

Wireless control of outdoor spaces

**LIGHTING, AUTOMATIONS, HEATING, VENTILATION,
WIND, RAIN, SNOW ...**



 Inlumina

A NEW WAY OF ENJOYING THE OUTDOORS

COMFORT AND WELLBEING IN A CLICK

The wide range of INLUMINA outdoor products has been studied to encourage a revival of the use of outdoor areas in a simple, safe and convenient way. Comfort, cutting-edge technology and innovative concepts are the key features of these solutions for the lighting and automation of pergolas, verandas, blinds, winter gardens/conservatories and swimming pools covers.

● Comfort and wellbeing

With INLUMINA you can create the right atmosphere for every situation and exploit to the full your outdoor areas both in summer and winter using simple and unobtrusive products. The result is a real leap in quality in terms of personal wellbeing and convenience.

● Simple to use

Illuminating the spaces, adjusting pergolas, screens and blinds, keeping the temperature pleasingly comfortable at all times and protecting your outdoor areas from bad weather is easy thanks to user-friendly controls.

● Centrally controlled automation

A single wireless transmitter keeps motors and lighting, blinds and screens, sensors, heating and ventilation constantly under control. The whole home at your fingertips with just a click.

● Full range of products

Customers have every possibility of finding a solution that is compatible with their architectural, aesthetic and functional requirements thanks to the wide choice of products for outdoor living areas.

● Easy and quick installation with Plug&Play wiring

Wireless outdoor products make for fast and faultless installations. The low voltage PLUG&PLAY wiring harness for the lights and automated devices allows complex systems to be easily installed.



COMPLETE SOLUTIONS, SO SIMPLE TO INSTALL

INLUMINA outdoor products are designed to satisfy all customer requirements as well as the features of the structures to be controlled. All the devices that are part of INLUMINA systems are low voltage to ensure a completely safe installation. The lighting, automation, heating, ventilation, sensoristics and protection against atmospheric phenomena of outdoor spaces can be admirably controlled in a simple and coordinated way. Users have access to a wide variety of possibilities, always in line with their needs and the latest market demands.

Lights, automated systems, heaters and sensors for all automation requirements

The products in the wide INLUMINA range are compatible and integrable with each other meaning complete systems can be installed that meet the architectural, functional and aesthetic requirements of the customer.

1



Dimmable LED lights

2



24V and 230V automated systems control

3



Dimmers for heaters up to 6000W

4



Air quality control combined with sensors

5



Climate and light level control sensors

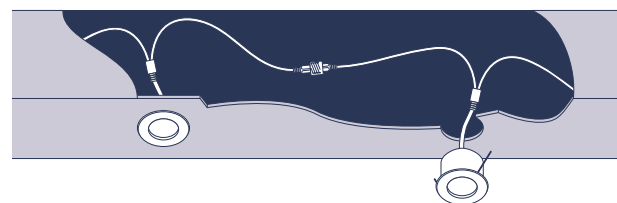
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Remote control with smartphone and tablet

Integrated cables and connectors

Example of series connection of spotlights, made easy with the practical Plug&Play connection system.



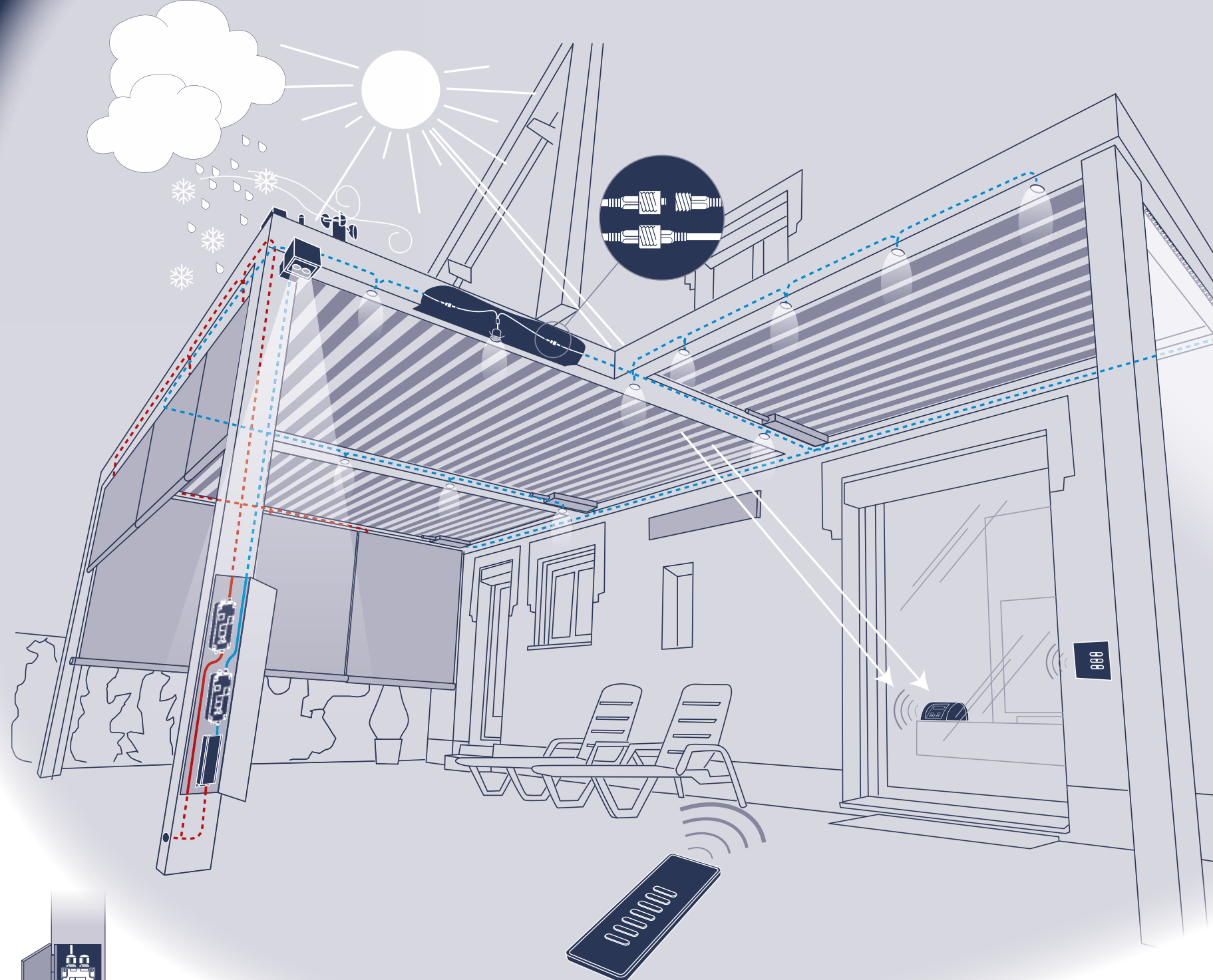
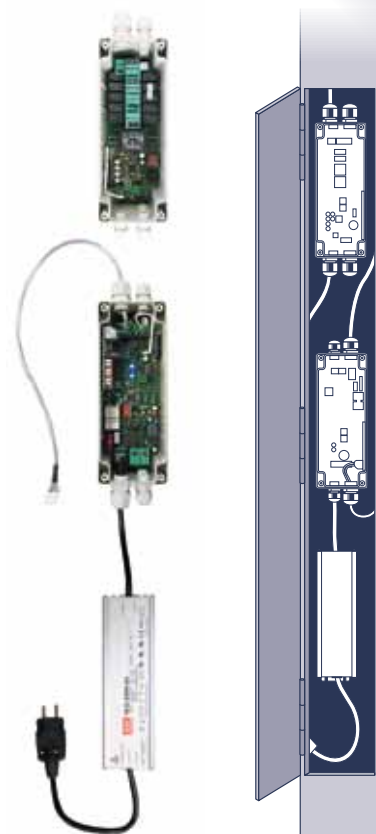
Example of series connection of spotlights, made easy with the practical Plug&Play connection system



Plug&Play connector

Truly compact

The overall dimensions are minimal so any solution can be installed even where space is at a premium or architecturally complex. The visual impact is therefore also minimal and installation costs reduced.



Wireless sensors and controls for all automated systems

All the systems can be remotely controlled and managed via radio to eliminate physical connections between components and in so doing reduce installation times and the need for costly building work.



Low voltage power supply

All the component devices of INLUMINA solutions are powered at low voltage to ensure a safe installation.

ENERGY SAVING AND WELLBEING

INLUMINA outdoor products offer the possibility of intelligent management of energy consumption, given that the light intensity can be adjusted and operation of the automated systems programmed according to requirements.

You can have the level of light you want by dimming the lights and adjusting blinds, screens and slats to achieve the desired balance between natural and artificial light, while also controlling the heat generated by direct exposure to sunrays. The level of comfort can be kept under control in the same way with the devices for ventilation, heating, direction of slats and screens and the integrated management of the system of rain, temperature, snow, light and wind sensors. This is all to the benefit of rationalised consumption to avoid wasting energy.



Every environment can have its own solution of management and control tailored to the characteristics of the system and to the needs of the user



Opening and closing in a stroke

Screens, blinds and slats of pergolas, verandas and roofing are opened and closed through a single wireless remote control. All transmitters, portable, tabletop, wall-mounted and timers can be fully integrated into the system.



Simple management of lights, including intensity and colour change

All the single-colour and RGB lights illuminating the outdoor areas are switched on and off and dimmed through a single wireless remote control according to the system that has been chosen.



Light scenarios, blinds and screens adjustable as you want

Different light scenarios can be stored for each environment so that blinds and screens are positioned suitably for different situations and moments of use. Each scenario may be recreated with a simple click on your remote control.



Management of ventilation for a better quality of air

The control devices for heaters and fans can be used to create the ideal conditions to make your outdoor spaces pleasingly comfortable at all times, managing the quality of the air and offering you maximum wellbeing.



Protection against atmospheric events

Rain, wind, temperature and snow sensors provide the information for best management of your outdoor areas, automatically protecting them by closing or opening screens, blinds and roofing in the case of atmospheric phenomena.



Energy saving and comfort with the Green Mouse sensor and the timer transmitter

Green Mouse automatically varies the light intensity or the position of the automated systems as the natural light level changes. When combined with a timer it ensures high energy saving by automatically switching lights and devices on and off at set times.



The temperature you want all year round

With the programmed control of infrared and resistance heaters you can use pergolas, verandas and winter gardens/conservatories at any time of the year whatever the weather.



The convenience of managing all your environments by tablet and smartphone

The MY-HAND solution features a single Wi-Fi/wireless unit that lets you coordinate and control the entire home through your smartphone or tablet.

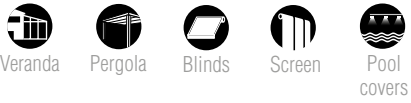
A COMPLETE RANGE OF PRODUCTS AND FUNCTIONS

LED LIGHTS

FOR VERANDA, PERGOLA, POOL COVERS, SCREEN, BLINDS AND WINTER GARDENS



PEGASO - LED PROFILE



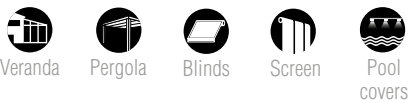
TECHNICAL SPECIFICATIONS

Power output	Power supply	IP	Dimensions
10W	24V	IP65	400 x 21 x h13

- Aluminium LED profile
- Dimmable
- Stainless steel fixing clips
- Supplied with cable, extension and IP65 connectors
- White light
- In and out connection



IDRA - LED WHITE AND RGB STRIP



TECHNICAL SPECIFICATIONS

Power output	Power supply	IP	Dimensions
11W/mt	24V	IP65	5000 x 12 x h4,5

- Flexible LED strip
- Dimmable
- Silicon fixing support
- 3M fixing adhesive
- Supplied with cable, extension and IP65 connectors
- White or RGB light
- In and out connection



BETA - LED DOWNLIGHT



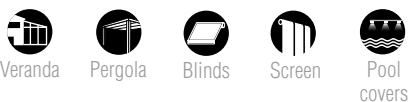
TECHNICAL SPECIFICATIONS

Power output	Power supply	Beam angle	IP	Cut out
4,5W	24V	36°	IP54	37 mm

- Recessed LED
- Dimmable
- Stainless steel fixing spring
- Supplied with cable, extension and IP65 connectors.
- White light
- In and out connection



SIRIO - RECESSED SPOT LED



TECHNICAL SPECIFICATIONS

Power output	Power supply	Beam angle	IP	Cut out
1/2,5W	350/700mA	60°	IP54	22 mm

- Recessed LED spot
- Dimmable
- Stainless steel fixing spring
- Supplied with cable, extension and IP65 connectors for series connections
- White light
- In and out connection



ALFA - LED PROJECTOR



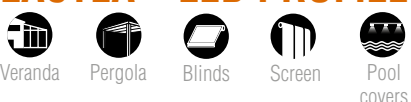
TECHNICAL SPECIFICATIONS

Power output	Power supply	Beam angle	IP	Ø Fixing base
4,5W	24V	36°	IP54	52x36 mm

- LED projector
- Dimmable
- Wall and ceiling mounting
- Adjustable by 355° on the vertical axis or by 90° on the horizontal axis
- Supplied with 20 cm cable with connector
- White light



LACTEA - LED PROFILE



TECHNICAL SPECIFICATIONS

Power output	Power supply	IP	Dimensioni
6/12W	24V	IP65	530/950 x 15,2 x 6 mm

- Aluminium LED bar
- Dimmable
- Stainless steel fixing clips
- Supplied with 120cm or 40cm cable, extension and IP65 connectors.
- White or RGB light



DIONE - LED PROJECTOR



TECHNICAL SPECIFICATIONS

Power output	Power supply	Beam angle	IP	Dimensions
8W	24V	45°	IP54	127x70 mm

- Wall LED
- Dimmable
- Wall mounting
- Adjustable by 355° on the horizontal axis
- White light



PAVO - LED PROJECTOR



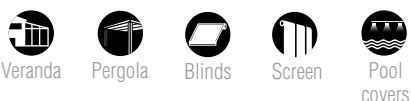
TECHNICAL SPECIFICATIONS

Power output	Power supply	Beam angle	IP	Ø Fixing base
3W	24V	8°/30°	IP65	58 mm

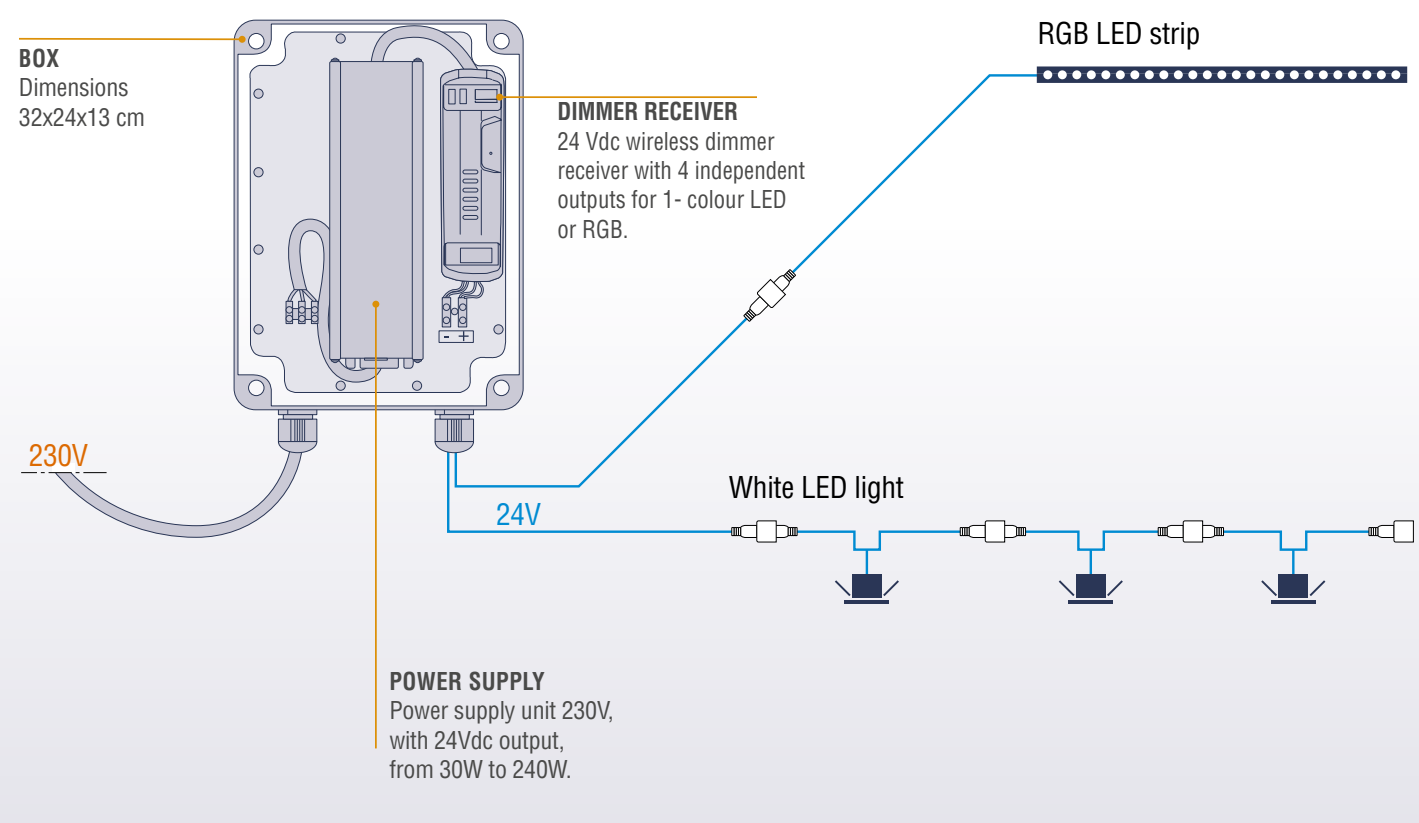
- LED projector
- Dimmable
- Floor or wall mounting
- Adjustable by 60° on the horizontal axis
- Supplied with 1m cable

PLUG&PLAY WIRING


IP54 LED KIT




CABLES AND WIRINGS
Extension cables and closing caps.



CONTROL UNIT FOR THE CONTROL OF 2 MOTORS - 24V FOR PERGOLA



Pergola





- Independent or simultaneous control of motors
- Control of 1 or 2 24Vdc motors
- Wireless control
- OPEN/STOP/CLOSE functions automatically and deadman
- Opening speed adjustment
- Working time learning
- Obstacles control
- Limit switch control
- Automatic opening at 60° - 120° - 175° with 7 CH transmitter

- Wind sensor input
- Rain sensor input
- Temperature sensor input
- Snow function (when present rain and temperature sensor)
- Low voltage relay contact output
- Plug-in connectors for card for RGB and white LED lights control
- **Dimensions: 185x75x70 mm**

CONTROL UNIT FOR THE CONTROL OF 2 MOTORS - 230V FOR PERGOLA AND BLINDS


Pergola


Blinds




- Independent or simultaneous control of motors
- Control of 1 or 2 230V tubular motors
- Wireless control
- OPEN/STOP/CLOSE functions automatically and deadman
- Working time learning
- Automatic opening at 60° - 120° - 175° with 7 CH transmitter

- Wind sensor input
- Rain sensor input
- Temperature sensor input
- Snow function (when present rain and temperature sensor)
- Low voltage open contact output
- Plug-in connectors for card for RGB and white LED lights control
- **Dimensions: 185x75x70 mm**

LED CARD

LED card for the ON/OFF control and for the adjustment of white and coloured lights intensity.




- Independent and simultaneous control of RGB and white outputs
- ON/OFF adjustment, dimming and colour cycle function
- 4 60W outputs, (max 240W)
- Power supply 24Vdc


POWER SUPPLY FOR 24V CONTROL UNIT AND LED CARD



- Power supply unit with 230V input and 24Vdc output
- Available powers from 100W to 240W
- Protection degree IP64
- **Dimensions: 39x244x68 mm**

CONTROL UNIT FOR THE CONTROL OF 4 MOTORS - FOR PERGOLA AND BLINDS


Blinds


Screen

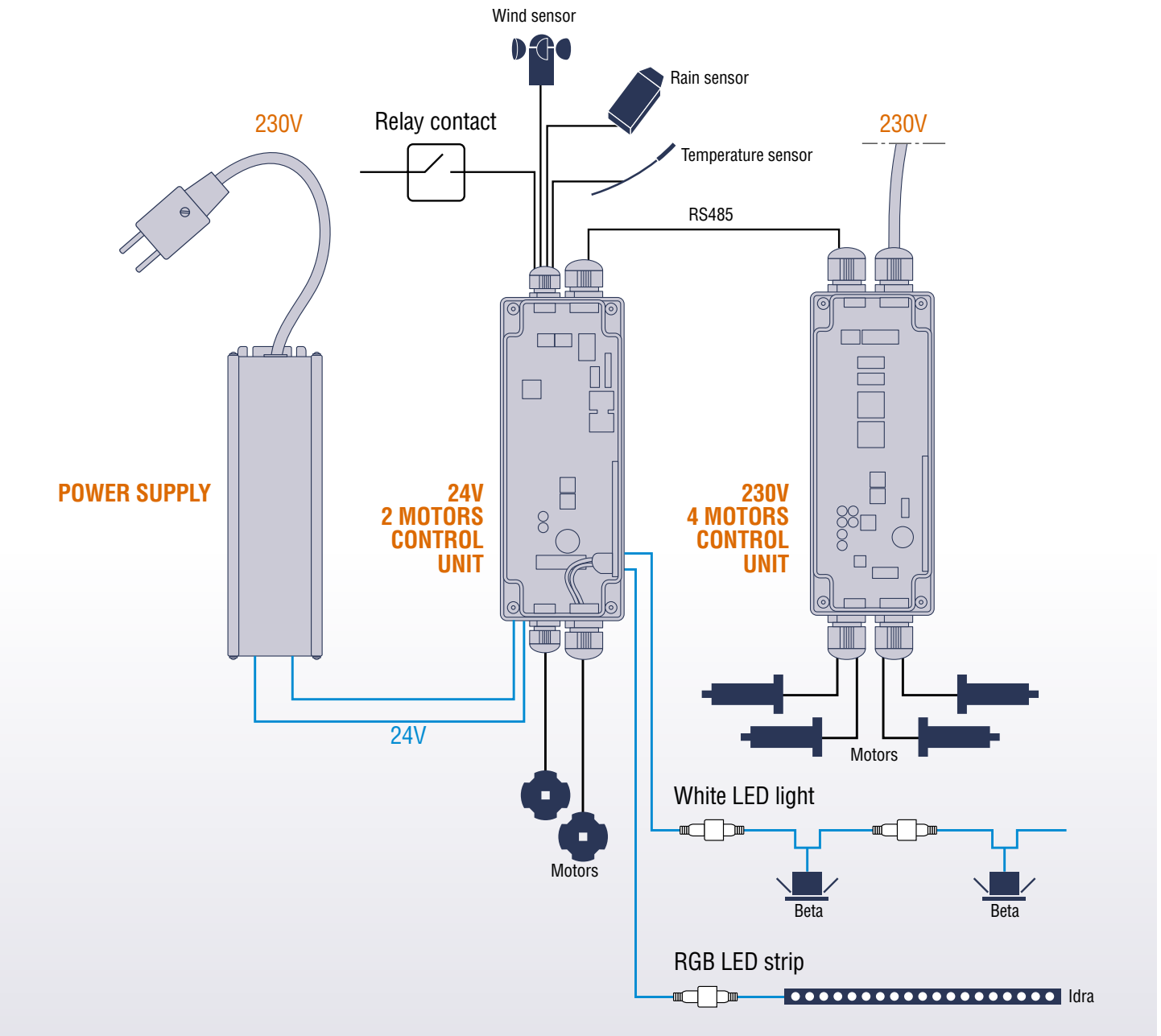


- Independent or simultaneous control of motors
- Control of 4 230V tubular motors
- Wireless control
- OPEN/STOP/CLOSE functions automatically and deadman
- Wind sensor input
- **Dimensions: 185x75x70 mm**

NB. Option:
the control unit can be serially connected to the control units for the control of 2 motors, in order to benefit from the same wireless control and from the same wind sensor.

WIRING

INTEGRATED SOLUTION: AUTOMATIONS, LIGHTS AND SENSORS



HEATING

FOR VERANDA, PERGOLA, POOL COVERS, AND WINTER GARDEN



DIMMER FOR HEATERS

- 230V wireless dimmer with 1 output for resistive/infrared heaters
- Dimmer function
- Heaters control up to 6000W
- If controlled with a 4 CH transmitter the first 3 channels activate the levels, the 4th channel do the switching off
- Input for wired push button
- Temperature sensor input
- **Dimensions: 165x64x30 mm**

The dimmer for heaters is compatible with temperature and presence sensor, to ensure automatically a climate always pleasant.

VENTILATION

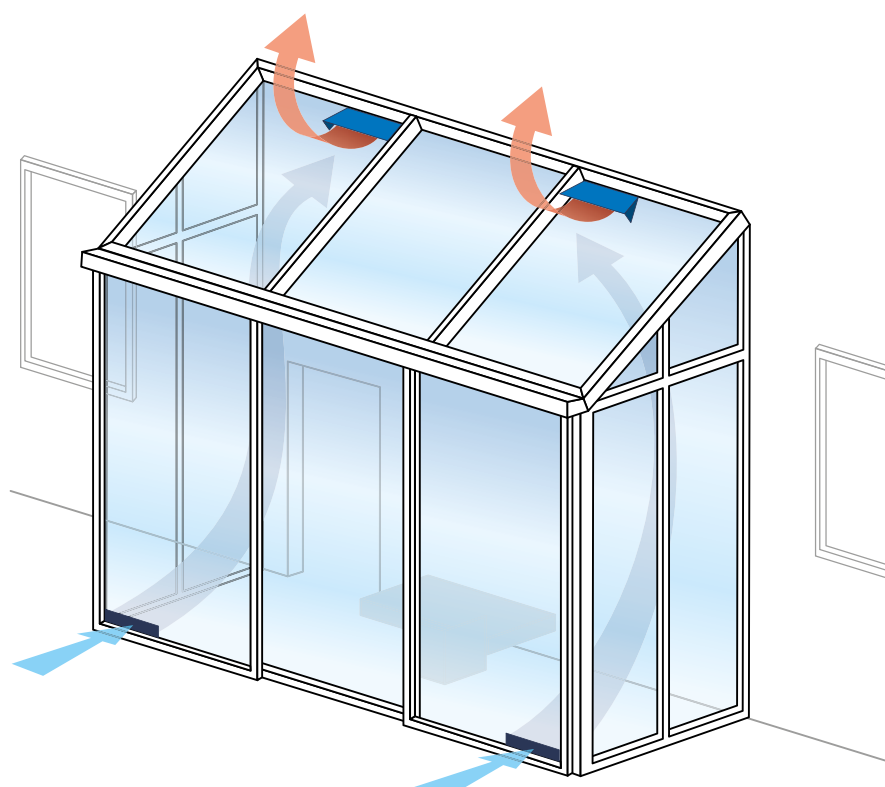
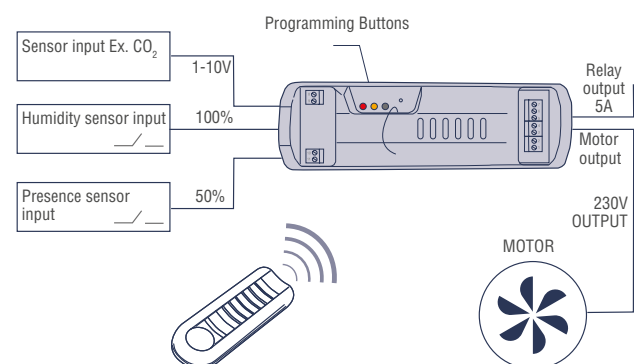
FOR VERANDA, POOL COVER, AND WINTER GARDEN



DIMMER FOR VENTILATION

- 230Vac wireless dimmer with integrated radio receiver for the control of fans up to 400W
- Can be associated to sensors: CO2, temperature and humidity
- Dimmer function and possibility to pre-set 4 different ventilation levels
- 5A relay output

The ventilation and air extraction system keeps the temperature and quality of air in pergolas, verandas and winter gardens ideal throughout the year whatever the weather. The ventilation and extraction controller can be combined with various sensors including ones for humidity, CO2, and temperature, automatically creating a healthy environment. The heater controller is compatible with the temperature and motion sensor so that the environment will automatically remain pleasingly comfortable.



SENSORS

FOR PERGOLA AND BLINDS



WIND

- Wind sensor



RAIN

- Rain sensor



TEMPERATURE

- Temperature sensor at 1,5 mt for detection from -40° to +85°C



SNOW

- The combination between temperature and rain sensor detects the snowfall and can open the slats of the pergola or close the screens or the blinds.

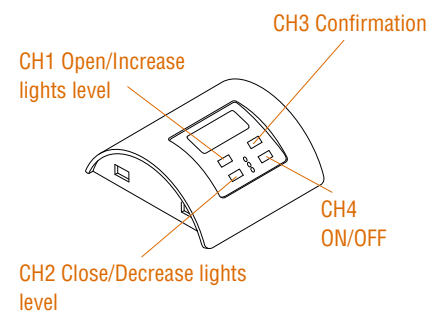
GREEN MOUSE

FOR VERANDA, PERGOLA, POOL COVER, BLINDS AND WINTER GARDEN



WALL/TABLE TRANSMITTER WITH LIGHT SENSOR

- Wireless transmitter with light sensor integrated for the control of brightness
- Wall and table application
- Possibility to control lights, blinds or screens with single or group commands.
- The transmitter is associated to the wireless receiver connected to the lights or to the blinds and screens. It checks the brightness of the environment and sends to the receiver lights dimming commands or blinds and screens open/close commands, to adjust the light intensity or the opening according to the pre-set level.



FUNCTIONING

HOW TO ACTIVATE IT: turn ON the light with a transmitter programmed for the ON function.

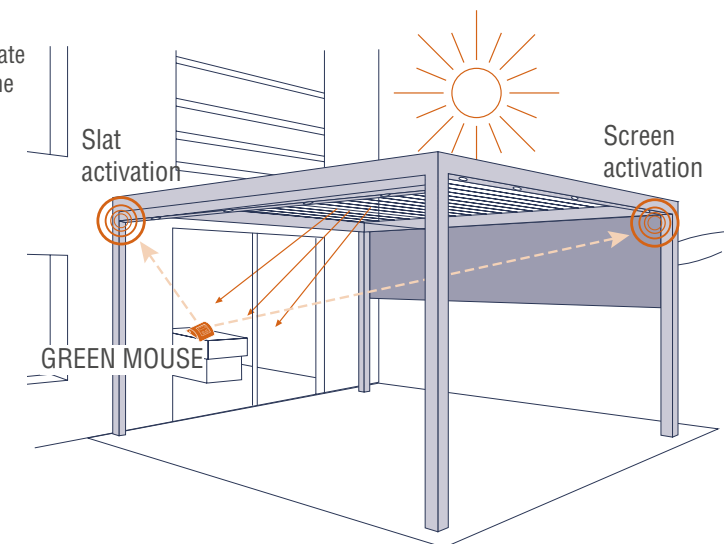
HOW TO SET IT: choose the desired light level by dimming UP and DOWN the lights or by adjusting screens, blinds and slats with the buttons CH1 and CH2. Store the desired level with button CH3.

DURING OPERATION: Green Mouse checks the light level and automatically dim UP and DOWN or adjust screens, blinds and slats to regulate the light intensity according to your pre-set level set with CH3.

HOW TO DEACTIVATE IT: turn OFF the light with a separate transmitter programmed for the OFF function.

AVAILABLE MODELS:

- Activation of scenarios for sunrise and sunset
- Activation of motors for blinds and screen control
- Lights adjustment



MY-HAND

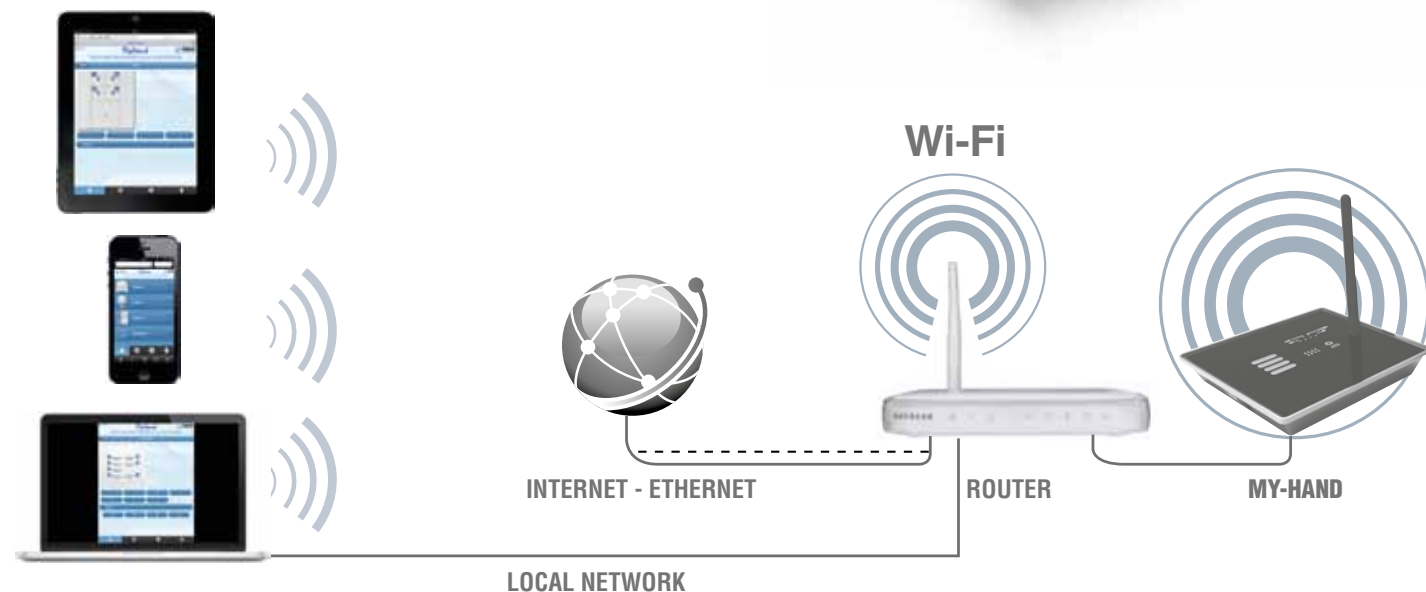
FOR VERANDA, PERGOLA, POOL COVER, BLINDS AND WINTER GARDEN

Are you looking for a solution that allows to coordinate and control automations, lights, climatization, safety and security of your home in a single system simply through your smart-phone?

The solution is **MY-HAND**, the new Teleco Automation interface which allows connection through a Wi-Fi router with any terminal (pc, notebook, tablet, smart-phone) using remote access via internet or ethernet.

MY-HAND uses a special, easy-to-use graphical interface which can be customised.

MY-HAND enables you to use your smart-phone like a normal transmitter!



ADVANTAGES

- **Plug & Play.** My-Hand does not require any complicated installation procedure; the system is implemented through simple and intuitive connections.
- **Your whole house is under control with a single wireless device.** At any time of day, 24 hours 24, you can have the whole house under control through a single wireless device.
- **Control through any terminal** PC, smartphone, tablet, notebook: any Internet-enabled device can be used to interface with MY-HAND.
- **No Software and specific applications are needed** to use MYHAND. Its functioning is immediate, all you need to use is a Wi-Fi router and Internet connection.
- **Simple and immediate use.** MY-HAND is a device highly customizable, easy and immediate to consult. You can send commands at any time and with any communication device connected to your home's Wi-Fi network towards your lights and automations

TRANSMITTERS

FOR VERANDA, PERGOLA, POOL COVER, BLIDS AND WINTER GARDENS

INTENSE

- Range of wall wireless transmitters, from 1 to 7 CH for the control of lights and automations
- Possibility to manage different light scenes
- Available in different elegant materials: glass, iron, poly glass and poly
- Design with thin forms, for harmonious integration in any environments
- Easy to fix, no building works are required
- Battery power supply



EVO

- Wireless transmitter from 3 to 42 CH for the control of lights and automations
- Simple and immediate installation, it can be fixed on the wall or portable
- Possibility to manage 4 scenes
- Elegant and simple design
- Battery power supply



TXP

- Wireless transmitter of 1, 2, and 4 CH for the control of lights and automations
- Simple and immediate installation, it can be fixed on the wall or portable
- Compact and comfortable design
- Battery power supply



CLOCK

- Wall wireless timer with display, for the control of 2 loads or 2 automations
- Comfortable to use thanks to the weekly programming
- Through the astro function with geolocation, automations and lights are automatically adjusted according to the time of sunrise and sunset
- Simple design and easy to integrate in any environment
- Battery power supply



PRESENCE SENSOR

- 2 CH wireless presence sensor, for the control of lights and automations
- On / off lights function and light intensity adjustment function
- Possibility to adjust the activation distance, the activation time and the lux
- It can be used in all outdoor environments thanks to the dedicated protective cover
- Battery power supply



CHRONOTHERMOSTAT

- Radio chronothermostat for the control and management of temperature
- Comfortable to use thanks to the weekly programming
- Battery power supply



WHY INLUMINA?

● Centralised control

The entire range of INLUMINA outdoor products can be easily integrated. Integration allows to create complete solutions for controlling and programming lights, heaters, automated systems, motors, sensors and screens of pergolas, covers, winter gardens, etc. All of this through a single transmitter or with your smartphone.

● Product standardisation

Because INLUMINA products are modular and complement each other, they guarantee personalisation for the customer at the same time as standardisation for the manufacturer. They therefore offer the advantage of simultaneously ensuring cost benefits and differentiation. In fact, end users have access to a wide variety of products and can adapt them to their needs.

● Simple to install

Installation is quick and easy with the INLUMINA wireless systems. Automating and illuminating a veranda or a pergola, extending an existing outdoor installation or adapting an outdoor area to meet new and different requirements is extremely simple:

- the radio system not only eliminates all physical connections between the appliance and its controller but also deletes the need for costly and intrusive building work, while minimising the visual impact of the installation;
- the low voltage Plug&Play system makes installation easy and safe.

● Comfort and wellbeing

The automatic lighting and temperature programming and control of your outdoor spaces throughout the year allows you to achieve truly personal wellbeing. Furthermore your veranda, pergola, cover and winter garden can be remote controlled through your smartphone or tablet to ensure they remain pleasingly comfortable at all times.

● Energy saving

The programmed management systems for lighting and adjustment of pergolas, verandas, screen and blinds can avoid pointless waste of energy with considerable savings.

● Compatibility of products

The INLUMINA outdoor products are compatible with motor systems and lights already on the market. This gives the customer freedom and flexibility of choice.

INLUMINA and TELECO AUTOMATION form a single, integrated corporate Group. The two businesses are specialised in home automation via radio and LED lighting respectively. TELECO AUTOMATION designs and manufactures control electronics, radio transmission systems and components for both internal and external building automation. INLUMINA creates LED lighting solutions for every type of environment: residential, indoors and outdoors.

● The strength of a consolidated group, Teleco and Inlumina

TELECO and INLUMINA form a consolidated Group with specialised experience enabling them to offer designer products integrated with cutting-edge and highly functional contents and control solutions. Continual and attentive service by all staff accompanies every solution and system of products. The close-knit bond between these companies means customers deal with a single, reliable and ever-present partner, from the design and engineering stages through to the after-sales service.

