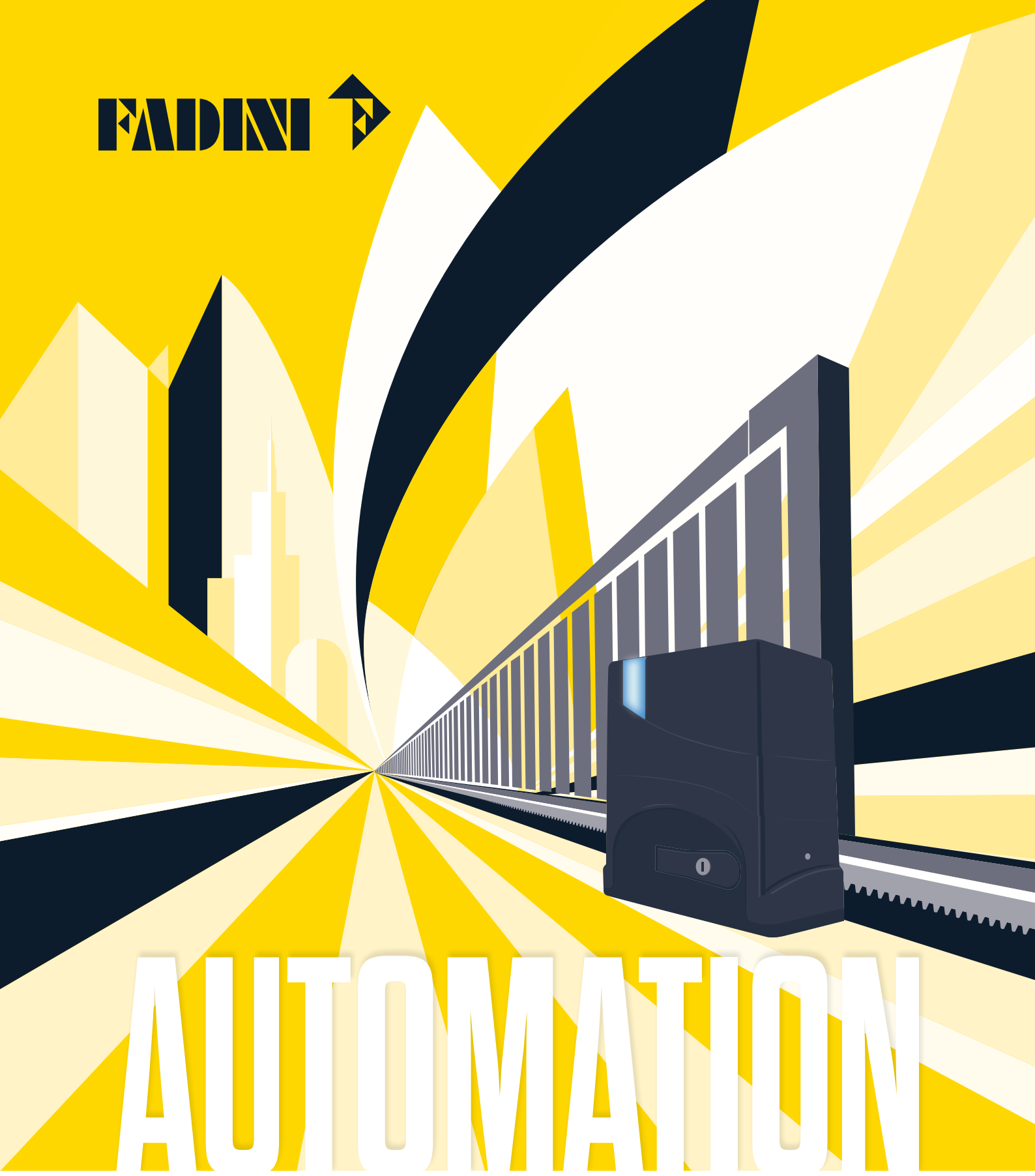
FADINI



# AUTOMATION

## GATES | DOORS | BARRIERS

**CATALOGUE**
AUTOMATIC SYSTEMS FOR GATES, GARAGE DOORS,
INDUSTRIAL DOORS AND AUTOMATIC BARRIERS

.26

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# OUR HISTORY

Since 1967, over 50 years of innovation and reliability.





# WHERE IT ALL BEGAN

In the early 1960s, the Po Valley stretched out like a sea of orderly fields, crossed by dirt roads and rows of tall poplar trees standing against a sky often veiled in haze. Farmhouses, with their low roofs and gravel courtyards, were the beating heart of an agricultural world still tied to the rhythms of the land.

Tractors were beginning to replace oxen in the fields, while in artisan workshops the first mechanical innovations were taking shape—destined to transform the face of Italian industry.
It was a time of energy and change, where craftsmanship merged with emerging technology, laying the foundations for a future of growth and progress.

Three brothers, busy repairing a combine harvester, their hands covered in oil and the sun beating down on the countryside: Luigi, Gaetano and Carlo Fadini were not just mechanics, but men with a vision. Their company handled the maintenance of agricultural machinery for one of the largest businesses in the area—and it was precisely there that their story began.

Every day they faced new challenges, constantly developing ideas to improve the machines they worked on.
It was from observing work in the fields that their first insight emerged: hydraulic platforms for fruit harvesting. Workers still climbed trees, risking accidents and wasting valuable time. A solution was needed.

In 1966, after nights spent designing, experimenting and testing, the first model was born: the CIGNO machine. An innovative hydraulic platform capable of lifting safely and moving easily between orchard rows, revolutionizing field work. Its success was immediate, both in Italy and abroad, and the brothers realized their path was mechanical innovation.
**In 1967, Meccanica Fadini was born.**

meccanica FADINI

One day, the owner of one of the largest agricultural companies in the area approached them with an unusual request. At the entrance stood a large sliding gate, heavy and difficult to move manually.
*"Can you do something to automate it?"* he asked, somewhat skeptically.

That question sparked something.
Luigi, Gaetano and Carlo got to work, designing a system capable of moving the gate efficiently and reliably.

It was an exciting challenge: drawing on their experience in agricultural machinery, mechanics and hydraulic systems, after a few weeks of testing they presented their first automation for sliding gates.











# L'APRICANCELLO

In the early 1980s, while Italy was taking its first steps toward home automation, Meccanica Fadini launched a slogan that would become iconic: L'APRICANCELLO. Just two simple, direct words, able to summarize a revolutionary idea: transforming a daily action—opening a gate—into a convenient, safe and fully automated operation.

This marketing insight was more than a slogan; it was the promise of a new lifestyle, where the gate ceased to be an obstacle and became a symbol of modern welcome.
With L'APRICANCELLO, FADINI introduced a language based on functionality, precision mechanical design and continuous research, laying the foundation for an entire industrial sector.

Today, more than forty years later, the same drive for innovation fuels our company: from the first hydraulic operators to modern automatic barriers, every FADINI product carries that pioneering spirit.
L'APRICANCELLO is more than just a memory, it is the common thread that connects our history with a vision of the future, where comfort, security and technology continue to come together at the entrance of your home. It is no coincidence that the iconic "L'APRICANCELLO" logo still stands proudly on the 20-metre tower sign at the entrance to our headquarters, symbolizing the value of that original vision and continuing to inspire our journey of innovation.









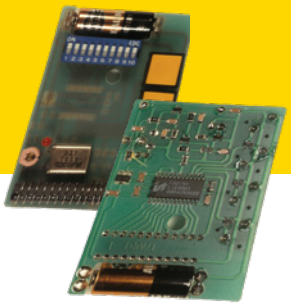






MEC 80 MEC 85 LAPI 2







# 1985 FADINI ELECTRONICS

## Beyond Mechanics: FADINI Electronics

Since the mid-1980s, we have integrated electronic technology into our production processes, manufacturing transmitters, photocells, flashing lights and control boards entirely in-house at our Vicenza facility. Our SMT production line (Surface-Mount Technology) assembles and tests every component with the same level of care and precision we dedicate to our mechanical products, ensuring outstanding performance and reliability within a fully integrated FADINI ecosystem. From design and development to final testing, every stage takes place under one roof. This seamless synergy enables us to deliver complete, perfectly integrated and continuously innovative automation solutions.





# PIONEERS BOLLARDS | 1991

STRADA 918





## Pioneers in automatic bollards: from the first installation in 1991 to a range of over 70 models

In 1991, FADINI filed one of the first Italian patents for automatic hydraulic bollards. At a time when the industry was still in its infancy, we designed and developed the prototype shown above: a robust retractable bollard, operated by a hydraulic system and activated with the push of a button.

Today, that pioneering idea has evolved into a comprehensive range of more than 70 models, including automatic, semi-automatic, removable and fixed bollards. The range also features anti-terrorism models, crash-tested and certified in accordance with major European and international standards (K4 and K12), as well as a model approved by the Italian Ministry of Transport for installation in public areas.

From private residences and historic city centres to critical infrastructures, FADINI bollards combine elegant design, hydraulic reliability and integrated electronics to ensure maximum security and smooth traffic flow. Continuous innovation, Made in Italy quality and over 30 years of experience are the DNA of FADINI bollards.

## The JUNIOR Series: technology, safety and reliability for sliding gates since 2010

The JUNIOR series was introduced in 2010 as a reliable solution for residential sliding gate automation, combining easy installation, robustness and safe performance.

Over the years, the JUNIOR brand has strengthened its position on the market thanks to a design focused on ease of use, operational safety and compliance with European standards.

JUNIOR models feature oil-bath gear motors, available in 24 Vdc and 230 Vac versions, with encoder and intuitive programming.



# 2010 | JUNIOR PRECISION



## J.XP 24 Vdc: the new evolution of the range

In 2025, the range underwent a major evolution with the introduction of the new J.XP 24 Vdc model, featuring an anthracite grey protective cover and designed to operate sliding gates weighing up to 600 kg.

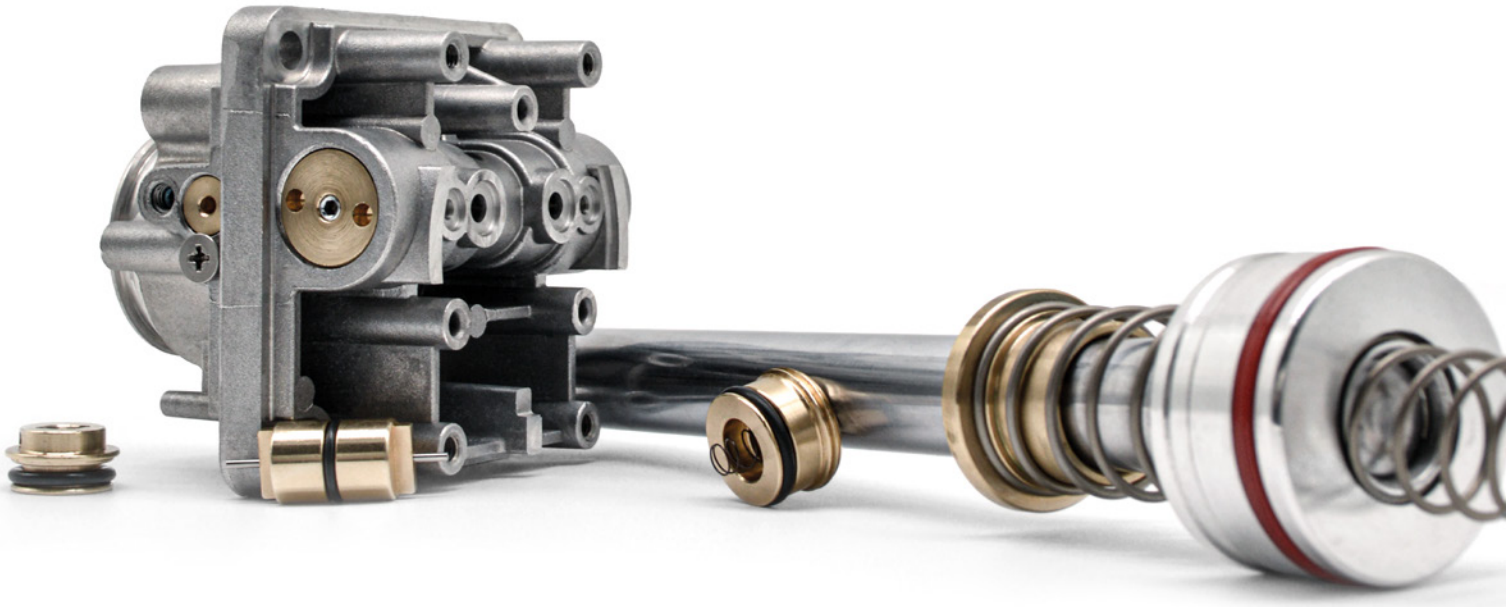
# OIL-HYDRAULIC TECHNOLOGY

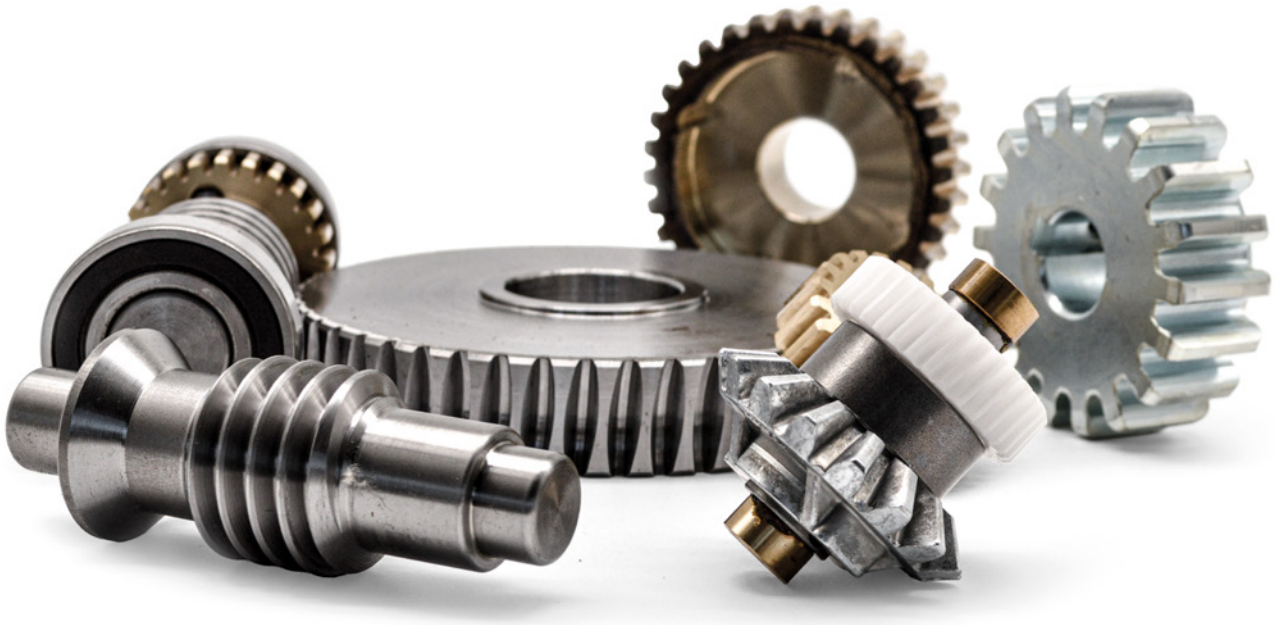
## When power meets precision

Designed for professional applications, FADINI oil-hydraulic operators ensure high standards of quality and performance.

- **Exceptional durability:** life cycles up to four times longer than electromechanical motors in the same class.
- **Concentrated power:** compact cylinders delivering double thrust, ideal where space is limited.
- **Resistance to extreme environments:** dust, sand, salt air and 24/7 operation do not compromise performance or reliability.
- **Integrated mechanical safety:** by-pass and locking valves regulate pressure and protect the system from impacts and overloads.
- **Easy maintenance:** components designed for quick disassembly and repair.
- **Smooth and quiet operation:** hydraulic oil reduces friction and vibration, ensuring smooth and consistent movement.
- **Reversibility options:** versions with locking in one or two directions to meet different installation needs, plus the EVO valve, which allows the hydraulic locking mode to be set directly on the operator:
  **N** reversible non locking | **A** locking in open gate position
  **B** locking in closed gate position | **BB** bidirectional hydraulic locking device.









## Oil-hydraulic or electromechanical, the identity is: FADINI.

Innovation, craftsmanship and fully Italian production at the service of your safety.



# ELECTROMECHANICAL TECHNOLOGY

### Compact and efficient solution

Alongside its oil-hydraulic range, FADINI offers a range of electromechanical motors developed to provide reliable application solutions.

- **Cost-effective:** without compromising on Italian quality.
- **Simple architecture:** mechanical transmission, quick installation and wide availability of spare parts.
- **Wide versatility:** solutions designed for residential and collective applications.
- **Proven know-how:** design, software and testing in a single production hub, supported by specialized technicians.

## Professional solutions for automation and security

At FADINI, we design and manufacture **automation systems for gates, garage doors, industrial doors and automatic barriers.**
Our range also includes a wide selection of **retractable bollards:** automatic oil-hydraulic, semi-automatic, removable and fixed.

Our main production plant is dedicated to mechanical manufacturing, while two additional production sites in the province of Vicenza specialize in the **design and production of control electronics and safety systems**, entirely developed in Italy.



## Automation specialists. Solutions for every need

FADINI is the ideal partner for those looking for **reliability, quality and long-lasting performance**, in every application.

- **Residential:** we offer robust and quiet automation systems, designed to ensure maximum comfort and safety in private settings.
- **Collective and condominium applications:** we provide advanced technologies designed for intensive and continuous use, reducing component wear and ensuring a long service life for the systems.
- **Industrial:** we offer powerful, high-performance solutions, including gear motors for large sliding gates, oil-hydraulic operators for swing gates and specific automation systems for complex industrial environments.










**Accessories and details that make the difference**

To complete every installation, FADINI offers a full range of **accessories:** flashing lights, transmitters, key switches, photocells and much more, all designed with a **modern and functional style.**

**FADINI is a brand dedicated to industry professionals** who require **reliable, innovative and long-lasting solutions**, built on over 50 years of experience in the world of automation.



- **Automation KITS**
- **Automatic barriers**
- **Automation for sliding gates**
- **Electronics for command and safety**
- **Automation for swing gates**
- **Electronic control panels**
- **Automation for garage and industrial doors**




*Production plant | 2026*

# 100% MADE IN ITALY



From the single worm screw and the first gear to final testing, every FADINI product is created and tested entirely in Italy. Our short supply chain ensures total quality control, rapid innovation and compliance with the most rigorous European standards.



*Production plant | 1990*

**CEREA**
Verona

**Total area**
130,000 m² overall, of which 30,000 m² are covered

**Main departments**
Design, CNC mechanical machining, oil-hydraulic operator assembly, bollard testing

**VICENZA**

**Total area**
1,000 m² covered area

**Main departments**
SMT line for safety and control accessories

**VICENZA**

**Total area**
1,000 m² covered area

**Main departments**
SMT line for electronic control panels

Three sites, one coordinated vision: every process is carried out in-house, from cutting and welding to SMT electronic assembly and mechanical assembly. This enables us to offer complete, reliable and fully Made in Italy solutions, ready to protect entrances in over 60 countries.

# FADINI BRANCHES
## AROUND THE GLOBE



### HEADQUARTERS:

**Meccanica Fadini S.r.l.**
Via Mantova, 177/A
37053 Cerea (VR) Italy
Ph. +39 0442 330422
Fax +39 0442 331054
info@fadini.net
www.fadini.net

### BRANCHES:

**Fadini UK Ltd.**
Unit E, Sandown Court, Station Rd
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sales@fadiniuk.co.uk
www.fadiniuk.co.uk

**Fadini Polska Sp. z o.o.**
ul. Bukowa 2
05-850 Szeligi, Polska
Ph. +48 22 308 00 42
biuro@fadini.pl
www.fadini.pl

### PRODUCTION PLANTS:

- Cerea (VR)
- Province of Vicenza

| 1967 | +100 | ~850.000 | ~35.000 |
|---|---|---|---|
| FOUNDED | EMPLOYEES | AUTOMATION IN OVER 60 COUNTRIES | BOLLARDS GLOBALLY |



*Company | 1992*



*Company | 2026*

## One Family, One Brand, One Vision

Meccanica Fadini continues to be, now as then, **a fully family-run company:** ownership is held 100% by the Fadini family, who have guided the brand for more than fifty years with the same passion as in the beginning. The image below expresses our identity better than any numbers could: two generations side by side, united by the commitment to innovate without ever betraying the values that define us - **craftsmanship, mechanical reliability and customer care.**

For us, being a "family" means fast, shared decisions, free from short-term financial logic; continuous investment in technology and human capital, with a long-term vision; and direct responsibility at every stage, from design to after-sales service.

We proudly remain **independent** because we believe this is the only way to ensure consistency of vision and personal attention to every product carrying the FADINI name.

From the first gate opener of the 1970s to today's certified anti-terrorism bollards, every innovation is born from a family choice: to build solutions that protect the entrances of homes, companies and cities, with the **quality of true Made in Italy.**



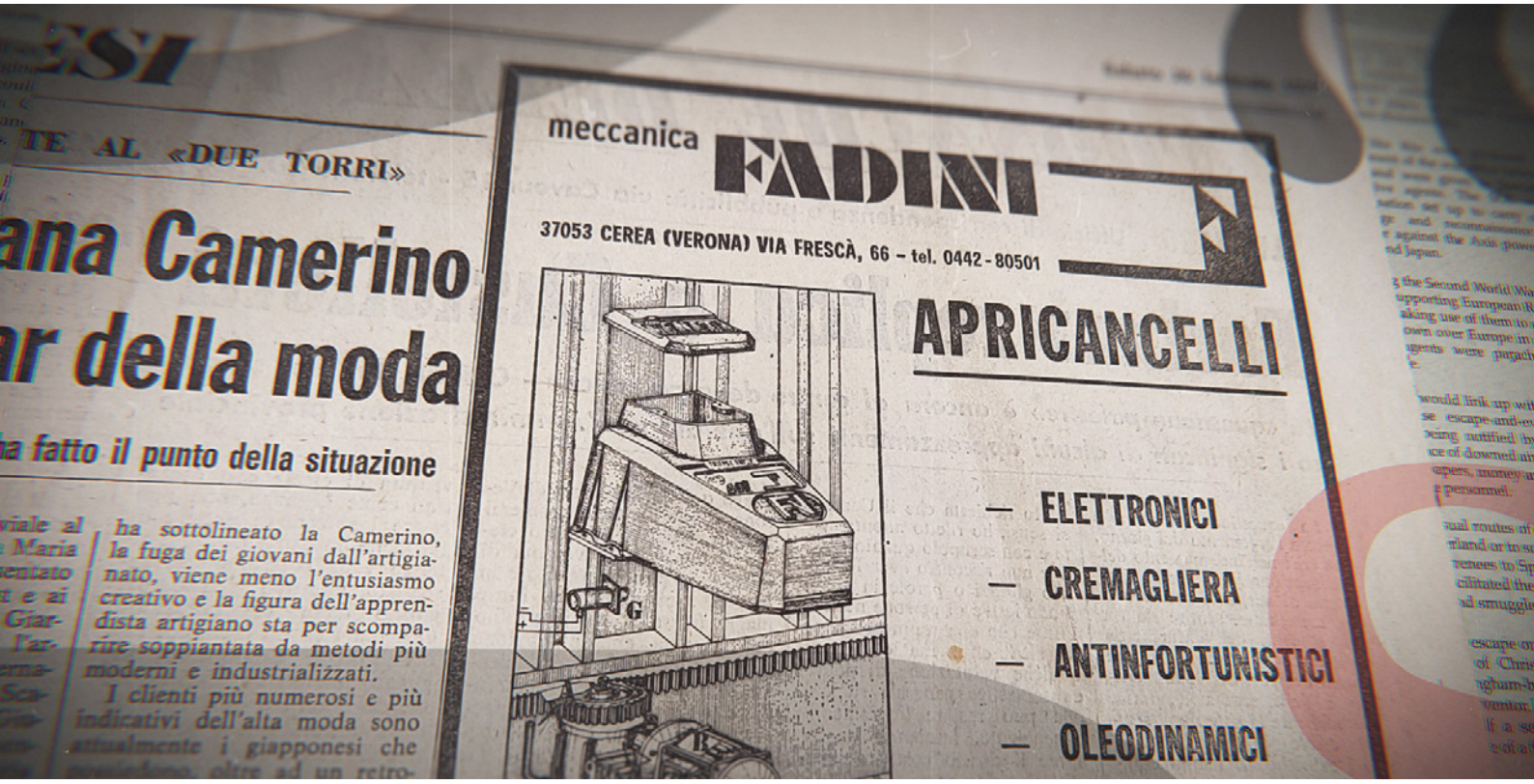
# HISTORIC BRAND 2025

On November 14, 2025, the Italian Ministry of Enterprises and Made in Italy officially registered the FADINI brand in the Register of Historic Brands of National Interest.

The Historic Brand is an official recognition granted by the Italian State to brands that represent a significant part of the country's industrial history.
It is awarded to companies that have been operating for more than fifty years, have used their brand continuously over time and have maintained a strong connection with the Italian territory.

Being recognized as a Historic Brand means that the name is not merely a commercial brand, but a heritage of industrial culture, built on expertise, innovation and continuity, and recognized as a guarantee of reliability and identity for customers, partners and the market.



The history of Meccanica Fadini is a path marked by a constant evolution towards new technological and market frontiers.



## 1974 MEC 400

First operator for sliding gates. Meccanica Fadini is a pioneer in Italy and in the world in producing and trading automatic gate systems.



## 1979 MEC 900

First traffic barrier with oil-hydraulic technology



## 1985 MEC 85

Meccanica Fadini brought transmitter production in-house and developed its first 250/300 MHz quartz-controlled super-regenerative transmitters, in single-, two- and three-channel versions. Still today, transmitters, photocells, flashing lights and control accessories are designed and manufactured internally.



## 1977 MEC 800 SPECIAL

First oil-hydraulic operator for swing gates. A great technical intuition: transferring the know-how in oil-hydraulics into the newly born gate automation field.



## 1983 HONGI 83

Oil-hydraulic operator with electric motor integrated in the oil reservoir. Updated and improved over the years, today the same features can be found in **HINDI 880 EVO**, as a guarantee of quality and reliability.



## NYOTA 115

Gear motor with oil-bath clutch and mechanical brake, constantly updated and still in production today in the **NYOTA 115 EVO** version with encoder.

1986



## JUNIOR 624|633|650

Range of gear motor operators for sliding gates, oil bath and EN 12445 - EN 12453 certified.

2010



## ZERO

Complete line of accessories for swinging and sliding gates.

2021

1993



## COMBI 740

The first underground oil-hydraulic operator with control panel and jack integrated into a single foundation box, the COMBI 740 has been constantly updated and is still in production today in a wide range of versions.
With the introduction of the **COMBI 787** model in 2014, the choice of operators for large gates was further expanded.

2017



## DARDO 424|430

First Fadini electromechanical operator for residential swing gates.

# FOX 724 — 730

NEW

## Electromechanical underground mounted operator

for the automation of swing gates and swing doors,
for residential and collective (condominium) use.
Compact irreversible electromechanical operator housed inside its own 3 mm thick steel foundation box.
MCBF: 250,000 cycles.
Battery backup available for the 24 Vdc version.

Available in three models:

- **FOX 724** at 24 Vdc with built-in encoder
- **FOX 730** at 230 Vac
- **FOX 730** at 230 Vac with encoder

The gear motor has been tested under extreme working conditions: **60.000 cycles** in total immersion



Cold galvanized foundation box

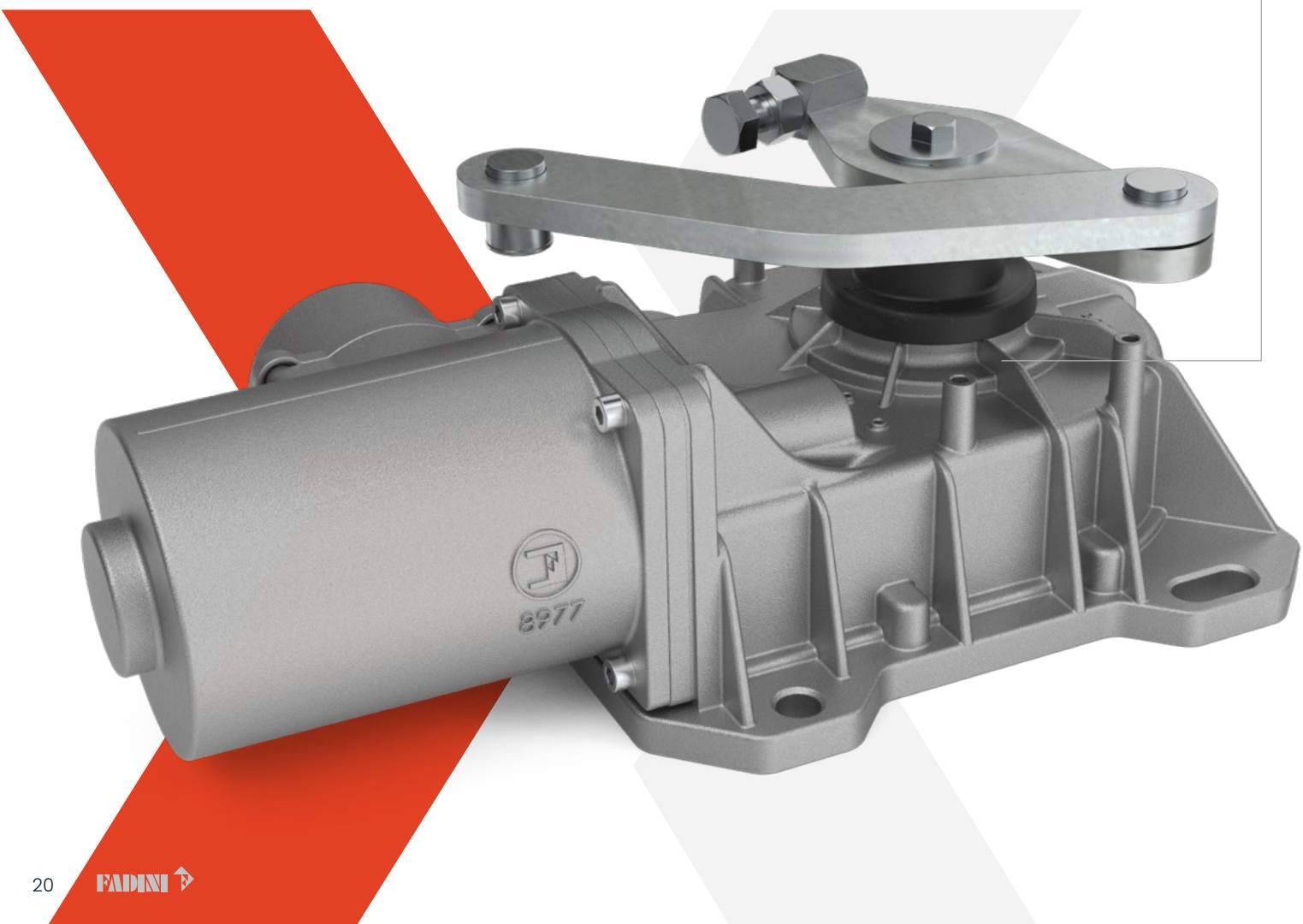


Hot galvanized foundation box, lid in stainless steel



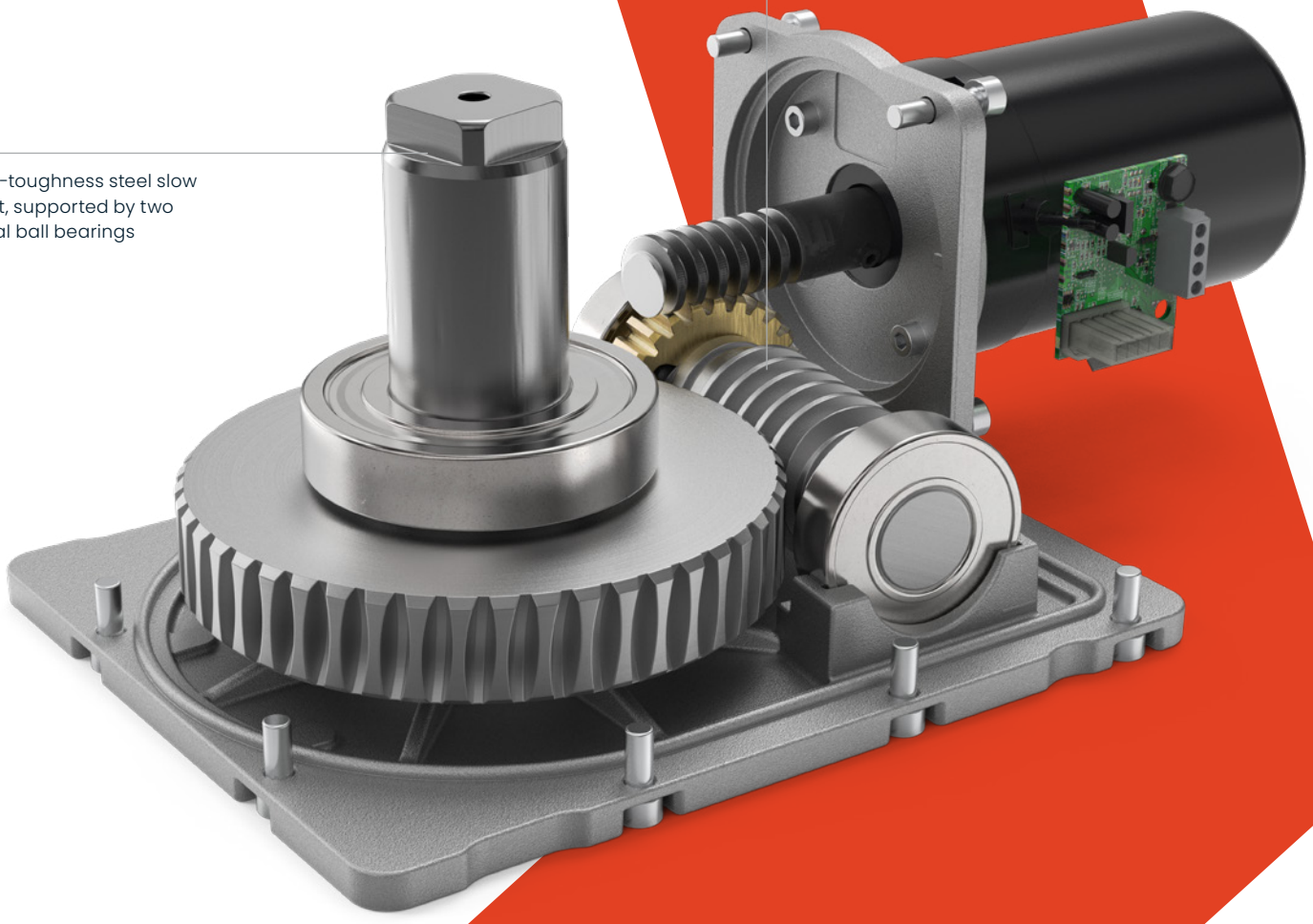
Foundation box and lid in stainless steel

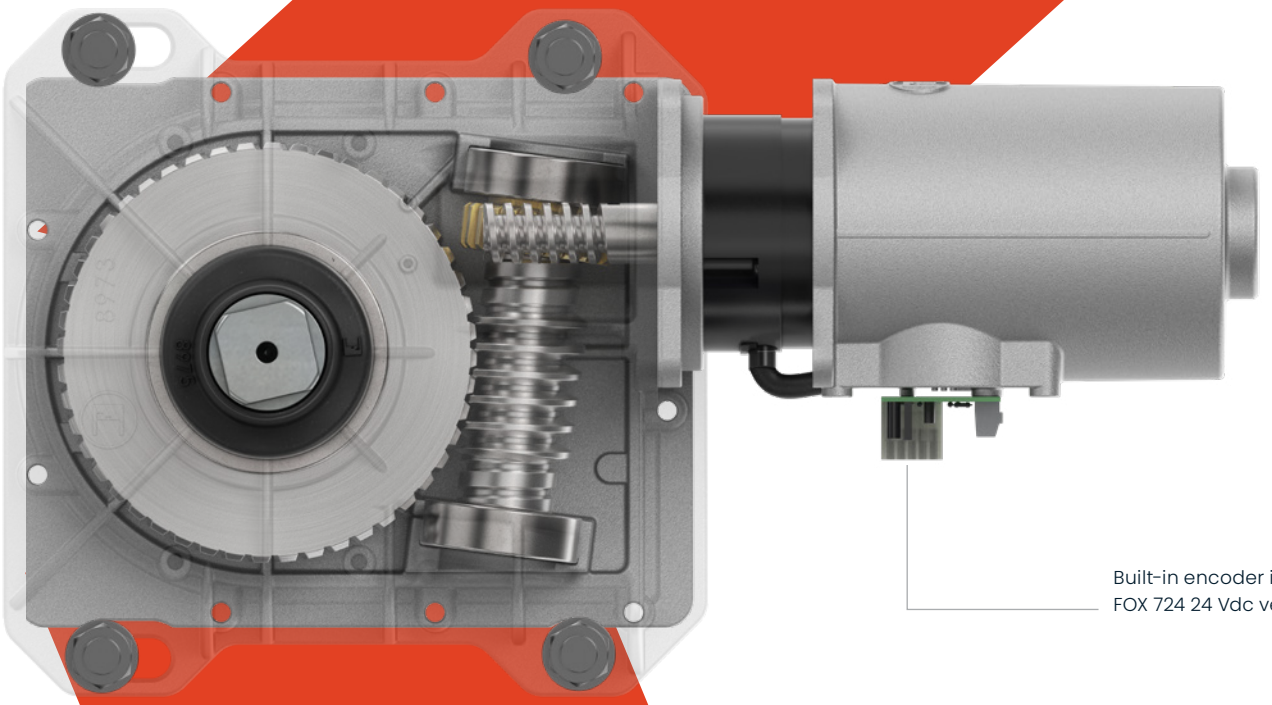
IP 67 watertight die-cast aluminium shell



Gear motor with steel-steel and steel-brass worm gear, lubricated with grease.
Sealing gaskets on all fittings

High-toughness steel slow shaft, supported by two radial ball bearings





Built-in encoder in the FOX 724 24 Vdc version

# Automation for **SLIDING GATES**

Our automation systems cover gate weights **from 400 up to 4000 kg**, ensuring reliability and performance in every application. Thanks to decades of design experience, we offer a complete range of gear motors for sliding gates, developed to meet different needs with precision, from residential to industrial applications. All our gear motors feature an internal **OIL-BATH** mechanical coupling system. This means that the components are continuously lubricated, ensuring longer service life, reduced wear, quieter operation and greater operating efficiency.



## NYOTA 115 EVO

Electromechanical gear motor for residential and industrial applications.

| Model | Operating limits | Version |
|---|---|---|
| **1 HP** 3-phase | Max 1850 kg | 230/400 Vac |
| **1 HP** 1-phase | Max 1800 kg | 230 Vac |
| **0,5 HP** 3-phase | Max 1250 kg | 230/400 Vac |
| **0,5 HP** 1-phase | Max 1200 kg | 230 Vac |



## JUNIOR series

Electromechanical gear motor for residential, collective and industrial applications.

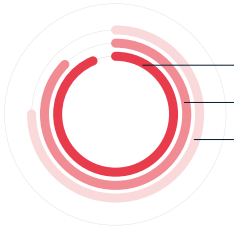
| Model | Operating limits | Version |
|---|---|---|
| **JUNIOR 650** | Max 1200 kg | 230 Vac |
| **JUNIOR 633** | Max 600 kg | 230 Vac |
| **J.XP 624** | Max 600 kg | 24 Vdc |
| **JUNIOR 624** | Max 400 kg | 24 Vdc |

# Automation for **SWING GATES**

FADINI enhances its range of swing gate automation systems with solutions designed for every application: from practical and reliable electromechanical operators, ideal for residential gates, to powerful **OIL-HYDRAULIC OPERATORS**, capable of moving single gate leaves up to 10 metres long. A complete range combining technology, robustness and safety, to always offer the most suitable solution for every need: from residential and condominium applications to the most demanding industrial installations.

## DARDO series

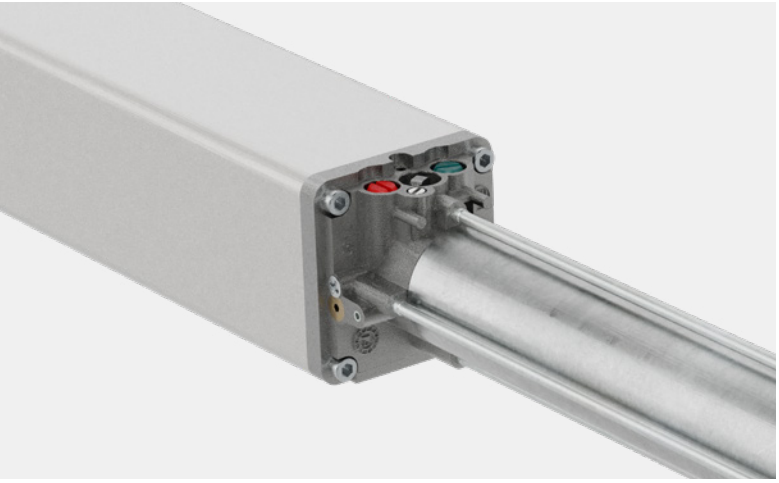
Electromechanical irreversible operator on-the-gate mount for residential applications.



| Model | Operating limits | Version |
|---|---|---|
| **DARDO XP 424** | Max 3 m \| 500 kg | 24 Vdc |
| **DARDO 430** | Max 2,8 m \| 350 kg | 230 Vac |
| **DARDO 424** | Max 2,5 m \| 400 kg | 24 Vdc |

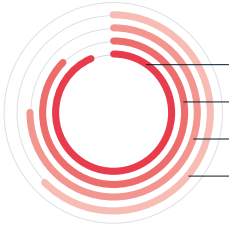






## HINDI 880 EVO

Oil-hydraulic operator on-the-gate mount for residential, collective and industrial applications.

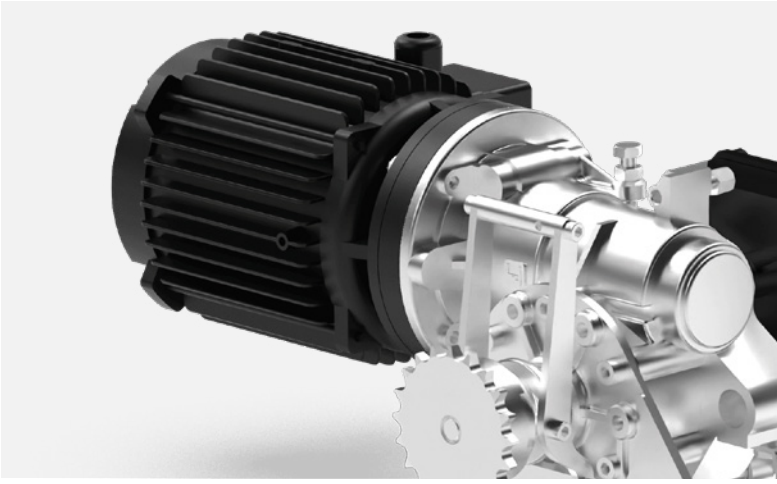


| Model | Operating limits | Version |
|---|---|---|
| **400 mm \| N** | Max 8 m \| 550 kg | 230 Vac |
| **400 mm** | Max 4,5 m \| 550 kg | 230 Vac |
| **280 mm** | Max 3,2 m \| 550 kg | 230 Vac |
| **150 mm** | Max 1,5 m \| 300 kg | 230 Vac |

# Automation for
# **GARAGE AND INDUSTRIAL DOORS**

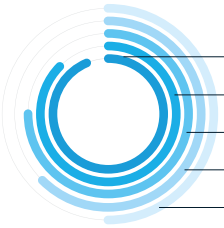
Automating an overhead garage door or an industrial door means ensuring safety, practicality and everyday comfort. The FADINI range is designed to meet these needs with versatile and reliable solutions, easily adaptable to different installation contexts. Thanks to its experience and constant drive for innovation, FADINI offers powerful, quiet and precise drive systems, combining performance with long-lasting reliability.





## MEC 200 LB

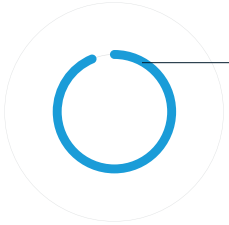
Electromechanical gear motor with chain drive system for sectional, folding and industrial doors for industrial applications.



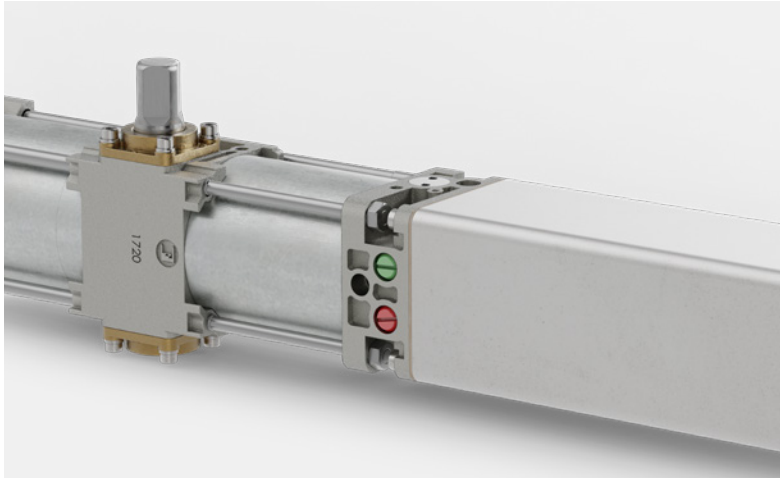
| Model | Operating limits | Version |
|---|---|---|
| **1,5 HP** 3-phase | Max 50 m² | 230/400 Vac |
| **1 HP** 3-phase | Max 50 m² | 230/400 Vac |
| **1 HP** 1-phase | Max 50 m² | 230 Vac |
| **0,5 HP** 3-phase | Max 25 m² | 230/400 Vac |
| **0,5 HP** 1-phase | Max 25 m² | 230 Vac |

## APROLI 380 LB

Oil-hydraulic operator for folding doors with two panels for industrial applications.



| Model | Operating limits | Version |
|---|---|---|
| **APROLI 380 LB** | 250 kg | 230 Vac |



# AUTOMATIC BARRIERS

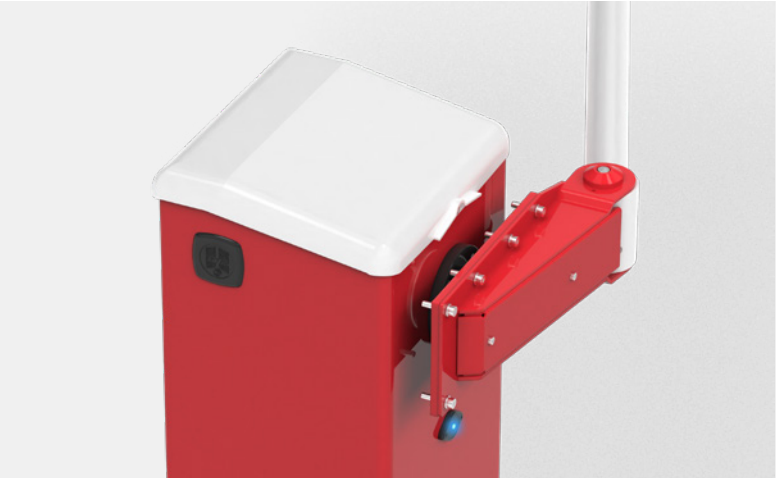
In industrial and collective settings, where access flows are intensive, continuous and often complex to manage, it is essential to rely on systems that ensure reliability, durability and safety even under prolonged use.
The FADINI range of automatic barriers is designed precisely to meet these needs, offering solutions that provide fast and secure vehicle access control, structural robustness and long-lasting performance.
They are suitable for a wide variety of applications, including car parks, company areas, production facilities and restricted traffic zones, and can be easily integrated with access control systems and advanced safety devices.
Thanks to its experience and constant focus on technological innovation, FADINI barriers are the ideal choice for those looking for efficiency, reliability and continuous operation.

## BAYT 980

Automatic barrier for residential, industrial and urban applications.

| Model | Operating limits | Version |
|---|---|---|
| **BAYT 980** | 8 m | 230 Vac |







# SAFETY AND COMMAND ELECTRONICS

## Discover the ZERO line: elegance, safety and Made in Italy design

The ZERO line represents the new frontier in accessories for gates and beyond, offering exceptional attention to aesthetics, functionality and reliability. Designed to ensure maximum safety, ease of use and smart integration, the ZERO range combines modern design, LED backlighting and solid construction. Easy to install, refined in appearance and advanced in functionality, these accessories are ideal for making every system safe, elegant and up to date.




## ZERO.L

LED signal light with integrated antenna, featuring a distinctive design and fully customizable operation: steady light, flashing mode or dynamic effects.



## VIX 53

**Compact Design, secure technology**
868,19 MHz rolling code

4-channel transmitter with a modern and ergonomic design, featuring rolling code technology for maximum security and compatibility with all FADINI automation systems.

Reliable, practical and easy to program, it is the ideal accessory for everyday control of your automation systems.





# FADINI GREEN

## Energy efficiency and compliance with European regulations.

Starting from May 9, 2025, Regulation (EU) 2023/826 introduces new limits on energy consumption in off mode, standby mode and networked standby mode for all electrical and electronic equipment.

### E_SAVE

Our answer?
A sustainable solution: we have developed a device that enables standby consumption below 0.3 W, fully compliant with the new European regulations and designed for a wide range of models intended for both residential and condominium applications.
A concrete step towards more efficient, greener automation, in line with the future.



# ICON LEGEND

**ELECTROMECHANICAL TECHNOLOGY**
Operator that is designed to transmit motion by means of an electric motor and a speed reducer (worm gear and crown gear).

**OIL-HYDRAULIC TECHNOLOGY**
Operator that is designed to transmit motion by means of oil pressure.

**EVO VALVE**
It is possible to set the locking features directly on the operator depending on the installation requirements: **N** always non-locking | **A** locking in open gate position | **B** locking in closed gate position | **BB** bidirectional locking.

**LOCKING IN OPEN GATE POSITION**
With the gate in open position, the operator needs overriding to allow closing by hand. With the gate in closed position, no locking action and opening by hand is allowed.

**LOCKING IN CLOSED GATE POSITION**
With the gate in closed position, the operator needs overriding to allow opening by hand. With the gate in open position, no locking action and closing by hand is allowed.

**BIDIRECTIONAL HYDRAULIC LOCKING DEVICE**
The gates are hydraulically held in open and closed positions (motor stops). The operator requires overriding for open and close operations by hand.

**REVERSIBLE NON-LOCKING**
No hydraulic locking device is fitted. It is always possible to open and close the gate by hand. With these installations, an electric lock or latch is always required to hold the gate in closed position.

**BRAKING**
Oil-hydraulic operator incorporating a hydraulic device slowing down (braking) the gate: either in opening or closing phases oin both directions, depending on the operator type. Electromechanical operator incorporating an electronic braking control allowing slowdown in opening and closing phases of the gate.

**FLOW REGULATOR**
Oil-hydraulic operator fitted with flow regulator allowing for gate speed control during the entire opening and closing phases.

**LED**
LED technology saves up to 95% energy and lasts 50 times longer than an incandescent lamp. High luminosity and visibility.

**-40 °C**
Technology applied to dedicated devices allowing the motor operators to be used in extremely cold environments, where temperature can reach -40 °C, avoiding freezing of the equipment.

**RT DATA**
Real-time logic system that quickly reacts to external factors such as climate, temperature, friction and other conditions, ensuring the correct operation of the system at all times. The microprocessor automatically adjusts the motor thrust to ensure smooth and safe opening and closing, while simplifying the adjustment process for the installer.

**D.S.A. - Device for Safety Auto-test**
Technology allowing for the testing of the photocells connected to the installation. In case any malfunction is detected with any one of the photocells, the entire system does not work until the problem is identified and resolved. This logic ensures a high level of safety.

**D.A.C.S. - Device for Auto-test - Safety Edges**
Technology to control the safety edges connected to the system (in compliance with the EN 12978 and EN 13849-1 Norms). Thanks to a dedicated micro-controller circuit, separately fitted on to the board, the actual integrity and correct functioning of the safety system is constantly controlled. Any fault or loss of efficiency is indicated by the flashing safety-edge diagnostic LEDs.

**BATTERY**
Wireless power supply by battery.

**RADIO LINK**
Distance extension of the radio signal of a transmitter by creating a radio link between the receivers.

**ROLLING CODE**
This technology ensures total reliability in radio signal transmission and cloning prevention. The transmission code changes with any pulse, and the receiver is able to assess each code by an algorithm of synchronism and verify that it is a correct one.

**TRANSCEIVER**
Transmission of a bidirectional radio signal, with feedback on the transmitter confirming reception of the radio receiver signal.

**SOFTWARE**
User interface allowing simple control and management of operations: the installer can manage data and parameters of the installation by a PC.

**200° ROTATION**
Infra-red safety device, 200° max. rotation on the horizontal axis.

**EN TESTED**
Automation systems tested in compliance with **EUROPEAN STANDARDS** on impact forces.

**ENCODER**
Operator and gear motor with encoder.

**E_SAVE**
Possibility to integrate the **E_SAVE** module to ensure standby consumption compliant with Regulation (EU) 2023/826.

**1PH**
230 Vac 1-phase electric motor.

**3PH**
230/400 Vac 3-phase electric motor.

# CAPTIONS


Residential and collective applications


Industrial applications


Urban applications


Automation KITS


Automation for sliding gates


Automation for swing gates


Automation for industrial and garage doors


Automatic barriers


Electronics for command and safety


Electronic control panels


FADINI
FADINI
MADE IN ITALY
FADINI .NET



# Automation **KITS**

## FOR SLIDING GATES


**JUNIOR 624** kit 32

**J.XP 624** kit 33

**JUNIOR 633** kit 34

**JUNIOR 650** kit 35

**NYOTA 115 EVO** 0,5 HP kit 36

**NYOTA 115 EVO** 1 HP kit 37


## FOR SWING GATES


**DARDO 424** kit 38

**DARDO 430** kit 39

**DARDO XP 424** kit 40

**HINDI 880 SPRINT** kit 41

**NUPI 66** kit 42

**FOX 724** kit 43

**FOX 730** kit 44


## FOR OVERHEAD DOORS


**APROLI 480** kit 45

# KIT **JUNIOR 624**

Automation kit for sliding gates
in residential applications




**MAX. GATE LEAF WEIGHT**
up to 400 kg

**624K0VL** | **KIT JUNIOR 624** includes:



**1x JUNIOR 624**
Electromechanical gear motor with
ELPRO 64 control panel

18 kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver



**1x** Warning plate

# KIT **J.XP 624**

Automation kit for sliding gates
in residential and collective applications




**MAX. GATE LEAF WEIGHT**
up to 600 kg

**K614.3L** | **KIT J.XP 624** includes:



**1x J.XP 624**
Electromechanical gear motor with
ELPRO 64 control panel

**18** kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT JUNIOR 633

Automation kit for sliding gates
in residential, collective and industrial applications




**MAX. GATE LEAF WEIGHT**
up to 600 kg

**633K0VL** | **KIT JUNIOR 633** includes:



**1x JUNIOR 633**
Electromechanical gear motor with
ELPRO 65 control panel

18 kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver



**1x** Warning plate

# KIT **JUNIOR 650**

Automation kit for sliding gates
in industrial applications




**MAX. GATE LEAF WEIGHT**
up to 1200 kg

**650K0VL** | **KIT JUNIOR 650** includes:



**1x JUNIOR 650**
Electromechanical gear motor with
ELPRO 65 control panel

18 kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver



**1x** Warning plate

# KIT **NYOTA 115 EVO**

Automation kit for sliding gates
in residential and industrial applications




**MAX. GATE LEAF WEIGHT**
up to 1200 kg

**K115.3L** | **KIT NYOTA 115 EVO** includes:



**1x NYOTA 115 EVO**
0,5 HP electromechanical gear motor with
ELPRO 12 EVO control panel

18 kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **NYOTA 115 EVO**

Automation kit for sliding gates
in residential and industrial applications




**MAX. GATE LEAF WEIGHT**
up to 1800 kg

**K115.10L** | **KIT NYOTA 115 EVO** includes:



**1x NYOTA 115 EVO**
1 HP electromechanical gear motor with
ELPRO 12 EVO control panel

18 kits/pallet



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver



**1x** Warning plate

# KIT **DARDO 424**

Automation kit for swing gates
in residential applications

**MAX. GATE LEAF WEIGHT**
up to 400 kg

**MAX. GATE LEAF LENGTH**
up to 2,5 m




**4240K0VL** | **KIT DARDO 424** includes:



**2x DARDO 424**
Electromechanical operator

15 kits/pallet



**1x ELPRO 42**
control panel



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **DARDO 430**

Automation kit for swing gates
in residential applications

**MAX. GATE LEAF WEIGHT**
up to 350 kg

**MAX. GATE LEAF LENGTH**
up to 2,8 m




**4301K0VL** | **KIT DARDO 430** includes:



**2x DARDO 430**
Electromechanical operator

15 kits/pallet



**1x ELPRO 43**
control panel



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **DARDO XP 424**

Automation kit for swing gates
in residential and collective applications

**MAX. GATE LEAF WEIGHT**
up to 500 kg

**MAX. GATE LEAF LENGTH**
up to 3 m




**K428.3L** | **KIT DARDO XP 424** includes:



**2x DARDO XP 424**
Electromechanical operator

15 kits/pallet



**1x ELPRO 42**
control panel



**1x ZERO.PH**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **HINDI 880 SPRINT**

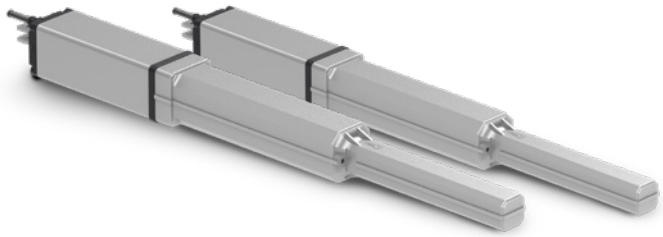
Automation kit for swing gates
in residential applications

**MAX. GATE LEAF WEIGHT**
up to 400 kg

**MAX. GATE LEAF LENGTH**
up to 2,3 m




**8820K0VL** | **KIT HINDI 880 SPRINT** includes:



**2x HINDI 880 SPRINT**
Oil-hydraulic operator

12 kits/pallet



**1x ELPRO 27**
control panel



**1x TRIFO 11**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **NUPI 66**

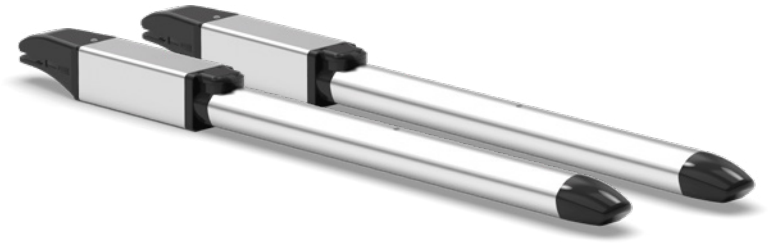
Automation kit for swing gates
in residential applications

**MAX. GATE LEAF WEIGHT**
up to 400 kg

**MAX. GATE LEAF LENGTH**
up to 2,5 m




**6660K0VL** | **KIT NUPI 66** includes:



**2x NUPI 66**
Oil-hydraulic operator

15 kits/pallet



**1x ELPRO 7 RP**
control panel



**1x TRIFO 11**
pair of surface mount
photocells



**1x ZERO.K**
Surface mount key switch
with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver




**1x** Warning plate

# KIT **FOX 724**

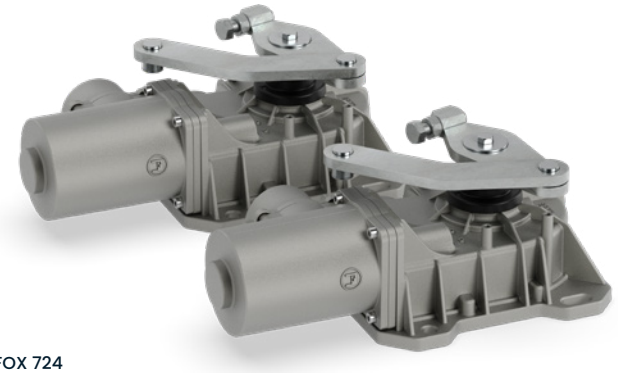
Underground automation kit for swing gates
in residential and collective applications




**MAX. GATE LEAF WEIGHT**
up to 800 kg

**MAX. GATE LEAF LENGTH**
up to 3,5 m

**K724.8L** | **KIT FOX 724** includes:



**2x FOX 724**
Underground electromechanical operator

20 kits/pallet



**2x** cold galvanized foundation box, with locking device



**1x ELPRO 42**
control panel



**1x ZERO.PH**
pair of surface mount photocells



**1x ZERO.K**
surface mount key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver




**1x** Warning plate

# KIT **FOX 730**

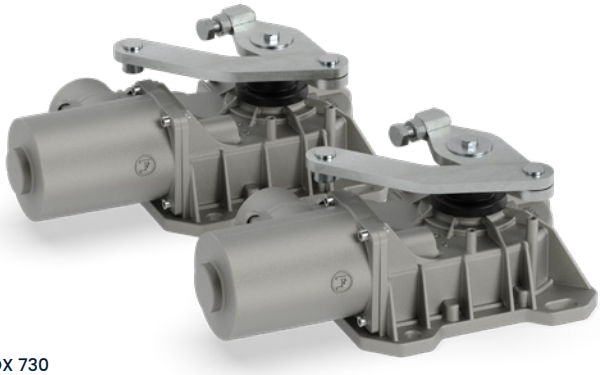
Underground automation kit for swing gates
in residential and collective applications




**MAX. GATE LEAF WEIGHT**
up to 800 kg

**MAX. GATE LEAF LENGTH**
up to 3,5 m

**K724.7L** | **KIT FOX 730** includes:



**2x FOX 730**
Underground electromechanical operator

20 kits/pallet



**2x** cold galvanized foundation box, with locking device



**1x ELPRO 43**
control panel



**1x ZERO.PH**
pair of surface mount photocells



**1x ZERO.K**
Surface mount key switch with standard cylinder



**1x ZERO.L**
Flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver




**1x** Warning plate

# KIT **APROLI 480**

Automation kit for garage doors
in residential applications

**MAX. DOOR SURFACE**
up to 7 m²




**465K0VL** | **KIT APROLI 480** includes:



**1x APROLI 480**
Oil-hydraulic operator

6 kits/pallet



**1x** Hardware fixing kit for one operator



**1x ELPRO 6 exp**
control panel



**1x TRIFO 11**
pair of surface mount photocells



**1x BIRIO A8**
rod aerial complete with support for wall-fixing



**1x VIX 53/4 TR**
868.19 MHz 4-channel rolling code transmitter, lime green

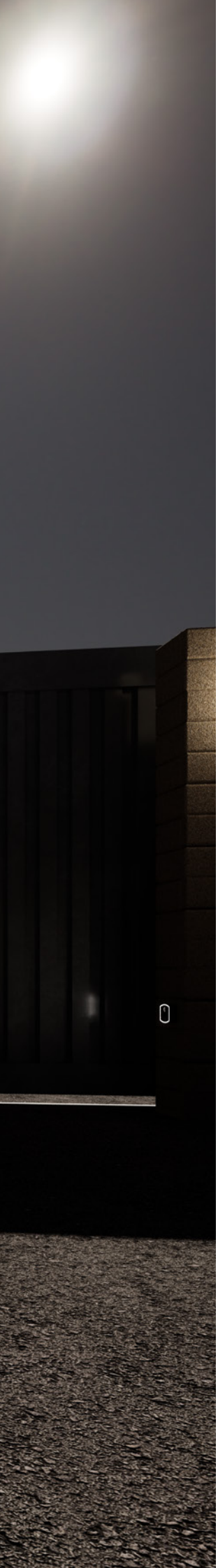


**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver




**1x** Warning plate





# Automation for **SLIDING GATES**


| | |
|---|---|
| **J** series | 50 |
| **NYOTA 115 EVO** | 52 |
| **MEC 200** | 54 |
| **FIBO** series | 56 |

# GUIDE TO CHOICE

## FOR SLIDING GATES

### RESIDENTIAL APPLICATION

| | | | |
|---|---|---|---|
| **JUNIOR 624**<br>max. 400 kg | 24 Vdc | | **624L** |
| **J.XP 624**<br>max. 600 kg | 24 Vdc | | **614L** |
| **JUNIOR 633**<br>max. 600 kg | 230 Vac<br>1-phase | | **633L** |







### COLLECTIVE APPLICATION

| | | | |
|---|---|---|---|
| **JUNIOR 650**<br>max. 1200 kg | 230 Vac<br>1-phase | | **650L** |
| **NYOTA 115 EVO**<br>max. 1200 kg | 230 Vac<br>1-phase | 0,5 HP | **1121L**<br>**1116L** |





## INDUSTRIAL APPLICATION

| | | | |
|---|---|---|---|
| **NYOTA 115 EVO**<br>max. 1250 kg | 230/400 Vac<br>3-phase | 0,5 HP | **1113L** |
| **MEC 200**<br>max. 1250 kg | 230 Vac<br>1-phase | 0,5 HP | **2114L**<br>**2154L** |
| | 230/400 Vac<br>3-phase | 0,5 HP | **211L**<br>**215L** |
| **NYOTA 115 EVO**<br>max. 1850 kg | 230 Vac<br>1-phase | 1 HP | **1117L**<br>**1122L** |
| | 230/400 Vac<br>3-phase | 1 HP | **1114L** |
| **MEC 200**<br>max. 1850 kg | 230 Vac<br>1-phase | 1 HP | **212567L** |
| | 230/400 Vac<br>3-phase | 1 HP | **212L**<br>**21267L** |
| **MEC 200**<br>max. 2000 kg | 230/400 Vac<br>3-phase | 1,5 HP | **213L**<br>**21367L** |
| **FIBO 300**<br>max. 2500 kg | 230/400 Vac<br>3-phase | 1,5 HP | **3002L** |
| **FIBO 400**<br>max. 4000 kg | 230/400 Vac<br>3-phase | 3 HP | **4002L** |









# J series

Electromechanical gear motor
for residential, collective and industrial applications

**For sliding gates up to 400 kg** (JUNIOR 624),
**600 kg** (J.XP 624 and JUNIOR 633) **and 1200 kg** (JUNIOR 650)



Blue LED on the casing for self-diagnosis of the automation status

Unlocking with aluminium handle and key

**J.XP 624**

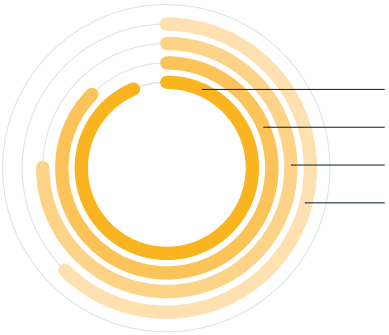
24 Vdc | 600 kg
Anthracite grey cover

### Intuitive and safe

24 Vdc and 230 Vac gear motor, with oil-bath coupling of the worm screw and crown on ball bearings. Gate travel programming with a single button, acceleration and deceleration at each operation.
Magnetic limit switch. Anti-crushing system with the combined action of the encoder and amperometric detection for obstacle reversal. Integrated control panel.

### Certified and tested

In compliance with European standards EN 12445 and EN 12453 and CE marking with type testing.

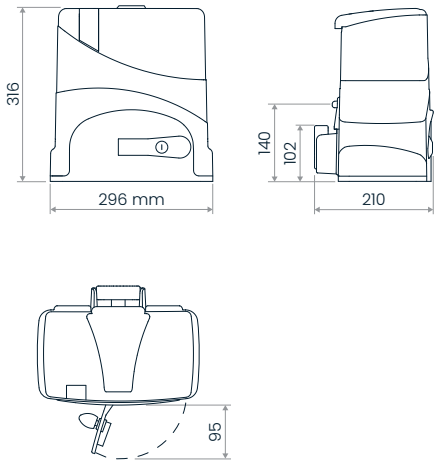


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **JUNIOR 650** | Max. 1200 kg | 230 Vac |
| **JUNIOR 633** | Max. 600 kg | 230 Vac |
| **J.XP 624** | Max. 600 kg | 24 Vdc |
| **JUNIOR 624** | Max. 400 kg | 24 Vdc |

## TECHNICAL DATA

| | JUNIOR 624 | J.XP 624 | JUNIOR 633 | JUNIOR 650 |
|---|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 220 | 240 | 400 | 510 |
| Max. absorbed current (A) | 6,3 | 7 | 2 | 2,4 |
| Speed (m/min) | 12 | 12 | 10 | 10 |
| Force (N) | 400 | 400 | 600 | 1000 |
| Duty cycle (cycles/hour) | 54 | 54 | 39 | 39 |
| Grade of protection IP | 54 | 54 | 54 | 54 |
| Working temperature (°C) | -20 ÷ +50 | -20 ÷ +50 | -20 ÷ +50 | -20 ÷ +50 |
| Dimensions (mm) | 296x210x316 h | 296x210x316 h | 296x210x316 h | 296x210x316 h |
| Weight (kg) | 11 | 11 | 11,3 | 13,5 |

## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*

## KIT JUNIOR 624 | 624K0VL



**1x JUNIOR 624**
electromechanical gear motor
with ELPRO 64 control panel



**1x ZERO.PH**
pair of surface-mounted
photocells



**1x ZERO.K**
surface-mounted key switch
with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel
transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in
radio receiver



**1x** Warning plate

# NYOTA 115 EVO

Electromechanical gear motor
for residential and industrial applications

**For sliding gates up to 1850 kg**



Aluminium structure and housing: for a long-lasting durability over time

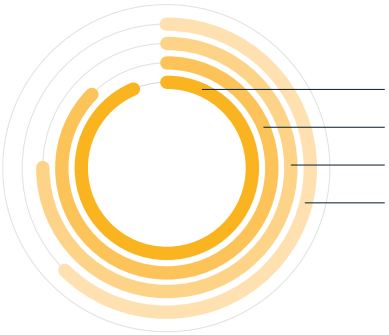
Release mechanism with aluminium handle and key

### Strong and elegant

Single-phase and three-phase gear motor with oil-bath coupling of the worm screw and bronze gear, mounted on ball bearings. Gate travel programming via a simple push button. Magnetic limit switch.
Master/slave function for automating two opposing gate leaves.

### Safe

Anti-crushing system with encoder and amperometric detection for obstacle reversal. Electronic brake, acceleration and deceleration at every operation.
CE marked with type-tested certification.

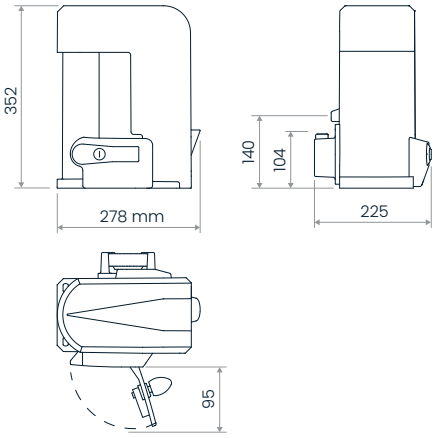


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **1 HP** 3-phase | Max. 1850 kg | 230/400 Vac |
| **1 HP** 1-phase | Max. 1800 kg | 230 Vac |
| **0,5 HP** 3-phase | Max. 1250 kg | 230/400 Vac |
| **0,5 HP** 1-phase | Max. 1200 kg | 230 Vac |

## TECHNICAL DATA

| | 0,5 HP - 1PH | 0,5 HP - 3PH | 1 HP - 1PH | 1 HP - 3PH |
|---|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230/400 - 50 | 230 - 50 | 230/400 - 50 |
| Max. absorbed power (W) | 600 | 575 | 1130 | 1030 |
| Max. absorbed current (A) | 3,2 | 2,1/1,2 | 5,7 | 3,7/2,2 |
| Speed (m/min) | 10 | 10 | 10 | 10 |
| Force (N) | 1100 | 1100 | 2200 | 2200 |
| Duty cycle (cycles/hour) | 33 | 33 | 33 | 33 |
| Grade of protection IP | 55 | 55 | 55 | 55 |
| Working temperature (°C) | -25 ÷ +80 | -25 ÷ +80 | -25 ÷ +80 | -25 ÷ +80 |
| Dimensions (mm) | 278x225x352 h | 278x225x352 h | 278x225x352 h | 278x225x352 h |
| Weight (kg) | 18,5 | 18 | 20 | 19,5 |

## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*

## KIT NYOTA 115 EVO | K115.3L



**1x NYOTA 115 EVO**
0,5 HP electromechanical gear motor with ELPRO 12 EVO control panel



**1x ZERO.PH**
pair of surface-mounted photocells



**1x ZERO.K**
surface-mounted key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver



**1x** Warning plate

# MEC 200

Electromechanical gear motor
for industrial applications

**For sliding gates up to 2000 kg**





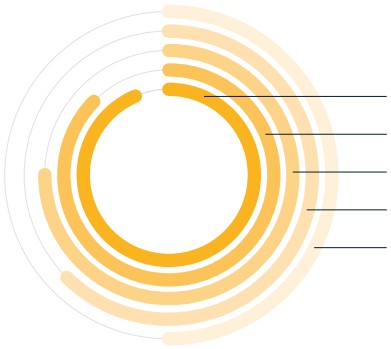


### Reliable

1-phase and 3-phase gear motor, coupling of worm and bronze crown gear in oil bath, on ball bearings. Full range of models with various types of electric motors, options with air-cooled motors and electrobrake available.

### Safe

Adjustable torque control provided by a mechanical clutch system; the discs are lubricated by multifunctional grease to improve performance.
CE marking following type tests.

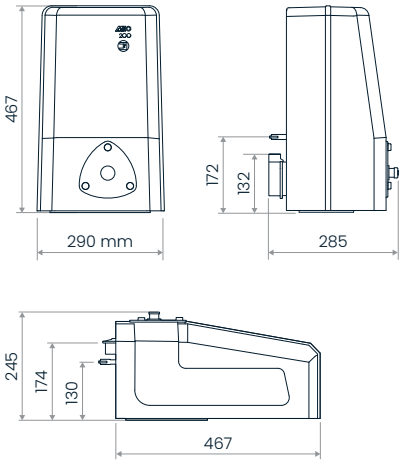


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **1,5 HP** 3-phase | Max. 2000 kg | 230/400 Vac |
| **1 HP** 3-phase | Max. 1850 kg | 230/400 Vac |
| **1 HP** 1-phase | Max. 1800 kg | 230 Vac |
| **0,5 HP** 3-phase | Max. 1250 kg | 230/400 Vac |
| **0,5 HP** 1-phase | Max. 1200 kg | 230 Vac |

v. = vertical  o. = horizontal

| TECHNICAL DATA | 0,5 HP - 1PH | 1 HP - 1PH | 1 HP - 3PH | 1,5 HP - 3PH |
|---|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 | 230/400 - 50 | 230/400 - 50 |
| Max. absorbed power (W) | 510 | 1130 | 1030 | 1500 |
| Max. absorbed current (A) | 2,4 | 5,7 | 3,7/2,2 | 5,1/3 |
| Speed (m/min) | 10 | 10 | 10 | 10 |
| Force (N) | 1100 | 2200 | 2200 | 3000 |
| Duty cycle (cycles/hour) | 33 | 33 | 33 | 33 |
| Grade of protection IP | 55 *[B]* | 55 *[B]* | 55 *[B]* | 55 *[B]* |
| Working temperature (°C) | -25 ÷ +80 | -25 ÷ +80 | -25 ÷ +80 | -25 ÷ +80 |
| Dimensions (mm) | 290x285x467 h | 290x285x467 h | 290x285x467 h | 290x285x467 h |
| Weight (kg) | 19,5 o. - 19 v. | 23,5 o. - 23 v. | 21,5 o. - 21 v. | 25,5 o. - 25 v. |

## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[B] Inside the housing cover or casing.*


SCANIA
SCANIA

# FIBO series

Electromechanical gear motor
for industrial applications

**For sliding gates up to 2500 kg** (FIBO 300) **and 4000 kg** (FIBO 400)

Protective housing in steel sheet



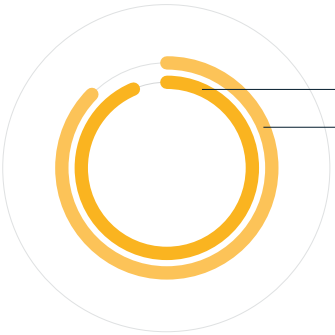
Dual mechanical limit switch

**Reliable**

Coupling of worm and bronze crown gear in oil bath, on ball bearings. Made safe by the mechanical clutch.

**Functional**

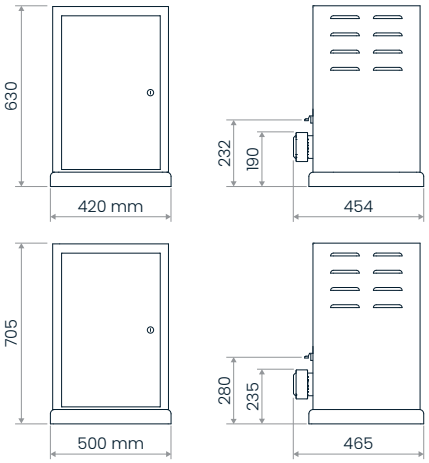
The electronic control panel ELPRO 37 HP with power contactors is inside a polycarbonate box.



| Model | Operating limits *[A]* | Version |
|---|---|---|
| **FIBO 400** | Max. 4000 kg | 230/400 Vac |
| **FIBO 300** | Max. 2500 kg | 230/400 Vac |

| TECHNICAL DATA | FIBO 300 | FIBO 400 |
|---|---|---|
| Power supply (Vac - Hz) | 230/400 - 50/60 | 230/400 - 50/60 |
| Max. absorbed power (W) | 1500 | 2800 |
| Max. absorbed current (A) | 5,1/3 | 9,4/5,4 |
| Speed [50 Hz \| 60 Hz] (rpm - m/min) | 1400 - 10,5 \| 1700 - 12,8 | 1400 - 10,5 \| 1700 - 12,8 |
| Force [50 Hz \| 60 Hz] (N) | 6200 \| 5100 | 12.500 \| 10.000 |
| Duty cycle (cycles/hour) | 33 | 20 |
| Grade of protection IP | 55 *[B]* | 55 *[B]* |
| Working temperature (°C) | -25 ÷ +80 | -25 ÷ +80 |
| Dimensions (mm) | 420x454x630 h | 500x465x705 h |
| Weight (kg) | 62 | 89 |

## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[B] Inside the housing cover or casing.*


IVECO
MA-222-AX

# Sliding gates accessories

## J series



**632L**

2400 mAh NiMH AA battery, 24 Vdc, for **J.XP 624**, **JUNIOR 624**, **DARDO 424** and **DARDO XP 424**

## NYOTA 115 EVO



**7069L**

Polycarbonate box 110x210x295 mm for ELPRO 12 EVO, complete with connector for the encoder



**7231L**

**LIMY 51**, electronic card allowing duplication of the magnetic limit switch single contact

## MEC 200



**206L**

Safety switch with support for 24 Vac low voltage cut-off



**2119L**

Adjustable FX1656 mechanical limit switch, complete with slots and screws.
Available only for MEC 200 **vertical** version

## RACKS



**204L**

Zinc gear rack m4 30x8x1000 mm with fixing holes



**207L**

Zinc gear rack m4 30x12x1000 mm with fixing holes



**208L**

Gear rack fixing spacer for models 204L and 207L, including bolt and washer (30 pcs./pack)



**2039L**

Zinc gear rack m4 22x22x2000 mm for welding (5 pcs./pack)



**2118L**

M4 x 1000 mm slotted nylon rack with metal insert, complete with screws and square washers. Maximum gate leaf weight 700 kg. (10 pcs./pack)

## COMMON ACCESSORIES



**706L**

"FADINI UTTO oil" for gears, in 2 litre can




**2127L**

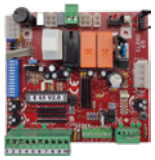
Warning plate

## ELECTRONIC CONTROL PANELS



**ELPRO 64 | 680L**

for **JUNIOR 624** and **J.XP 624**
Control panel integrated as standard in the gear motor



**ELPRO 65 | 681L**

for **JUNIOR 633** and **JUNIOR 650**
Control panel integrated as standard in the gear motor



**ELPRO 12 EVO | 7063L**

for **NYOTA 115 EVO**
Control panel integrated as standard in the gear motor



**ELPRO 70/3 PLUS | 7060L**

for **MEC 200**
Control panel integrated as standard in the gear motor



**ELPRO 37 | 7087L**

for **NYOTA 115 EVO** and **MEC 200**
External control panel for the gear motor



**ELPRO 37 DS | 7180L**

for **NYOTA 115 EVO** and **MEC 200**
External control panel for the gear motor



**ELPRO 37 HP | 7185L**

for **FIBO series**
Control panel that can be housed inside the gear motor, not supplied as standard





# Automation for **SWINGING GATES**


| | |
|---|---|
| **DARDO** series | 66 |
| **HINDI 880 SPRINT** | 68 |
| **NUPI 66** | 70 |
| **HINDI 880 EVO** | 72 |
| **MEC 800 SPECIAL** | 74 |
| **APROLI 280** series | 76 |
| **FOX** series | 78 |
| **COMBI 740** | 80 |
| **COMBI 787** | 82 |
| **DRIVE 700** | 84 |

# GUIDE TO CHOICE

## FOR SWING GATES

### ELECTROMECHANICAL OPERATOR ON-THE-GATE MOUNT

| | | | |
|---|---|---|---|
| **DARDO 424**<br>max. 2,5 m | 24 Vdc | **424L** |  |
| **DARDO 430**<br>max. 2,8 m | 230 Vac<br>1-phase | **430L** |  |
| **DARDO 424 XP**<br>max. 3 m | 24 Vdc | **428L** |  |

### OIL-HYDRAULIC OPERATOR ON-THE-GATE MOUNT

| | | | |
|---|---|---|---|
| **HINDI 880 SPRINT**<br>max. 2,3 m | 230 Vac<br>1-phase | **887L**<br>**888L**<br>**889L** |  |
| **NUPI 66**<br>max. 2,5 m | 230 Vac<br>1-phase | **661L** |  |
| **HINDI 880 EVO**<br>max. 1,5 m | 230 Vac<br>1-phase | **870P5L**<br>**87084P5L** |  |
| **HINDI 880 EVO**<br>max. 3,2 m | 230 Vac<br>1-phase | **880P5L**<br>**88084P5L**<br>**880P3L**<br>**88084P3L** |  |

| | | | | |
|---|---|---|---|---|
| **HINDI 880 EVO**<br>max. 4,5 m | | 230 Vac<br>1-phase | **890P5L** |  |
| | | | **89084P5L** | |
| | | | **890P3L** | |
| | | | **89084P3L** | |
| **HINDI 880 EVO**<br>max. 8 m | | 230 Vac<br>1-phase | **884P3L** |  |
| | | | **88484P3L** | |
| **MEC 800 SPECIAL**<br>max. 10 m | | 230 Vac<br>1-phase | **7012L**<br>**701284L** |  |
| | | | **7037L**<br>**703784L** |  |
| | | | **7114L**<br>**711484L** |  |
| | | | **7115L**<br>**711584L** |  |
| | | | **7116L**<br>**711684L** |  |
| | | | **7117L**<br>**711784L** |  |
| | | | **7118L**<br>**711884L** |  |
| | | | **7119L**<br>**711984L** |  |

# GUIDE TO CHOICE

## FOR SWING GATES

### OIL-HYDRAULIC OPERATOR WITH ARTICULATED ARM

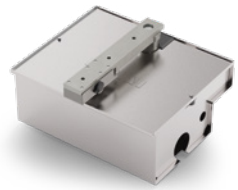
| | | | |
|---|---|---|---|
| **APROLI 280 BATT**<br>max. 2 m | | 230 Vac<br>1-phase | **281L**<br>**282L**<br>**285L**<br>**286L**<br>**287L** |
| **APROLI 280/700 ROBUSTO**<br>max. 3 m | | 230 Vac<br>1-phase | **298DXL**<br>**298SXL** |





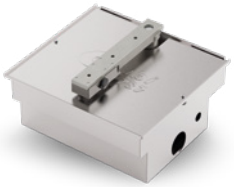
### ELECTROMECHANICAL UNDERGROUND MOUNTED OPERATOR

| | | | |
|---|---|---|---|
| **FOX 724**<br>max. 3,5 m | | 24 Vdc | **724L** |
| **FOX 730**<br>max. 3,5 m | | 230 Vac<br>1-phase | **730L** |





## OIL-HYDRAULIC UNDERGROUND MOUNTED OPERATOR

| | | | | | |
|---|---|---|---|---|---|
| **COMBI 740**<br>max. 4 m | | 230 Vac<br>1-phase | 110° | **767N3DXL \| 767N3SXL** |  |
| | | | | **7677BB3DXL \| 7677BB3SXL** | |
| | | | | **76778BB3DXL \| 76778BB3SXL** | |
| | | | | **767789BB3DXL \| 767789BB3SXL** | |
| | | | | **76779BB3DXL \| 76779BB3SXL** | |
| | | | | **7678N3DXL \| 7678N3SXL** | |
| | | | | **76789N3DXL \| 76789N3SXL** | |
| | | | | **7679N3DXL \| 7679N3SXL** | |
| | | | 175° | **769N3DXL \| 769N3SXL** | |
| | | | | **7697BB3DXL \| 7697BB3SXL** | |
| | | | | **76978BB3DXL \| 76978BB3SXL** | |
| | | | | **769789BB3DXL \| 769789BB3SXL** | |
| | | | | **76979BB3DXL \| 76979BB3SXL** | |
| | | | | **7698N3DXL \| 7698N3SXL** | |
| | | | | **76989N3DXL \| 76989N3SXL** | |
| | | | | **7699N3DXL \| 7699N3SXL** | |
| **DRIVE 700**<br>max. 4 m | | 230 Vac<br>1-phase | 110° | **710L** |  |
| | | | | **711L** | |
| | | | 175° | **712L** | |
| | | | | **713L** | |
| **COMBI 787**<br>max. 6 m | | 230 Vac<br>1-phase | | **787N3L** |  |
| | | | | **7877BB3L** | |
| | | | | **78778BB3L** | |
| | | | | **787789BB3L** | |
| | | | | **7878N3L** | |
| | | | | **78789N3L** | |
| | | | | **78779BB3L** | |
| | | | | **7879N3L** | |

# DARDO series

Irreversible electromechanical operator on-the-gate mount for residential applications

**For swing gates with leaves up to 3 m**

## DARDO XP 424

24 Vdc | 500 kg
Anthracite grey cover

Release for manual opening of the leaf using the same key as the protective casing



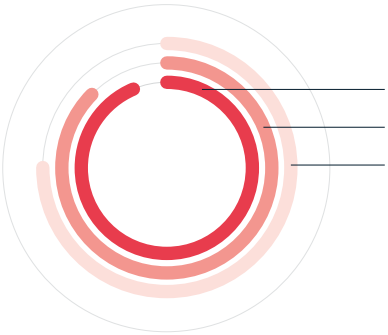
Protective casing in die-cast aluminium with polyester powder coating

### Quiet

24 Vdc and 230 Vac irreversible electromechanical operator. The mechanics include a steel rolled worm screw, brass threaded nut, teflon crown gear, radial bearing and lubricated bushings. Gate delay can be simply programmed automatically, or manually by a button in the electronic control unit. Mechanical stop plates in open and closed positions, fitted to the cover and adjustable.

### Safe

Anti-crush system by the encoder. Acceleration and deceleration on each cycle.

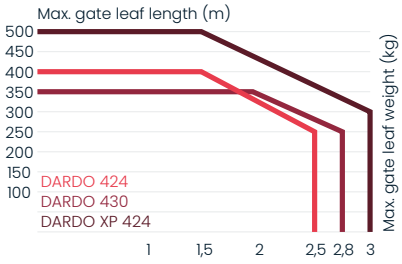


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **DARDO XP 424** | Max. 3 m \| 500 kg | 24 Vdc |
| **DARDO 430** | Max. 2,8 m \| 350 kg | 230 Vac |
| **DARDO 424** | Max. 2,5 m \| 400 kg | 24 Vdc |

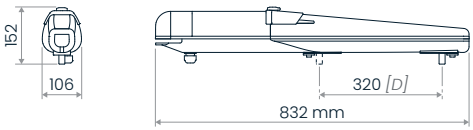
## TECHNICAL DATA

| | DARDO 424 | DARDO XP 424 | DARDO 430 |
|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 80 | 90 | 300 |
| Max. absorbed current (A) | 3,5 | 4 | 1,7 |
| Speed (mm/s) | 16 ÷ 20 *[C]* | 16 ÷ 20 *[C]* | 16 ÷ 20 *[C]* |
| Force (N) | 1000 | 1100 | 3000 |
| Duty cycle (cycles/hour) | 90 | 90 | 40 |
| Grade of protection IP | 44 | 44 | 44 |
| Working temperature (°C) | -20 ÷ +50 | -20 ÷ +50 | -20 ÷ +50 |
| Dimensions (mm) | 832x106x152 h | 832x106x152 h | 832x106x152 h |
| Weight (kg) | 6,5 | 6,5 | 8 |

## OPERATING LIMITS




## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[C] Opening and closing times depend on the fixing distances, speed adjustment and gate inertia.*
*[D] Without the mechanical stops it is possible to extend travel by 60 mm, but it is required that gate stops be fitted on to the ground both in open and closed gate positions.*

## KIT **DARDO 424 | 4240K0VL**



**2x DARDO 424**
electromechanical operator



**1x ELPRO 42**
control panel



**1x ZERO.PH**
pair of surface-mounted photocells



**1x ZERO.K**
surface-mounted key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver

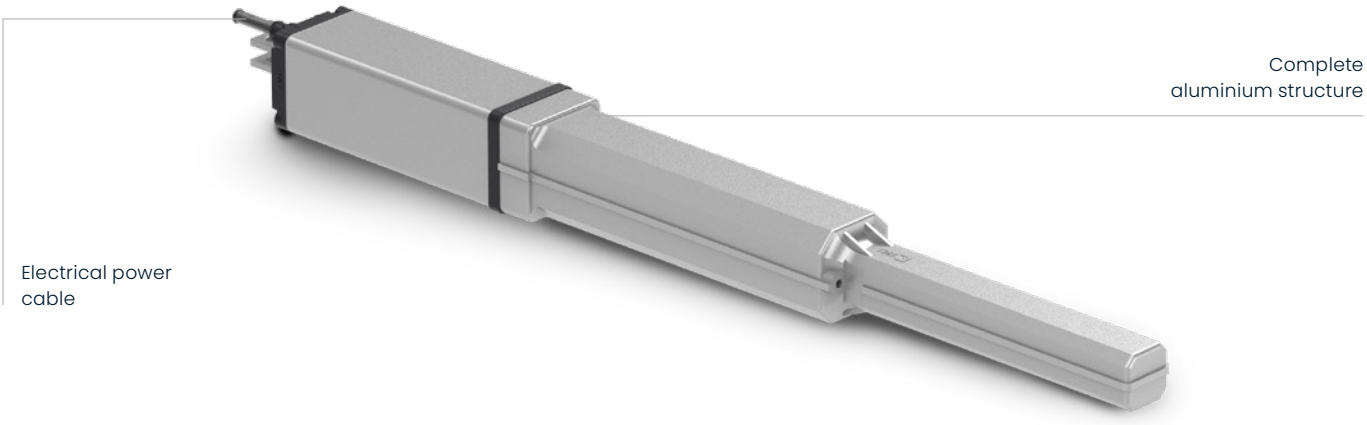


**1x** Warning plate

# HINDI 880 SPRINT

Oil-hydraulic operator on-the-gate mount
for residential and collective applications

**For swing gates with leaves up to 2,3 m**

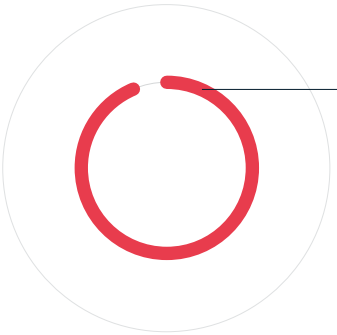



### Oil-hydraulic

Anti-crush safety ensured by the two by-pass valves incorporated in the operator. Easy release system by special key. Several options such as reversible non-locking, locking by hydraulic device in closed gate position or double locking.

### Robust

Simple to install and adjust.
It comes in a kit format including the accessories.



| Model | Operating limits *[A]* | Version |
|---|---|---|
| **HINDI 880 SPRINT** | Max. 2,3 m \| 400 kg | 230 Vac |

## TECHNICAL DATA

| | HINDI 880 SPRINT |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 250 |
| Max. absorbed current (A) | 1,2 |
| Speed (mm/s) | ~ 16 |
| Force (N) | 6200 |
| Duty cycle (cycles/hour) | 50 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -25 ÷ +80 *[E]* |
| Dimensions (mm) | 970x89x89 h |
| Weight (kg) | 9,5 |

## OPERATING LIMITS




## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*

## KIT HINDI 880 SPRINT | 8820K0VL



**2x HINDI 880 SPRINT**
oil-hydraulic operator



**1x ELPRO 27**
control panel



**1x TRIFO 11**
pair of surface-mounted photocells



**1x ZERO.K**
surface-mounted key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver



**1x** Warning plate

# NUPI 66

Oil-hydraulic operator on-the-gate mount
for residential and collective applications

**For swing gates with leaves up to 2,5 m**

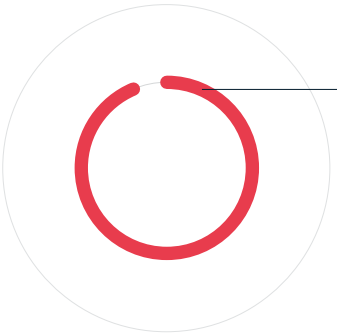



### Safe

Oil-hydraulic operator with an innovative valve assembly allowing for the thrust power to be controlled by the electronics.
Incorporated capacitor.
Stylish design and choice of high quality materials to make it highly resistant to weather conditions.

### Tested and certified

CE marking following type tests.

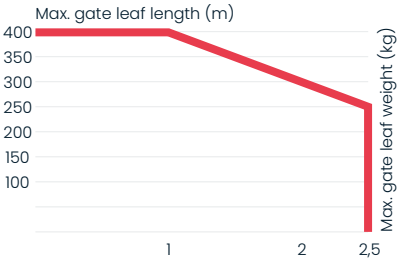


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **NUPI 66** | Max. 2,5 m \| 400 kg | 230 Vac |

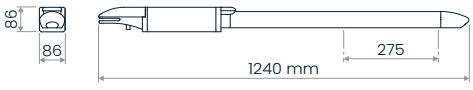
## TECHNICAL DATA

| | NUPI 66 |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 250 |
| Max. absorbed current (A) | 1,2 |
| Speed (mm/s) | ~ 16 |
| Force (N) | 6200 |
| Duty cycle (cycles/hour) | 50 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -25 ÷ +80 *[E]* |
| Dimensions (mm) | 1240x86x86 h |
| Weight (kg) | 9,5 |

## OPERATING LIMITS




## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*

## KIT **NUPI 66 | 6660K0VL**



**2x NUPI 66**
oil-hydraulic operator



**1x ELPRO 7 RP**
control panel



**1x TRIFO 11**
pair of surface-mounted photocells



**1x ZERO.K**
surface-mounted key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver

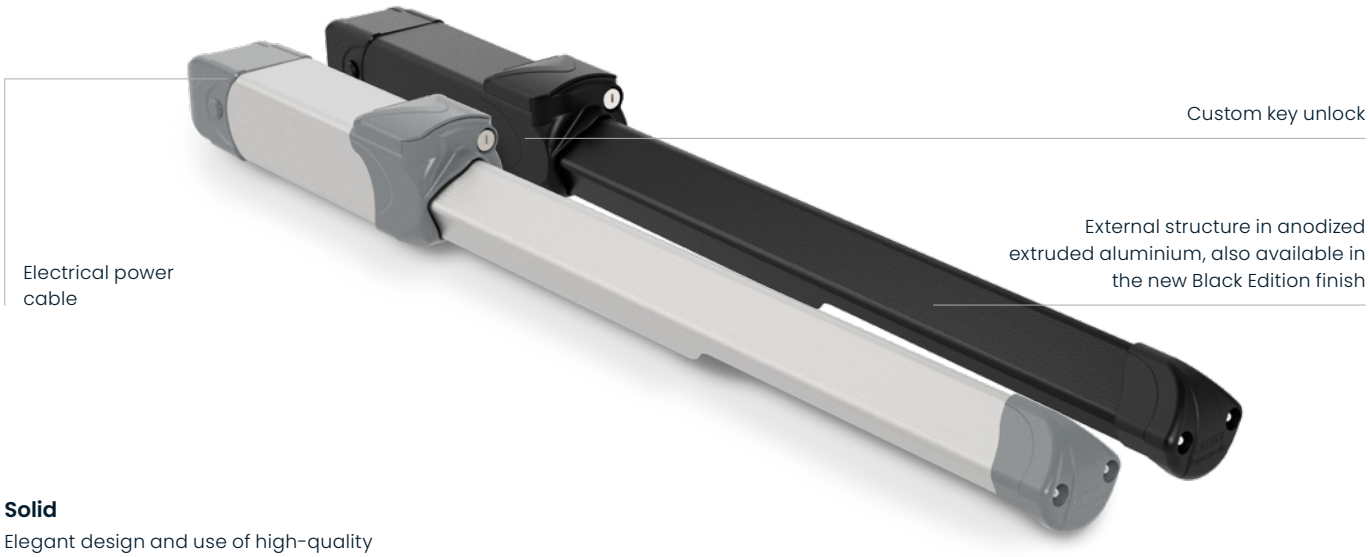



**1x** Warning plate

# HINDI 880 EVO

Oil-hydraulic operator on-the-gate mount
for residential, collective and industrial applications

**For swing gates with leaves up to 4,5 m
(8 m - model 400 mm | N)**

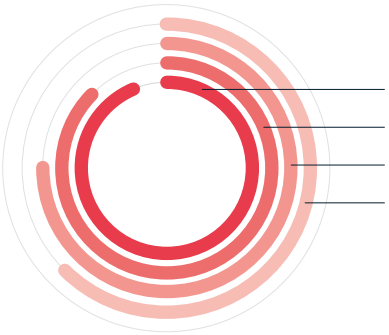



### Solid

Elegant design and use of high-quality materials ensure excellent resistance to weather conditions. Easy to install: mounted on the gate leaf with an adjustable spherical head. The innovative EVO valve allows a single model to set the desired hydraulic locking type: **N** reversible non-locking | **A** locking in open position | **B** locking in closed position | **BB** bidirectional locking. Hydraulic slowdown (braking) in opening only, in closing only, in opening and closing, or non-braking at all.

### Reliable

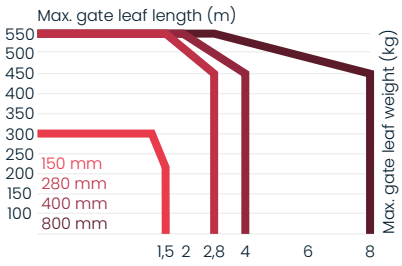
Anti-crush safety ensured by the two by-pass valves incorporated in the operator. CE marking following type tests.



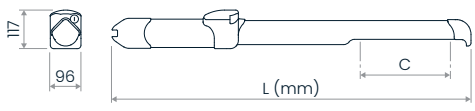
| Model | Operating limits *[A]* | Version |
|---|---|---|
| **400 mm \| N** | Max. 8 m \| 550 kg | 230 Vac |
| **400 mm** | Max. 4,5 m \| 550 kg | 230 Vac |
| **280 mm** | Max. 3,2 m \| 550 kg | 230 Vac |
| **150 mm** | Max. 1,5 m \| 300 kg | 230 Vac |

| TECHNICAL DATA | 150 | 280 | 400 |
|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 250 | 250 | 250 |
| Max. absorbed current (A) | 1,2 | 1,2 | 1,2 |
| Speed (mm/s) | 15 | 17 | 17 |
| Force (N) | 5600 | 5400 | 5200 |
| Duty cycle (cycles/hour) | 39 | 33 | 24 |
| Grade of protection IP | 67 | 67 | 67 |
| Working temperature (°C) | -25 ÷ +80 *[E]* | -25 ÷ +80 *[E]* | -25 ÷ +80 *[E]* |
| Dimensions (mm) | 830x96x117 h | 1094x96x117 h | 1374x96x117 h |
| Weight (kg) | 9,5 | 11 | 14 |

## OPERATING LIMITS




## DIMENSIONS




| | | | |
|---|---|---|---|
| C (effective stroke) | 145 | 275 | 395 |
| L | 830 | 1094 | 1374 |

*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*


GRAND CHEROKEE

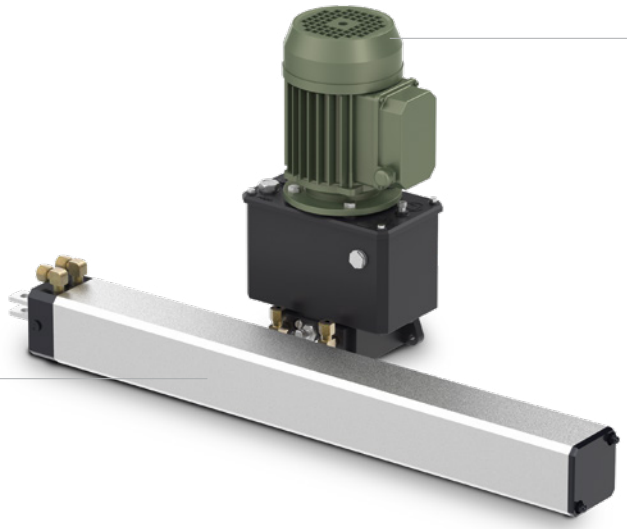
# MEC 800 SPECIAL

Oil-hydraulic operator on-the-gate mount with separate motor-pump for industrial applications

**For swing gates with leaves up to 10 m**

MEC 700/80 VENTIL
230 Vac oil-hydraulic motor-pump

External structure in anodized extruded aluminium

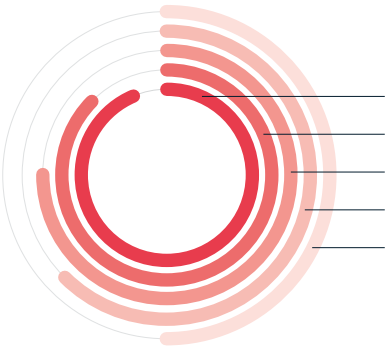


### Solid

Capable of operating large, (even in-filled) gates, doors and trap doors without limit of operations. Piston stroke options available up to 1000 mm. Hydraulic slowdown (braking) on opening/closing (optional). It is possible that even two operators can be fitted on to one single gate by using the double-tank, oil-hydraulic motor-pump unit.

### Reliable

Each component is of extremely high quality level and made to endure any weather conditions. Manual release by special spanner on the hydraulic control unit.

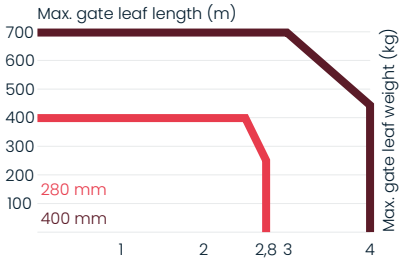


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **1000 mm** | Max. 10 m \| 1200 kg | 230 Vac |
| **800 mm** | Max. 8 m \| 1000 kg | 230 Vac |
| **600 mm** | Max. 6 m \| 800 kg | 230 Vac |
| **400 mm** | Max. 4 m \| 700 kg | 230 Vac |
| **280 mm** | Max. 2,8 m \| 400 kg | 230 Vac |

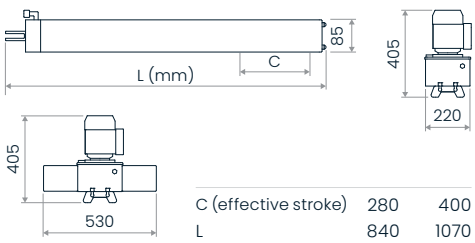
## TECHNICAL DATA

| | MEC 700/80 VENTIL HYDRAULIC CONTROL UNIT |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 510 |
| Max. absorbed current (A) | 2,4 |
| Speed (mm/s) | 12 |
| Force (N) | 7000 |
| Duty cycle (cycles/hour) | 50 |
| Grade of protection IP | 65 *[B]* |
| Working temperature (°C) | -25 ÷ +80 *[E]* |
| Dimensions (mm) | 85x110x840 h |
| Weight (kg) | 5,5 |

## OPERATING LIMITS




## DIMENSIONS




| | | |
|---|---|---|
| C (effective stroke) | 280 | 400 |
| L | 840 | 1070 |

*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[B] Inside the housing cover or casing.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*



# APROLI 280 series

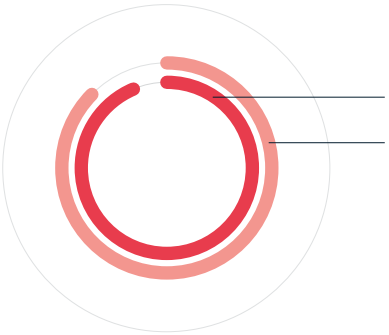
On-the-gate mount, oil-hydraulic operator with articulated arm for residential, collective and industrial applications

**For swing gates with leaves up to 2 m** (APROLI 280 BATT) **and 3 m** (APROLI 280/700 ROBUSTO)




**Solid**
For installations on gates with large pillars: operates effectively and quietly.
Wide range of versions to suit every type of installation: reversible without hydraulic lock, with hydraulic lock in opening and closing, with flow regulator.

**Safe**
Anti-crushing safety ensured by the by-pass valves fitted on the operator

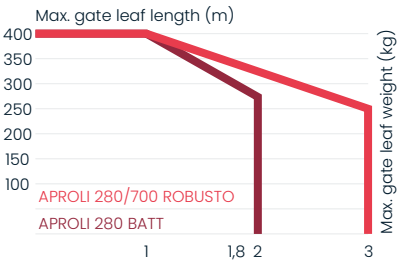


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **APROLI 280/700 ROBUSTO** | Max. 3 m \| 400 kg | 230 Vac |
| **APROLI 280 BATT** | Max. 2 m \| 400 kg | 230 Vac |

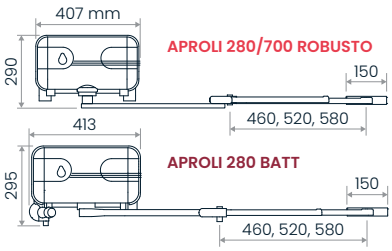
## TECHNICAL DATA

| | APROLI 280 BATT | APROLI 280/700 ROBUSTO |
|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 250 | 250 |
| Max. absorbed current (A) | 1,2 | 1,2 |
| Rotational speed (rpm) | 1,5 | 0,7 |
| Torque (Nm) | 300 | 400 |
| Duty cycle (cycles/hour) | 45 | 34 |
| Grade of protection IP | 67 | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 413x139x295 h | 407x139x290 h |
| Weight (kg) | 15 | 19 |

## OPERATING LIMITS




## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*



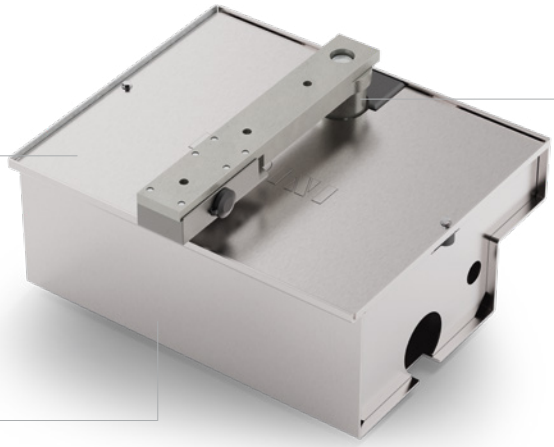
# FOX series

## Underground electromechanical mounted operator for residential and collective applications

**For swing gates with leaves up to 3,5 m**

Gear motor with steel-steel and steel-brass worm gear, lubricated with grease. Sealing gaskets on all fittings

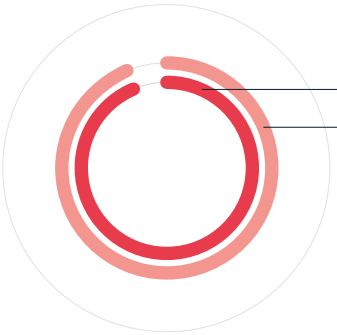
Available with three different foundation boxes: cold galvanized steel; hot-dip galvanized steel with stainless steel cover; stainless steel



The slow shaft, made of high-toughness steel, is supported by two radial ball bearings; in the FOX 724 (24 Vdc) version, the encoder is integrated

**Invisible**
Compact irreversible electromechanical operator housed inside its own 3 mm thick steel foundation box. MCBF 250.000 cycles. Battery backup available for the 24 Vdc version. Three models: FOX 724 at 24 Vdc with built-in encoder, FOX 730 with encoder, and FOX 730 (both at 230 Vac).

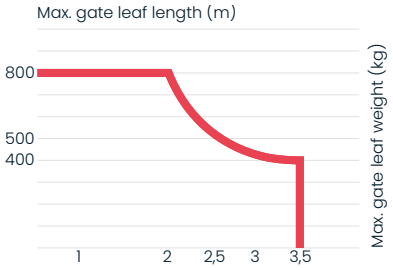
**Safe**
The anti-crushing protection system, thanks to the action of the encoder and constant amperometric monitoring, ensures the correct movement of the gate and the deceleration phases. It detects any obstacles and, if encountered, reverses the direction. IP67 watertight die-cast aluminium shell. The gate can be manually unlocked using the included shaped key.



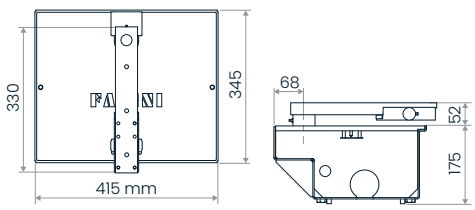
| Model | Operating limits *[A]* | Version |
|---|---|---|
| **FOX 724** | Max. 3,5 m \| 800 kg | 24 Vdc |
| **FOX 730** | Max. 3,5 m \| 800 kg | 230 Vac |

| TECHNICAL DATA | FOX 724 | FOX 730 |
|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 55 | 260 |
| Max. absorbed current (A) | 3,5 | 1,5 |
| Rotational speed (rpm) | 1,75 | 1,25 |
| Torque (Nm) | 280 | 750 |
| Duty cycle (cycles/hour) | 40 | 40 |
| Grade of protection IP | 67 | 67 |
| Working temperature (°C) | -20 ÷ +50 | -20 ÷ +50 |
| Dimensions (mm) | 415x345x175 h | 415x345x175 h |
| Weight (kg) | 10,5 | 12 |

### OPERATING LIMITS

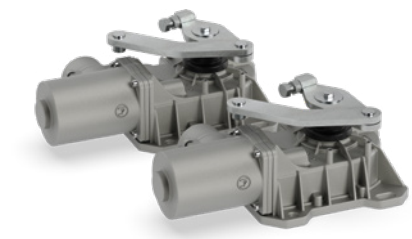



### DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*

## KIT **FOX 724** | **K724.8L**



**2x FOX 724**
electromechanical operator



**2x** cold galvanized foundation box, with locking device



**1x ELPRO 42**
control panel



**1x ZERO.PH**
pair of surface-mounted photocells



**1x ZERO.K**
surface-mounted key switch with standard cylinder



**1x ZERO.L**
flashing light
230 Vac - 24 Vac/dc



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver



**1x** Warning plate

# COMBI 740

Underground oil-hydraulic mounted operator
for residential and industrial applications

**For swing gates with leaves up to 4 m**

Emergency release control made of pressed steel, easy to operate from both inside and outside by means of a dedicated key with ergonomic handle



Shaft rotation up to 110° or up to 175°

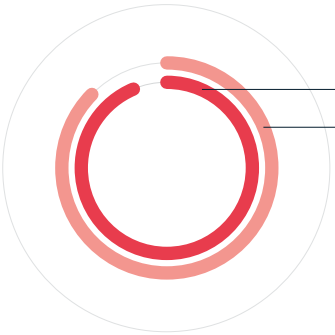
Foundation box in 3 mm thick steel with electro-galvanized treatment. Available in AISI 304 stainless steel

### Discreet, strong and invisible

Compact oil-hydraulic operator consisting of a hydraulic control unit and integrated ram, housed inside the foundation box. It does not require special maintenance. Wide range of versions to suit every type of installation: reversible without hydraulic lock, with bidirectional hydraulic lock (irreversible), with self-braking hydraulic slow-down in opening and closing, and with flow regulator.

### Tested and certified

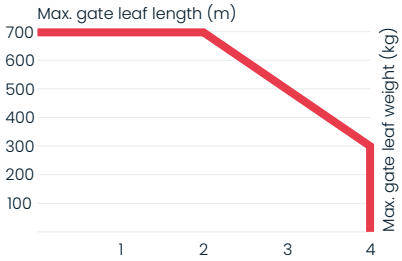
Anti-crushing safety ensured by the by-pass valves fitted on the operator. CE marked with type-tested certification.



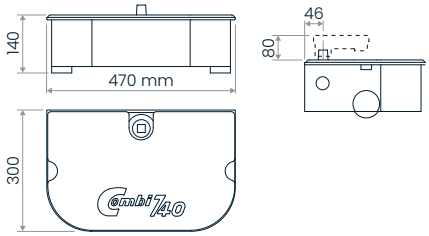
| Model | Operating limits *[A]* | Version |
|---|---|---|
| Self-braking | Max. 4 m \| 700 kg | 230 Vac |
| - | Max. 3 m \| 700 kg | 230 Vac |

| TECHNICAL DATA | 110° | 175° |
|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 |
| Max. absorbed power (W) | 250 | 250 |
| Max. absorbed current (A) | 1,2 | 1,2 |
| Rotational speed (rpm) | 0,7 | 0,7 |
| Torque (Nm) | 400 | 400 |
| Duty cycle (cycles/hour) | 45 | 40 |
| Grade of protection IP | 67 | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 470x300x140 h | 470x300x140 h |
| Weight (kg) | 27 | 27 |

### OPERATING LIMITS




### DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*

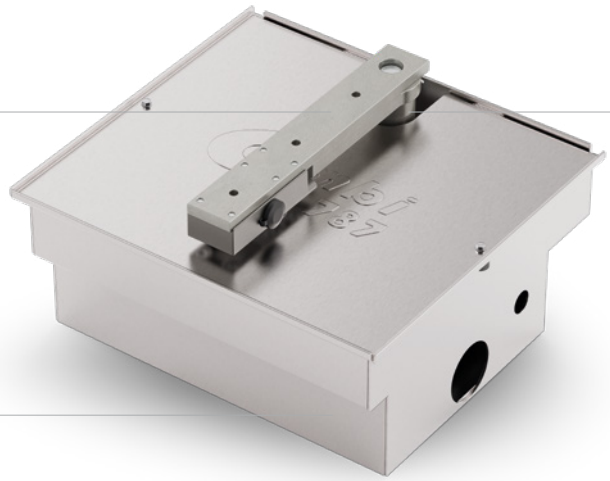


# COMBI 787

## Underground oil-hydraulic mounted operator for residential and industrial applications

**For swing gates with leaves up to 6 m**

Emergency release control in pressed steel, easy to operate from both inside and outside by means of a dedicated key with ergonomic handle

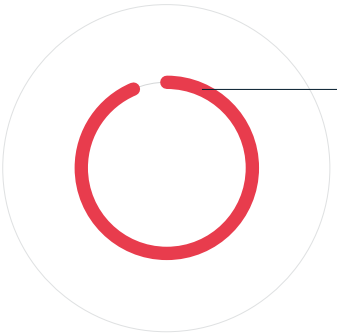


Shaft rotation up to 110°

Foundation box in 5 mm thick steel with electro-galvanized treatment. Available in AISI 304 stainless steel

### Discreet, strong and invisible

Compact hydraulic operator consisting of a hydraulic control unit and integrated ram housed inside the foundation box. Adjustable mechanical stops, both in opening and closing, can be fixed directly inside the box. The operator can be installed or removed without removing the gate leaf. Wide range of versions available: reversible without hydraulic lock, with bidirectional hydraulic lock (irreversible), with self-braking hydraulic slow-down in opening and closing, and with flow regulator.



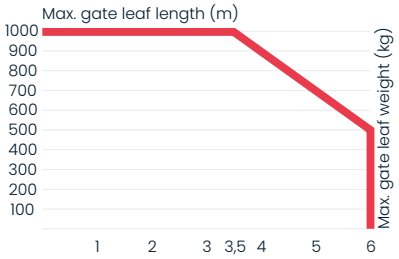
### Safe

Anti-crushing safety ensured by the by-pass valves fitted on the operator.

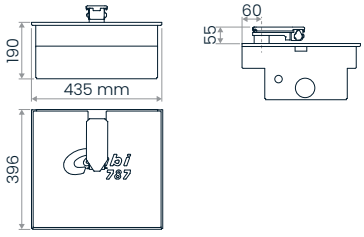
| Model | Operating limits *[A]* | Version |
|---|---|---|
| **COMBI 787** | Max. 6 m \| 1000 kg | 230 Vac |

| TECHNICAL DATA | COMBI 787 |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 330 |
| Max. absorbed current (A) | 1,8 |
| Rotational speed (rpm) | 0,7 |
| Torque (Nm) | 400 |
| Duty cycle (cycles/hour) | 45 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 435x396x190 h |
| Weight (kg) | 34 |

### OPERATING LIMITS




### DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*



# DRIVE 700

Underground oil-hydraulic mounted operator with separate motor-pump for residential and industrial applications

**For swing gates with leaves up to 4 m**

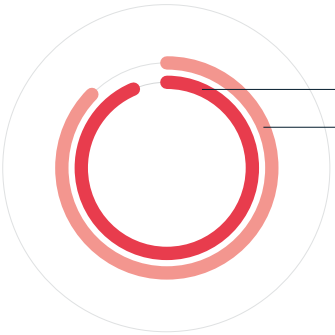



### Oil-hydraulic

Oil-hydraulic motor-pump installed separately from the oil-hydraulic jack which is inside an aluminium foundation box. Wide range of versions to meet any installation requirements: reversible without hydraulic locking device, irreversible with bidirectional hydraulic locking device, with hydraulic slowdown (braking) in opening and closing.

### Reliable

Anti-crush safety ensured by the by-pass valves fitted on the motor-pump.
Quiet and reliable operations.

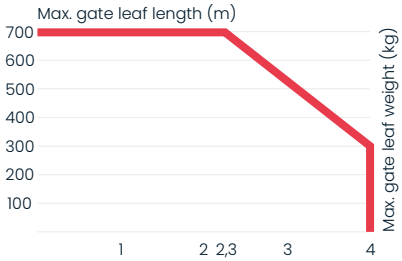


| Model | Operating limits *[A]* | Version |
|---|---|---|
| Self-braking | Max. 4 m \| 700 kg | 230 Vac |
| - | Max. 3 m \| 700 kg | 230 Vac |

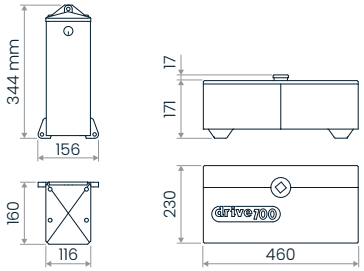
## TECHNICAL DATA

| | DRIVE 700 |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 400 |
| Max. absorbed current (A) | 2 |
| Rotational speed (rpm) | 0,7 |
| Torque (Nm) | 235 |
| Duty cycle (cycles/hour) | 45 [110°] \| 40 [175°] |
| Grade of protection IP | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 156x160x344 h [DRIVE 700 ESTRU]<br>460x230x171 h [JACK] |
| Weight (kg) | 8 [DRIVE 700 ESTRU] \| 16 [JACK] |

## OPERATING LIMITS




## DIMENSIONS




*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*



# Swing gates accessories

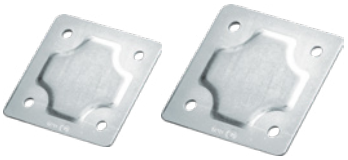
## **DARDO** series



**429L**

Battery charger electronic board for battery code 632L, accessory for ELPRO 42 electronic control panel. Only for **DARDO 424**

## HINDI 880 EVO



**8310L | 8311L**

120 x 120 mm zinc-coated plate to weld, for the front fixing bracket.

150 x 150 mm zinc-coated plate to weld, for the rear fixing bracket



**8312L**

84 x 84 mm zinc-coated plate

## MEC 800 SPECIAL



**705L**

Copper tube ø 8 mm (50 m/pack)



**709L**

Copper tube ø 8 mm (2 m/pack)



**7013L**

4-way pipe connecting block



**7016L**

Zinc-coated metal sheet protection casing for the single-tank oil-hydraulic motor pump MEC 700/80 VENTIL, complete with fastening support. Dimensions (mm): 250x350x460 h



**7018L**

Flexible pipe x 0,6 m



**7019L**

Flow regulator with connecting joints



**7025L**

Zinc-coated metal sheet protection enclosure for the double-tank oil-hydraulic motor pump MEC 700/80 VENTIL, complete with fastening support. Dimensions (mm): 250x590x460 h



**7038L**

6-way pipe connecting block



**9730L**

Thermal probe with 230 Vac - 50 Hz electric resistor, complete with power supply cable

## **APROLI 280** series



**283L**

Galvanized steel articulated arm for **APROLI 280 BATT**



**299DXL**

Steel and aluminium extendable articulated arm with sliding guide for **APROLI 280/700 ROBUSTO**. Right-hand



**299SXL**

Steel and aluminium extendable articulated arm with sliding guide for **APROLI 280/700 ROBUSTO**. Left-hand

## **FOX** series



**727L**

Self-supporting foundation box, made of **cold-galvanized** steel and complete with cover. Equipped with emergency manual release device with ergonomic-handle key and mechanical stop for the gate leaf on opening



**728L**

Self-supporting foundation box, made of **hot-dip** galvanized steel and complete with stainless steel cover. Equipped with emergency manual release device with ergonomic-handle key and mechanical stop for the gate leaf on opening



**729L**

Self-supporting foundation box, made entirely of **stainless steel** and complete with cover. Equipped with emergency manual release device with ergonomic-handle key and mechanical stop for the gate leaf on opening



**733L**

Chain device for 360° opening of the gate leaf

## **COMBI 740**



**745L**

Foundation box made of zinc-coated steel complete with aluminium cover



**746DXL**

Zinc-coated steel plate with F-ring with square hole to be welded under the gate. **Right-hand**



**746SXL**

Zinc-coated steel plate with F-ring with square hole to be welded under the gate. **Left-hand**



**747L**

Zinc-coated steel, preparatory distance support with base plate and bronze washer. It is used inside the foundation box to allow manual opening and closing of the gate without any motor operator fitted to it



**748DXL**

Zinc-coated, pressed steel manual emergency release bracket with spanner having an ergonomic grip, to be fitted under the gate. **Right-hand**



**748SXL**

Zinc-coated, pressed steel manual emergency release bracket with spanner having an ergonomic grip, to be fitted under the gate. **Left-hand**



**761L**

F-ring with square hole



**762L**

Foundation box made of AISI 304 stainless steel complete with aluminium cover



**7033L**

Zinc-coated steel arm and guide for off-axis gate installations. Only for the **175°** versions of **COMBI 740** and **DRIVE 700** models

## COMBI 787



**7871L**

Gate supporting foundation box, complete with cover, both made of zinc-coated steel. It makes installation and maintenance easier as there is no need to remove the gate



**7872L**

Pressed steel, zinc-coated complete set for emergency manual release to be fitted under the gate, spanner with ergonomic grip and open/close mechanical stops



**7873L**

Gate supporting foundation box with cover: both components are AISI 304 stainless steel, 3 mm. It makes installation and maintenance easier as there is no need to remove the gate

## DRIVE 700



**7027L**

Foundation box complete with aluminium cover, F-ring with square hole and zinc-coated steel anchoring plate



**7029L**

F-ring with square hole to be welded under the gate



**7033L**

Zinc-coated steel arm and guide for off-axis gate installations. Only for the **175°** versions of **COMBI 740** and **DRIVE 700** models

## COMMON ACCESSORIES



**708L**

Hydraulic "FADINI HF.PLI oil", in 2 litre can




**2127L**

Warning plate

## ELECTRONIC CONTROL PANELS



**ELPRO 42 | 4200L**

for **DARDO 424**, **DARDO XP 424** and **FOX 724**
External control panel for the operator



**ELPRO 42 - 110 V | 4202L**

for **DARDO 424** and **DARDO XP 424** (110 Vac)
External control panel for the operator



**ELPRO 43 | 4300L**

for **DARDO 430** and **FOX 730**
External control panel for the operator



**ELPRO 7 RP | 6610L**

for **NUPI 66**
External control panel for the operator



**ELPRO 27 | 7047L**

for **HINDI 880 SPRINT, HINDI 880 EVO, MEC 800 SPECIAL, APROLI 280 BATT, APROLI 280/700 ROBUSTO, COMBI 740, COMBI 787** and **DRIVE 700**
External control panel for the operator



**ELPRO 27 HP - 110 V | 7048L**

External control panel for the operator



**ELPRO 27 HP -230 V | 7042L**

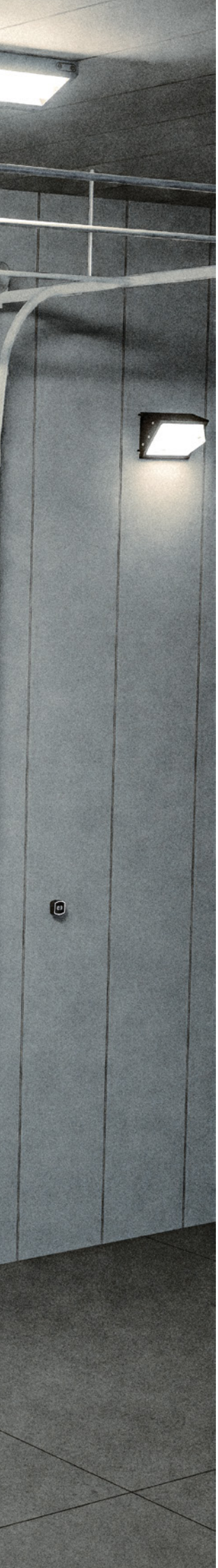
External control panel for the operator



**ELPRO 37 DB | 7183L**

External control panel for the operator





# Automation for **GARAGE AND INDUSTRIAL DOORS**

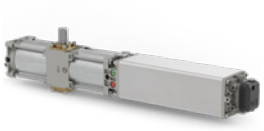

| | |
|---|---|
| **APROLI 380 LB** | 94 |
| **MEC 200 LB** | 96 |
| **FIBO LB** series | 98 |
| **APROLI 480** | 100 |

# GUIDE TO CHOICE

## INDUSTRIAL AND GARAGE DOORS

### FOR FOLDING DOORS WITH TWO PANELS

| | | | | |
|---|---|---|---|---|
| **APROLI 380 LB**<br>max. 250 kg | 230 Vac<br>1-phase | | | **394DXL**<br>**394SXL** |

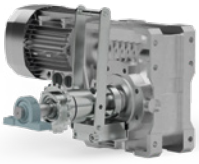


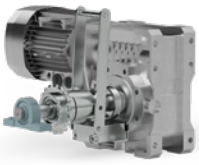
### FOR SECTIONAL, FOLDING AND INDUSTRIAL DOORS

| | | | | |
|---|---|---|---|---|
| **MEC 200 LB**<br>max. 25 m² | 230 Vac<br>1-phase | 0,5 HP | **20514L** | |
| | | | **205148L** | |
| | 230/400 Vac<br>3-phase | 0,5 HP | **205180L** | |
| | | | **2051L** | |
| **MEC 200 LB**<br>max. 50 m² | 230 Vac<br>1-phase | 1 HP | **2052567L** | |
| | 230/400 Vac<br>3-phase | 1 HP | **2052L** | |
| | | | **205267L** | |
| | 230/400 Vac<br>3-phase | 1,5 HP | **2058L** | |
| | | | **205867L** | |
| **FIBO 300 LB**<br>> 50 m² | 230/400 Vac<br>3-phase | 1,5 HP | **2220L** | |
| **FIBO 400 LB**<br>> 50 m² | 230/400 Vac<br>3-phase | 3 HP | **2223L** | |









**FOR OVERHEAD DOORS**

| | | | | | |
|---|---|---|---|---|---|
| **APROLI 480**<br>max. 7 m² | | | | 230 Vac<br>1-phase | **482L** |

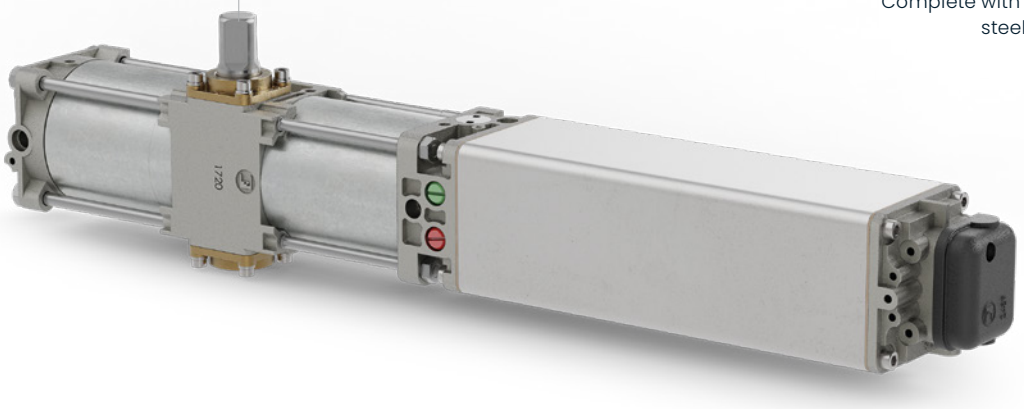


# APROLI 380 LB

Oil-hydraulic operator for folding doors with two panels for industrial applications

Case-hardened steel drive shaft for long-lasting reliability and durability

Complete with electro-galvanized steel wall-fixing bracket

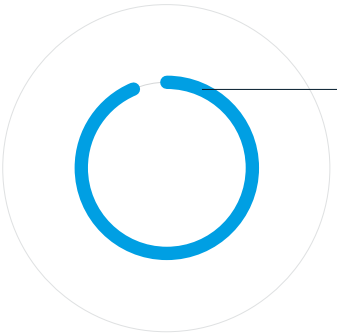


**Oil-hydraulic**

Anti-crush safety ensured by the by-pass valves fitted on the operator. Smooth movements and reliable performance.

**Safe**

Manual lever release on the operator.

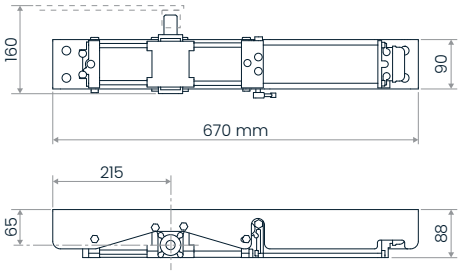


| Model | Operating limits *[A]* | Version |
|---|---|---|
| **APROLI 380 LB** | 250 kg | 230 Vac |

## TECHNICAL DATA

| | APROLI 380 LB |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 250 |
| Max. absorbed current (A) | 1,2 |
| Rotational speed (rpm) | 1,5 |
| Torque (Nm) | 196,2 |
| Duty cycle (cycles/hour) | 45 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 670x88x160 h |
| Weight (kg) | 10,5 |

## DIMENSIONS



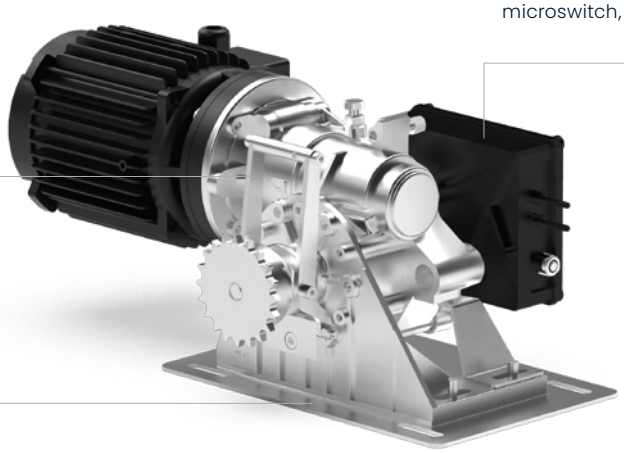

*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*
*[E] Down to -40 °C with specific optional accessories, see page 28.*



# MEC 200 LB

Electromechanical gear motor with
chain drive system for sectional, folding and industrial doors

Limit switch device complete with housing, microswitch, terminal board, gears and adjusters. For doors up to 8 m long.



Release lever control, complete with steel cable (optional) and key for resetting the control

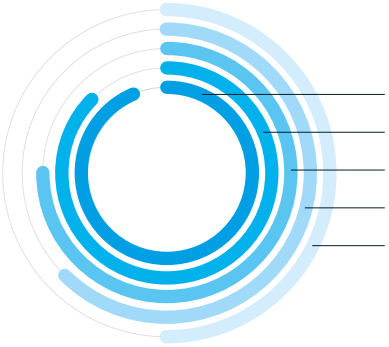
Die-cast aluminium base

**STRONG**

230 Vac and 400 Vac gear motor, coupling of the worm gear with the bronze crown gear in an oil bath, on ball bearings. Adjustment of the torque by mechanical clutch and of the limit switch stop positions on opening and closing.

**Safe**

Wide range of accessories for a complete installation.

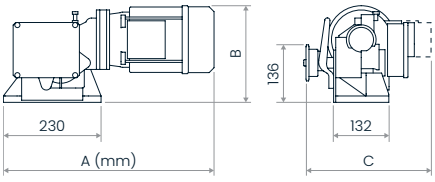


| Model | Operating limits | Version |
|---|---|---|
| **1,5 HP** 3-phase | Max. 50 m² | 230/400 Vac |
| **1 HP** 3-phase | Max. 50 m² | 230/400 Vac |
| **1 HP** 1-phase | Max. 50 m² | 230 Vac |
| **0,5 HP** 3-phase | Max. 25 m² | 230/400 Vac |
| **0,5 HP** 1-phase | Max. 25 m² | 230 Vac |

## TECHNICAL DATA

| | 0,5 HP - 1PH | 1 HP - 1PH | 1 HP - 3PH | 1,5 HP - 3PH |
|---|---|---|---|---|
| Power supply (Vac - Hz) | 230 - 50 | 230 - 50 | 230/400 - 50 | 230/400 - 50 |
| Max. absorbed power (W) | 510 | 1130 | 1030 | 1500 |
| Max. absorbed current (A) | 2,4 | 5,7 | 3,7/2,2 | 5,1/3 |
| Speed (m/min) | 9,6 | 9,6 | 9,6 | 9,6 |
| Force (N) | 1100 | 2200 | 2200 | 3000 |
| Duty cycle (cycles/hour) | 45 | 45 | 45 | 45 |
| Grade of protection IP | 55 | 55 | 55 | 55 |
| Working temperature (°C) | -20 ÷ +80 | -20 ÷ +80 | -20 ÷ +80 | -20 ÷ +80 |
| Dimensions (mm) | 405x225x230 h | 470x290x225 h | 460x255x225 h | 460x255x225 h |
| Weight (kg) | 19 | 23 | 21 | 25 |

## DIMENSIONS

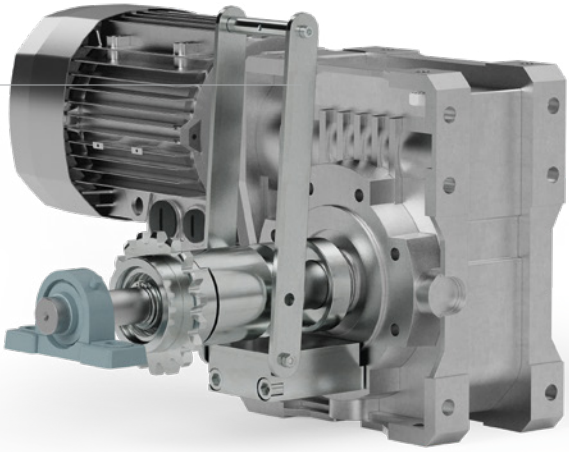



| ELECTRIC MOTORS | | A | B | C |
|---|---|---|---|---|
| 0,5 HP (0,37 kW) | 1HP | 405 | 230 | 225 |
| | 3PH | 390 | 220 | 225 |
| 1 HP (0,73 kW) | 1PH | 470 | 225 | 290 |
| | 3PH | 460 | 225 | 255 |
| 1,5 HP (1,1 kW) | 3PH | 460 | 225 | 255 |



# FIBO LB series

## Electromechanical gear motor with chain drive system for industrial doors



Release lever control, complete with steel cable (optional) and key for resetting the control

### Reliable

Gear motor for applications where transmission is by metal chain, specific for industrial doors sliding on a guide system, single panel or multi-panels folding to one side. Coupling of the worm gear with the bronze crown gear in an oil bath, on ball bearings.

### Strong

Safe thanks to the mechanical clutch. Manual release system allowing hand operations of the door in case of electric power failure.



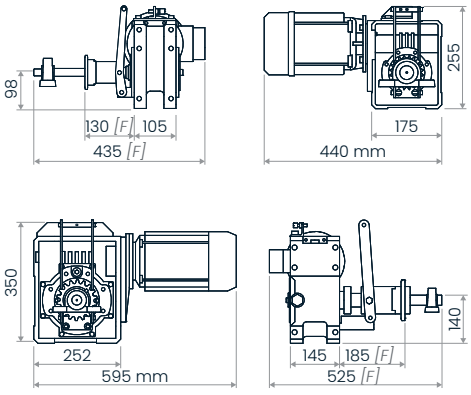
| Model | Operating limits | Version |
|---|---|---|
| **FIBO 400 LB** | > 50 m² | 230/400 Vac |
| **FIBO 300 LB** | > 50 m² | 230/400 Vac |

### TECHNICAL DATA

| | FIBO 300 LB | FIBO 400 LB |
|---|---|---|
| Power supply (Vac - Hz) | 230/400 - 50/60 | 230/400 - 50/60 |
| Max. absorbed power (W) | 1500 | 2800 |
| Max. absorbed current (A) | 5,1/3 | 9,4/5,4 |
| Speed [50 Hz \| 60 Hz] (rpm - m/min) | 1400 - 9 \| 1700 - 11 | 1400 - 9 \| 1700 - 11 |
| Force [50 Hz \| 60 Hz] (N) | 5400 \| 4400 | 15.000 \| 12.000 |
| Duty cycle (cycles/hour) | 33 | 33 |
| Grade of protection IP | 55 | 55 |
| Working temperature (°C) | -25 ÷ +80 | -25 ÷ +80 |
| Dimensions (mm) | 440x435x255 h | 595x525x350 h |
| Weight (kg) | 28 | 52 |

*[F] The measurement can change according to the version.*

### DIMENSIONS





# APROLI 480

Oil-hydraulic operator for residential applications

**For overhead doors up to 7 m²**




### Powerful and quiet

230 Vac oil-hydraulic operator for overhead doors, either jutting or non jutting types. By-pass valves ensure anti-crush safety.

### Simple

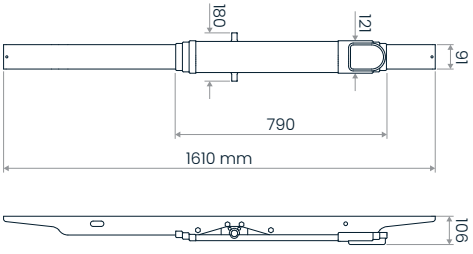
To install and fix, adaptable even to existing doors.

| Model | Operating limits | Version |
|---|---|---|
| **APROLI 480** | 7 m² | 230 Vac |

## TECHNICAL DATA

| | APROLI 480 |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 330 |
| Max. absorbed current (A) | 1,8 |
| Rotational speed (rpm) | 1,7 |
| Torque (Nm) | 300 |
| Duty cycle (cycles/hour) | 60 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -20 ÷ +80 *[E]* |
| Dimensions (mm) | 1610x106x180 h |
| Weight (kg) | 11 |

## DIMENSIONS




*[E] Down to -40 °C with specific optional accessories, see page 28.*

## KIT APROLI 480 | 465K0VL



**1x APROLI 480**
Oil-hydraulic operator



**1x** Hardware fixing kit for one operator



**1x ELPRO 6 exp**
control panel



**1x TRIFO 11**
pair of surface-mounted photocells



**1x BIRIO A8**
rod aerial complete with support for wall-fixing



**1x VIX 53/4 TR**
868.19 MHz 4-channel transmitter, lime green



**1x VIX 53/2 R**
868.19 MHz plug-in radio receiver



**1x** Warning plate

# Garage and industrial door accessories

## APROLI 380 LB



**395L**

Protection cover



**396L**

Fixing hardware kit for one operator. The kit includes the following zinc-coated steel items: fixing bracket, bushing with square hole and telescopic arm



**708L**

Hydraulic “FADINI HF.PLI oil”, in 2 litre can

## MEC 200 LB



**66L**

Eyelet release lever. Factory fitted



**2036L**

Zinc-coated pinion 1/2” Z40, hole ø 25 mm, for sectional doors



**2044L**

Cable-operated release lever, complete with 7 m metal cable and key to reset the device



**2046L**

Zinc-coated steel base plate for wall fixing



**2053L**

Chain stretcher with 1/2” Z20 pinion and zinc-coated steel support bracket with adjusting device



**2054L**

1/2” chain, 5 m length



**2055L**

Zinc-coated pinion 1/2” Z20



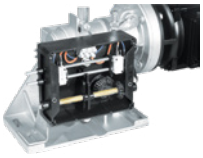
**2056L**

Zinc-coated pinion 1/2” Z20 with shaft and bearing



**2057L**

Opening and closing limit switch, to be fitted externally from the gear motor



**2059L**

Incorporated limit switch complete with box, micro-switches, terminal board, gears and adjustments. Suitable to doors up to 8 m max. width. Factory fitted



**706L**

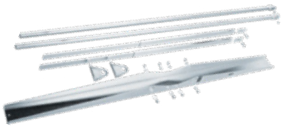
"FADINI UTTO oil" for gears, in 2 litre can

## APROLI 480



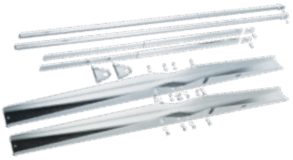
**244L**

External release device with lock, two keys and metal cable



**483L**

Hardware fixing kit for one APROLI 480 operator. The kit includes the following zinc-coated steel items: telescopic arms, 1,5 m transmission bars, fixing bracket and two bar supports



**484L**

Hardware fixing kit for two APROLI 480 operators on the same door. The kit includes the following zinc-coated steel items: telescopic arms, 1,5 m transmission bars, two fixing brackets and two bar supports



**486L**

Zinc-coated steel fixing bracket



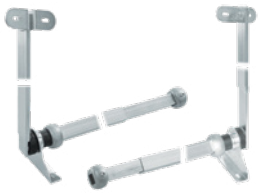
**510L**

Cover complete with courtesy light



**511L**

Pair of curved telescopic arms, made of zinc-coated steel



**512L**

Hardware fixing kit for one operator, to suit doors up to 3,5 m width x 2,7 m height. No welding required. The kit includes the following zinc-coated steel items: fixing bracket, transmission bars, lateral supports, straight telescopic arms



**513L**

Pair (right and left) of curved telescopic arms complete with: movement pivot and guide sleeves, two fixing bolts, four angle attaching plates in zinc-coated steel and two nylon bushings



**708L**

Hydraulic "FADINI HF.PLI oil", in 2 litre can

## **FIBO** series



**706L**

"FADINI UTTO oil" for gears, in 2 litre can

## COMMON ACCESSORIES




**2127L**

Warning plate

## ELECTRONIC CONTROL PANELS



**ELPRO 6 exp | 243L**

for **APROLI 480**
External control panel for the operator



**ELPRO 27 | 7047L**

for **APROLI 380 LB**
External control panel for the operator



**ELPRO 37 | 7087L**

for **MEC 200 LB**
External control panel for the operator



**ELPRO 37 HP | 7185L**

for **FIBO 300 LB** and **FIBO 400 LB**
External control panel for the operator


FAINI
FAINI
FAINI



# AUTOMATIC BARRIERS


| | |
|---|---|
| **BARRI 88** | 110 |
| **BAYT 980** | 112 |

# GUIDE TO CHOICE

## AUTOMATIC BARRIERS

**AUTOMATIC**

| | | | |
|---|---|---|---|
| **BARRI 88**<br>up to 4 m | | 230 Vac | **1188DXL** \| **1188SXL** |
| **BAYT 980**<br>up to 8 m | | 230 Vac | **9801DXL** \| **9801SXL**<br>**9802DXL** \| **9802SXL**<br>**9803DXL** \| **9803SXL**<br>**9804DXL** \| **9804SXL**<br>**9805DXL** \| **9805SXL**<br>**9811DXL** \| **9811SXL**<br>**9812DXL** \| **9812SXL**<br>**9813DXL** \| **9813SXL**<br>**9814DXL** \| **9814SXL**<br>**9815DXL** \| **9815SXL** |







## MANUAL

| | | |
|---|---|---|
| **BAYT 980**<br>up to 6 m | | **9892DXL \| 9892SXL** |
| | | **9841DXL \| 9841SXL** |
| | | **9895DXL \| 9895SXL** |
| | | **9843DXL \| 9843SXL** |





# BARRI 88

Automatic barrier
for residential and collective applications

**Boom up to 4 m**




### Anti-crush safety

230 Vac oil-hydraulic operator, boom slowdown in opening and closing. Ideal for residential and collective access control.

### Quick and smooth movements

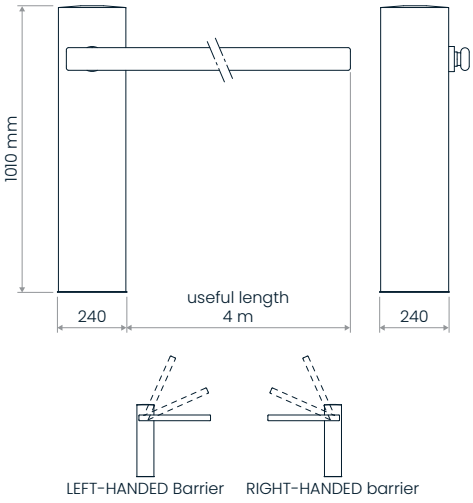
Reinforced structure made of RAL 1018 zinc yellow powder coated steel, incorporated electronic control panel.
Anodised aluminium boom with an oval section design.

| Model | Operating limits | Version |
|---|---|---|
| **BARRI 88** | 4 m | 230 Vac |

## TECHNICAL DATA

| | **BARRI 88** |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 330 |
| Max. absorbed current (A) | 1,8 |
| Opening time (s) | 5 |
| Max. torque (Nm) | 0 ÷ 300 |
| Duty cycle (cycles/hour) | 60 |
| Grade of protection IP | 67 |
| Working temperature (°C) | -20 ÷ +80 |
| Dimensions (mm) | 240x240x1010 h |
| Weight (kg) | 58 (without boom) |

## DIMENSIONS





# BAYT 980

Automatic barrier
for residential, industrial and urban applications

**Boom up to 8 m**




Control panel located under the cover for easy access

Elliptical aluminium boom with integrated LED lights

Provision for photocells

Cabinet available in satin-finished AISI 304 stainless steel

## BAYT 980 VELOCE

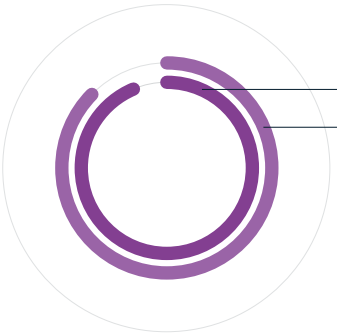
Opening time **2 s**
Oil-hydraulic technology

### Oil-hydraulic safety

230 Vac oil-hydraulic operator with integrated hydraulic power unit and ram. Ideal for high-intensity applications: car parks, private entrances, public passages and industrial, residential and urban areas.

### Robust

Reinforced powder-coated steel structure for high resistance to weathering, or available in satin-finished AISI 304 stainless steel. Oval-section anodised aluminium boom, available in various lengths, with aluminium expansion joint; high wind resistance.

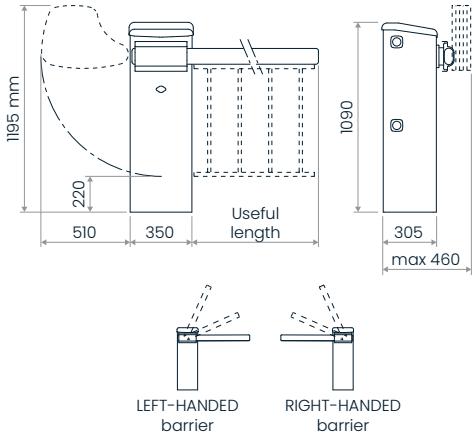


| Model | Operating limits | Version |
|---|---|---|
| **Automatic** | 8 m | 230 Vac |
| **Manual** | 6 m | - |

## TECHNICAL DATA

| | BAYT 980 |
|---|---|
| Power supply (Vac - Hz) | 230 - 50 |
| Max. absorbed power (W) | 510 |
| Max. absorbed current (A) | 2,4 |
| Opening time (s) | 2 ÷ 19 |
| Max. torque (Nm) | 0 ÷ 600 |
| Duty cycle (cycles/hour) | 514 |
| Grade of protection IP | 65 |
| Working temperature (°C) | -20 ÷ +80 |
| Dimensions (mm) | 350x305x1090 h |
| Weight (kg) | 75 (without boom) |

## DIMENSIONS




FADINI

# A solution for every type of access

**BAYT 980** can be configured with different types of booms and accessories, to best suit the width of the access point, the required level of security and the visibility needs of the system.
From the simplest configuration to the most complete one, every solution is designed to ensure practicality, reliability and maximum integration within the installation context.

### STANDARD BOOM
**Simple, essential and functional**



The standard boom configuration is the most versatile solution for controlling vehicle entrances, car parks, company areas and private zones. A practical and reliable system, suitable for the most common installations.

Standard booms are available in different lengths, to be selected according to the width of the access point to be controlled:
**1936L** | 1,75 m - **1937L** | 2,85 m - **1940L** | 3,85 m - **1941L** | 4,95 m
**1942L** | 6,05 m - **1943L** | 7,05 m - **1944L** | 8,15 m.

### BOOM WITH VISUAL SIGNALLING
**Maximum visibility in all conditions**

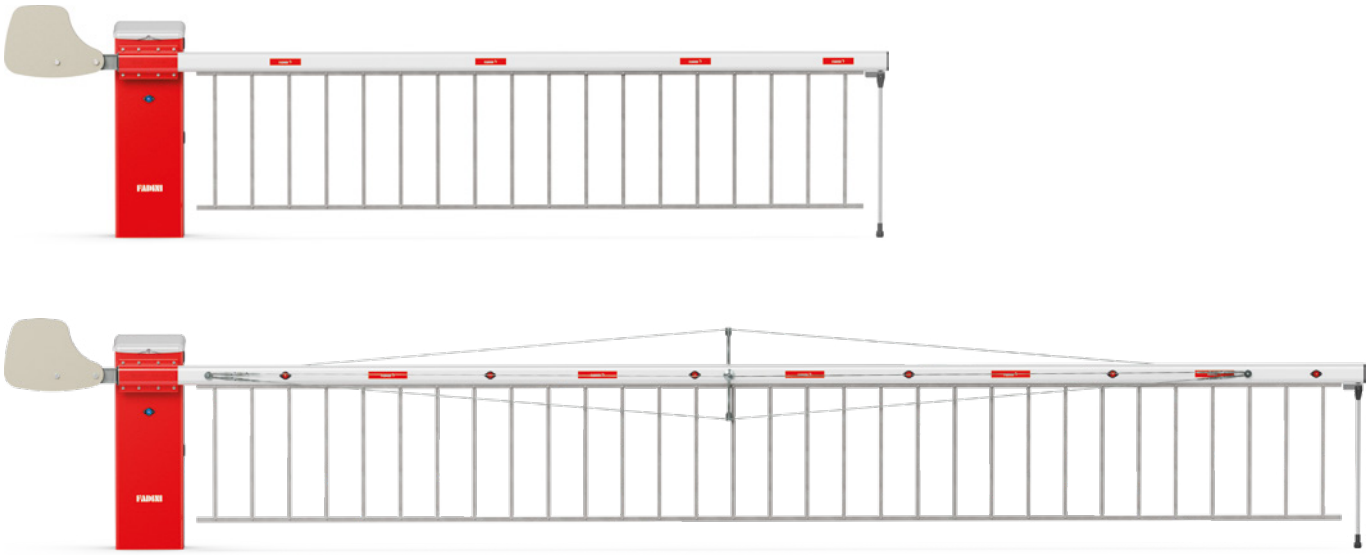


An ideal configuration for access points where it is important to make the boom clearly visible during opening and closing operations. The signalling elements fitted to the boom improve the perception of the access point and increase system safety.

With the addition of accessory **7283L**, it is also possible to integrate a traffic-light function directly on the boom: green when the barrier is open and red when the barrier is closed, for an even clearer and more immediate indication of the access point status.

Booms with fitted LEDs are available in different lengths, to be selected according to the width of the access point to be controlled:
**9861L** | 1,75 m - **9862L** | 2,85 m - **9863L** | 3,85 m - **9864L** | 4,95 m
**9865L** | 6,05 m - **9866L** | 7,05 m - **9867L** | 8,15 m.

### BOOM WITH FENCE (SKIRT)
**Greater safety for pedestrian areas and wide access points**



The skirt fitted beneath the boom allows the passage area to be more effectively delimited, making the access point more visible and safer.
It is particularly suitable in contexts where it is necessary to increase the level of protection and guide the transit of vehicles and pedestrians in a more controlled way.

The skirt can be installed both on standard booms and on booms equipped with LED lighting. Depending on the boom length and the chosen configuration, specific accessories may be required, such as counterweights, support cables and the relevant mounting kits.
The price list includes all available accessories and the recommended configurations according to the boom length and the operating limits of the barrier.

# Automatic barrier accessories

## BAYT 980



**2032L**

Inductive detector for magnetic loops, for vehicle detection and access control on automatic gates, barriers and bollards. Technical data: dual channel for two magnetic loops, two independent relay outputs and one alarm output, 24 Vac/dc power supply



**2037L**

6 m circumference pre-assembled loop with 10 m connection cable



**2042L**

12 m circumference pre-assembled loop with 10 m connection cable



**2569L**

24 Vac retaining electromagnet for locking the boom in position. The device keeps the boom securely in position by magnetic force and allows automatic release in the absence of power supply



**9730L**

Thermal probe with 230 Vac - 50 Hz electric resistor, complete with power supply cable



**FAIL SAFE | 9873L**

24 Vdc solenoid valve for manual lifting of the boom in case of power failure. To be used with voltage stabilizer code 9321L to ensure correct system operation. Factory-fitted device




**ALA.180 | 9897L**

Safety device allowing controlled rotation of the boom in case of impact, reducing stress on the BAYT 980 barrier and on the boom. It can be fitted to existing installations or supplied factory-fitted.
Limits: max. boom 6400 mm, or 4200 mm with skirt

## BARRI 88



**1093L**

Folding pedestal



**1094L**

Fixed cataphoresis-treated fork-end pedestal for boom support



**1095L**

Aluminium boom 30x80x4000 mm, complete with retro-reflective adhesive strips and plastic cap

## BOOM ACCESSORIES



**1933L**

Aluminium joint for **BAYT 980** booms



**1945L**

Aluminium reinforcement boom, 3000 mm long for models 1942L (when combined with skirt), 1943L and 1944L



**1948L**

Aluminium folding lift-up pedestal, with adjustable foot



**5023L**

Rubber profile to be fitted under the aluminium boom, for protection and safety.
Price per linear metre



**9752L**

Fixed fork-end pedestal for boom support, designed for padlock. Made of S235JRH steel, cataphoresis-treated and polyester powder coated in RAL 2002 orange red.
Height from ground level: 840 mm



**9755L**

Fixed fork-end pedestal for boom support, adjustable height (min. 600 mm – max. 1100 mm from ground level), designed for electromagnet (code 2569L). Made of S235JRH steel, cataphoresis-treated and polyester powder coated in RAL 2002 orange red



**9756L**

Fixed fork-end pedestal for boom support, designed for electromagnet (code 2569L). Made of S235JRH steel, cataphoresis-treated and polyester powder coated in RAL 2002 orange red. Height from ground level: 795 mm



**9757L**

Fixed fork-end pedestal for boom support, designed for electromagnet (code 2569L). Made of AISI 304 stainless steel.
Height from ground level: 795 mm



**9758L**

Fixed fork-end pedestal for boom support. Made of S235JRH steel, cataphoresis-treated and polyester powder coated in RAL 2002 orange red.
Height from ground level: 840 mm



## 9879DXL | 9879SXL

Two booms cut to measure, complete with joint, arm and cable. Suitable for driveways up to 5 m, with the following limitations: maximum ceiling height 4.1 m and maximum overall length of the two booms 5.3 m. For BAYT 980 automatic barrier, **right-hand** and **left-hand** versions

## COMMON ACCESSORIES

**60L**

Custom paint finish (RAL colour range)



**708L**

Hydraulic "FADINI HF.PLI oil", in 2 litre can

## ELECTRONIC CONTROL PANELS



**ELPRO 88 exp | 2431L**

for **BARRI 88**
Control panel integrated as standard in the barrier



**ELPRO 980 | 9899L**

for **BAYT 980**
Control panel integrated as standard in the barrier

# INDEX


| | |
|---|---|
| TRIFO 11 | 120 |
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# GUIDE TO CHOICE

## Electronics for COMMAND AND SAFETY

### PHOTOCELLS AND SAFETY DEVICES



**TRIFO 11**
distance 6 m
surface-mounted



**DIFO 33**
distance 12 m
distance 30 m DIFO 33 POTENZIATA
recess-mounted



**ZERO.PH**
distance 20 m
distance 20 m synchronised
surface and recess-mounted



**ORBITA 57**
distance 6 / 15 m
adjustable, synchronised, wireless
surface-mounted



**ARPO 58**
radio safety device



**SAFETY EDGES**
NC contact and
resistive contact 8,2 kΩ
1,5 | 2 | 3 m

### SIGNALLING LED LIGHTS



**ZERO.L**
flashing light
24 Vac/dc or 230 Vac

# GUIDE TO CHOICE

Electronics for COMMAND AND SAFETY

## DIGITAL AND KEY SWITCHES



**ZERO.K | ZERO.EK**
key switches with WA-profile or half-cylinder with nickel-plated key, surface and recess-mounted



**ZERO.PB**
three-button switch
surface or recess-mounted



**ZERO.DGT**
digital keypad with cable connection
surface or recess-mounted

## TRANSPONDER READERS



**ZERO.SAPE**
proximity reader for transponder devices
surface or recess-mounted



**GECO 9**
token operated command device

## TRANSMITTERS



**DIVO 71**
433,92 MHz auto-learning and rolling code;
distance 120 m; four buttons;
four colours: lime green, mustard yellow,
candy lilac and skyline grey



**VIX 53**
868,19 MHz rolling code
250 m distance, transceiver; radio link; four buttons;
four colours: lime green, mustard yellow,
candy lilac and skyline grey

# TRIFO 11

**PHOTOCELL FOR SURFACE-MOUNTED**

Safety device with infrared modulated light type D in compliance with EN 12453 standards, one receiver and one transmitter/projector




### Easy to install

Designed to be as compact as possible for limited space applications.
ABS body with a high level of resistance to atmospheric agents.
Complete range of posts for installation.

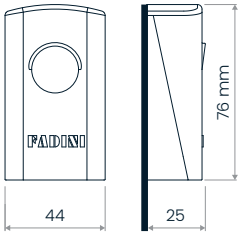
### Safe

6 m distance range. Relay output to be connected to any electronic control panel in the ELPRO range or any other existing installation.
24 Vac/dc voltage supply.

**TECHNICAL DATA**

| | |
|---|---|
| Max. distance (m) *[G]* | 6 |
| Power supply (Vac/dc) | 24 |
| TX \| RX absorption (mA) | 55 \| 35 |
| Grade of protection IP | 55 |
| Dimensions (mm) | 44x25x76 h |

**DIMENSIONS**




*[G] Distance decreases by 30-50% approx. in case of fog, rain or dust.*

# DIFO 33

**PHOTOCELL FOR RECESS-MOUNTED**

Safety device with infrared modulated light type D in compliance with EN 12453, one receiver and one transmitter/projector




### Robust

ABS body with a high level of resistance to atmospheric agents.

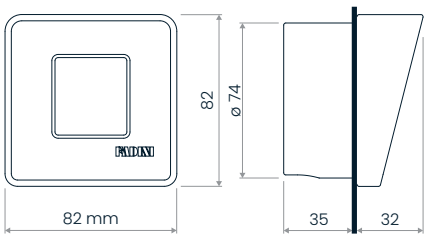
### Safe

12 m distance range. Relay output to be connected to any electronic control panel in the ELPRO range or any existing installation.
24 Vac/dc voltage supply.
DIFO 33 POTENZIATA: 30 m distance range.

**TECHNICAL DATA**

| | |
|---|---|
| Max. distance (m) *[G]* | 12 \| 30 |
| Power supply (Vac/dc) | 24 |
| TX \| RX absorption (mA) | 40 \| 50 |
| Grade of protection IP | 44 |
| Dimensions (mm) | 82x32x82 h |

**DIMENSIONS**




*[G] Distance decreases by 30-50% approx. in case of fog, rain or dust.*

# ORBITA 57

**ADJUSTABLE AND SYNCHRONISED PHOTOCELL, SURFACE-MOUNTED**

Safety device with infrared modulated light type D in compliance with EN 12453, one receiver and one transmitter (wireless)




### Versatile

A number of possible solutions in one single photocell: adjustable by rotation up to 200°, wireless and synchronised. Body in ABS with a high level of resistance to atmospheric agents. Quick and easy to install.

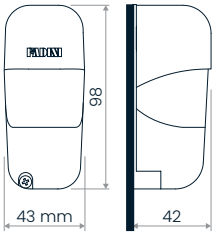
### Synchronised and safe

Possibility to install up to 7 pairs of photocells to create a protective barrier, with no risk of interfering. It can be combined with an edge to achieve that level of safety required to comply with EN 12453 norms. 15 m distance range, 6 m if battery operated. Relay output allowing connection to any ELPRO electronic control panel or any existing installation. 12 or 24 Vac/dc voltage supply or 2 x 1,5 V AAA batteries.

**TECHNICAL DATA**

| | |
|---|---|
| Max. distance (m) *[G]* | 6 (by battery) \| 15 |
| Power supply (Vac/dc) | 2x1,5 AAA \| 12/24 |
| TX \| RX absorption (mA) | 11 - 55 (by battery) \| 16 |
| Grade of protection IP | 55 |
| Dimensions (mm) | 43x42x98 h |

**DIMENSIONS**




*[G] Distance decreases by 30-50% approx. in case of fog, rain or dust.*

# ARPO 58

**WIRELESS TRANSMITTER FOR EDGES**

Radio safety device to be combined with the safety edges of automatic systems for sliding and swing gates, rolling doors, garage doors, sectional doors, fast guillotine doors and road arm barriers. No connection cables required between the transmitter and the receiver.




### Versatile

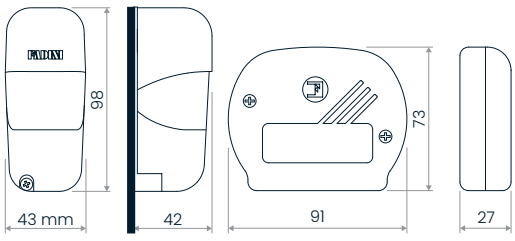
Transmitter with 2 configurable inputs to manage both NC mechanical and 8,2 kΩ resistive edges. It is possible to associate up to 4 transmitters with one receiver and control as many installations close to one another without any risk of interference.

### Intelligent

Circuit with a dedicated microcontroller mounted separately on the board to monitor the actual integrity and perfect functionality of the safety system. Complies with EN 12978 and EN 13849-1, Cat. 2, PL d.

| TECHNICAL DATA | RECEIVER | TRANSMITTER |
|---|---|---|
| Range (m) | 100 with aerial<br>30 without aerial | 100 |
| Power supply (Vac/dc) | 12/24 | 2x1,5 AA |
| Absorption (mA) | 66 | 12 |
| Grade of protection IP | 53 | 55 |
| Dimensions (mm) | 91x27x73 h | 43x42x98 h |

**DIMENSIONS**



# ZERO.PH

**RECESS AND SURFACE-MOUNTED PHOTOCELLS**

### When design can illuminate

Safety device with infrared modulated light type D, conforming to EN 12453. The set consists of a receiver and a transmitter. The electronic components and optics are protected inside a watertight plastic case. White LED illuminated frame




### Easy to install

Compact size and dimensions: protruding only 18 mm from the surface with the recess version. ABS body with a high level of resistance to atmospheric agents. Complete line of posts and fixing supports.

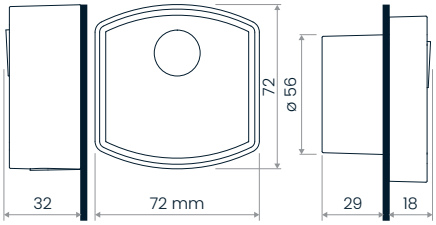
### Safe

Distance range 20 m. Relay output enabling connection to any ELPRO control panel or any existing installation. Supply voltage 24 Vac/dc.

| TECHNICAL DATA | ZERO.PH | ZERO.PH SYNC |
|---|---|---|
| Max. distance (m) *[G]* | 20 | 20 |
| Power supply (Vac/dc) | 12/24 | 24 |
| TX \| RX absorption (mA) | 26 \| 36 | 26 \| 36 |
| Grade of protection IP | 55 | 55 |
| Surface-mounted dimensions (mm) | 72x40x72 h | 72x40x72 h |
| Recess-mounted dimensions (mm) | 72x18x72 h | 72x18x72 h |

*[G] Distance decreases by 30-50% approx. in case of fog, rain or dust.*

**DIMENSIONS**




# ZERO.K | ZERO.EK

**KEY-SWITCHES SURFACE AND RECESS-MOUNTED**

WA-profile or half-cylinder with nickel-plated key




### Top security

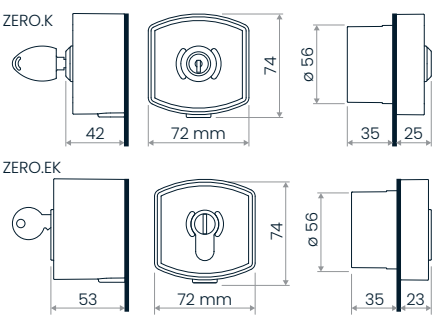
Metal alloy body, powder coated and highly resistant to atmospheric agents. Operation by key only. Incorporated electronic card, complete with terminals and NO and NC contacts. Compact size and dimensions: 23 mm minimum jutting from surface line level with the recess version.

### When design can illuminate

Back-illuminated, white LED illuminated frame. Complete line of posts and fixing supports.

| TECHNICAL DATA | ZERO.K | ZERO.EK |
|---|---|---|
| Microswitches max. load (mA - Vdc) | 100 - 30 | 100 - 30 |
| Power supply (Vac/dc) | 24 | 24 |
| Absorption (mA) | max. 10 | max. 10 |
| Grade of protection IP | 54 | 54 |
| Surface-mounted dimensions (mm) | 72x42x74 h | 72x53x74 h |
| Recess-mounted dimensions (mm) | 72x25x74 h | 72x23x74 h |

**DIMENSIONS**



# ZERO.DGT

**DIGITAL KEYPAD WITH CABLE CONNECTION**

12 backlit keys. Surface or recess-mounted options




### Top security

Metal alloy body, powder coated and highly resistant to atmospheric agents. Compact size and dimensions: only 21 mm jutting from surface line level with the recess version. Front cover made of AISI 316 brushed/satin-finish stainless steel. Operations by a numerical combination of 1 to 6 digits. Complete line of posts and fixing supports.

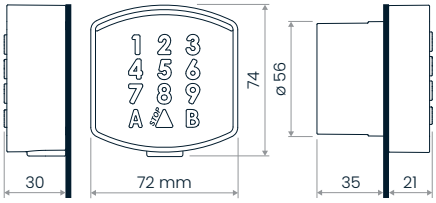
### LED backlighting

Visual signal confirming correct combination: green LED for a correct code or red LED for an incorrect code. Acoustic signal on pressing each single key-button. Timed and bistable functions, incorporated stop button.

**TECHNICAL DATA**

| | |
|---|---|
| Max. distance (m) | 100 |
| Power supply (Vac/dc) | 12/24 |
| Keypad absorption max. (mA) | 25 |
| Keypad grade of protection IP | 54 |
| Surface \| recess-mounted dimensions (mm) | 72x30x74 h \| 72x21x74 h |
| PCB dimensions (mm) | 91x27x73 h |

**DIMENSIONS**




# ZERO.SAPE

**PROXIMITY READER FOR TRANSPONDER DEVICES**

Surface and recess versions




### Easy to program

Users' configuration directly on the reader by means of programming cards. Visual and sound signalling of correct or wrong reading. The reader is equipped with a mini-USB input for direct reading of the users' memory. With ZERO.SAPE BOX interface it is possible to manage any installation and define which cards are authorised using dedicated software. Removable memory with 4000 possible users, divided into two lists with 2000 users each. Connection by cable.

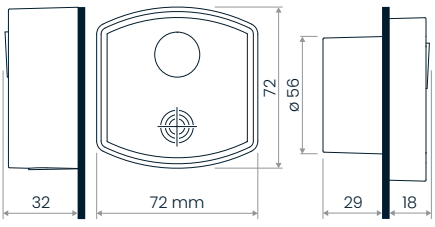
### Robust

Compact size and dimensions: protruding only 18 mm from the surface with the recess version. ABS body with a high level of resistance to atmospheric agents and white LED illuminated frame.
Complete line of posts and fixing supports.

**TECHNICAL DATA**

| | |
|---|---|
| Max. distance (m) | 100 |
| Power supply (Vac/dc) | 12 |
| Absorption (mA) | 60 |
| Grade of protection IP | 54 |
| Surface \| recess-mounted dimensions (mm) | 72x40x72 h \| 72x18x72 h |

**DIMENSIONS**



# ZERO.PB

**INDOOR BUTTON-SWITCH WITH THREE BUTTONS**

Surface and recess versions



### Top security

Metal alloy body, powder coated and highly resistant to atmospheric agents. Incorporated electronic card, with terminals, two NO contacts and one NC contact. Compact size and dimensions: only 20 mm jutting from surface line level with the recess version.

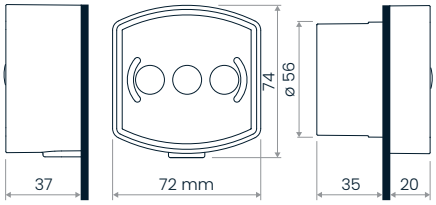
### When design can illuminate

Back-illuminated, white LED illuminated frame. Complete line of posts and fixing supports.

**TECHNICAL DATA**

| | |
|---|---|
| Power supply (Vac/dc) | 24 |
| Absorption of the LED (mA) | max. 8 |
| Grade of protection IP | 54 |
| Microswitch contacts | triple gold-plated |
| Surface \| recess-mounted dimensions (mm) | 72x37x74 h \| 72x20x74 h |

**DIMENSIONS**




# ZERO.PT

**WEATHERPROOF ANODISED ALUMINIUM POSTS**

### Practical usage

Available for photocells, key-switches, digital keypads, push buttons and proximity readers in the ZERO line.
Height options: 500 - 750 - 1200 mm

### Design

A complete line of posts to mount the command and safety accessories in the ZERO line. Strong construction, height options and versions with galvanised steel fixing base plate. Designed for front/back installation of the command and safety accessories.



**153L** **154L** **155L** **156L** **157L**

# ZERO.L

**LED SIGNAL LIGHT**

Integrated aerial

### Universal

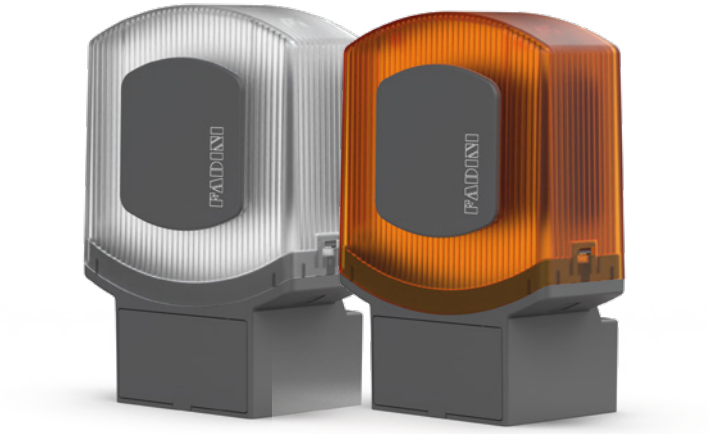
24 Vac/dc or 230 Vac power supply.
Reduced consumption and high brightness.

### Matrix LED

System of lights with a unique design. A new system of illumination, fully customisable: the LED light can be fixed, flashing or various integrated dynamic effects. Available with neutral or orange cover.

### Versatile

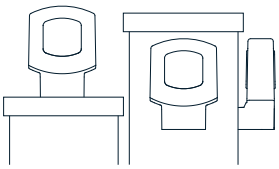
Suitable for fixing to a wall or a gate post, without additional components. Version with integrated 95 dB buzzer.



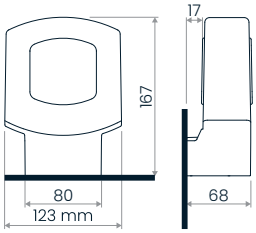

**TECHNICAL DATA**

| | |
|---|---|
| Power supply (Vac \| Vac/dc) | 230 \| 24 |
| Power (W) | 6 |
| Absorption (A, Vac \| A, Vac/dc) | 0,026 (230) \| 0,2 (24) |
| Grade of protection IP | 54 |
| Dimensions (mm) | 123x68x167 h |

**APPLICATIONS**



**DIMENSIONS**




# GECO 9

**TOKEN-OPERATED COMMAND DEVICE**

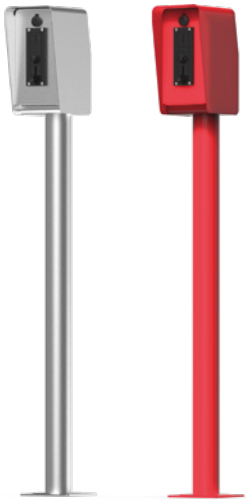
For residential, collective, industrial and city centres applications

### Simple

A mechanical device operated by tokens. Ideal in combination with road barriers and automatic bollards, or for access control applications in general. In the event of a power failure, the device does not accept tokens.

### Safe

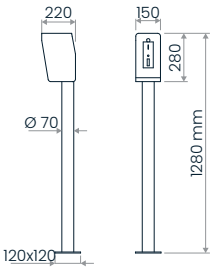
Robust and reliable structure in powder-coated steel, resistant to weather conditions. Also available in satin-finish AISI 304 stainless steel for harsh environments, such as humid or saline areas. Inspection door with key. Steel and brass components.



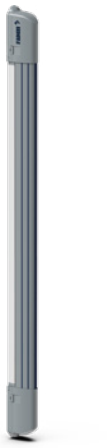
**TECHNICAL DATA**

| | |
|---|---|
| Power supply (Vac - Hz) | 24 - 50 |
| Absorption (mA) | 0,6 |
| Micro-contact (A - Vac) | 5 - 250 |
| Grade of protection IP | 43 |
| Dimensions (mm) | 150x200x1280 h |

**DIMENSIONS**



# SAFETY EDGES



**SAFETY DEVICE**

Designed to prevent the mechanical hazards (impact, crushing, conveying, shearing, cutting and hooking) deriving from the movements of sliding, swing gates and automated doors in general. The device can be combined with the ORBITA 57 photocells or ARPO 58 radio link and meets the safety level required by the EN 12978 standards

### Simple

Easy to install and highly reliable; fastening by clip.

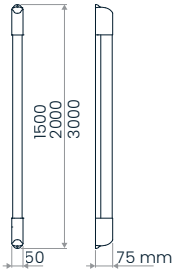
### Quick response

The soft end sections are sensitive even to slight impacts. NC contact and 8,2 kΩ resistive contact.

**TECHNICAL DATA**

| | |
|---|---|
| Rating of the contacts (Vac/dc) | 12/24 |
| Rubber profile colours | sapphire blue RAL 5003<br>telegrey 1 RAL 7045 |
| Safety category | EN 12978 |
| Grade of protection IP | 54 |
| Dimensions (mm) | 50x75x L = 1500 \| 2000 \| 3000 |

**DIMENSIONS**




# DIVO 71

**TRANSMITTERS COMPATIBLE WITH ASTRO 43 AND JUBI 433 SERIES**

433,92 MHz auto-learning and rolling code



### Design

Ergonomic and stylish: available in 4 colours. It can also be used as a practical, high-tech key fob.

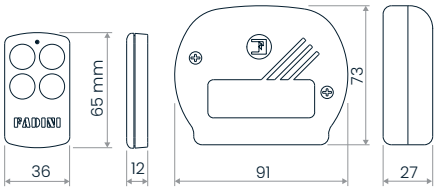
### Auto-learning and rolling code

Compatible with the previous series ASTRO 43 and JUBI 433, and with the respective radio receivers, either plug-in or standalone, up to 4 channels. Distance: 120 m (open space).

### Functional

Possibility for a transmitter to be copied at a distance from the installation system.

**DIMENSIONS**




| **TECHNICAL DATA** | **ASTRO 43 M.Q.B.**<br>Radio receiver | **JUBI 433**<br>Radio receiver | **DIVO 71**<br>Transmitter |
|---|---|---|---|
| Power supply (Vac/dc \| Vac \| Vdc \| Vdc) | 12/24 | 24 (±10%) \| 12 (+20% -5%) | 3 (1x CR2032) |
| Working frequency (MHz) | 433,92 | 433,92 | 433,92 |
| Range (m) *[H]* | 120 | 120 | 120 |
| Max. absorption (mA) | 23 | 23 | 21 |
| Memory (users) | 800 | 800 | - |
| Grade of protection IP | 53 | 53 | - |
| Dimensions (mm) | 91x27x73 h | 91x27x73 h | 36x12x65 h |

*[H] The transmission and receiving distance can be affected by external factors (eg. devices such as alarms, signal repeaters, etc.) using the same frequency. Meccanica Fadini cannot guarantee the actual distance range of one's own accessories in such cases.*

# VIX 53





**BIDIRECTIONAL TRANSMITTERS AND RADIO RECEIVERS**

868,19 MHz rolling code

### Design

Ergonomic and stylish: available in 4 colours. It can also be used as a practical, high-tech key fob.

### Rolling code

Secure encoding with a 128-bit algorithm.
Plug-in radio receiver (2 channels) or external radio receiver (4 channels).
Removable memory up to 2000 users max. Distance: 250 m (open space).

### Transceiver

The transmission of the radio signal is bidirectional, feedback is provided on the transmitter confirming reception of the signal.

### Radio link

Extension of the distance of a transmitter radio signal by creating a radio link between several radio receivers.

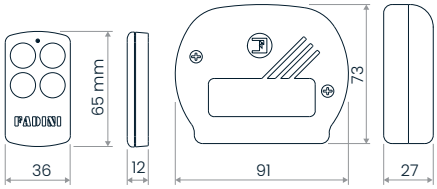
### Safe

The RED VIX 53 equipment allows for protection key codes to be entered onto the transmitters and radio receivers. SOFTVIXARE enables the creation of a database and manages complex installations: at a distance it is possible to add, replace or delete a transmitter from the system in case of theft
or loss.

### Functional

Possibility for a transmitter to be copied, replaced or cancelled at a distance from the installation system.

**DIMENSIONS**




| TECHNICAL DATA | **VIX 53**<br>Radio receiver | **VIX 53**<br>Radio receiver | **RED VIX 53**<br>Transmitter |
|---|---|---|---|
| Power supply (Vac/dc \| Vac/dc \| Vdc \| Vdc) | 12/24 (external) \| 24 (plug-in) | 3 (1x CR2032) | 3 (1x CR2032) |
| Working frequency (MHz) | 868,19 | 868,19 | 868,19 |
| Range (m) *[H]* | 250 | 250 | - |
| Max. absorption (mA) | 73 | 27 | 27 |
| Memory (users) | 2000 | - | - |
| Grade of protection IP | 53 | - | - |
| Dimensions (mm) | 91x27x73 h | 36x12x65 h | 36x12x65 h |

*[H] The transmission and receiving distance can be affected by external factors (eg. devices such as alarms, signal repeaters, etc.) using the same frequency. Meccanica Fadini cannot guarantee the actual distance range of one's own accessories in such cases.*

# GUIDE TO CHOICE

## ELECTRONIC CONTROL PANELS

### FOR SLIDING GATES



**ELPRO 64**
for JUNIOR 624 | J.XP 624
for one motor 24 Vdc with encoder



**ELPRO 65**
for JUNIOR 633 | 650
for one motor 230 Vac 1PH with encoder



**ELPRO 12 EVO**
for NYOTA 115 EVO
for one motor 230 Vac 1PH with encoder



**ELPRO 70/3 PLUS**
for MEC 200
for one motor 230 Vac 1PH or 230/400 Vac 3PH



**ELPRO 37**
for one motor 230 Vac 1PH or 400 Vac 3PH



**ELPRO 37 DS**
for two motors 230 Vac 1PH or 400 Vac 3PH



**ELPRO 37 FN**
for one motor 230 Vac 1PH or 400 Vac 3PH with negative brake



**ELPRO 37 HP**
for one motor 230 Vac 1PH or 400 Vac 3PH

### FOR AUTOMATIC BARRIERS



**ELPRO 88 exp**
for BARRI 88
for one motor 230 Vac 1PH



**ELPRO 980**
for BAYT 980
for one motor 230 Vac 1PH

# GUIDE TO CHOICE

## ELECTRONIC CONTROL PANELS

### FOR SWING GATES



**ELPRO 42**
for DARDO 424 | XP 424 | FOX 724
for two motors 24 Vdc with encoder



**ELPRO 42 - 110 V**
for DARDO 424 | XP 424
for two motors 24 Vdc with encoder



**ELPRO 43**
for DARDO 430 | FOX 730
for two motors 230 Vac 1PH with encoder



**ELPRO 7 RP**
for NUPI 66
for two motors 230 Vac 1PH



**ELPRO 27**
for two motors 230 Vac 1PH



**ELPRO 27 HP - 110 V**
for two motors 110 Vac 1PH



**ELPRO 27 HP - 230 V**
for two motors 230 Vac 1PH



**ELPRO 37 DB**
for two motors 230 Vac 1PH
or 230/400 Vac 3PH



**ELPRO XE**
for two motors 230 Vac 1PH

### FOR INDUSTRIAL AND GARAGE DOORS



**ELPRO 6 exp**
for one motor 230 Vac 1PH



**ELPRO 37**
for one motor 230 Vac 1PH
or 230/400 Vac 3PH



**ELPRO 37 DS**
for two motors 230 Vac 1PH
or 230/400 Vac 3PH



**ELPRO 37 HP**
for one motor 230/400 Vac 3PH

## ELECTRONIC CONTROL PANEL ACCESSORIES



**HELIOS 29 | 2746L**

Plug-in electronic PCB designed for **ELPRO 27** | **S20** | **S40** | **S50** | **7RP** | **XE** control panels. Keeps the oil inside FADINI oil-hydraulic operators within its normal operating temperature range down to -40 °C. Adjustment by trimmer and built-in thermostat. Complete with temperature probe, 5 m cable and connector, and provision for optional external thermostat.
Board size: 50x110x160 mm. Probe size: 60x67x70 mm



**DUPCO 72 | 7230L**

Electronic PCB designed for the entire range of **ELPRO** control panels. DUPCO 72 provides two dry output contacts by duplicating the single-contact inputs of the limit switches. Up to two operators fitted with limit switches can be connected.
Board size: 32x61x100 mm

## SPECIFIC ACCESSORIES



**2729L**

Polycarbonate box for external applications, with hinged lid, for the ELPRO control panels. Grade of protection IP 64.
Dimensions of the box: 210x295x110 mm



**2731L**

Lockable door knob complete with front cover plate 48x48 mm, yellow-red and screws



**2732L**

3-pole disconnector switch for door knob control




**2766L**

Plug-in radio adapter for ELPRO control panels



**7062L**

Microprocessor for ELPRO control panels



**7282L**

Plug-in electronic card for traffic-light control, for the ELPRO control panels (where applicable)

# NOTES INDEX

*[A] The gate structure, size and possible strong winds may affect the values as indicated. Always make sure the gate is adequate to be automatically operated and remove any possible friction points.*

*[B] Inside the housing cover or casing.*

*[C] Opening and closing times depend on the fixing distances, speed adjustment and gate inertia.*

*[D] Without the mechanical stops it is possible to extend travel by 60 mm, but it is required that gate stops be fitted on to the ground both in open and closed gate positions.*

*[E] Down to -40 °C with specific optional accessories.*

*[F] The measurement can change according to the version.*

*[G] Distance decreases by 30-50% approx. in case of fog, rain or dust.*

*[H] The transmission and receiving distance can be affected by external factors (eg. devices such as alarms, signal repeaters, etc.) using the same frequency. Meccanica Fadini cannot guarantee the actual distance range of one's own accessories in such cases.*

Concept
*Halfduck*

Photos and Graphics
*Bronwenir*

Technical Design
*Mirtilla*

Reviewer
*Alligator*

*Since 1967,*
*we have been building the future of automation.*

This catalogue contains texts, technical data and information updated as of the date of publication and fully replaces any previous technical or commercial documentation issued by Meccanica Fadini.

To ensure installations comply with current regulations, it is recommended to refer to the indicated codes and to use only original Fadini accessories. For each product included in this catalogue, the relevant instruction manual is available and should be consulted for complete information on installation, use, operating limits, safety and maintenance.

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