

# COMUNELLO

## open more:

precisely  
professionally  
compatibility  
connectivity  
devices  
remotely  
synchronicity  
below zero  
frequently  
rapidly  
design



# COMUNELLO

## AUTOMATION

# open more:

OPEN MORE is a concept and vision that has developed into a project which we have been continually evolving. Open More means a greater sense of openness towards an electronics revolution which is increasingly at the service of man as well as products which are increasingly resistant to weathering and wear. A greater sense of openness towards the potential offered by highly advanced systems such as ONE, which from a strategy of remote operation which we have perfected over the years is now able to provide management for our systems

from anywhere on the globe. Open More is openness to innovation and a spirit of service to our clients with the aim of offering ever more. We strive to make life easier by exploiting the powerful and effective tools of advanced electronics and applying them to the installation of motors and the remote management of systems, the state-of-the-art duplicating of remote controls using the NFC technology on a smartphone, and our strategy of continuous improvements that we apply to the mechanics and construction of our entire range of products.

# Made in Italy Made in Comunello

A company with 50 years of manufacturing experience, a clear international vision based on the quality of our design, our groundbreaking technology, the solidity of our production, and our commitment to technical service and customer care.

Automation for now and for the future.

The Comunello Group of companies is built on a solid, reliable, well-structured manufacturing base. The Group comprises 4 Divisions with all products from each Division 100% designed and manufactured at the company premises in Italy. This total control over manufacturing processes guarantees the highest levels of quality. Comunello was founded in 1965 and today exports to more than 105 countries worldwide.





# ONE WORLD

The automated system is connected, always, anywhere and on all the systems that the user chooses. One World provides on-site programming via the App for easy and immediate use. One World provides complete remote system management, to give advantages in terms of convenience for the end user as well as creating business opportunities for both installers and retailers. One Touch provides fully functional copying of Rolling Code remote controls.

## REMOTE SYSTEM MANAGEMENT

From now on the user will be able to open, close, and manage the timing of opening and closing, and check the status of the installation wherever they are and at any time, from a smartphone or PC. This guarantees absolute convenience and flexibility of use. For example, the user can leave a gate open for a predetermined period for the gardener who needs access to work on the garden while the user is on vacation. Today an installer can get a diagnosis of their client's system immediately, wherever they are and directly from their smartphone or PC. What's more, they can read the system parameters, identify any faults, modify them, and connect to Comunello assistance while on site. Without the need to carry out a costly on-site inspection, they can diagnose a fault beforehand, determine what intervention is necessary, and order spare parts.

ONE WORLD is Comunello's universe of advanced electronics for automation. Total connectivity for perfect simplified installations, remote interventions, revolutionary synchronizations and ubiquitous access to resources, storage, processing, data transmission and client service management on demand.



# COMUNELLO ONE WORLD

**ONE TOUCH SYNCHRO APP**  
NFC copying of remote control with One SynchroApp.



**WEBSITE**  
All your set up data, client service info, certifications - Your World!



**ONE APP**  
Easy to use App, anywhere in the World, rapid and intuitive.



**ONE APP**  
Available for IOS and Android, for smartphones and tablets.



**ONE LAN BRIDGE**  
Lan cable connection using existing internet set up.



**K-ONE WIFI BRIDGE**  
Easy local wifi connection to the control unit being installed



**ONE GATEWAY BRIDGE**  
Wireless internet connection from anywhere in the World



**ONE KNX BRIDGE**  
Compatibility with domotic management systems



**ONE DIALOG ANALOG 230V CONTROL UNIT**  
Analog wiring for 230V installations



**ONE DIALOG HYBRID CONTROL UNIT**  
Bus wiring and analog wiring for total flexibility



**ONE DIALOG ANALOG 24V CONTROL UNIT**  
Analog wiring for 24V installations



**CANTILEVER GATES FORT**



**SLIDING GATES FORT**



**SWING GATES EAGLE, ABACUS, CONDOR, RAM**



**GARAGE DOORS RAMPART, SALIENT**



**BARRIER GATES BORDER, LIMIT**

# Total Connectivity

Any smartphone, tablet or pc can be connected to any of our 4 different internet bridges.

All four bridges are compatible with all 3 ONE Dialog control units. Our 3 ONE Dialog control units are compatible with 24V or 230V actuators for any type of gate or garage door.

# Open more: opportunities

One App. From user to installation, to client management

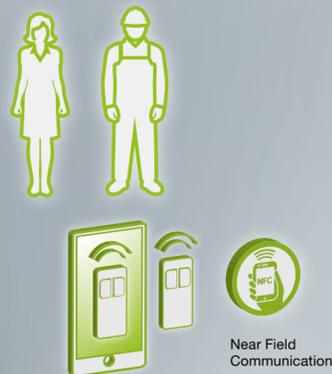
One World provides access to Comunello One Dialog Automations using a PC, smartphone or tablet. Users can control, manage and communicate with their automated system easily and from anywhere in the world via internet. One World has been designed to make life easier for everybody and to offer enhanced business opportunities for our clients, whether they be installers or distributors.



## LEVEL 1 HOME USERS

Manage the installation anywhere in the world via a smartphone, tablet or PC.

- Manage opening and closing programming.
- Open and close by voice commands and GPS.
- Set opening and closing times.
- Monitor the status of the installation.
- An administrator can instantly revoke access permissions to "guest" users with a simple click.
- Intuitive graphics user interface.



## LEVEL 2 ONE TOUCH SYNCHRO APP

- A user can duplicate 2 Comunello Rolling Code remote controls wherever they are, without needing to be physically near the installation.
- Remote controls can be duplicated with ease using One App and the NFC technology of the user's smart device.
- Summary screen for all remote controls combined with automation (e.g. for families in a condominium).
- Simple and intuitive graphics, which guide the user through each step.



## LEVEL 3 ON SITE INSTALLATION

- The installer can perform a complete back up of all the systems installed within a single platform. A single database of user data, configuration of devices, usage history and certifications. They will be able to share data with their work team and benefit from a seamless flow of information.
- The installer can offer the customer an installation maintenance program managed by a calendar which can be shared on the cloud.
- In the event that assistance is required, the installer can access the installation remotely to carry out diagnostics in real time through the diagnosis and check-up functions, thus ensuring they can plan any necessary intervention or repair effectively and with ease: from fault identification right through to the ordering of necessary spare parts, thus offering significant advantages in terms of cost and time savings as well as enhance customer service and loyalty.
- Through One World, the installer will be able to prepare all documentation required for system certification: during installation, they will receive data from the system on impact forces, subsequently they find all the documentation on the cloud already completed ready to finalise the technical documentation. One World makes preparing certification easy for the installer.



## LEVEL 4 REMOTE DIAGNOSIS AND FINE TUNING

- The installer can rely on One World.
- Remote interfacing through the One Lan Bridge enables real-time diagnostics of the system by displaying all the parameters and thus providing the installer with immediate information on what intervention is necessary.
- Reading of system parameters through an intuitive graphical user interface provides a count of the number of gate operations and detection of obstacles.
- Automatic checking of photocells, selectors, flashing signal lights and service outputs.
- The ability to modify settings, in order to carry out remote intervention on the installation, prior to any subsequent on-site intervention.
- With One World, Comunello technical assistance can provide the installer with a solution to a problem in real time, thus eliminating misunderstandings or the need for costly trial-and-error problem solving. This in turn will lead to significant savings in terms of intervention costs, because the installer will already know even before setting off for the installation what spare parts they will need.



## LEVEL 5 SERVICE MANAGEMENT CERTIFICATION AND CUSTOMER CARE

One World represents a business opportunity for the distributor.

Comunello partners can use One World to provide even more added value to their after-sales service by offering their customers immediate, clear answers. One World enables them to intervene on the installation immediately, in real time, and without the need for an on-site inspection.

In a market that is highly sensitive to running costs, One World allows the distributor to drastically reduce intervention costs in instances where call-out distances could be considerable.

Remote system management also means that distributors can assess the maintenance status of the installation, and can propose, together with the installer, an appropriate maintenance schedule to the end user.

With a view to offering customers added value, One World allows Comunello partners to create new business which is complementary to automation: customer assistance and maintenance service schedules can be managed directly from the cloud with the possibility to select and order spare parts immediately (thus eliminating the need to go through a laborious and time-consuming ordering process), a larger range of spare parts, and swifter response. It is precisely in this regard that One World can provide an enhanced service to the distributor.

# One App For installation

Incredibly simple  
Incredibly professional

The One App project was conceived in the very heart of Comunello electronics. It is a system of Bus and Analog control units all intuitively programmable through the Comunello One App.

## System programming:

a simple and intuitive interface that provides step by step programming guidance from parameter setting to speed regulation. It offers a more intuitive programming experience, thus minimizing errors and confusion.

## System certification

During installation, through the App, the installer will automatically receive the impact test documents and declaration of conformity, while on the Comunello.one cloud all the precompiled documents will already be available to complete the CE marking and technical documentation. They can then be saved and kept for the legally-required time period.

## Maintenance schedule

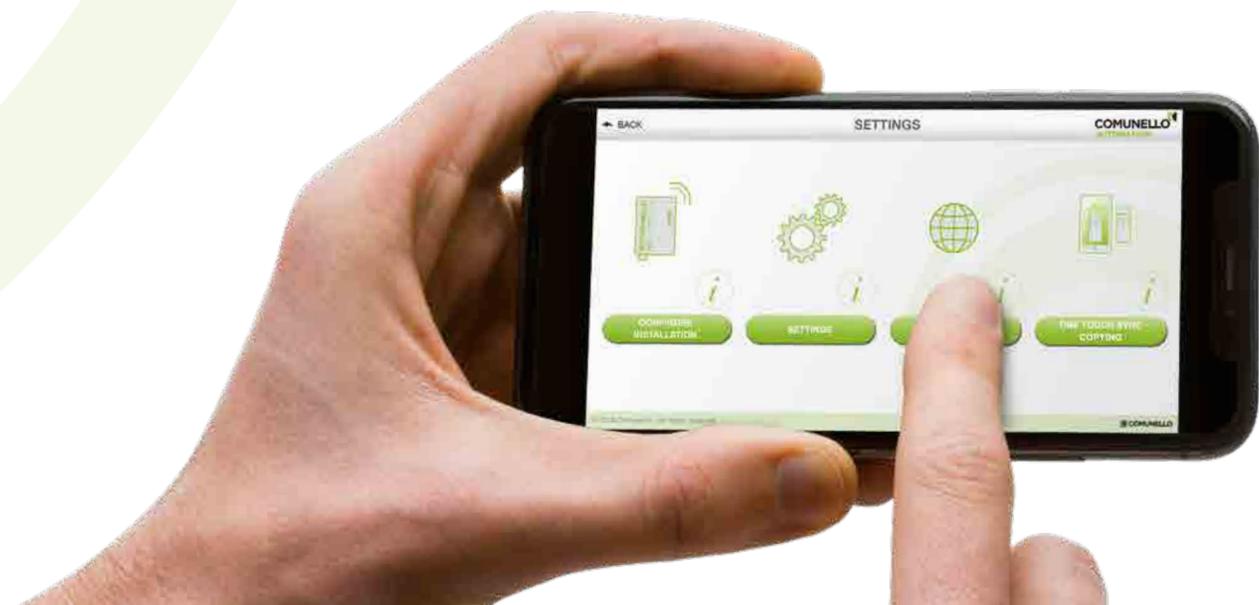
During the programming phase, the installer can prepare a maintenance schedule agreement for their customer. The App allows the installer to schedule the agreed maintenance program within a synchronized calendar, which provides a system of alerts and visualizations for the environment, for a single installation or for a period of time. All information is managed on the one.comunello.com cloud.

## Check-up and diagnostics

The Comunello One App enables the user to see in real time the status of the installation. Parameters can also be verified through a graphical representation of number of times the installation has been operated and the detection of obstacles. Additionally, users can rely on the automatic checking of photocells, selectors, flashing signal lights and service outputs.

The user can:

- Synchronize with customers' Outlook accounts.
- Output contract forms to present to the customer.
- Save and manage system information on the One World server.
- Connect to the interface to manage the system remotely.



# The One Dialog control units

HYBRID, ANALOG 24V, ANALOG 230V  
Total compatibility from new generation installations to retrofitting

The new One World Analog and Bus control units offer users the possibility carry out programming locally and to manage functions and commands remotely via the App directly from a smartphone or tablet.

## Standard programming

This can be performed automatically simply by pressing the quick access buttons, adjusting slide-switches and trimmers.

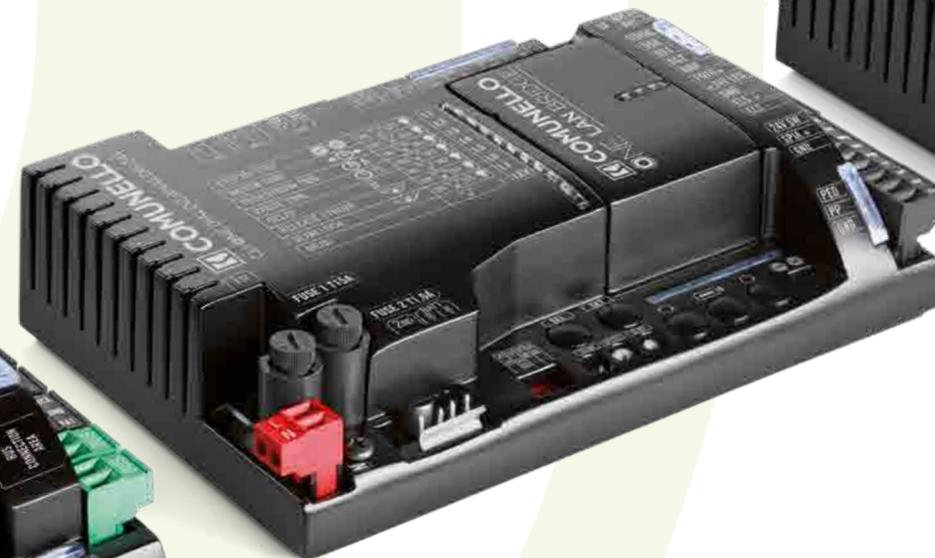


## Remote management

By inserting a Lan, KNX or Gateway Bridge into the special compartment users can manage functions, commands, information and diagnostics remotely, through a reliable Lan, Konnex, or Gateway system.

## Programming via the App

With the K-One Wi-Fi Bridge, users can program all the analogue outputs / inputs and the Bus accessories directly from the device, connecting to the control panel via Wi-Fi using the Komunello One App. A complete, precise, professional, immediate and intuitive programming system.



The control units have been designed for all 24V, 230V, Bus or Analog installations. New Hybrid systems - possibility to install and manage Bus and Analog automations and accessories. Retrofitting systems - possibility to replace the electronics on existing systems (of any model), replace the motor and the control unit with One Dialog, but maintaining existing accessories.



## Certification made easy

Programming via the Wi-Fi Bridge allows users to quickly and intuitively complete all the necessary documentation for the CE certification of the installation.

# Open more: compatibility

## For everyone:

Removable receiver, with the possibility to replace a 433 MHz receiver with an 868 MHz receiver easily and without the need to open the cover.

## Remote management

By inserting a Lan, KNX or Gateway Bridge into the special compartment users can manage functions, commands, information and diagnostics remotely, through a reliable Lan, Konnex, or Gateway system.

## Programming via the App

With the K-One Wi-Fi Bridge, users can program all the analogue outputs / inputs and the Bus accessories directly from the device, connecting to the control panel via wi-fi using the Comunello One APP. A complete, precise, professional, immediate and intuitive programming system.



## K-One Wi-Fi Bridge

- 2.5 GHz high-speed bidirectional radio transmitter.
- Communication based on proprietary protocol
- Range in open space 20m.
- LED operation indicator light.

## ONE DIALOG HYBRID



W-Bus Connection. Any and all accessories can be connected for a rapid and problem-free installation

### BUS ACCESSORIES



One Dialog Hybrid and Analog Bus Control unit which offers the option of local programming as well as managing functions and commands remotely via the App directly from a smartphone or tablet.

Side-mounted analog outputs / inputs

- Photocells
- Step-by-step command
- Pedestrian command
- Flashing signal lights / Aux power
- Antenna

Top-mounted analog outputs / inputs

- Electric locking / courtesy light
- Stop / Block / Resistive edge
- Master / Slave synchronization
- End limit switches
- Encoder

Side-mounted Bus outputs / inputs

- 2 BUS outputs
- All BUS accessories can be easily connected via a 2-wire BUS connection. The One Dialog Hybrid is able to intelligently recognize all accessories and peripherals

## ONE DIALOG ANALOG 24V



Side-mounted analog outputs / inputs

- Photocells
- Step-by-step command
- Pedestrian command
- Flashing signal light
- Antenna
- Spy light
- Electric lock
- Stop / Block / Resistive edge
- Aux power

Top-mounted Analog outputs / inputs

- Master / Slave synchronization
- 24V Flashing signal light
- Second auxiliary channel
- End limit switches
- Encoder

One Dialog Analog 24V control unit which offers the option of local programming as well as managing functions and commands remotely via the App directly from a smartphone or tablet. Multilevel menu with the use of only two "Select" and "Set" buttons. An LED-driven system which is easy and intuitive to use.

## ONE DIALOG ANALOG 230V



One Dialog Analog control unit 230V which offers the option of local programming as well as managing remote functions and commands via the App directly from a smartphone or tablet. Multilevel menu with the use of only two "Select" and "Set" buttons. An LED-driven system which is easy and intuitive to use.

Side-mounted analog outputs / inputs

- Photocells
- Step-by-step command
- Pedestrian command
- Flashing signal lights
- Antenna
- Spy light
- Electric lock
- Stop / Block / Resistive edge
- Aux power

Top-mounted analog outputs / inputs

- Master / Slave synchronization
- 230V Flashing signal lights
- Second auxiliary channel

# Open more: connectivity



## ONE-LAN BRIDGE

This allows users to remotely manage a One system using the ONE LAN Bridge connected to an existing WLAN network on a home router, allowing a PC, smartphone and / or tablet can be connected directly via the Comunello One App. The ONE LAN Bridge offers plug & play connectivity and the configuration is already preset. The connection to a home Router is safe, fast and reliable, and free of hitches, problems or network failures etc.



## ONE-KNX BRIDGE

This bridge enables users to integrate and manage the installation from within a home automation system which is compatible with the Konnex protocol. The One KNX Bridge is the best solution to interface the ONE Dialog electronics to the world of home and building automation. The on-board micro controller includes the KNX stack required to interact with the KNX bus.



## ONE-GATEWAY BRIDGE

This enables users to remotely manage a One system by exploiting the connection with a BUS Gateway even without the help of a home Router. A BUS Gateway employs an integrated web server that allows programming, status consultation, and remote control of the device through a LAN connection, WLAN on WiFi network or GPRS / HSPA on the cellular network.

Remote Connection of your smartphone, tablet or PC to the range of One Dialog Control units can be simply achieved using any of the three Bridges:

- The One Lan Bridge using standard Lan internet connection.
- The One KNX Bridge, compatible with Konnex protocol domotics.
- The One Gateway Bridge offering full wireless connection.

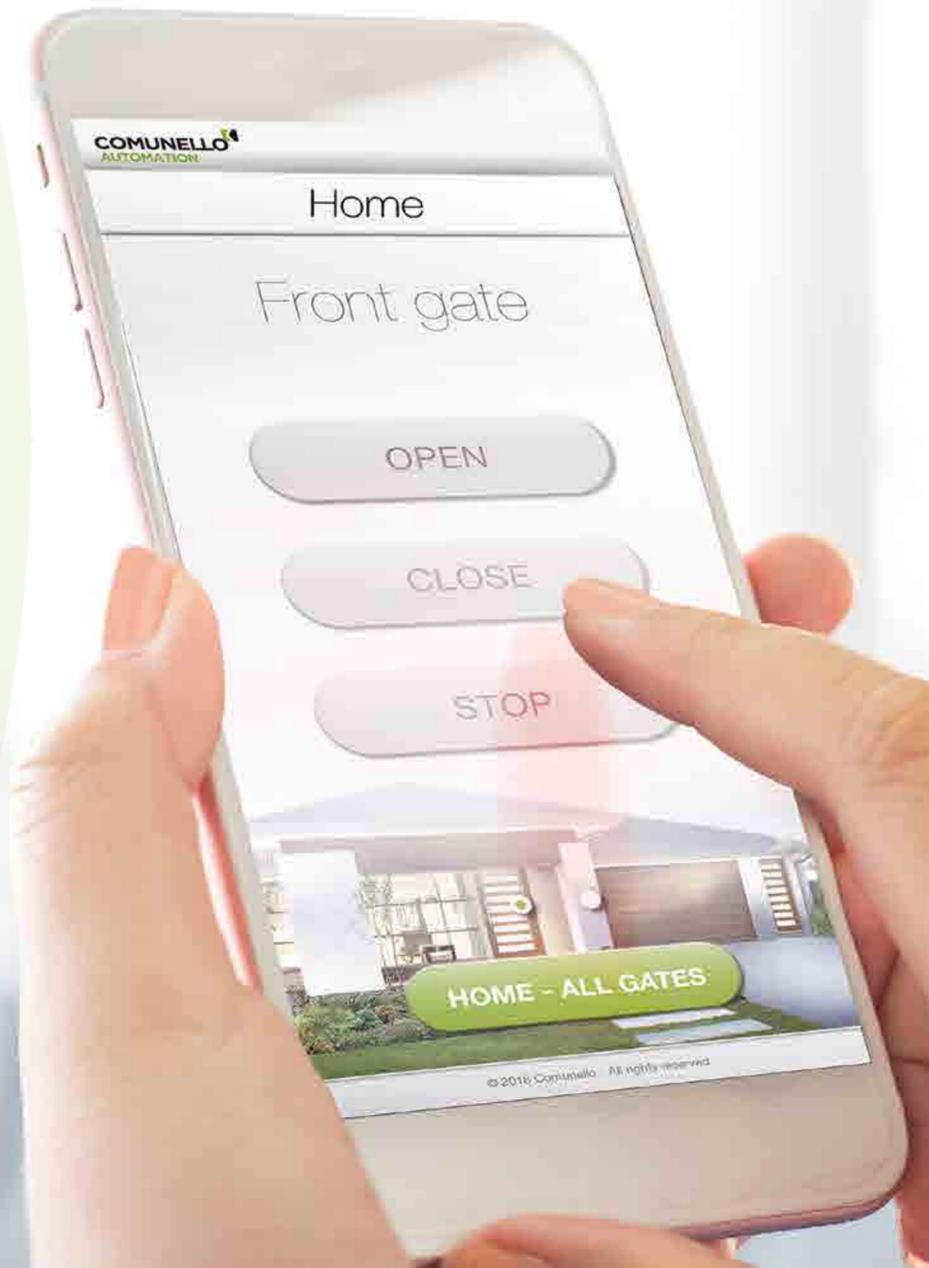


# Life made easy

The App for the end user provides easy management for the automated opening of both home and work environments. The first screen shows the chosen property with the opening buttons displayed, so a user can already start opening the gate when they are still approaching home. This ensures they no longer have the inconvenience of having to wait in the street, risking not only blocking it but potentially also causing a hazard while they are waiting for the gate to open. At the same time, the App enables the user to open the gate from thousands of kilometers away to provide access to the gardener, for example. Opening and closing of entrances to all buildings, whether they be work or residential, can be easily managed from the App using the same

**From smartphone to smartwatch to voice activation - opening your gate has never been easier**

procedures. It is also possible to amend the programmed automatic opening of an office, for example, if a national holiday falls on a weekday. By means of geolocation, which can easily be set up on a smartphone via GPS, the App can be programmed to open a gate automatically as the device moves within a preset distance from it. The high level of functionality of the App is further enhanced through a new generation of smart watches that make system performance even easier and more effective. For example, if a user is out running, with the same device that they use to measure distance covered and their heart rate, they can now open their gate. Finally, to even further simplify things, all such functionality is also available by means of voice activation using "Siri" or "Ok Google".



# Remote Control One Touch Synchronicity made easy

## PATENTED NFC INNOVATION



With One Touch the user can copy 2 One Touch Comunello Rolling Code remote controls wherever they are, without needing to be in front of the control unit, completely and conveniently through a simple gesture of the App using the NFC system already present on their device, the technology that connects two different devices by means of short-range wireless connectivity.



## ONE TOUCH SYNCRO

Up to 250 remote controls can be copied

### HOW IT WORKS

- Move the "One Touch" remote control that you wish to copy close to the NFC reader of your smartphone.
- The system will automatically recognize the first remote control as a Master.
- Follow the instructions displayed on the App / press the "Read Master" icon.

Move the "One Touch" remote control that you wish to duplicate close to your smartphone's NFC reader.

- Press the Create Copy icon.
- Once copying is done, confirm the operation by repositioning the initial Master.
- With one simple gesture you have quickly copied your remote control.
- You can copy up to 250 remote controls.

The one.comunello.com Cloud will memorise the number of copies made and will immediately recognize if the remote control has already been copied. In this case it cannot be used as a future master. If the user is a company administrator, they can have a summary screen for each premises. If the user is the administrator of a residential property, they can have a summary screen showing each resident's details. If they are an installer they can have a summary screen detailing each installation.



PATENT PENDING



# Ixi

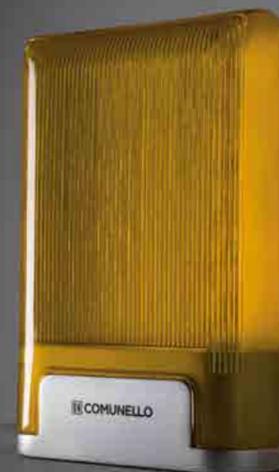
Designed by Patrick Caseley

The first truly original signal light

A new classic,  
timeless design  
timeless installation

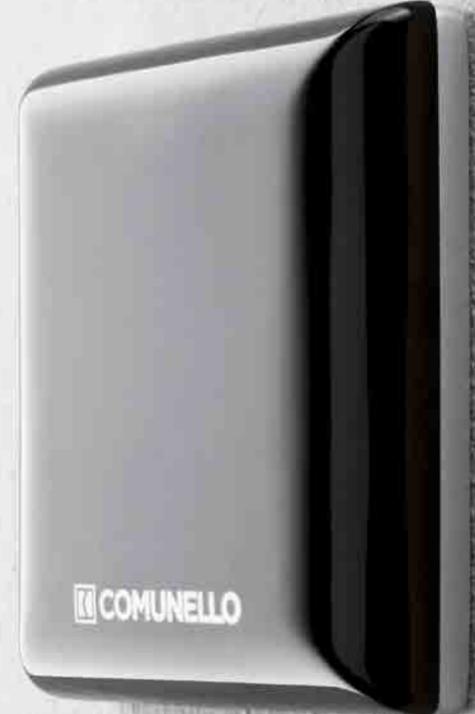
# Swift

Designed by Patrick Caseley



Flashing signal lights boasting exceptional aesthetic and practical features. The Ixi light is distinguished by its ultra-original and futuristic design. Its perfect geometry diffuses light excellently. The Swift range is inspired by the concept of the pure and discreet lines of a classic flashing signal light. Extremely simple to install thanks to the easy-access connection area. The antenna is housed internally to guarantee protection from atmospheric agents. Light diffusion is absolutely uniform throughout the illuminated area thanks to the 4 LEDs. Can be either wall or side mounted without the use of adapters. The ergonomic base and cover shape protects the electronics from the elements.

# Accessories. A new vision.



<p><b>INDEX</b> Key-operated switch</p> 	<p><b>INDEX BUS</b> Euro key-operated switch</p> 	<p><b>INDEX EURO</b> Euro key-operated switch</p> 	<p><b>INDEX INSERT</b> Euro key-operated switch, flush fitting version</p> 	<p><b>TACT DEC</b> Decoder</p> 	<p><b>TACT CARD</b> Decoder</p> 
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<p><b>TACT</b> Digital switch keypad</p> 	<p><b>TACT RADIO 868</b> Wireless digital switch keypad</p> 	<p><b>TACT RADIO 433</b> Wireless digital switch keypad</p> 
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- Backlit buttons in unalterable metal
- Shock-resistant die cast metal case
- Electronics protected thanks to the pre-assembled perimeter gaskets
- Ease of installation, thanks to two options for the passage of the power cables

<p><b>DART</b> External photocells</p> 	<p><b>DART BUS</b> External photocells</p> 	<p><b>DART SLIM</b> External photocells (slim version)</p> 	<p><b>DART BUS SLIM</b> External photocells (slim version)</p> 	<p><b>DART ADJUSTABLE</b> Adjustable external photocells</p> 
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<p><b>DART BUS ADJUSTABLE</b> Adjustable external photocells</p> 	<p><b>DART ADJUSTABLE BATTERY</b> Battery powered adjustable external photocells</p> 	<p><b>DART SYNC</b> External photocells</p> 	<p><b>DART SLIM SYNC</b> External photocells (slim version)</p> 	<p><b>DART INSERT</b> Flush fitting photocell</p> 
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<p><b>DART ADJUSTABLE INDUSTRIAL</b> Adjustable anti-vandalism photocell</p> 	<p><b>DART COVER SLIM</b> Anti-vandalism photocell cover</p> 	<p><b>DART COVER</b> Anti-vandalism photocell cover</p> 
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- Pre-assembled o-ring gasket ensures electronics are well-protected
- Ample space dedicated to connections for greater convenience
- Fixing screws isolated from electronics to make connection more efficient
- Ease of installation, thanks to two alternatives for the passage of power cables

# Fort YM2018 Fortissimo!



A completely new version of the Fort range with the addition of a new industrial grade actuator, the Fort 2500.

A sliding gate motor for residential and industrial use with built-in electronics which are easily accessible and pre-wired. The innovative design pays close attention to finishing, and the epoxy powder coating guarantee durability and resistance to wear over time. In addition, the new design guarantees greater protection to the motor body, while the thick cover guarantees that it is hard-wearing. The pinion protection with central opening prevents the ingress of rainwater or debris, thus providing enhanced protection for the mechanism. The metal gearing provides seamless transmission of motion while the motor support bearings guarantee silent operation, even at full load.



**THE NEW FORT 2500**

The fixing base is in die-cast aluminum. The height and level can be easily adjusted with the accessories included. The 4 ground fixing points are easily adjustable for depth, even in difficult installation situations. Emergency unlocking with easy opening are ensured

using the aluminum key and handle, which are protected by a sliding door. The irreversible motor prevents accidental or intentional forcing of the gate. The unit is fitted with 4 holes for rubber cable entry ensuring ample space for cable passage with adequate protection against the ingress of insects.

Magnetic stop, molded steel structure and single-phase and three-phase geared motor. The gears are in metal and bronze. Opening is operated by using a key lock. Access to the lever release is robust and functional, thus ensuring durability. The electromechanical brake and self-ventilated motor ensure functionality and safety.

24V



**FORT 400 24V**



**FORT 600 24V**



**FORT 1000 24V**

230V



**FORT 500 230V**



**FORT 800 230V**



**FORT 1000 230V**



**FORT DUAL 1000 230V**



**FORT 1500 230V**

230V

380V

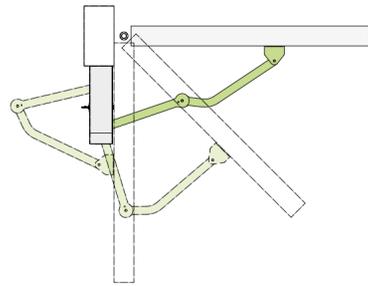


**FORT 2500 230V**



**FORT 3500 230V**

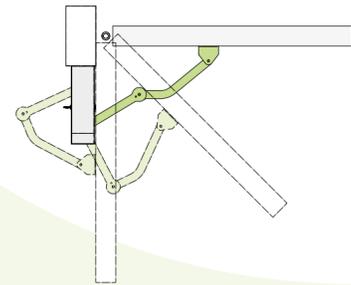
# Condor S, compact strength



Condor 500 S is an articulated-arm actuator which is reversible, compact, impact-resistant, with on board control panel.

Suitable for installation on narrow pillars from 120 mm. It guarantees safety in case of emergency manoeuvres and maximum power output thanks to enhanced torque. Condor 500 S is equipped with both opening and closing limit stops. Easy and practical to install with a steel bracket.

A vast range of articulated arms adapting automation to the most diverse assembly needs.



### Practical

- On-board control unit and built-in receiver.
- LED/trimmer adjustments for easy set-up and diagnostics.
- Electronic limit switches.

### Mechanical components manufactured on-site in Comunello

- Compact steel casing and cover.
- Epoxy powder coating for greater weather resistance.
- Reducer with metal bushings and gearings.

### Safe

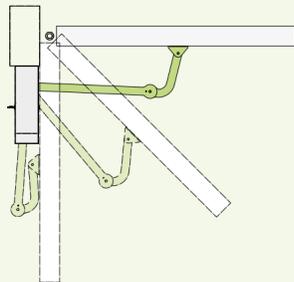
- Irreversible motor.
- Non-shearing steel arm.
- Key and handle emergency release.
- Possibility of remote cable operation.

### Limit stops

- Automatic/semi-automatic setup of limit switches, timer and reduced speeds.

### Fixing

- Installed on pillar with a reversible steel bracket supplied as standard.
- No welding necessary.



CONDOR 500 S



CONDOR 220



CONDOR 350



CONDOR 500

# Limit-less barriers

The Comunello Limit Barriers are outstanding because of the high performance electronics employed. The excellent quality is further enhanced both through its compatibility with the ONE set up and remote management system as well as through the extremely functional, manual solutions featured. The built-in electronic board is easy to access, the setting of the LED functions and the trimmer ensure easy programming and diagnosis, the presence of integrated encoders ensures even more precise and safer management of slowdowns. The limit switches can be adjusted with a single gesture and both the end-stop (micro-switch) and mechanical stop can be adjusted with the same screw. Thanks to the fixing of the spring with the spherical eyelet, a more fluid movement is obtained which considerably reduces wear. Aluminum gearbox and metal gears are all manufactured by Comunello. The three fixing holes allow the use of a single spring for different barrier lengths.



LIMIT 500



LIMIT 600



LIMIT 800

# open more: integration

Integrator, the all new  
cantilever system with  
integrated automation and  
protected internal rack.

## GRANDE

For cantilever gates up to 16 meters / 1200 kg  
 CANTILEVER GRANDE CGS 350.8G  
 ACTUATORS **FORT**  
 2500 230V - 3500 380V

## PICCOLO

For cantilever gates up to 8 meters / 800 kg  
 CANTILEVER PICCOLO CGS 350.8P  
 ACTUATORS **FORT**  
 600/1000 24V - 800/1500 230V

## MINI

For cantilever gates up to 5 meters / 500 kg  
 CANTILEVER MINI CGS 350.8M  
 ACTUATORS **FORT**  
 400 24V - 500 230V

A new patented cantilever system with integrated automation and protected internal rack. Made in Comunello.

## CANTILEVER SYSTEM WITH INTERNALLY-HOUSED MECHANISM

Self-supporting cantilever gate with internally-housed rack

Monorail with internally-housed rack:

- Aesthetics: the rack on the gate is hidden from view. Being self-supporting, there is no need for a track mounted on the ground.
- Protection. The pinion / rack coupling is completely protected inside the monorail housing, which guarantees excellent protection from atmospheric agents.
- Carriage with integrated pinion providing quick installation: simply connect the pinion to the sliding motor. The installer does not have to carry out any work to weld / fix the rack.
- Pinion wheels with latest-generation bearings: new generation silent shielded bearings (with double shielding) for better dust protection. Suitable for temperatures ranging from -30° to 80°.
- 8 support wheels for each carriage. The weight is always distributed on 4 wheels for each carriage.
- Longitudinal alignment on 16 wheels.
- 4 adjustment screws to adjust glide.
- Possibility to adapt carriages for use with actuators of any brand, by using custom-made adapters.
- Self-balanced on the central pivot.
- The monorails are obtained from steel profiles with a maximum thickness of 6 mm and are available in 3 and 6 m lengths in both galvanized and uncoated versions, depending on the different needs of the market and the installer.
- Secure mounting using six M16 fixings.



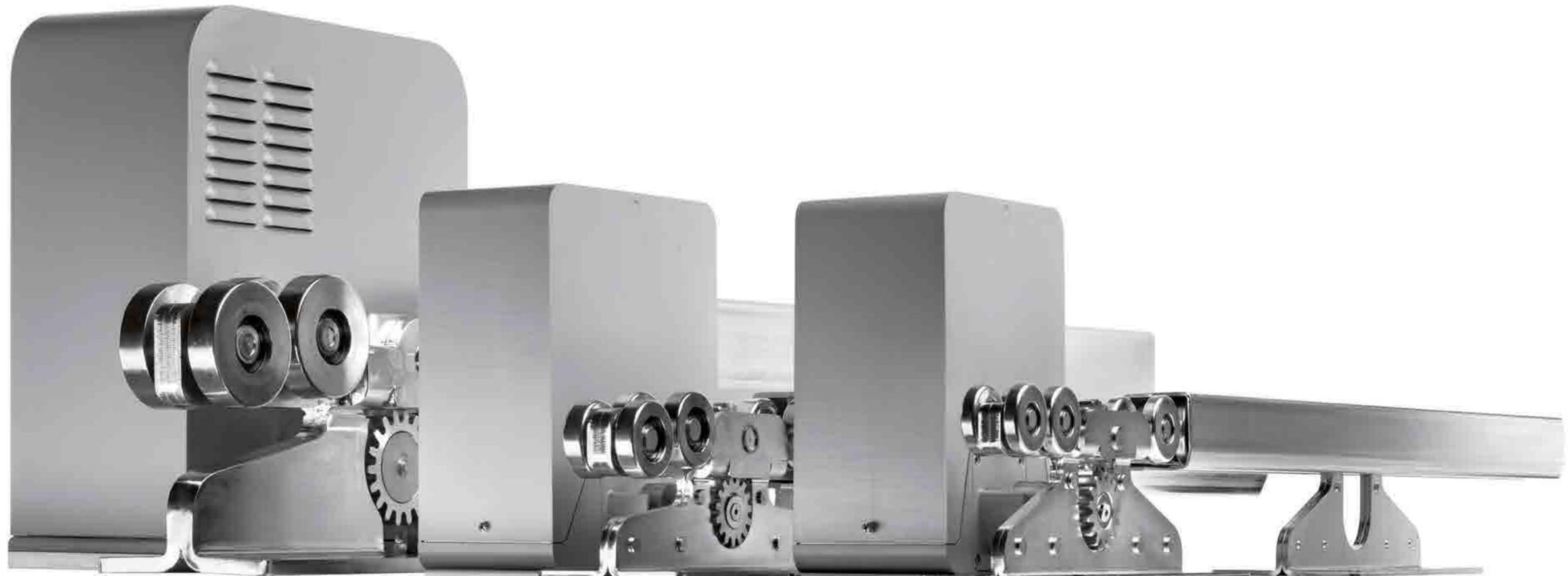
MONORAIL CGS-345G



MONORAIL CGS-345P



MONORAIL CGS-345M



# A complete range of actuators and accessories

## Abacus



For leaves up to 2,20 m (Max leaf weight: 200 kg).  
For leaves up to 300 kg, max leaf length is 1,2 m

**ABACUS 220**

For leaves up to 3 m (Max leaf weight: 300 kg).  
For leaves up to 500 kg, max leaf length is 1,5 m

**ABACUS 300**

For leaves up to 5 m (Max leaf weight: 220 kg).  
For leaves up to 500 kg, max leaf length is 2 m

**ABACUS 500**

## Eagle



**EAGLE**  
Underground electromechanical actuator for leaf up to 3,5 m (350 kg) per leaf / 600 kg for leaf up to 2 m in length

## Ram



**RAM 220**  
Telescopic reversible rod actuators for swing leaves up to 2,2 m

**RAM 300**  
Telescopic reversible rod actuators for swing leaves up to 3 m

**RAM 500**  
Telescopic reversible rod actuators for swing leaves up to 5 m / 500 kg leaf weight, max leaf length is 2,00 m

## Rampart



**RAMPART 600**  
Actuator for sectional and counterbalanced garage doors thrust 600N

**RAMPART 1000**  
Actuator for sectional and counterbalanced garage doors thrust 1000N

## Salient



**SALIENT**  
Electromechanical actuators for projecting and non-projecting up-and-over garage doors up to 9 m<sup>2</sup> with two motors

By multiplying our efforts, summing our energies and dividing our skills, we're ready for every new challenge the future holds.

Today, after 50 years, it's a mathematical certainty:

There is strength in division



Presenting  
the ways  
of the  
future - now

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