868.30

# FLASH-PROG

## Quick programmer for PHOX transmitters



- Programming via radio of PHOX transmitters by simply placing the remote control on the programmer and proceeding with programming with Winppcl
- Dual frequency: enables programming 433.92 MHz and 868.30 MHz transmitters
- Direct connection to a PC via USB port
- Possibility to manage programming also via PROG2

MODEL	FLASH-PROG
CODE	161009

# WINPPCL

## Administration software



WINPPCL software is a program allowing the storage, consultation and updating of all the data and all the settings of the systems by using a Data Base.

WINPPCL can be used both by itself and also when connected to the PROG2 portable programming device. In the former case, it is only possible to work with the Data Base, while in the latter case, all the V2 device read/write operations can be performed.

In order to be able to use WINPPCL, it is necessary to obtain a contract activation code from V2 which will allow the devices to be customized with their own client codes.

It allows the installers to optimise their time by programming all the V2 TRANSMITTERS AND ACCESSORIES directly in their own workshop.

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

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

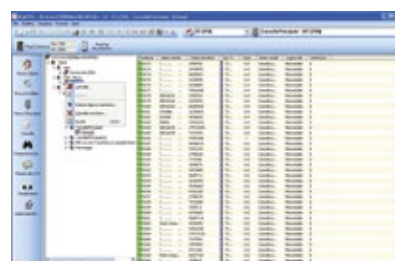
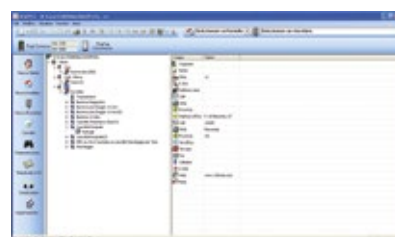
To activate a new user, simply program a blank transmitter with one of the codes already present in the memory.

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

It allows printing and exporting of all information regarding users, transmitters, receivers and installations.

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

It allows the generation of transmitters, capable of substituting a transmitter previously memorised in a WALLY/MR2 series receiver, via radio.



MODEL	WINPPCL
CODE	21A001

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

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ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# DEV-R1

## Miniaturized receiver to control a single phase asynchronous motor

433.92 - 868.30 MHz  
Personal Pass



- Power supply with extended range
- Very low power consumption in stand-by
- 433.92 MHz and 868.30 MHz version
- Compatible with Personal Pass transmitters
- Possibility to store up to 30 different codes

- Two wired inputs: up and down
- Integrated button for programming operations
- Sequential storage of transmitters
- Self-learning of transmitters managed by radio

# DEV-R2

## Miniaturized receiver to control a load up to 500W

433.92 - 868.30 MHz  
Personal Pass



- Power supply with extended range
- Very low power consumption in stand-by
- 433.92 MHz and 868.30 MHz version
- Compatible with Personal Pass transmitters
- Possibility to store up to 30 different codes
- Two wired inputs: up and down

- Relay output with no-voltage contacts for loads of up to 500W
- Integrated button for programming operations
- Sequential storage of transmitters
- Self-learning of transmitters managed by radio

# DEV-T1

## Personal Pass miniaturized transmitter

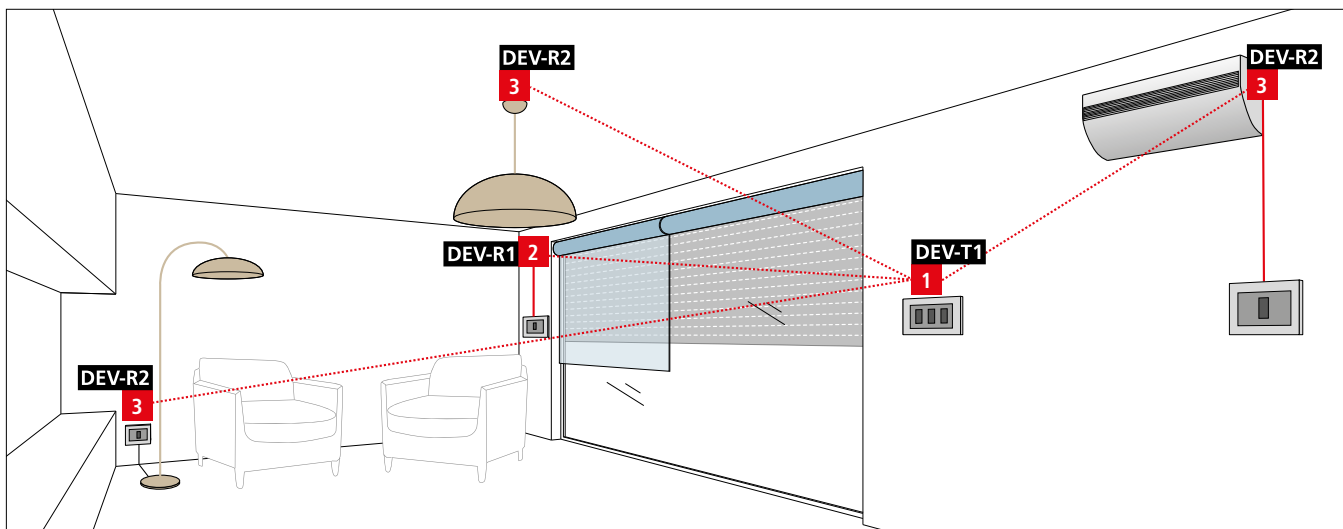
433.92 - 868.30 MHz  
Personal Pass



- Power supply with extended range
- Very low power consumption in stand-by
- 4 wired inputs for N.O. buttons
- 433.92 MHz and 868.30 MHz version

### TECHNICAL FEATURES

MODEL	DEV-R1-433	DEV-R2-433	DEV-T1-433	DEV-R1-868	DEV-R2-868	DEV-T1-868
CODE	12E105	11D021	10K022	12E106	11D022	10K023
Power supply (Vac - Hz)	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60
Frequency (MHz)	433.92	433.92	433.92	868.30	868.30	868.30
Absorption in stand-by (mA)	0.25	0.25	0.15	0.25	0.25	0.15
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Maximum operating time (s)	120	-	120	120	-	120
Dimensions (mm)	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41



MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
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# ECO-LOGIC

## Solar energy kit



- ECO-LOGIC is the new V2 system to power the 24V automations with just solar energy
- This system allows the automation of installations, very far from the mains, without excavation works
- The panel converts the solar light into electric energy, stored in the battery box
- The battery box provides full autonomy to V2 24V systems, day and night and even after long periods of bad weather
- In the event of batteries being fully discharged, a quick charge is available via the additional 230V power adaptor
- Possibility to install an additional panel for intensive use or installed in the shade automations

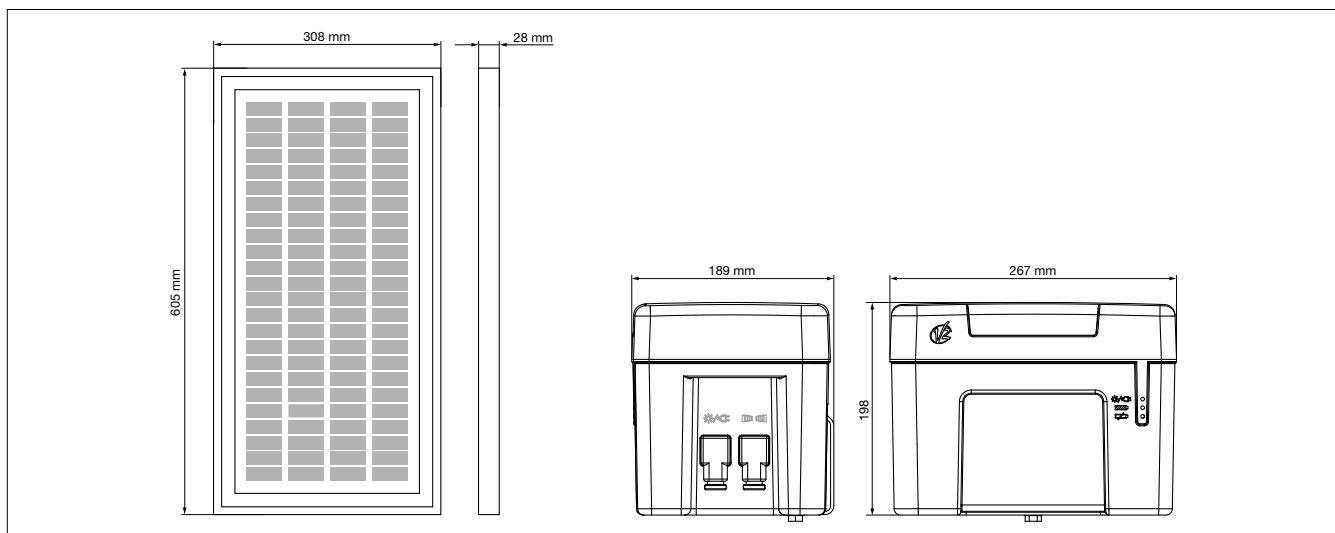
## TECHNICAL FEATURES

Description	ECO-LOGIC accumulator unit	ECO-LOGIC solar panel	ECO-LOGIC mains power supply
<b>MODEL</b>	<b>ECO-LOGIC</b>		-
<b>CODE</b>	<b>28A034</b>		<b>172802</b>
Voltage output towards the control unit (Vdc)	24 - 28	-	-
Maximum voltage without load (Vdc)	-	42	-
Voltage at maximum power point (Vdc)	-	33.6	-
Power supply (Vac - Hz)	-	-	230 - 50
Maximum current (A)	16	-	-
Peak nominal power (W)	-	20	-
Nominal power (W)	-	-	36
Battery capacity (Ah)	18	-	-
Mains recharge time (h)	~15	-	-
Protection degree (IP)	44	-	-
Working temperature (°C)	0 ÷ +40 (charging) -20 ÷ +50 (in use)	-20 ÷ +80	0 ÷ +30
Weight (Kg)	12	2.2	1.7

**BATTERY BOX**



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



**ACCESSORIES**



<b>172802</b>	<b>172801</b>
Auxiliary power supply for mains charging	Additional solar panel

MOTORS FOR SLIDING GATES

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# SIRMO

## Key switch with European cylinder



- Die-cast aluminium frame
- Burglar-proof
- Inner seal to ensure maximum tightness of the container
- Electrical contacts and levers protected by a plastic casing
- Available in recessed, wall-mounted and pillar version

- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Possibility to manage multiple switches with the same lock, replacing the key knob supplied with the accessory one. 8 sets of knobs are available with the following codes:  
172003 - 172004 - 172005 - 172006  
172007 - 172008 - 172009 - 172010



### TECHNICAL FEATURES

Description	key switch recessed-mounted	key switch wall-mounted	key switch pillar-mounted
<b>MODEL</b>	<b>SIRMO-I</b>	<b>SIRMO-E</b>	<b>SIRMO-G</b>
<b>CODE</b>	<b>20A008</b>	<b>20A006</b>	<b>20A007</b>
Dimensions (mm)	82 x 77 x 62	82 x 77 x 52	82 x 77 x 52
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	44	44	44

# SIRMO-DIGIT

## Digital radio or wired switch



- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container
- Safe enabling by typing a custom combination from 1 to 8 digits
- Possibility to program up to 9 different channels
- Wall-mounted and pillar version

- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Rolling code radio version (works like a normal Personal Pass transmitter)
- Wired version that can be interfaced with the DEC4 and RXP4-C decoders
- Backlit keyboard



### TECHNICAL FEATURES

Description	digital switch radio. wall-mounted	digital switch radio. wall-mounted	digital switch radio. pillar-mounted	digital switch radio. pillar-mounted	digital switch wired. wall-mounted	digital switch wired. pillar-mounted
<b>MODEL</b>	<b>SIRMO-DE</b>	<b>SIRMO-DE 868</b>	<b>SIRMO-DG</b>	<b>SIRMO-DG 868</b>	<b>SIRMO-DEC</b>	<b>SIRMO-DGC</b>
<b>CODE</b>	<b>10L009</b>	<b>10L012</b>	<b>10L010</b>	<b>10L013</b>	<b>20A009</b>	<b>20A011</b>
Frequency (MHz)	433.92	868.30	433.92	868.30	-	-
Power supply	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	12-24 Vac/dc	12-24 Vac/dc
Max. absorption (mA)	25	40	25	40	35	35
Range in open field (m)	150	100	150	100	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 32	82 x 77 x 52	82 x 77 x 52	82 x 77 x 32	82 x 77 x 52

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



# NEXT

## Radio proximity system (READ ONLY keys)



NEXT-TAG



NEXT-CARD



MASTER

- The digital radio switch NEXT does not need any electrical wiring and sends a code compatible with Personal Pass transmitters (433.92 MHz)
- NEXT must be initialized with a MASTER card (supplied with the reader) that can be serialized with PROGTAG-USB and WINPPCL
- The READ ONLY access keys (NEXT-TAG and NEXT-CARD models) are factory set and have to be stored in the proximity reader (up to 400 keys)
- The stored keys enable the radio transmission of the code with active Rolling code
- Visual signalling through LED and acoustic through internal buzzer
- Low battery warning
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container



## TECHNICAL FEATURES

Description	proximity reader wall-mounted	proximity reader pillar-mounted	proximity key	proximity card
<b>MODEL</b>	<b>NEXT-RSE</b>	<b>NEXT-RSG</b>	<b>NEXT-TAG</b>	<b>NEXT-CARD</b>
<b>CODE</b>	<b>15G001</b>	<b>15G002</b>	<b>15F001</b>	<b>15E001</b>
Frequency (MHz)	433.92	433.92	125 KHz	125 KHz
Power supply	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	-	-
Max. absorption (mA)	60	60	-	-
Range in open field (m)	150	150	0.04	0.04
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	30 x 36 x 6	85 x 54

# PROKSIMA

## Proximity system (READ & WRITE keys)



VTR



VCR



PROG-TAG

- Proximity systems are used with automation systems where it is necessary to use customized keys or passes to control access
- The proximity reader must be interfaced with a DEC4 or RXP4-C decoder
- The keys and proximity cards are stored in the decoder
- Just move a key or a card near a Proksima reader to execute the command set in the decoder
- Proximity keys and passes can be factory serialised by V2 or programmed by the installer using the Protag terminal running WINPPCL interface software
- The keys and proximity cards are “read & write” devices that can be reprogrammed countless times. The access device programming code is unique and extremely safe
- Visual signalling through LED and acoustic through internal buzzer
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container



## TECHNICAL FEATURES

Description	proximity reader wall-mounted	proximity reader pillar-mounted	serialised proximity key*	serialised proximity card**	device for programming proximity cards and passes
<b>MODEL</b>	<b>PROKSIMA-EC</b>	<b>PROKSIMA-GC</b>	<b>VTR</b>	<b>VCR</b>	<b>PROGTAG-USB</b>
<b>CODE</b>	<b>15C003</b>	<b>15C004</b>	<b>15B001</b>	<b>15A002</b>	<b>161502</b>
Frequency (KHz)	-	-	125	125	-
Power supply (Vac)	12-24 Vac/dc	12-24 Vac/dc	-	-	USB
Absorption (mW)	700	700	-	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	22 x 30 x 5	85 x 54	100 x 195 x 40

\* the code 15B003 is the proximity key to serialize  
\*\* the code 15A003 is the proximity card to serialize

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# DEC4-PLUS

## Remote decoder

- Programming via button and LED
- 4 normally open output relays
- Option to select the output type: monostable, step or timer
- Sequential storing of access devices
- Possibility to store up to 1008 different codes
- Memory full warning
- Basic programming using button or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board



### TECHNICAL FEATURES

Description	remote decoder
<b>MODEL</b>	<b>DEC4-PLUS</b>
<b>CODE</b>	<b>15D003</b>
Power supply (Vac/dc)	12-24
Absorption in stand-by (mA)	17
Relay contact (A)	1 @ 30 Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	74 x 132 x 26

# RXP4-C

## Remote decoder with display

- Programming achieved using 3 program buttons and display
- 4 programmable channels with monostable, bistable or timer operating logics
- Relay outputs 2 - 3 - 4 with N.O. or N.C. contact that can be selected using the jumpers
- Possibility to store up to 1008 different codes
- Sequential storing of access devices
- Memory full warning
- Saving data on MR2 removable receiver module
- Data management via PROG2 and WINPPCL by inserting the removable module MR2 into connector TX of PROG2



### TECHNICAL FEATURES

Description	remote decoder with display
<b>MODEL</b>	<b>RXP4-C</b>
<b>CODE</b>	<b>15D004</b>
Power supply (Vac/dc)	12-24 Vac/dc / 12-36 Vdc
Absorption in stand-by (mA)	16 @ 24 Vdc
Relay contact (A)	relè 1 = 5A - 230Vac / relè 2 = 1A - 30Vdc relè 3 = 1A - 30Vdc / relè 4 = 1A - 30Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	170 x 185 x 70

# GARDO

## Aluminium pillars for photocells and accessories

- Photocells can be easily mounted on Gardo pillars at the desired height, granting them total protection
- Gardo pillars do not need accessories for the mounting of key and digital switches on the upper side
- Aluminium frame
- Polycarbonate front cover
- 3 point ground anchoring



### TECHNICAL FEATURES

Description	pair of pillars	single pillar
<b>MODEL</b>	<b>GARDO50</b>	<b>GARDO100</b>
<b>CODE</b>	<b>161303</b>	<b>161302</b>
Height (cm)	50	100

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

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SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# LUMOS

## Led flashing light

- Led device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit
- Can be installed on a flat surface or on wall using the bracket supplied with the product
- Built-in antenna



### TECHNICAL FEATURES

MODEL	LUMOS-M
CODE	14C003
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	136 x 82 x 35

# BLINKO

## Led flashing light

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



### TECHNICAL FEATURES

MODEL	BLINKO-M
CODE	14D005
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	90 x 43 x 36



# ML6

## Multivoltage led module

- Led device that does not need any maintenance
- It replaces normal filament bulbs inside the already-installed flashing lights
- It is suitable for all types of flashing lights thanks to multi-voltage technology
- Easy installation thanks to a screw connector for using ML6 on common couplings of E14 bulbs
- Its extractable terminal board prevents cable twisting during installation



### TECHNICAL FEATURES

MODEL	ML6
CODE	14A005
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	74 x 32 x 30

# FZA

## Traffic light

- 24V traffic light with two lamps: green and red
- Body in painted aluminium with nylon parts
- 3W LED bulbs
- Adjustable up to 200° in horizontal plane
- Screen for bulb Ø 120 mm in polymethacrylate



### TECHNICAL FEATURES

MODEL	FZA
CODE	161220
Power supply (Vac/dc)	24
Working temperature (°C)	-30 ÷ +80
Protection degree (IP)	65
Dimensions (mm)	180 x 410 x 290

# ANS433

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



### TECHNICAL FEATURES

MODEL	ANS433
CODE	19A001
Frequency (MHz)	433 ÷ 868
Impedence (Ohm)	50
Gain (db)	2,5

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

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# SENSIVA-XS

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



- Very small size (84x29x24 mm)
- They can be installed inside the GARDO pillars
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight

## TECHNICAL FEATURES

MODEL	SENSIVA-XS
CODE	13C002
Optical range (m)	20
Dimensions (mm)	29 x 84 x 24
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

# SENSIVA-180

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



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

## TECHNICAL FEATURES

MODEL	SENSIVA-180
CODE	13C003
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

# SENSIVA-PLUS

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

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



## TECHNICAL FEATURES

MODEL	SENSIVA-PLUS
CODE	13C004
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

# SENSIVA-WL

Synchronized, adjustable (180°), wall mounted photocells with battery powered transmitter

- Possibility to connect a resistive or traditional safety edge on the transmitter
- Synchronized: ability to set two different transmission codes to simultaneously use two pairs of photocells without mutual interference
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Automatic slow down of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes



## TECHNICAL FEATURES

MODEL	SENSIVA-WL
CODE	13C005
Optical range (m)	20
Dimensions (mm)	41 x 115 x 38
Power supply (RX)	12÷24 Vac / 12÷36 Vdc
Power supply (TX)	2 batteries 1.5V AAA
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

MOTORS FOR SLIDING GATES

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# SENSIVA

## Synchronised, adjustable wall- and pillar-mounted photocells



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

### TECHNICAL FEATURES

MODEL	SENSIVA
CODE	13C001
Optical range (m)	25
Dimensions (mm)	42 x 90 x 36
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	44

# DFN

## Synchronised, self-aligning wall- and recessed-mounted photocells



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

### TECHNICAL FEATURES

MODEL	DFN
CODE	13A001
Optical range (m)	25
Dimensions (mm)	66 x 76 x 30
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54

# SHIELD-180

Armoured wall-mounted photocells adjustable (180°) and synchronised



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

## TECHNICAL FEATURES

MODEL	SHIELD-180
CODE	13C007
Optical range (m)	20
Dimensions (mm)	74 x 141 x 55
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	55

# REFLEX

Reflective photocells

PMP12



PC50



- **PMP12**: equipped with cable glands with gaskets and mounting bracket
- **PC50**: equipped with 4 m pre-wired cable and mounting bracket

MODEL	PMP12	PC50
CODE	13D007	13D006
Optical range (m)	10	6
Dimensions (mm)	65 x 25 x 81	50 x 17 x 50
Power supply	24 Vac/dc	12-240 Vdc / 24-240 Vac
Relay contact (A)	3	1
Working temperature (°C)	-10 ÷ +55	-20 ÷ +60

## ACCESSORIES



161304	161305	161306	161307	161308
Reflector Ø 80 mm	Reflector 40 x 60 mm	Reflector 84 x 84 mm	White metal container for PMP12	White cover for metal reflector

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## Radio control system for safety edges



- WES (Wireless Edge System) is the new V2 system allowing safety edges to be controlled by radio
- The system consists of a base unit connected directly to the control unit and one or more sensors connected to the safety edges
- The base unit is powered from the control unit and constantly monitors the status of the sensors connected.
- Up to a maximum of 8 sensors can be connected to each base unit
- Each sensor is able to control up to 2 traditional safety edges with N.C. contact or resistive safety edges (8,2kohm).
- The system is compatible with any control unit.
- As an alternative to the WES base, you can use the additional modules of the control units WES-ADI and WES-EASY

### TECHNICAL FEATURES

Description	base	sensor
<b>MODEL</b>	<b>WES-BASE</b>	<b>WES-SENSOR</b>
<b>CODE</b>	<b>35B022</b>	<b>35B021</b>
Power supply (Vac/dc)	12 / 24	2 x LR6/AA (1.5V-2600mAh)
Absorbed power (W)	0.75	-
Stand-by time	-	> 2 anni
Outputs (relay switch)	2 safety edge alarms - 1 low battery warning 1 global signal	-
Number of sensors	fino a 8	-
Number of radio channels	16	-
Inputs	-	2 mechanical or resistive safety edges
Maximum range (m)	-	10
Working temperature (°C)	- 20 ÷ + 60	- 15 ÷ + 50
Protection degree (IP)	55	54
Dimensions (mm)	125 x 56 x 23	170.5 x 45 x 19.5



## Inductive loop detectors



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

### TWO-CHANNEL DETECTOR

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

### SINGLE-CHANNEL DETECTOR

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

## TECHNICAL FEATURES

Description	single-channel detector	two-channel detector
<b>MODEL</b>	<b>VEK1</b>	<b>VEK2</b>
<b>CODE</b>	<b>162241</b>	<b>162242</b>
Power supply (Vac/dc)	24 (+/- 10%)	24 (+/- 10%)
Absorbed power (W)	1.5	2
Outputs (relay switch)	1 permanent relay 1 pulse relay	2 permanent relays
Frequency (KHz)	30 ÷ 130	30 ÷ 130
Dimensions (mm)	79 x 22.5 x 90	79 x 22.5 x 90

## ACCESSORIES



CAB105	CAB106	CAB107
Perimeter wire (6 m)	Perimeter wire (9 m)	Perimeter wire (12 m)

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# TOUCH-CMM

## Mechanical safety edges

They use a rigid metal wire as the sensitive element inside a rubber body.

The device is activated by exerting pressure on the edge.

The signal, once detected and intercepted by the control unit, is transduced into the motion block.

The mechanical safety edges are pre-assembled on aluminium strips and are available in various lengths: 1.5 m, 1.7 m, 2.0 m.



Description	length 1.5 m	length 1.7 m	length 2 m
<b>MODEL</b>	<b>TOUCH-CMM150</b>	<b>TOUCH-CMM170</b>	<b>TOUCH-CMM200</b>
<b>CODE</b>	<b>162301</b>	<b>162302</b>	<b>162303</b>

# TOUCH-R

## Resistive safety edges

Constant monitoring is achieved using the closed-circuit principle.

The last safety contact edge in a possible serial connection is fitted with a terminal resistor, which is continuously monitored by an electronic evaluation unit.

Thus allowing the entire circuit to be monitored for shorts and wire breaks.



**TOUCH-RL**



**TOUCH-RH**

TOUCH-RL	aluminium strip length 2 m	aluminium strip length 3 m	rubber strip length 25 m height 30 mm width 25 mm	End plug with cable	End plug with resistance
<b>MODEL</b>	<b>TOUCH-RLA02</b>	<b>TOUCH-RLA03</b>	<b>TOUCH-RLG25</b>	<b>TOUCH-RLTC</b>	<b>TOUCH-RLTR</b>
<b>CODE</b>	<b>35B003</b>	<b>35B004</b>	<b>35B027</b>	<b>35B028</b>	<b>35B029</b>

TOUCH-RH	aluminium strip length 2 m	aluminium strip length 3 m	rubber strip length 25 m height 55 mm width 35 mm	End plug with cable	End plug with resistance
<b>MODEL</b>	<b>TOUCH-RHA02</b>	<b>TOUCH-RHA03</b>	<b>TOUCH-RHG25</b>	<b>TOUCH-RHTC</b>	<b>TOUCH-RHTR</b>
<b>CODE</b>	<b>35B011</b>	<b>35B012</b>	<b>35B030</b>	<b>35B031</b>	<b>35B032</b>

# FEEL

## Optical safety edges

The optical safety edges are made of EPDM rubber (resistant to temperatures ranging from -50° to +150°) and a system of watertight reception/transmission photocells, very small, used in industrial applications and already tested in very hostile environments such as tunnel washing systems.

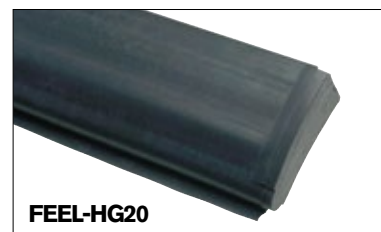
The operation is very simple: when the rubber is deformed by an external body, the cell radius is interrupted. Then, information is transmitted to a card with active safety system with input for automatic operation control.

The interlocking rubber profile enables quick installation, while the cable of the photocell can pass through quick and easy: no screws, glue or silicone. The photocells are inserted into the profile and connected to the amplifier. In just a few steps, the safety edge is ready to stand the test of time.

The profile FEEL-LG20 can be placed either horizontally (doors) or vertically (gates). The plastic cover can be removed to maintain the appearance of the gate unaltered.



FEEL-LG20



FEEL-HG20



FEEL-RX18 / FEEL-TX18

Description	Rubber profile L (h 57 mm - 20 m roll)	Right end cap for L rubber profile	Left end cap for L rubber profile
MODEL	FEEL-LG20	FEEL-LTD	FEEL-LTS
CODE	35A003	35A004	35A005

Description	Rubber profile H (h 94 mm - 20 m roll)	Right end cap for H rubber profile	Left end cap for H rubber profile
MODEL	FEEL-HG20	FEEL-HTD	FEEL-HTS
CODE	35A006	35A007	35A008

Description	Photocell (transmitter unit ø 18 mm)	Photocell (receiver unit ø 18 mm)
MODEL	FEEL-TX18	FEEL-RX18
CODE	35A001	35A002
Optical range (m)	10	
Power supply	12÷24 Vac/dc	
Signal	modulated infrared 833 Hz	
Working temperature (°C)	-20 ÷ +80	

## ACCESSORIES



35A009	35A010	35A012	35A013	35A024	35A025
Aluminium profile length 2 m (for rubber profiles L/H)	Aluminium profile length 3 m (for rubber profiles L/H)	Extendable cable length 3 m (4 x 0.75 mm <sup>2</sup> )	Extendable cable length 3 m (7 x 0.25 mm <sup>2</sup> )	Interface for optical-type safety edges (1 NPN output)	Glue (tube of 2 g)

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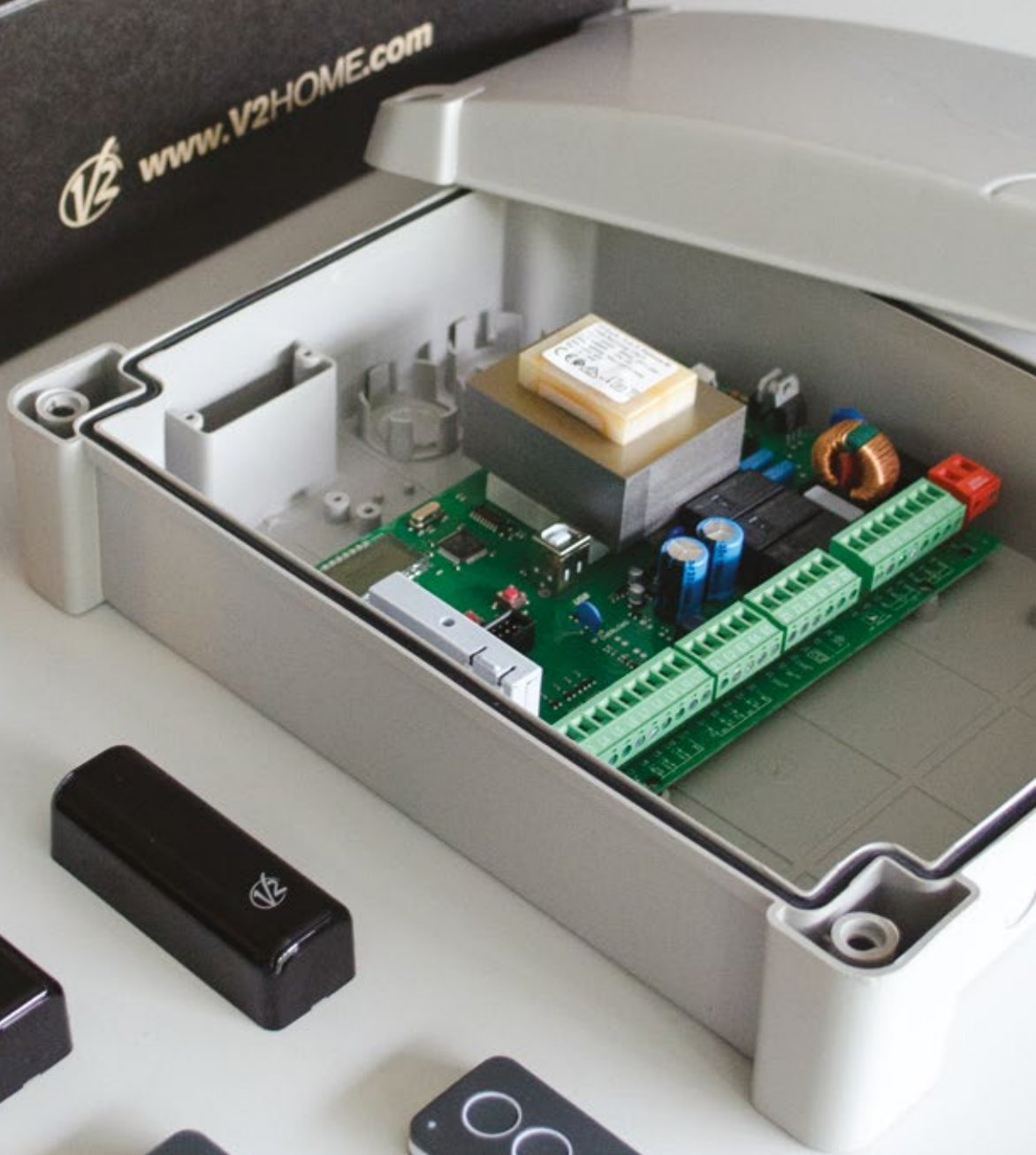
ELECTRONICS FOR TUBULAR MOTORS



 [www.V2HOME.com](http://www.V2HOME.com)



 [www.V2HOME.com](http://www.V2HOME.com)





# KIT UNIVERSAL 1



Electronic kit to complete the installation of swing and sliding gate 230V motors.  
DIGITAL control unit



Kit MODEL ▼	CITY1-EVO	PHOX2	MR2	SENSIVA-XS	LUMOS-M	Kit CODE ▼
Kit UNIVERSAL 1E	■	■■	■	■	■	28A087

# KIT UNIVERSAL 2

Electronic kit to complete the installation of swing and sliding gate 230V motors.  
ANALOGUE control unit with built-in receiver



Kit MODEL ▼	FLEXY2	PHOX2	SENSIVA-XS	LUMOS-M	Kit CODE ▼
Kit UNIVERSAL 2	■	■■	■	■	28A061

MOTORS FOR SLIDING GATES

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# KIT EASY 2

Electronic kit to complete the installation of 230V motors for rolling shutters



Kit MODEL ▼	EASY2	PHOX2	MR2	Kit CODE ▼
Kit EASY2	■	■■	■	28A064

# KIT EASY-BASIC

Electronic kit to complete the installation of 230V motors for rolling shutters



Kit MODEL ▼	EASY-BASIC	PHOX2	Kit CODE ▼
Kit EASY-BASIC	■	■■	28A065

# KIT GARDEN LUX

Electronic kit for radio control of loads up to 1500W



Kit MODEL ▼	WALLY2-230V	PHOX2	MATCH	Kit CODE ▼
Kit GARDEN LUX	■	■		28A066
Kit GARDEN LUX-R	■		■	28A067

MOTORS FOR SLIDING GATES

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

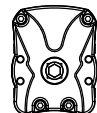
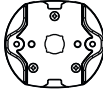
ELECTRONICS FOR TUBULAR MOTORS







# INDEX OF PRODUCTS

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	126	<b>VEO-RFE</b>	
Ø45 tubular motors Testa V2	128	<b>LEX</b>	
	128	<b>LEX-RM</b>	
	129	<b>LEX-FE</b>	
	129	<b>LEX-RFE</b>	
	130	<b>LEX-RFE-TC</b>	
	130	<b>LEX-RFO</b>	
	131	<b>LEX-H</b>	
Ø45 tubular motors COMPATIBLE Head	131	<b>LEX-HRM</b>	
	132	<b>LEX-S</b>	
	132	<b>LEX-SRM</b>	
Ø59 tubular motors	133	<b>LEX-SRFE</b>	
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	138	<b>HAND-ROLL</b>	

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
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ELECTRONIC KITS

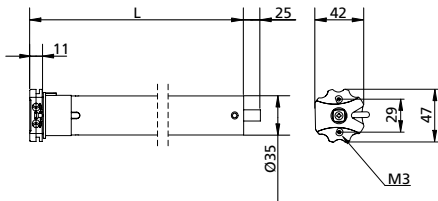
TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS



# VEO

**Tubular motor Ø 35 mm with mechanical limit switch**

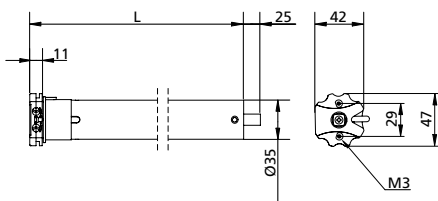


## TECHNICAL FEATURES

MODEL	VEO6-230V	VEO10-230V	VEO13-230V
CODE	27A022	27A023	27A029
Maximum load (Kg) - Value calculated with roller Ø 40 mm	17	27	35
Torque (Nm)	6	10	13
Speed (rpm)	28	17	14
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	121	121	121
Rated current (A)	0.53	0.53	0.53
Length - L - (mm)	447	447	447
Protection degree (IP)	44	44	44

# VEO-RFE

**Tubular motor Ø 35 mm with electronic limit switch, encoder and built-in radio receiver (434.15 MHz)**



## TECHNICAL FEATURES

MODEL	VEO6-RFE-230V	VEO10-230V
CODE	27A024	27A025
Maximum load (Kg) - Value calculated with roller Ø 40 mm	17	35
Torque (Nm)	6	13
Speed (rpm)	28	14
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum electric power (W)	121	121
Rated current (A)	0.53	0.53
Length - L - (mm)	505	505
Protection degree (IP)	44	44

TUBE		PULLEY		CROWN	
OCTAGONAL Ø 40		<b>COD. 162710</b>		<b>COD. 162711</b>	
		<b>PL</b>		<b>PL</b>	
ROUND Ø 43		<b>COD. 162712</b>		<b>COD. 163423</b>	
		<b>PL</b>		<b>PL</b>	
ROUND Ø 44		<b>COD. 162713</b>			
		<b>PL</b>			
ROUND Ø 50		<b>COD. 162757</b>		<b>COD. 162709</b>	
		<b>PL</b>		<b>PL</b>	
CORRUGATED NOTCH Ø 60		<b>COD. 162782</b>		<b>COD. 162783</b>	
		<b>PL</b>		<b>PL</b>	

ACCESSORIES	DESCRIPTION	CODE
	Wall bearing 10 x 10 mm (max. 10 Nm)	<b>162729</b>
	<b>PL</b>	
	Wall bearing (max. 10Nm)	<b>163412</b>
	<b>MT</b>	
	Snap-in bearing (max. 10Nm)	<b>162849</b>
	<b>PL</b>	
	Box with double self-locking push button	<b>162886</b>
	Box with double spring release push button	<b>162887</b>

MOTORS FOR  
SLIDING GATES

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SWING GATES

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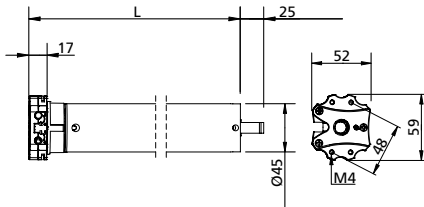
ELECTRONIC KITS

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# LEX

**Tubular motor Ø 45 mm with mechanical limit switch**

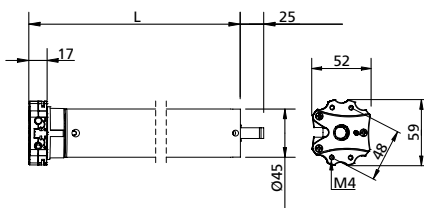


## TECHNICAL FEATURES

MODEL	LEX20-230V	LEX30-230V	LEX40-230V	LEX50-230V	LEX60-230V
CODE	27B222	27B223	27B224	27B225	27B311
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95	114
Torque (Nm)	20	30	40	50	60
Speed (rpm)	15	15	15	12	8
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205	208
Rated current (A)	0.64	0.83	0.86	0.89	0.89
Length - L - (mm)	450	480	500	500	510
Protection degree (IP)	44	44	44	44	44

# LEX-RM

**Tubular motor Ø 45 mm with mechanical limit switch and built-in radio receiver (434.15 MHz)**

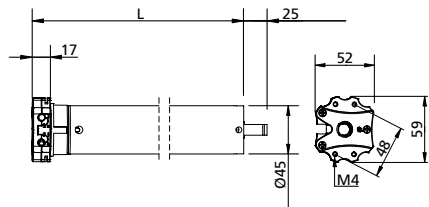


## TECHNICAL FEATURES

MODEL	LEX-RM20-230V	LEX-RM30-230V	LEX-RM40-230V	LEX-RM50-230V
CODE	27B226	27B227	27B228	27B229
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	660	660	660	660
Protection degree (IP)	44	44	44	44

# LEX-FE

Tubular motor Ø 45 mm with electronic limit switch and encoder

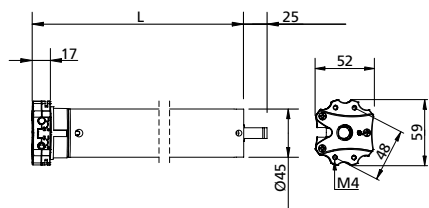


## TECHNICAL FEATURES

MODEL	LEX-FE20-230V	LEX-FE30-230V	LEX-FE40-230V	LEX-FE50-230V
CODE	27B230	27B231	27B232	27B233
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	550	660	660	660
Protection degree (IP)	44	44	44	44

# LEX-RFE

Tubular motor Ø 45 mm with electronic limit switch, encoder and built-in radio receiver (434.15 MHz)



## TECHNICAL FEATURES

MODEL	LEX-RFE20-230V	LEX-RFE30-230V	LEX-RFE40-230V	LEX-RFE50-230V
CODE	27B234	27B235	27B236	27B237
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	550	660	660	660
Protection degree (IP)	44	44	44	44

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

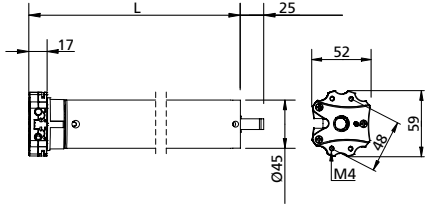
ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# LEX-RFE-TC

Tubular motor Ø 45 mm for drop awnings. Electronic limit switch, encoder and built-in radio receiver (434.15 MHz)

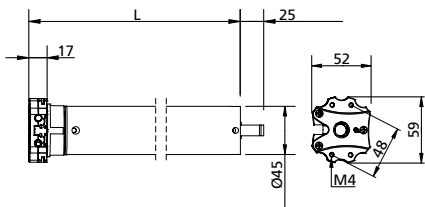


## TECHNICAL FEATURES

MODEL	LEX-RFE-TC30-230V	LEX-RFE-TC50-230V
CODE	27B288	27B289
Maximum load (Kg) - Value calculated with roller Ø 50 mm	55	95
Torque (Nm)	30	50
Speed (rpm)	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum electric power (W)	191	205
Rated current (A)	0.83	0.89
Length - L - (mm)	480	500
Protection degree (IP)	44	44

# LEX-RFO

Tubular motor Ø 45 mm for shutters with adjustable louvers. Electronic limit switch, encoder and built-in radio receiver (434.15 MHz)



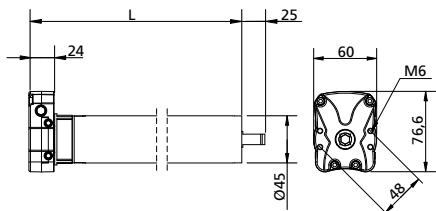
## TECHNICAL FEATURES

MODEL	LEX-RFO40-230V	LEX-RFO50-230V
CODE	27B277	27B278
Maximum load (Kg) - Value calculated with roller Ø 50 mm	80	95
Torque (Nm)	40	50
Speed (rpm)	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum electric power (W)	198	205
Rated current (A)	0.86	0.89
Length - L - (mm)	660	660
Protection degree (IP)	44	44



# LEX-H

Tubular motor Ø 45 mm with mechanical limit switch and manual override

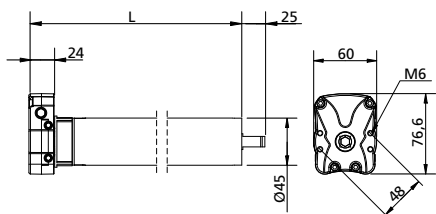


## TECHNICAL FEATURES

MODEL	LEX-H20-230V	LEX-H30-230V	LEX-H40-230V	LEX-H50-230V
CODE	27B304	27B305	27B306	27B307
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	520	590	590	660
Protection degree (IP)	44	44	44	44

# LEX-HRM

Tubular motor Ø 45 mm with mechanical limit switch, built-in radio receiver (434.15 MHz) and manual override



## TECHNICAL FEATURES

MODEL	LEX-RFE30-230V	LEX-RFE40-230V	LEX-RFE50-230V
CODE	27B308	27B309	27B310
Maximum load (Kg) - Value calculated with roller Ø 50 mm	55	80	95
Torque (Nm)	30	40	50
Speed (rpm)	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	191	198	205
Rated current (A)	0.83	0.86	0.89
Length - L - (mm)	769	769	769
Protection degree (IP)	44	44	44

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

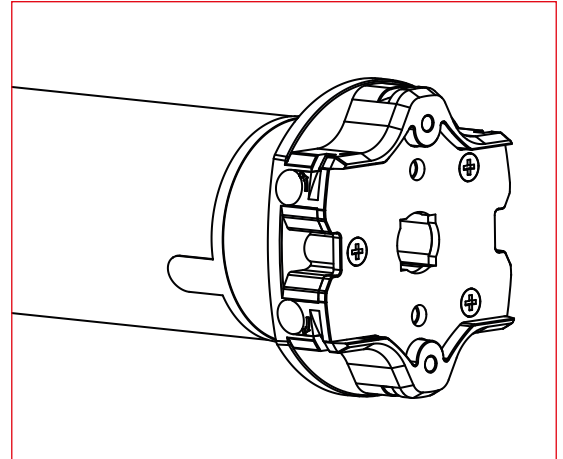
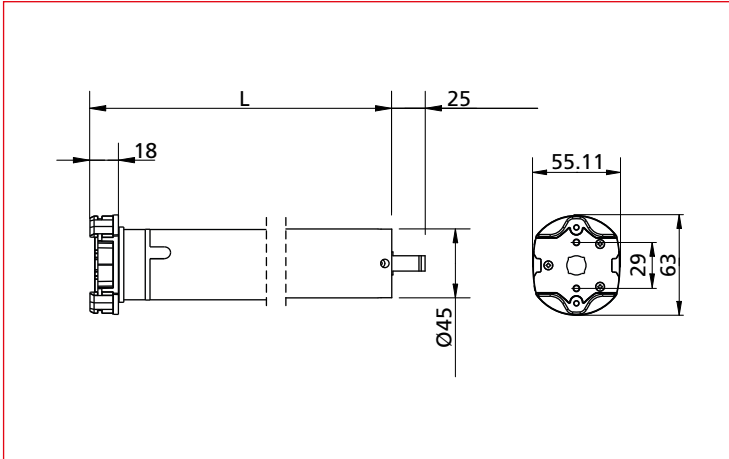
SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# Tubular gearmotors Ø 45 mm with COMPATIBLE head



## LEX-S

Tubular motor Ø 45 mm with mechanical limit switch



### TECHNICAL FEATURES

MODEL	LEX-S20-230V	LEX-S30-230V	LEX-S40-230V	LEX-S50-230V	LEX-S60-230V
CODE	27B320	27B321	27B322	27B323	27B332
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95	114
Torque (Nm)	20	30	40	50	60
Speed (rpm)	15	15	15	12	8
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205	208
Rated current (A)	0.64	0.83	0.86	0.89	0.89
Length - L - (mm)	450	480	500	500	510
Protection degree (IP)	44	44	44	44	44

# LEX-SRM

Tubular motor Ø 45 mm with mechanical limit switch and built-in radio receiver (434.15 MHz)



## TECHNICAL FEATURES

MODEL	LEX-SRM20-230V	LEX-SRM30-230V	LEX-SRM40-230V	LEX-SRM50-230V
CODE	27B324	27B325	27B326	27B327
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	660	660	660	660
Protection degree (IP)	44	44	44	44

# LEX-SRFE

Tubular motor Ø 45 mm with electronic limit switch, encoder and built-in radio receiver (434.15 MHz)



## TECHNICAL FEATURES

MODEL	LEX-SRFE20-230V	LEX-SRFE30-230V	LEX-SRFE40-230V	LEX-SRFE50-230V
CODE	27B328	27B329	27B330	27B331
Maximum load (Kg) - Value calculated with roller Ø 50 mm	35	55	80	95
Torque (Nm)	20	30	40	50
Speed (rpm)	15	15	15	12
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	145	191	198	205
Rated current (A)	0.64	0.83	0.86	0.89
Length - L - (mm)	550	660	660	660
Protection degree (IP)	44	44	44	44

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

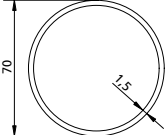
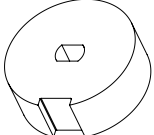
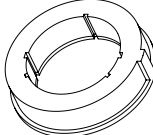
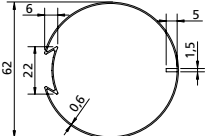

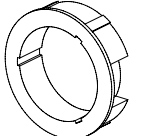
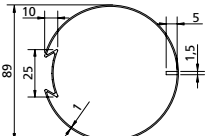
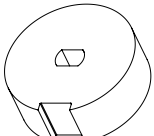
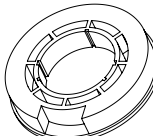
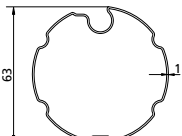
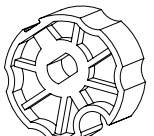
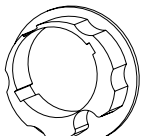
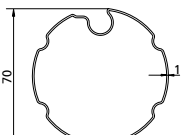
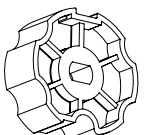
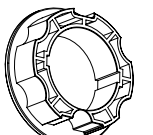
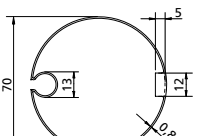
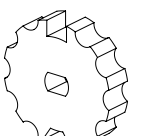
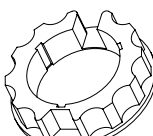
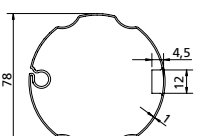
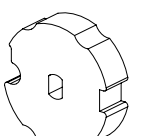
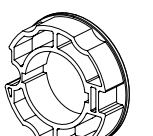
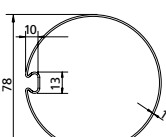
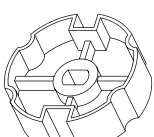
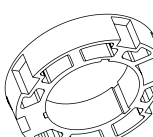
SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

TUBE		PULLEY		CROWN
OCTAGONAL Ø 52		COD. 162751 <b>PL</b>		COD. 162752 <b>PL</b>
OCTAGONAL Ø 57		COD. 162866 <b>PL</b>		COD. 162867 <b>PL</b>
OCTAGONAL Ø 60 x 0,5		COD. 163401 <b>PL</b>		COD. 163402 <b>PL</b>
OCTAGONAL Ø 60		COD. 162801 <b>PL</b>		COD. 162802 <b>PL</b>
OCTAGONAL Ø 70		COD. 162718 <b>MT</b>		COD. 162719 <b>PL</b>
STAR Ø 60		COD. 162716 <b>MT</b>		COD. 162715 <b>PL</b>
ZF54		COD. 162808 <b>PL</b>		COD. 162809 <b>PL</b>
ZF64		COD. 163424 <b>PL</b>		COD. 162891 <b>PL</b>
ZF80		COD. 162898 <b>PL</b>		COD. 162899 <b>PL</b>
ROUND Ø 60 x 1,5		COD. 162762 <b>PL</b>		COD. 162763 <b>PL</b>

TUBE		PULLEY		CROWN	
ROUND Ø 70 x 1,5		<b>COD. 162798</b>		<b>COD. 162799</b>	
		<b>PL</b>		<b>PL</b>	
DEPRAT Ø 62		<b>COD. 162767</b>		<b>COD. 162862</b>	
		<b>PL</b>		<b>PL</b>	
DEPRAT Ø 89		<b>COD. 162806</b>		<b>COD. 162807</b>	
		<b>MT</b>		<b>PL</b>	
ROLLERBAT NOTCH Ø 63		<b>COD. 163413</b>		<b>COD. 163414</b>	
		<b>MT</b>		<b>PL</b>	
ROLLERBAT NOTCH Ø 70		<b>COD. 163415</b>		<b>COD. 163416</b>	
		<b>MT</b>		<b>PL</b>	
NOTCH Ø 70		<b>COD. 163404</b>		<b>COD. 162721</b>	
		<b>MT</b>		<b>PL</b>	
ROLLERBAT NOTCH Ø 78		<b>COD. 163405</b>		<b>COD. 163406</b>	
		<b>MT</b>		<b>PL</b>	
FLAT NOTCH Ø 78		<b>COD. 162758</b>		<b>COD. 162759</b>	
		<b>PL</b>		<b>PL</b>	

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

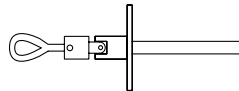
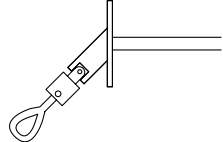
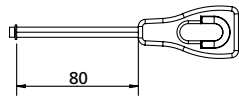
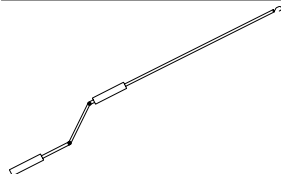


ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS



ACCESSORIES	DESCRIPTION	CODE
	Rapid fixing bracket (max. 20 Nm) (for motor LEX, LEX-RM, LEX-FE, LEX-RFE)	<b>163418</b>
	Rapid fixing bracket (max. 50 Nm) (for motor LEX, LEX-RM, LEX-FE, LEX-RFE)	<b>163419</b>
	Quick connector bracket (max. 50 Nm) (for LEX-S, LEX-SRM, LEX-SRFE motors)	<b>163452</b>
	Square pin bracket (for motor LEX, LEX-RM, LEX-FE, LEX-RFE)	<b>163417</b>
	Wall bearing 10 x 10 mm (max. 30 Nm)	<b>162728</b>
	Wall bearing 10 x 10 mm (max. 30 Nm)	<b>162847</b>
	Wall bearing 10 x 10 mm (max. 50 Nm)	<b>162829</b>
	Vertical adjustable bearing 10 x 10 mm	<b>163433</b>
	Vertical adjustable bearing with slot 10 x 10 mm	<b>162822</b>
	Square plate bearing 10 x 10 mm	<b>162764</b>

ACCESSORIES	DESCRIPTION	CODE
	45° joint hexagon 7  <b>MT</b>	<b>162823</b>
	90° joint hexagon 7  <b>MT</b>	<b>162824</b>
	Eyelet 80 mm hexagon 7  <b>MT</b>	<b>162825</b>
	Jointed bar (1800 mm)  <b>MT</b>	<b>162736</b>
	Box with double self-locking push button  <b>MT</b>	<b>162886</b>
	Box with double spring release push button  <b>MT</b>	<b>162887</b>

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

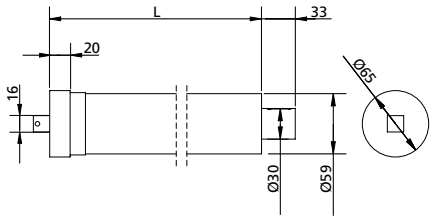
ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

# ROLL

Tubular motor Ø 59 mm with mechanical limit switch

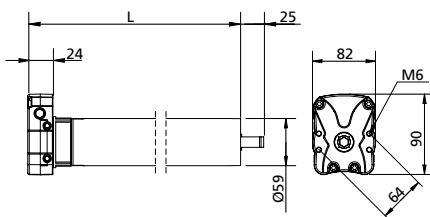


## TECHNICAL FEATURES

MODEL	ROLL80-230V	ROLL100-230V	ROLL140-230V
CODE	27C035	27C036	27C039
Maximum load (Kg) - Value calculated with roller Ø 70 mm	125	165	230
Torque (Nm)	80	100	140
Speed (rpm)	15	12	7
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	330	345	385
Rated current (A)	1.43	1.54	1.54
Length - L - (mm)	620	620	620
Protection degree (IP)	44	44	44

# HAND-ROLL

Tubular motor Ø 59 mm with mechanical limit switch and manual override



## TECHNICAL FEATURES

MODEL	HANDROLL80-230V	HANDROLL100-230V	HANDROLL140-230V
CODE	27C037	27C038	27C040
Maximum load (Kg) - Value calculated with roller Ø 70 mm	125	165	230
Torque (Nm)	80	100	140
Speed (rpm)	15	12	7
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	330	345	385
Rated current (A)	1.43	1.54	1.54
Length - L - (mm)	620	620	620
Protection degree (IP)	44	44	44

TUBE		PULLEY		CROWN	
OCTAGONAL Ø 70		<b>COD. 162726</b>		<b>COD. 162727</b>	
		<b>MT</b>		<b>PL</b>	
ROUND Ø 70		<b>COD. 162864</b>		<b>COD. 162865</b>	
		<b>PL</b>		<b>PL</b>	
ROUND Ø 80		<b>COD. 162746</b>		<b>COD. 162747</b>	
		<b>PL</b>			
ROUND Ø 100 x 3,5		<b>COD. 162859</b>		<b>COD. 162858</b>	
		<b>MT</b>		<b>PL</b>	
ROUND Ø 103		<b>COD. 162775</b>		<b>COD. 162774</b>	
		<b>MT</b>		<b>PL</b>	
FLAT NOTCH Ø 78		<b>COD. 162861</b>		<b>COD. 162860</b>	
		<b>MT</b>		<b>PL</b>	
NOTCH Ø 78 BAT		<b>COD. 162784</b>		<b>COD. 162785</b>	
		<b>PL</b>			
NOTCH Ø 85		<b>COD. 162894</b>		<b>COD. 162893</b>	
		<b>MT</b>		<b>PL</b>	
DEPRAT Ø 89		<b>COD. 163407</b>		<b>COD. 163408</b>	
		<b>PL</b>		<b>PL</b>	

MOTORS FOR  
SLIDING GATES

MOTORS FOR  
SWING GATES

MOTORS FOR GARAGE  
DOORS AND ROLLING  
SHUTTERS

MOTORS FOR  
BARRIERS

CONTROL  
UNITS

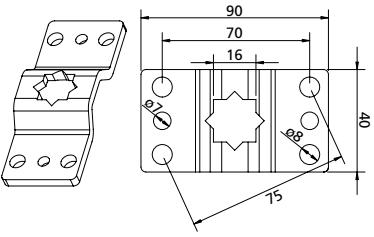
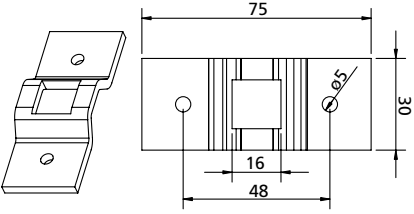
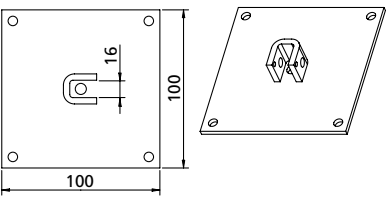
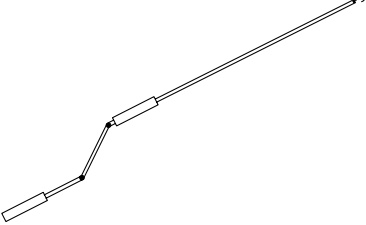


TRANSMITTERS  
AND RECEIVERS

SECURITY DEVICES  
AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR  
TUBULAR MOTORS

ACCESSORIES	DESCRIPTION	CODE
	<p>Wall bearing 16 x 16 mm</p> <p><b>162731</b></p> <p><b>MT</b></p>	
	<p>Wall bearing 16 x 16 mm</p> <p><b>162819</b></p> <p><b>MT</b></p>	
	<p>Square plate bearing 16 x 16 mm</p> <p><b>162734</b></p> <p><b>MT</b></p>	
	<p>Jointed bar (1800 mm)</p> <p><b>162736</b></p> <p><b>MT</b></p>	
	<p>Box with double self-locking push button</p> <p><b>162886</b></p>	
	<p>Box with double spring release push button</p> <p><b>162887</b></p>	



ACCESSORIES	DESCRIPTION	CODE
	Parachute 70 Nm with 7 metres of cable	<b>163439</b>
		
	Parachute 140 Nm with 7 metres of cable	<b>163440</b>

	Parachute 140 Nm with 7 meters of cable Support included	<b>163441</b>
		

CODE	HEIGHT	TUBE DIAMETER														
		Ø60 x 2.6			Ø70 x 2.9			Ø76.1 x 2.9			Ø82.5 x 3.2			Ø89.9 x 3.2		
		WIDTH														
		1.5	2	2.5	1.5	2	2.5	1.5	2	2.5	1.5	2	2.5	1.5	2	2.5
<b>163439</b>	1.5	151	107	95	141	137	136	129	129	129	120	120	120			
	2	134	107	95	125	125	125	119	119	118	112	112	112			
	2.5	127	107	95	120	120	118	119	119	118	112	112	112			
<b>163440</b>	1.5										286	222	222	264	263	263
	2										286	222	222	252	252	252
	2.5										286	222	222	252	252	252
<b>163441</b>	1.5											260	170		250	205
	2											220	170		211	205
	2.5											190	170		182	182

CODE	HEIGHT	TUBE DIAMETER														
		Ø101.6 x 3.6			Ø108 x 306			Ø114.3 x 3.6			Ø121 x 4			Ø127 x 4		
		WIDTH														
		2.5	4	6	2.5	4	6	2.5	4	6	2.5	4	6	2.5	4	6
<b>163439</b>	1.5															
	2															
	2.5															
<b>163440</b>	1.5						214						189			
	2						214						189			
	2.5						214						189			
<b>163441</b>	1.5	223	218	140	210	208	160	198	195	181	186	183	182	176	171	170
	2	199	198	140	189	188	160	184	184	180	175	172	170	167	165	162
	2.5	175	174	140	169	168	160	166	166	163	160	157	157	153	151	148

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

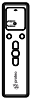












TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS



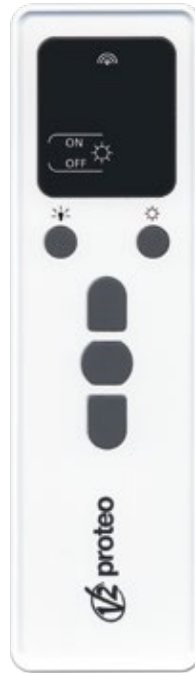


# INDEX OF PRODUCTS

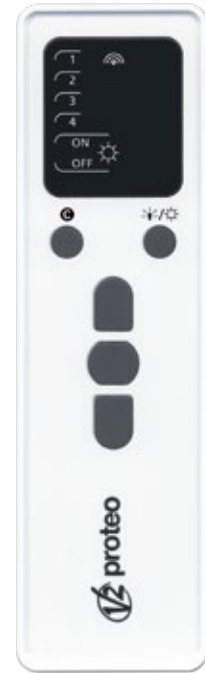
<b>Transmitters</b>	144	<b>PROTEO</b>		MOTORS FOR SLIDING GATES
	146	<b>LOKI</b>		MOTORS FOR SWING GATES
	147	<b>ARTEMIS</b>		MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS
<b>Miniaturized control modules</b>	148	<b>DEV</b>		MOTORS FOR BARRIERS
<b>Control units</b>	150	<b>CU1</b>		MOTORS FOR BARRIERS
	150	<b>CU3 - CU4 - CU5</b>		MOTORS FOR BARRIERS
	151	<b>PRG2</b>		MOTORS FOR BARRIERS
	151	<b>PRG3</b>		MOTORS FOR BARRIERS
<b>Sensors</b>	152	<b>SYROCO</b>		CONTROL UNITS
	152	<b>MISTRAL</b>		TRANSmitters AND RECEIVERS
	152	<b>HURRICANE</b>		SECURITY DEVICES AND ACCESSORIES
	153	<b>HURRICANE-RS</b>		SECURITY DEVICES AND ACCESSORIES
	153	<b>TYPHOON</b>		SECURITY DEVICES AND ACCESSORIES

# PROTEO

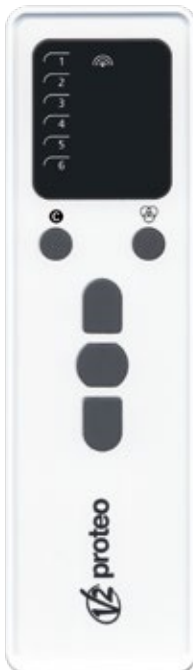
434.15 MHz transmitter for awnings and shutters



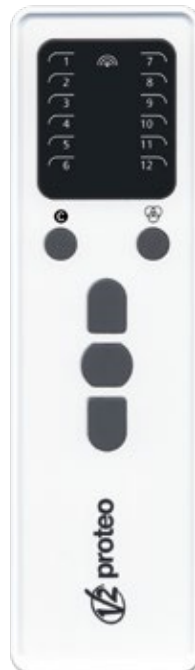
**PROTEO1**  
1 channel transmitter, ON/OFF sun button, button for the management of a courtesy light



**PROTEO4**  
4-channel transmitter, ON/OFF sun button and courtesy light



**PROTEO6**  
6-channel transmitter, ON/OFF sun function, group function



**PROTEO12**  
12-channel transmitter, ON/OFF sun function, group function



**PROTEO12-D**  
12-channel transmitter with display, event programming and automatic operation

- Available in models with 1, 4, 6, 12 channels to control one or more automated systems simultaneously
- Multiple group function to program up to 8 automation groups
- Possibility to activate/deactivate the sun sensor on remote control units and motors with built-in control unit
- Button dedicated to controlling a courtesy light via the control unit CU5 or DEV-R2 module (only for PROTEO1 and PROTEO4 models)
- Built-in dip-switch to program the functions of SCREEN control units and tubular motors with built-in control unit
- Convenient wall mount supplied
- Model with display (PROTEO12-D) with advanced features:
  - possibility of programming up to 5 events per day
  - automatic or manual operating mode



**TECHNICAL FEATURES**

MODEL	PROTEO1	PROTEO4	PROTEO6	PROTEO12	PROTEO12-D
CODE	10T040	10T041	10T042	10T043	10T044
Channels	1	4	6	12	12
Frequency (MHz)	434.15				
Range in open field (m)	300				
Power supply (battery type)	1 x Lithium 3V (CR2032)				
Max. absorption (mA)	< 15				
Dimensions (mm)	160 x 45 x 14				

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# LOKI

## 434.15 MHz transmitter for awnings and shutters



**LOKI1**  
1-channel transmitter



**LOKI2**  
2-channel transmitter



**LOKI4**  
4-channel transmitter,  
global function

- Available in 1, 2, 4 channel models to control one or more automations simultaneously
- Global function to simultaneously transmit the command to all 4 channels (LOKI4 only)
- LED to program the functions of the SCREEN and the tubular motors with built-in control unit
- Practical eyelet for transmitter fastening to a keyring
- Convenient wall support supplied which can be fastened using adhesive (included) or prepared for wall mounting using a screw



### TECHNICAL FEATURES

MODEL	LOKI1	LOKI2	LOKI4
CODE	10T062	10T063	10T064
Channels	1	2	4
Frequency (MHz)	434.15		
Range in open field (m)	300		
Power supply (battery type)	1 x Lithium 3V (CR2032)		
Max. absorption (mA)	< 25		
Dimensions (mm)	38 x 92 x 12		



# ARTEMIS

Wall-mounted 434.15 MHz transmitter for awnings and shutters



**ARTEMIS1**  
1-channel wall-mounted transmitter



**ARTEMIS2**  
2-channel wall-mounted transmitter



**ARTEMIS6**  
6-channel wall-mounted transmitter, ON/OFF sun button

- The transmitters in the ARTEMIS series can be used as simple table or wall transmitters using the plate accessory code 163444.
- The plate is equipped with an internal magnet that guarantees transmitter coupling.
- Available in 1, 2, 6 channel models to control one or more automations simultaneously.
- Possibility of enabling / disabling the sun sensor on the remote control units and on the motors of the integrated control unit (ARTEMIS6)



## TECHNICAL FEATURES

MODEL	ARTEMIS1	ARTEMIS2	ARTEMIS6
CODE	10K025	10K026	10K027
Channels	1	2	6
Frequency (MHz)	434.15		
Range in open field (m)	300		
Power supply (battery type)	1 x Lithium 3V (CR2032)		
Max. absorption (mA)	< 25		
Dimensions (mm)	49 x 53 x 13		

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

TRANSMITTERS AND RECEIVERS

SECURITY DEVICES AND ACCESSORIES

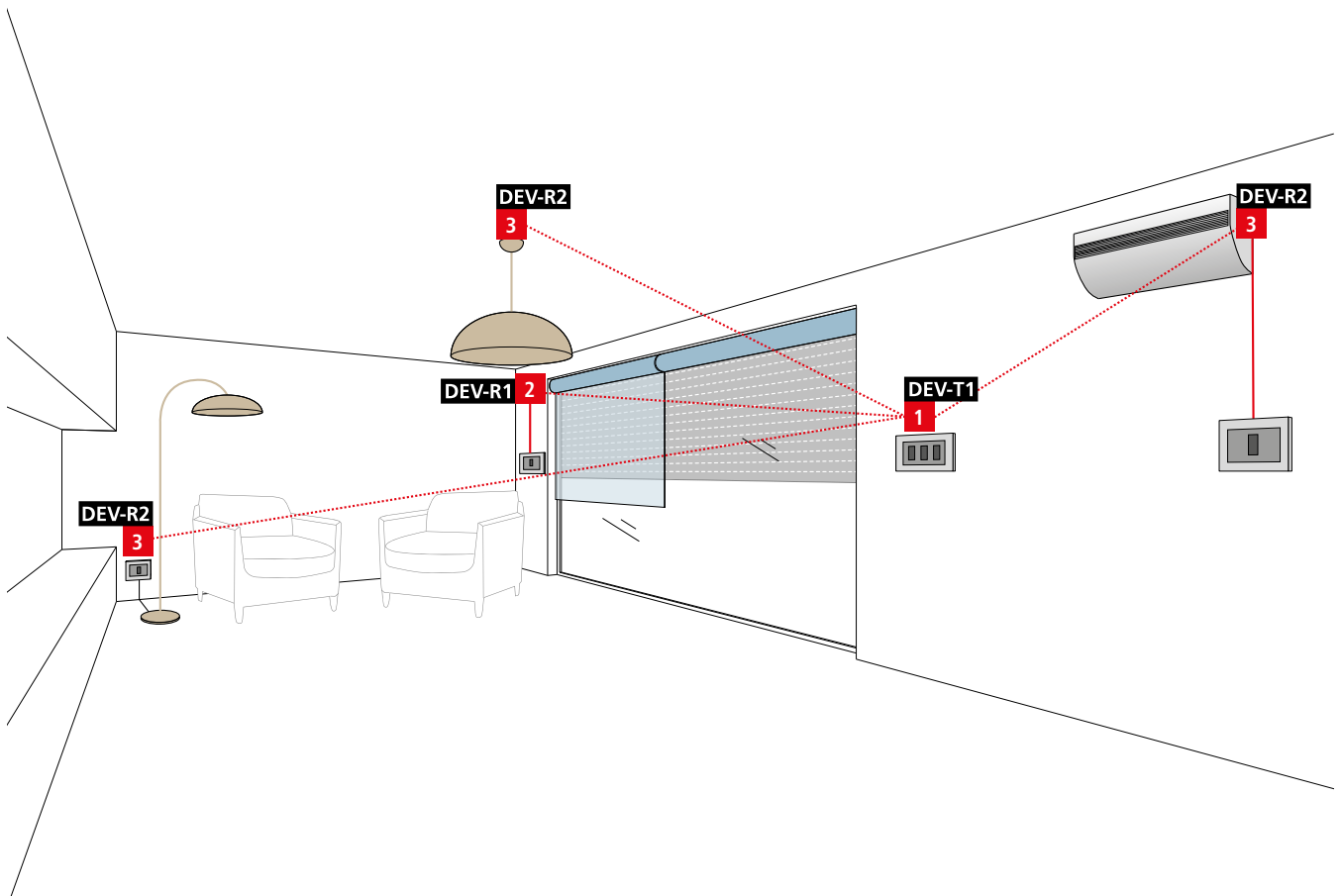
ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# DEV

## Built-in miniature control modules



- 230V
- on/off



- 230V
- IRI
- on/off
- temperature



- 230V
- IRI

**DEV-T1**  
Built-in miniature transmitter powered from the mains

**DEV-R1**  
Built-in miniature receiver for controlling a single-phase asynchronous motor

**DEV-R2**  
Built-in miniature receiver for controlling a load up to 500W

- Ideal for controlling devices not directly accessible via cable
- Built-in installation inside of regular electrical boxes
- Power supply with extended range (85 ÷ 260 Vac - 50/60 Hz)
- Very low power consumption in stand-by

**DEV-T1**

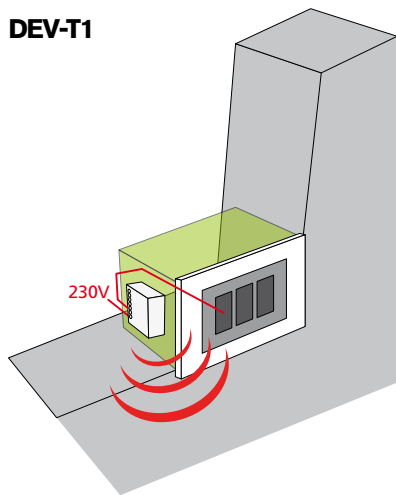
- 4 wired inputs for N.O. buttons
- 4 channels for separate management of 4 devices

**DEV-R1**

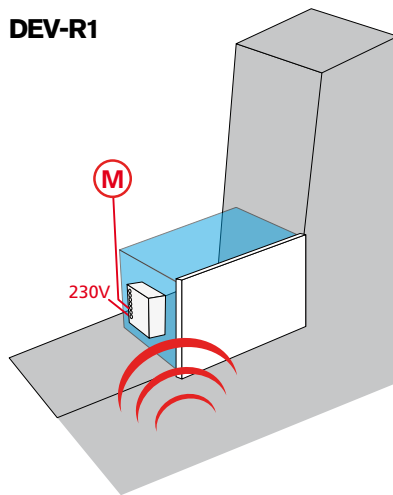
- 434.15 MHz radio receiver with integrated antenna
- Compatible with PROTEO, LOKI, ARTEMIS and DEV-T1 series transmitters
- Memory able to handle up to 30 radio channels
- Two wired inputs: up and down
- Integrated button for programming operations

- Wireless programming via a stored remote control
- Wireless management of HURRICANE-RS and TYPHOON series weather sensors dev-r2
- 434.15 MHz radio receiver with integrated antenna
- Compatible with PROTEO, LOKI, ARTEMIS and DEV-T1 series transmitters
- Memory able to handle up to 30 radio channels
- Two wired inputs
- Programming via integrated push button or PROTEO transmitters
- Wireless programming via a stored remote control
- Relay output with no-voltage contacts for loads of up to 500W

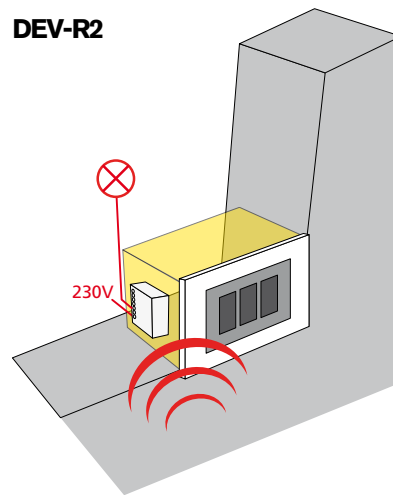
**DEV-T1**



**DEV-R1**



**DEV-R2**



**TECHNICAL FEATURES**

MODEL	DEV-T1	DEV-R1	DEV-R2
CODE	10K024	12E107	11D023
Power supply (Vac - Hz)	85 - 260 / 50 - 60	85 - 260 / 50 - 60	85 - 260 / 50 - 60
Frequency (MHz)	434.15	434.15	434.15
Absorption in stand-by (mA)	0.15	0.25	0.25
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Maximum operating time (s)	120	120	-
Dimensions (mm)	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

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SECURITY DEVICES AND ACCESSORIES

ELECTRONIC KITS

TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# CU1



External control unit for the automation of awnings or rolling shutters.

Built-in receiver (434.15 MHz)



- OPEN/STOP/CLOSE/STOP button input
- Input for MISTRAL/HURRICANE sensors
- WIND, SUN, TEMPERATURE sensors adjustable by transmitter
- Built-in 434.15 MHz receiver
- Possibility to store up to 30 transmitters

# CU3 - CU4 - CU5



External control unit for the automation of awnings or rolling shutters



- Independent inputs for UP/DOWN push buttons or OPEN/STOP/CLOSE/STOP push button
- Input for MISTRAL/HURRICANE sensors
- WIND, SUN, TEMPERATURE sensor levels adjustable by transmitter or directly on the control unit
- Management of closure input with control arriving from burglar alarm control unit
- Plug-in radio receiver (optional) at the frequency of 434.15 MHz

- Possibility to store up to 30 transmitters

**CU3:** Output for 1 motor

**CU4:** Output for 2 motors, independent or synchronized on the same axis

**CU5:** Output for 1 motor  
Output for light control, with power up to 500 W

## TECHNICAL FEATURES

MODEL	CU1	CU3	CU4	CU5
CODE	12E033	12E058	12E059	12E060
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum load (W)	700	500	2 x 500	500 + 500 (motor + light)
Protection degree (IP)	55	55	55	55
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	127 x 41 x 24	142 x 120 x 42	142 x 120 x 42	142 x 120 x 42

# PRG2

230V

## Expansion board for 2 motors (single control)



- Possibility of controlling 2 actuators using a single control unit or a deflector.
- Possibility of individually controlling the two motors on opening and closure by connecting two buttons on the specific outputs P1 and P2.
- 2 relay outputs capable of controlling loads up to 1500W for each output

# PRG3

230V

## Expansion board for 3 motors (multiple control)



- Possibility of controlling 3 actuators using a single control unit or a deflector.
- 3 relay outputs capable of controlling loads up to 1000W for each output

MODEL	PRG2	PRG3
CODE	12G013	12G008
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum load (W)	2 x 1500	3 x 1000
Protection degree (IP)	55	55
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	127 x 41 x 24	113 x 113 x 57

MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

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TUBULAR MOTORS

ELECTRONICS FOR TUBULAR MOTORS

# SYROCO-RS

Anemometer vibration sensor via radio (434.15 MHz)

## TECHNICAL FEATURES

MODEL	SYROCO-RS
CODE	18A026
Power supply (Vac - Hz)	2 x alkaline AAA
Frequency (MHz)	434.15
Protection degree (IP)	55
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	154 x 32 x 25



# MISTRAL

Anemometer (cable signal)

## TECHNICAL FEATURES

MODEL	MISTRAL
CODE	18A009
Power supply (Vac - Hz)	230 - 50
Protection degree (IP)	44
Working temperature (°C)	-20 ÷ +60



# HURRICANE

Anemometer with sun and temperature sensor (cable signal)

## TECHNICAL FEATURES

MODEL	HURRICANE
CODE	18A010
Power supply (Vac - Hz)	230 - 50
Absorbed power (W)	3,5
Protection degree (IP)	44
Working temperature (°C)	-20 ÷ +60





# HURRICANE-RS

Anemometer with sun and temperature sensor (WIRELESS)

## TECHNICAL FEATURES

MODEL	HURRICANE-RS
CODE	18A011
Power supply (Vac - Hz)	230 - 50
Absorbed power (W)	3.5
Frequency (MHz)	434.15
Protection degree (IP)	44
Working temperature (°C)	-20 ÷ +60



# TYPHOON

Anemometer with sun and temperature sensor (WIRELESS and power supply by solar cells)

## TECHNICAL FEATURES

MODEL	TYPHOON
CODE	18A015
Frequency (MHz)	434.15
Protection degree (IP)	44
Working temperature (°C)	-20 ÷ +60



MOTORS FOR SLIDING GATES

MOTORS FOR SWING GATES

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS

MOTORS FOR BARRIERS

CONTROL UNITS

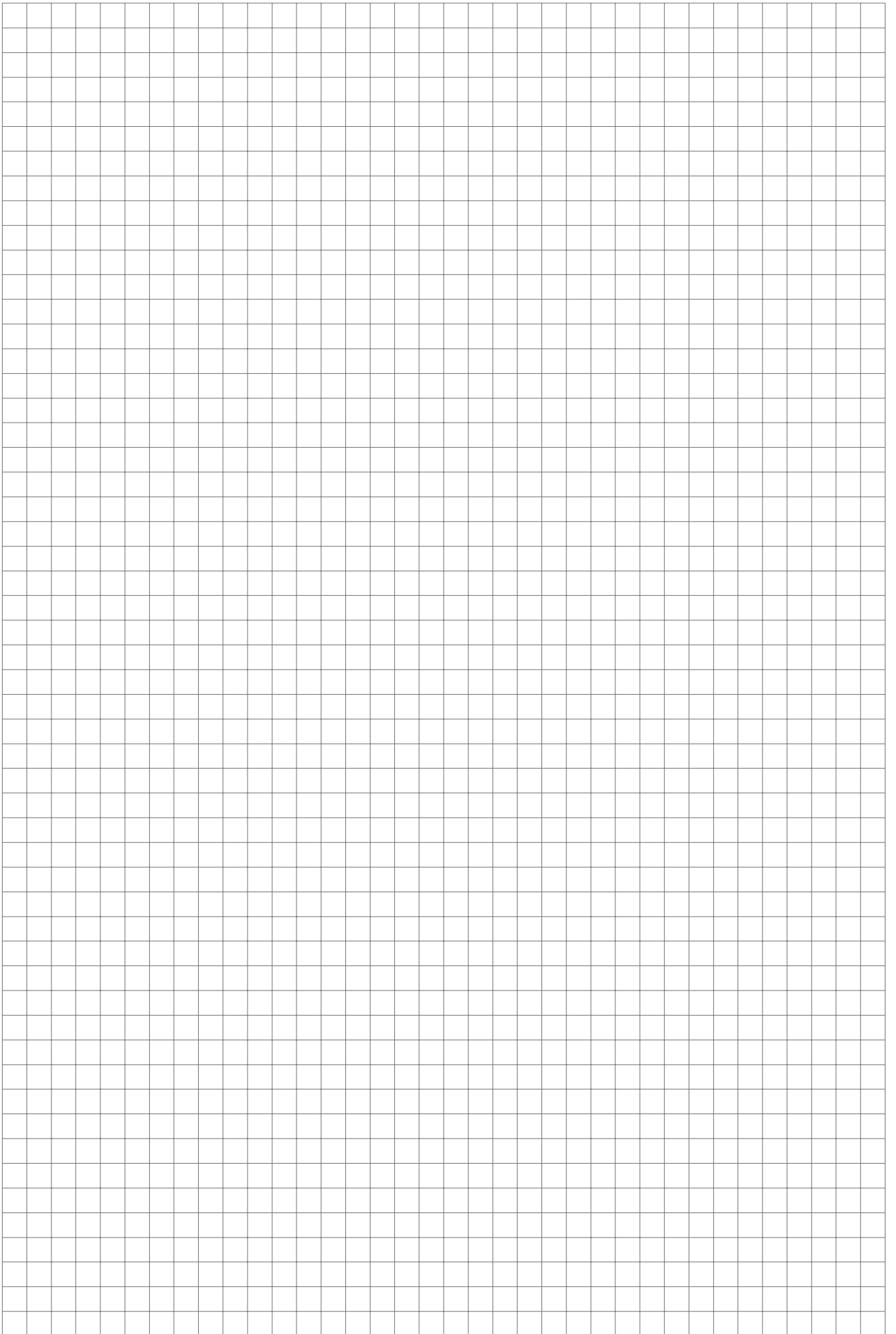
TRANSMITTERS AND RECEIVERS

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ELECTRONICS FOR TUBULAR MOTORS



# V2 WORLD



## **ITALY**

### **V2 S.p.A.**

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Fax. +39 0172 84050  
info@v2home.com

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2435-087 CAXARIAS  
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Fax +351 249 571 512  
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Fax + 212 522 861514  
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## **TUNISIE**



























### **V2 TUNISIE SARL**


















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### **V2 HOME AUTOMATION ALBANIA SHPK**

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Godina Usluga  
1001 TIRANA  
Tel +355 44521770  
albania@v2home.com

<b>GATE</b>	
	Sliding door
	Swing door
	Roller shutter and screen
	Traffic light output
 	Control unit power supply voltage
  	Motor power supply
	Built-in inverter
	Built-in receiver
	Connector for modular receiver
	Output for flashing light without intermittence
	Output for flashing light with intermittence
	Interface for connecting ADI modules
	Control unit set up for LUX2+ module connection
	Control unit set up for CL1+ module connection
	Control unit suitable for operation with the WES accessory
	Control unit set up for WES-ADI module connection
	Control unit set up for WES-EASY module connection
	Control unit set up for EASY-PULSE
	Control unit set up for SYNCRO module connection
	Control unit suitable for operation with the backup battery module
	Compatible with the ECO-LOGIC system
	Control unit designed for connection to Bluetooth module and control via <b>V2app</b>
	Control unit prepared for connection to the KNX network via the <b>V2KNX-01</b> module

<b>SCREEN</b>	
	Power supply
	Solar powered
	Mechanical limit switch
	Electronic limit switch
	Encoder
	Manual override
	Built-in receiver
	Connector for modular receiver
	Sun sensor on/off
	Courtesy light on/off
	Multiple groups
	Automatic or manual operation
	Sun sensor input
	Wind sensor input
	Temperature sensor input
	Plastic
	Metal

