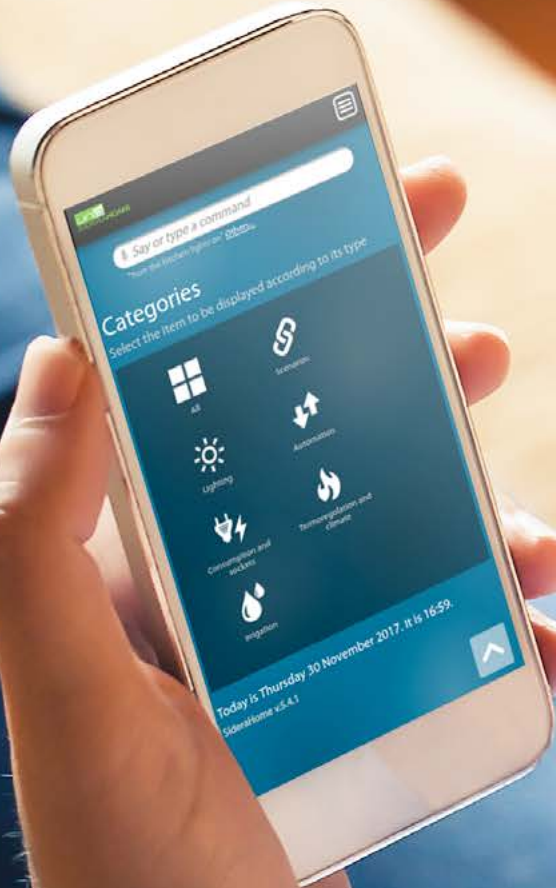



UNDA **AUTOMATION**

MAKE YOUR HOME THE BEST POSSIBLE PLACE TO LIVE, WITH ONE LITTLE ACTION



MASTER
LIVING TECHNOLOGY





With **UNA** all it takes is
one little action,
just one,
to make your home
the best possible place to
live, every day

With UNA all it takes is one little action to **control, manage and protect every room**, even with complex systems installed.

Whether it's your home or a hotel with dozens of rooms that you need to make cosy and welcoming, safe and secure, UNA allows you to control everything you need, thanks to **customised functions** and a **home automation system** built to respond to your needs.

UNA is an **agile customisable system that is alive, capable of evolving and growing with you**. Easily expandable and modifiable, UNA grows and changes with your needs and those of your loved ones, evolving along with you and your home.

MANY DIFFERENT NEEDS, ONE LITTLE ACTION

A home is distillation of different needs that are destined to change with time, depending on the home's inhabitants.

UNA makes life easier, **allowing you to**

control, regulate and protect everything you need. With one little action. As easy as coming back after a busy day to enjoy all the warmth and cosiness of home!

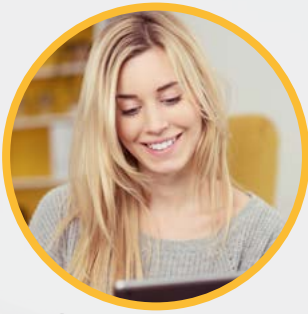
The screenshot displays the UNA HOME automation interface. At the top, there is a navigation bar with 'UNA SIDERAHOME' logo, 'MAPS', 'CATEGORIES', 'CONSUMPTIONS', and 'CONTACTS'. A search bar is located on the right. The main content area is titled 'Ground floor' and includes the instruction 'Check the status and actions of elements in the map'. Below this is a 3D isometric view of a house's ground floor with various rooms and icons representing different systems. To the right of the map is a 'Thermostat' control panel. The thermostat shows a current temperature of 22.9 °C and is set to 'Maximum / Winter'. It features a slider for 'Maximum temperature' (set at 24.0) and 'Minimum temperature' (set at 21.0). Below the sliders are icons for 'Zone Speed', 'Chronothermostat', and 'Change season'. A green circle highlights the thermostat control panel.



SAFETY AND SECURITY

The home must be protected and suitable for all its inhabitants, even the smallest. This is why we have designed a system for safe management of electrical energy and a failure-proof electricity grid. UNA makes sure every room is child-safe and perfectly useable even in the event of a system failure.





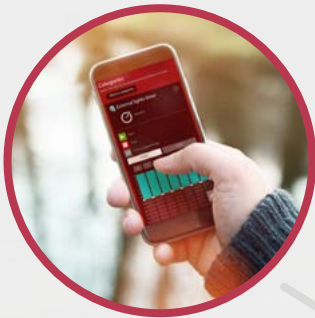
COMFORT

Light and heat are essential for making any room a pleasant place to be. By controlling natural and artificial light levels and temperature in your home, UNA makes sure you enjoy the utmost comfort all year round.



CONTROL

UNA makes it easy for you to control and manage your home with a touch device that controls the flow of information at all times, even from a remote location, using any mobile device or the appropriate section in the web site UNA provides for you and your home.



EXPANDABILITY

UNA is a system built to be modular, expandable and open. This means you can design your own customised management and control system, with no waste, and change it easily any time you want, interacting with external and complementary devices.



ENERGY SAVING

Through a series of priorities for management of loads and consumption, UNA makes sure your home is run in a way that keeps energy consumption in check and prevents overloading. Every appliance in the home is managed as part of a network to ensure optimal functioning and energy savings.





THERE'S NO PLACE LIKE HOME



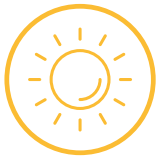
Whether you've just come back from the gym or from a long day at work, no place is ever quite as comfortable as your own home.

This is why UNA thinks of you, allowing you to **create the most relaxing atmosphere in every room, every day**, controlling levels of natural and artificial light, cold and heat according to your preferences.



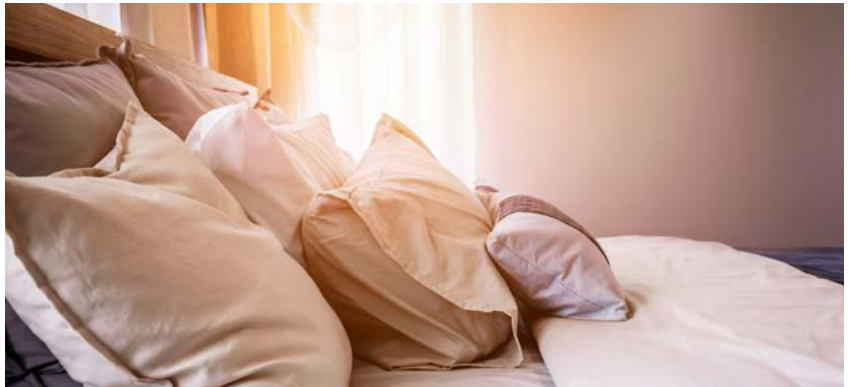
DESIGN YOUR OWN ATMOSPHERE WITH LIGHT

Enjoying the right light levels, by day or by night, is one of the most important rules for creating a relaxing, pleasing environment. To enjoy alone, or with your family.



DAY

Let yourself be pampered by the light of a new day to get out of bed on the right foot and feel full of energy right away! Let the morning light into your bedroom as you prepare to face the adventures the new day has in store.



EVENING

When it's not quite dark out, make the most of the remaining daylight by lighting up your house only where needed. For a relaxing moment reading or lounging in your favourite chair.



NIGHT

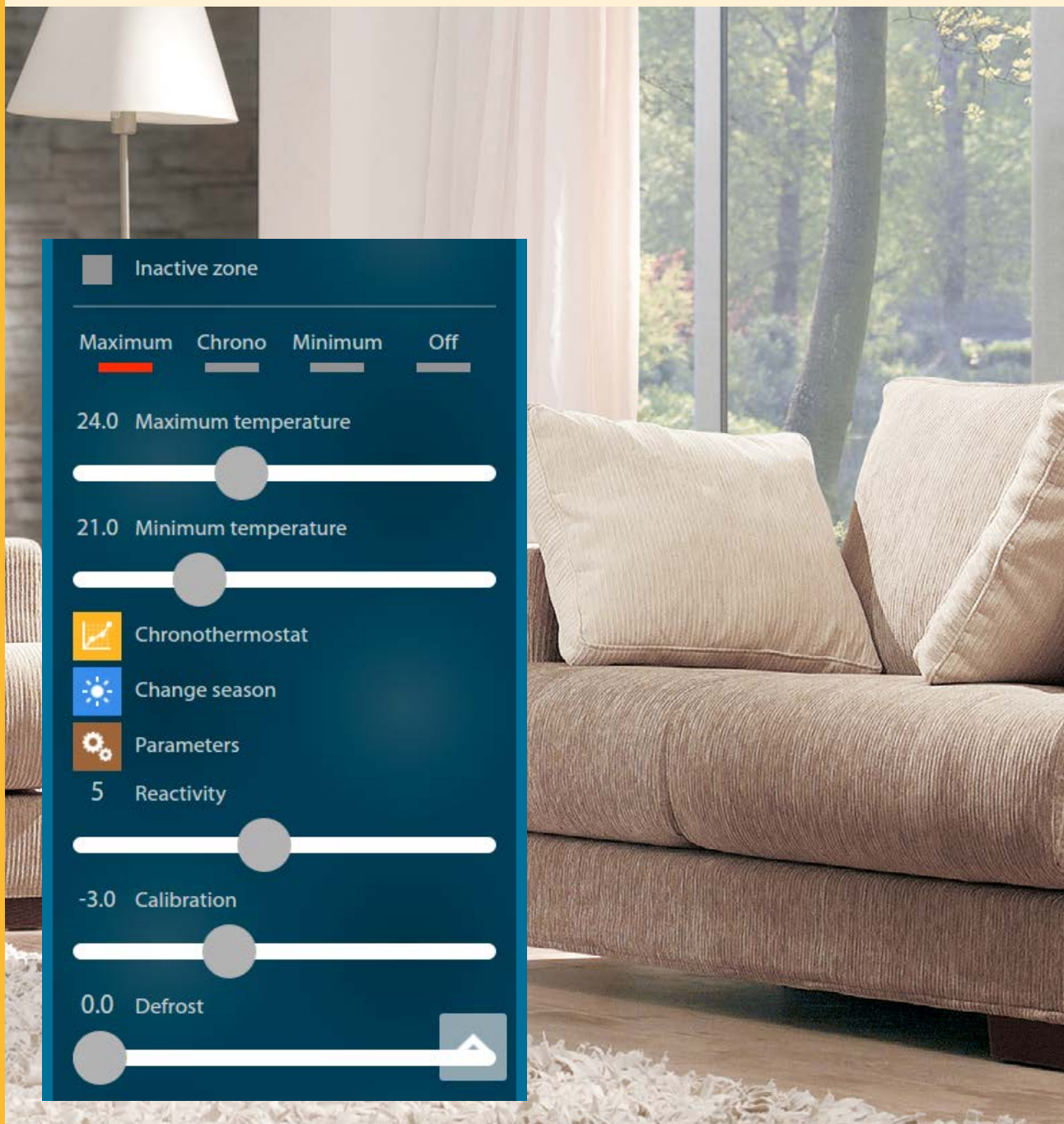
Protect your family's sleep at night by minimising led light levels on controls and making sure there's no need to turn the lights on in the hall. Set your lighting system to night mode, and light levels will be reduced to a minimum so you won't wake anyone up if you get home late.



THE PERFECT TEMPERATURE, ALL YEAR ROUND.

Enjoy the perfect temperature in your home, in mid-summer and on the coldest winter days! UNA makes it **easy to control the climate in every room in the home,**

choosing different temperatures for every room or for different times of day. To make sure you **don't waste energy, and enjoy the time you spend at home.**





A SAFE PLACE FOR ALL



Home means protection, and the home must be safe for everyone. Even the smallest children. UNA allows you to control all the spaces in the home to make it **a completely child-safe place**, even if the central control system fails.



CHILD-SAFE

UNA makes it easy to keep your children safe, deactivating power sockets where they play and explore. For a perfectly child-proof home.



DON'T BE LEFT IN THE DARK

The UNA home automation system is designed to ensure that the home works perfectly even in the event of a failure in the control system. So you won't be left in the dark. Under any circumstances.

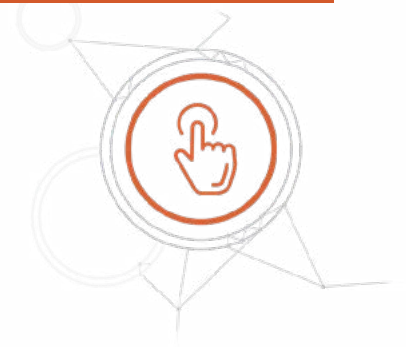


SHELTERED FROM THE WEATHER

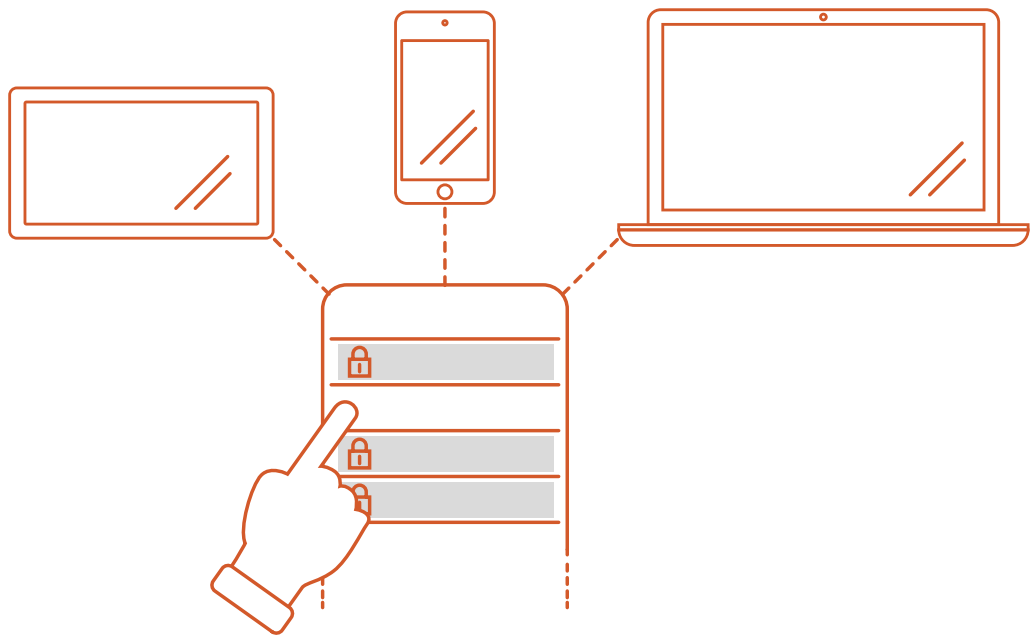
UNA can close your sunshades up automatically when it is windy or raining. So you don't need to worry about sheltering your home from the weather.



SMART CONTROL



UNA has chosen to offer you the utmost comfort in management and control of your home. No need to put your favourite TV show on hold and get up from the sofa to turn on the heating, or remember to turn up the temperature when you get home from work: the UNA home automation system is **easy to control from a touchscreen device** in the home or via **the web with an app** on your mobile device. A versatile, safe, intelligent form of control allowing you to restrict access to certain commands with password protection.



REMOTE TECHNICAL ASSISTANCE

With UNA you don't need a technician to come to your home to change the settings in your control software. **Your technician can work from a remote location** over the web, using a temporary profile and password, responding to your needs instantly without having to come over.

Especially for our business solutions! Just think, for example, how much time and energy you can save by remote controlling settings in multiple hotel rooms or stores belonging to the same brand!



USER-FRIENDLY INTERFACE

The UNA control system has an intuitive user interface which is extremely easy to use, even for handling complex tasks. From controlling the desired temperature to closing the windows, it becomes child's play for you to interact with your home.

A HOME THAT RESPONDS TO ALL YOUR NEEDS

UNA custom tailors control of your home to respond to you and your needs. Its functions respond to the **needs of seniors, the disabled and even the most technologically challenged users!**

Controls can be operated in analogue mode, keyboard mode, or simplified mode, permitting special commands, vocal confirmation of turning on and off for the visually impaired and indicator lights for the hearing-impaired.







ONLY THE ENERGY YOU NEED



Zero waste is the rule when it comes to energy. This is why UNA allows you to **dose the amount of energy you need to respond to your requirements** with extreme precision and an accurate control system, demonstrating the utmost respect for the natural world and our planet.



CONSUMPTION CONTROL

UNA makes your appliances into individually controllable components in a single **consumption management and control system**.

Our home automation system gives you a **historical record of each appliance's consumption** in your grid so you can set up a system of priorities for use in the event of excessive electricity consumption. When your home is nearing the limit on consumption, UNA will attempt to turn off the appliance that is least "important" for you and your priorities.



PHOTOVOLTAIC AND RENEWABLE ENERGY

If you have renewable energy sources, such as photovoltaic energy, you can choose to turn on an appliance of your choice only if your panels are producing enough energy to operate it.



YOUR HOME APPLIANCES

The UNA load management system **does not require special appliances**. All you need is a dishwasher or washing machine that will be turned on when sufficient energy is supplied to it. UNA cuts all your costs, including the cost of purchasing new appliances, and makes it easy for you to control your heating and cooling system just as if it were another appliance.



ONLY ONE LIGHT ON AT A TIME

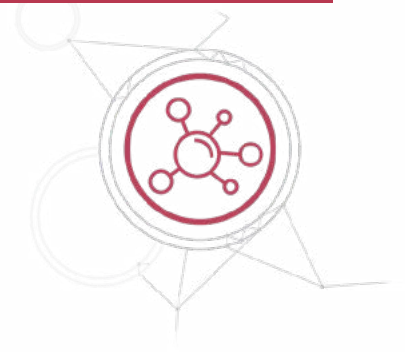
UNA won't let you forget to turn the lights off. If you choose the mode that allows you to have only one light on in the house, you can be sure that when you

turn on the light in the living room, the light you left on in the hall will be switched off. An easy way to cut your energy consumption!

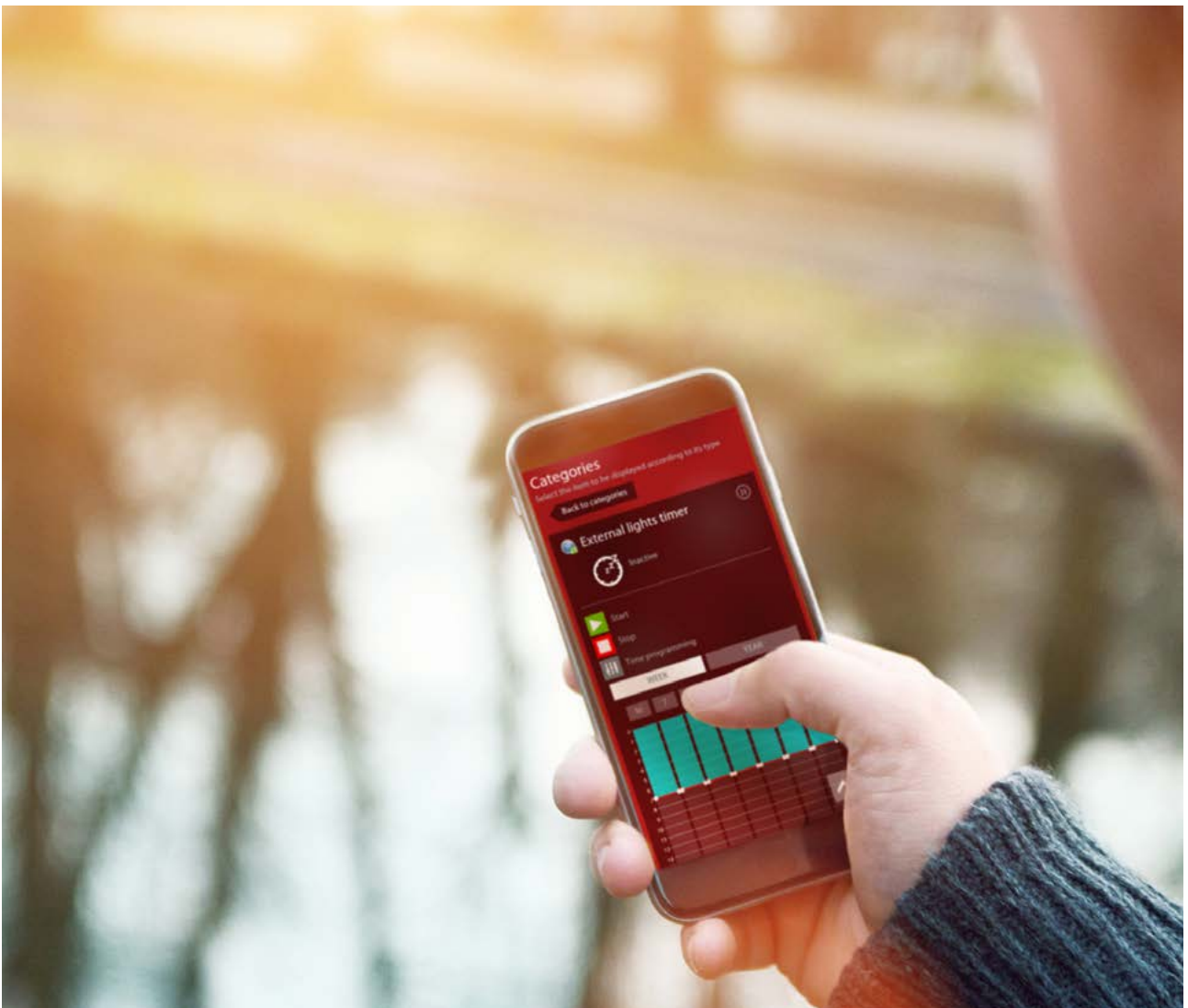


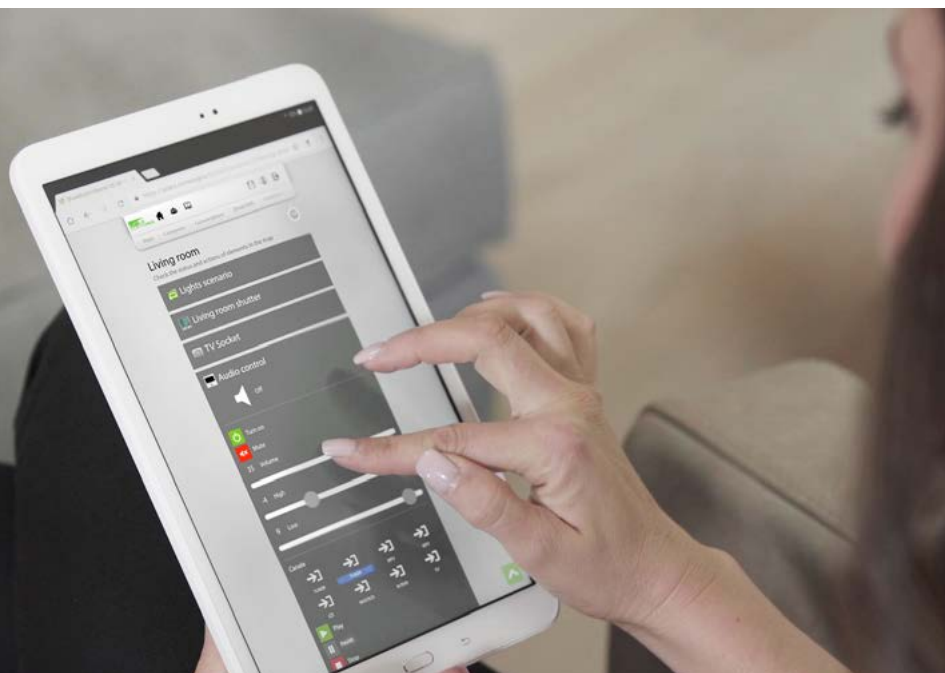


AN OPEN, INTEGRABLE SYSTEM



The UNA home automation system permits **interaction and dialogue with a number of external devices protecting your home**: video door phones, sensors for detecting flooding or gas leaks, alarm systems. To make management of your home increasingly efficient and customisable.





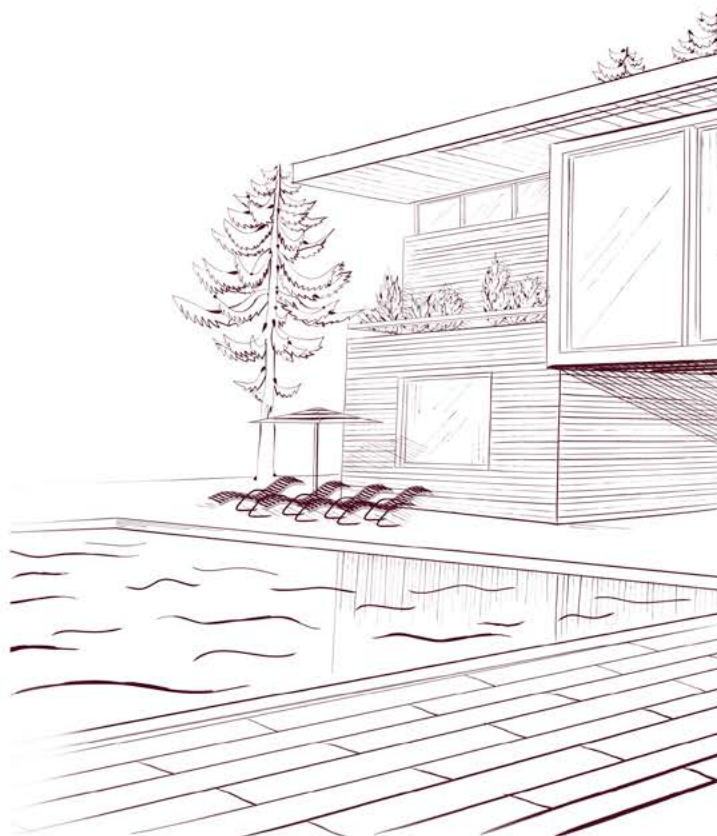
SPEAKER SYSTEM

Pick the perfect soundtrack for your moments of relaxation. With integrated speaker systems, UNA gives you complete control over the music in every room in the home. You can work with different sound sources in every room to customise the atmosphere under all circumstances. Controls are quick and easy to use, allowing you to adjust the music from anywhere using any UNA control device.



VENTILATION

Often out and unable to ventilate your home? UNA can control your ventilation system and turn it on whenever you want. You might want to set it to come on when you are producing energy with your photovoltaic panels.



FLOODING AND GAS LEAK SENSORS

If your home has a protection system for detecting flooding or gas leaks, you can instruct UNA to alert you of problems. A quick, easy to use alert system allows you to act promptly to make sure your home is truly safe.



IRRIGATION

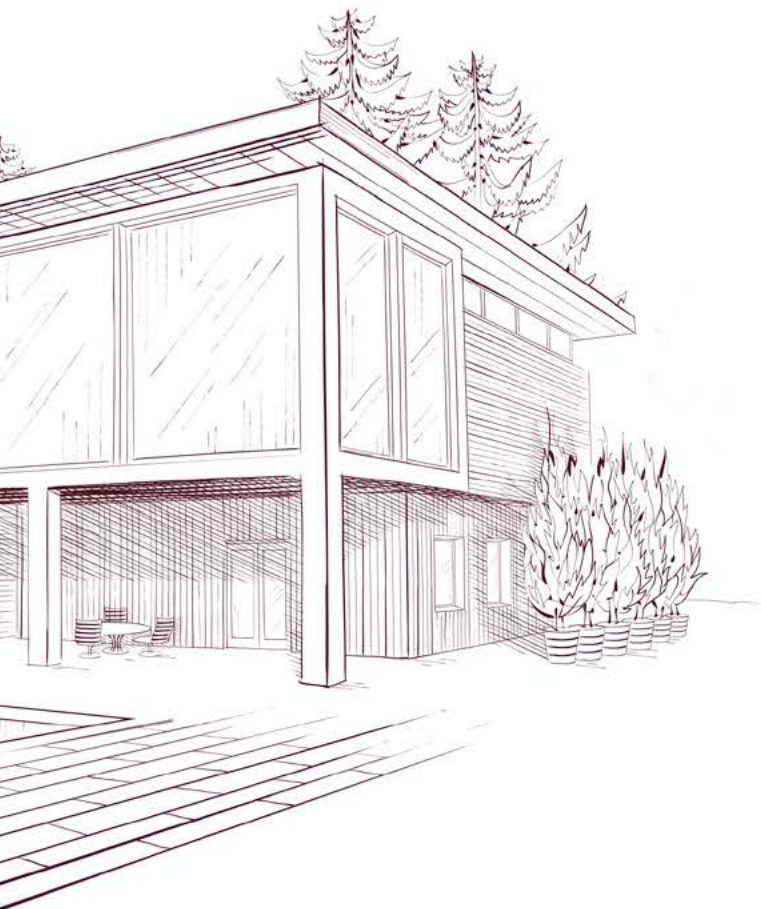
UNA allows you to integrate your irrigation system with our home automation system. You can easily remote control it or choose to have it come on when you are not using much energy.

** The KNX and Konnex trademarks are not the property of Master or of any companies connected with it.*



AIR CONDITIONING

Would you like to be sure your air conditioning system automatically switches off whenever someone opens a window? UNA and its setting and control systems allow you to control your air conditioning system, choosing and adjusting functions to suit your needs.



KNX DEVICES*

UNA allows you to extend and centralise control to include other devices and systems in your home through interaction with a vast range of other manufacturers' devices, appliances, sensors and peripheral devices based on the Konnex* Standard.



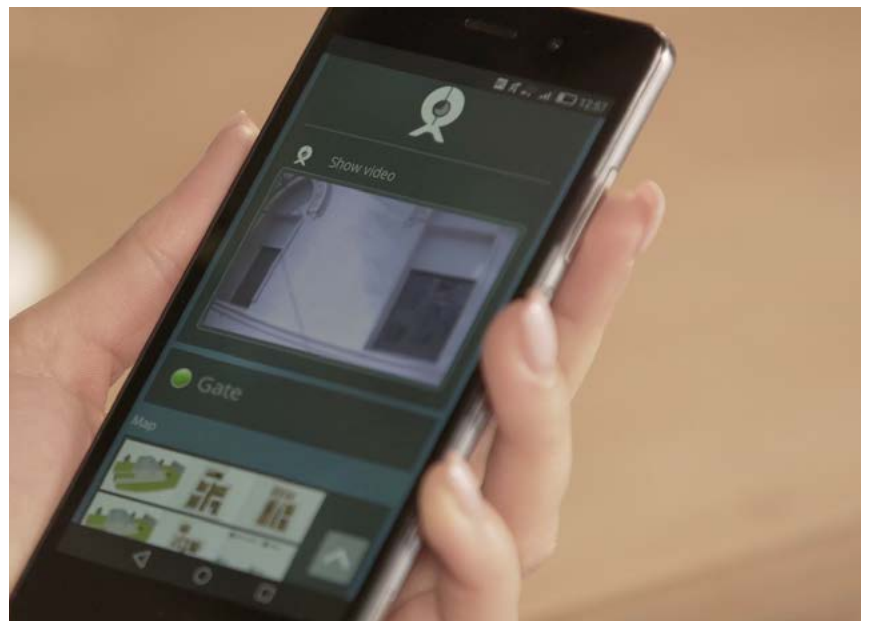
BURGLARY PROTECTION

Running late and rushing out the door again? UNA can close all the shutters in your home when you set your burglar alarm system. And you can choose to receive notification if a window has been left open.



SECURITY CAMERAS

UNA allows you to keep an eye on the house by connecting up to your security camera system. An important function that allows you to view the image recorded by the camera when the doorbell rings, or when the burglar alarm goes off, even if you're not at home at the time.



na
gica.com



Tapparella
Innoveze

UNA panoramica

BUS RS-485



TRAINING FOR **UNA INSTALLERS**



Master holds training and professional development programmes for architects and technicians. During the sessions we explain the functions and potential of the UNA Automation system so that you can integrate it into your projects right away.



Master develops all the components and software in the UNA Automation system in-house, and is available to give installers a hand. The fact that we do everything ourselves, here in Italy, allows us to offer assistance installing and customising UNA Automation systems.

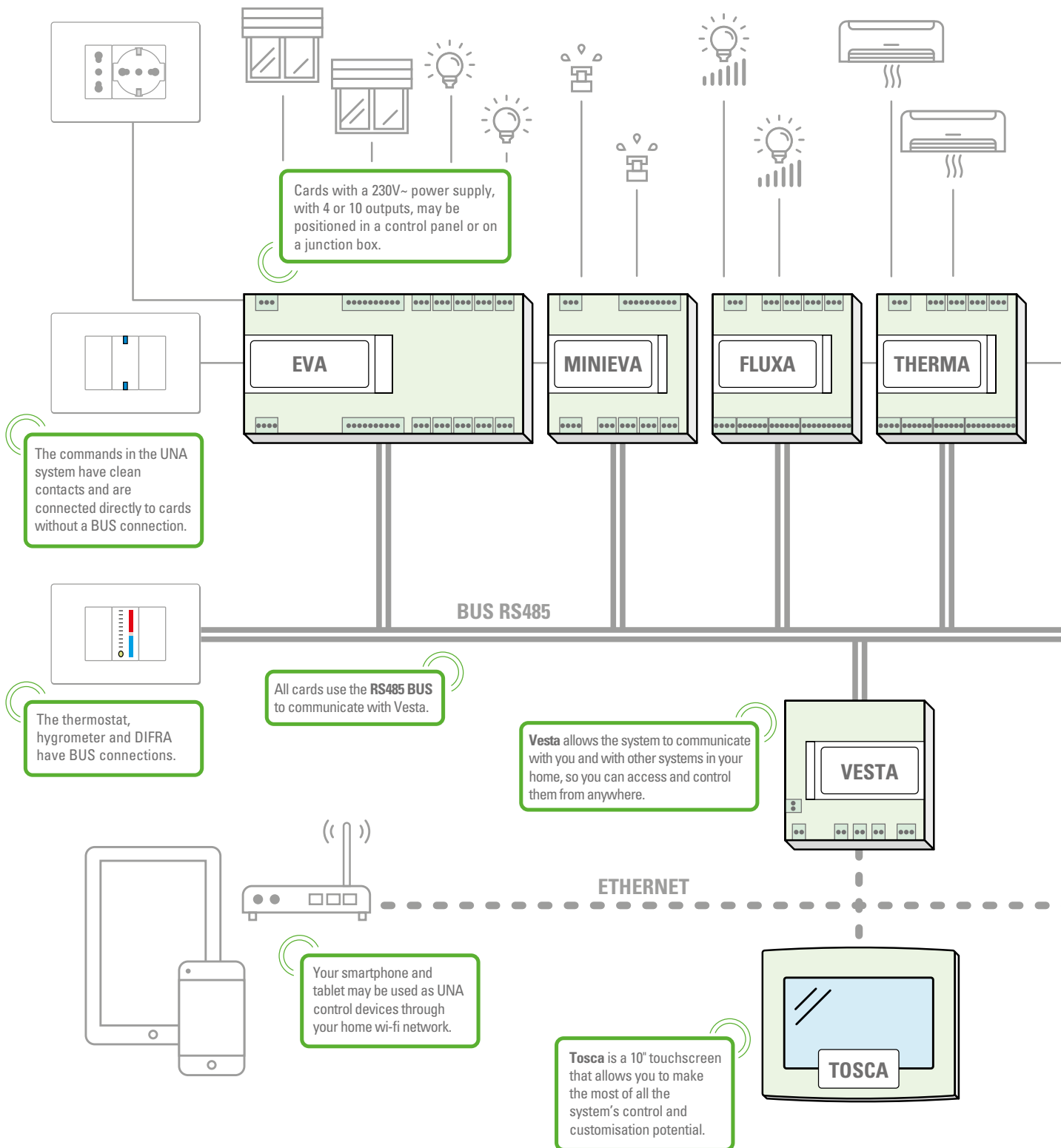


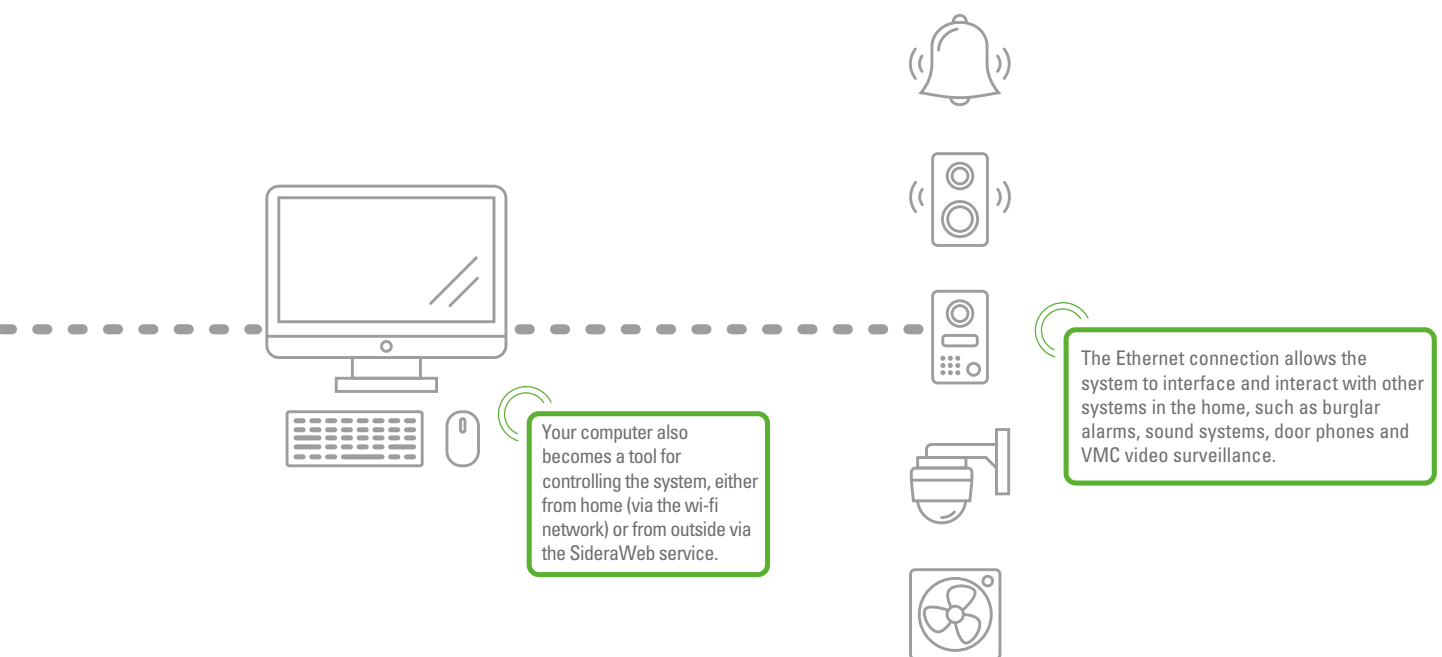
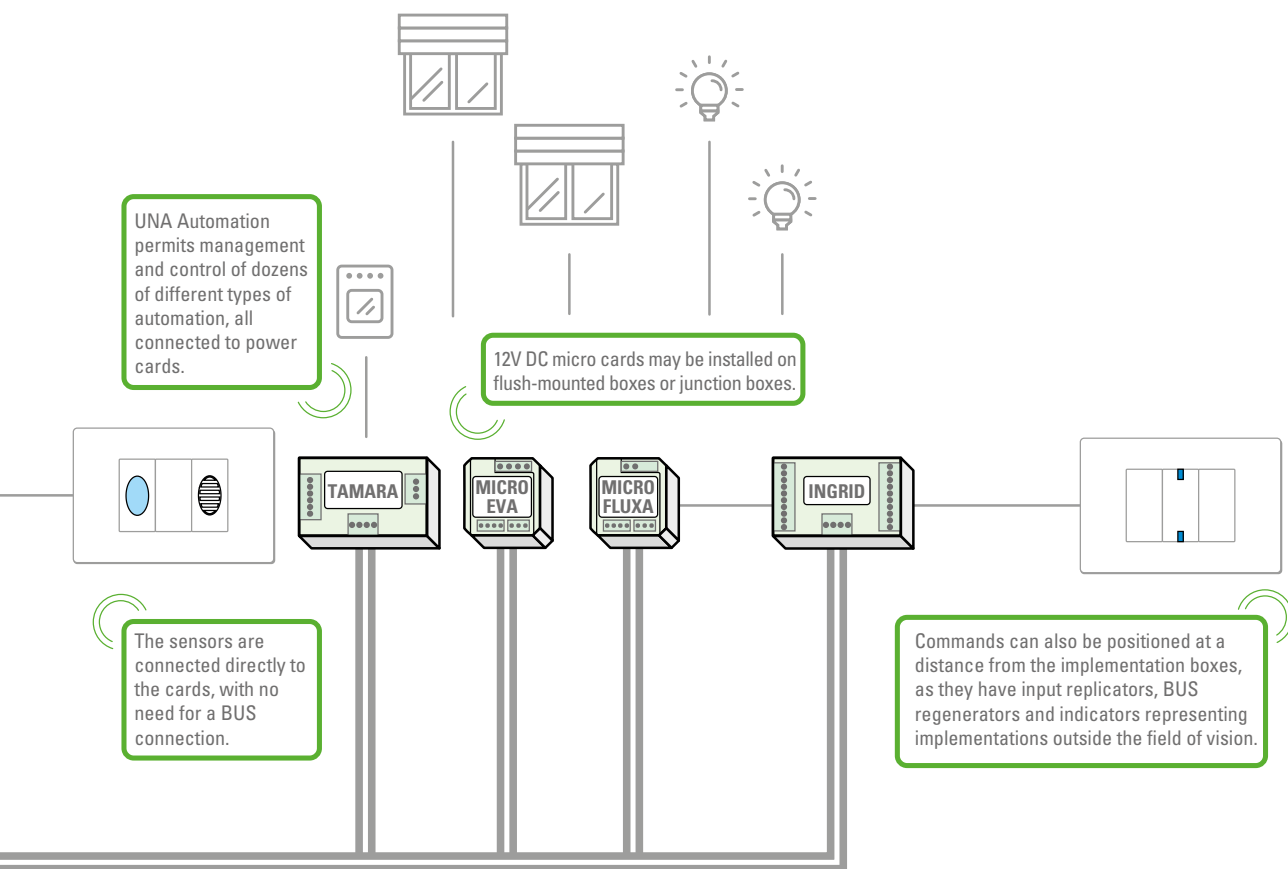
Master has representatives in every country where the UNA Automation system is sold, with its own offices and a well-established network of certified partners. This means technicians and architects can count on real-time assistance and consulting services whenever required.



SAMPLE DIAGRAM

ILLUSTRATING THE ARCHITECTURE OF A UNA SYSTEM





Sample diagram: refer to UNA Automation manuals for detailed wiring instructions.

CARDS AND COMPONENTS

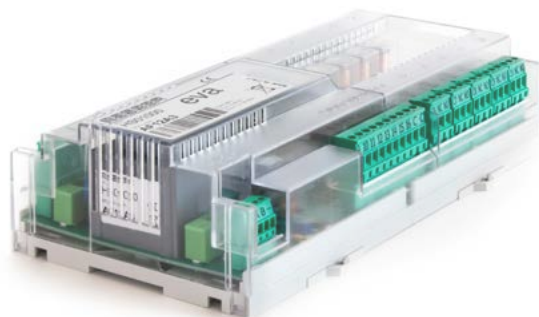
The vast range of Master cards includes multi-purpose and specific models, from large size in which the entire system is centralised in the control panel to micro-cards for positioning in junction boxes for open systems.

With the right combination of cards and solutions, the UNA Automation system can be adapted to suit any system perfectly.



EVA

MULTI-PURPOSE IN/OUT CARD



LIGHTS



AUTOMATIONS



TEMPERATURE



MEASUREMENT
LOADS



IRRIGATION



ASTRONOMICAL
CLOCK

FUNCTION

Eva manages lighting, blinds, electric pumps and solenoid valves (heating, irrigation), simple and electronic commands, presence detectors, twilight, wind and rain sensors, and customisable timer functions.

CONNECTIONS

Eva has 16 digital inputs, 10 relay outputs, a 230 V~ mains supply and an RS485 communications port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

Eva Power is a complete automation card with 16 5V digital inputs and 4 terminals for the system, 10 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for loads of up to 6 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. The card is set up for fastening with A DIN guide on a 13-module (Master type) control panel and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement. Eva is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of a black-out. It is supplied pre-programmed step-step on each output to check functioning. It is fitted with LED indicator lights for the power supply and for easily identifiable relay functioning and enabling. Eva can be set up as you wish, using the simplified software programming interface designed by Lapis.



INPUT



OUTPUT:



TERMINALS
EXTRACTABLE

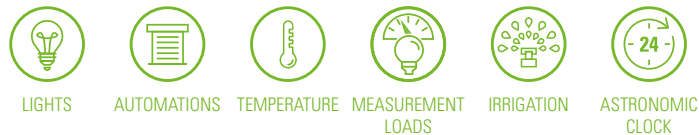
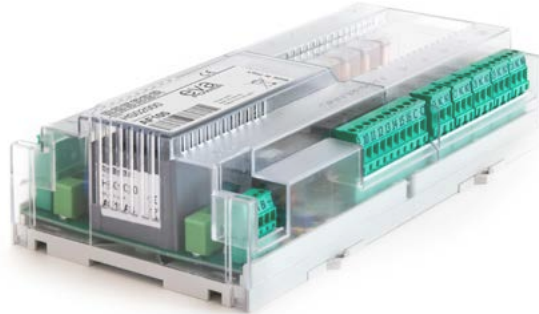
| | |
|----------------------------------|---------------------|
| Power supply | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-15W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 16 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 10 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 6 kVA |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | 13 |
| Dimensions (LxHxD max) | 224x115x58mm |

CODES

| | |
|--|--|
| HS01000 230V~ Eva (package of 1pc.) | HS01500 127V~ Eva (package of 1pc.) |
|--|--|

EVA POWER

MULTI-PURPOSE IN/OUT CARD



FUNCTIONING

Eva Power manages lighting, blinds, electric pumps and solenoid valves (heating, irrigation), simple and electronic commands, presence detectors, twilight, wind and rain sensors, customisable timer functions and measures the resulting loads.

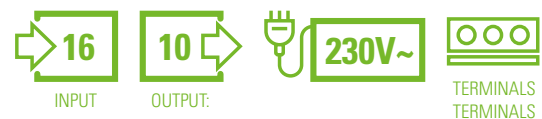
CONNECTIONS

Eva Power has 16 digital inputs, 10 relay outputs with independent measurement of absorbed power, a 230 V~ mains supply and a RS485 communications port for communication and programming using Lapis software.

TECHNICAL CHARACTERISTICS

Eva Power is a complete automation card with 16 5V DC digital inputs and 4 terminals for the system, 10 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for total loads of up to 6 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. Eva Power measures absorbed power in real time on each output (for loads over 1000 W). The card is set up for fastening with a DIN guide on a 13-module (Master type) control panel and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement.

Eva Power is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of black-out. It is supplied pre-programmed step-step on each output to check functioning. It is fitted with LED indicator lights for easily identifiable relay power supply, functioning and enabling. Eva can be set up as you wish, using the Lapis simplified software programming interface.



| | |
|----------------------------------|--------------------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-15W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 16 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 10 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 6 kVA |
| Pre-programmed functions | Latching controls |
| DIN bar connection (modules) | 13 |
| Dimensions (LxHxD max) | 224x115x58mm |

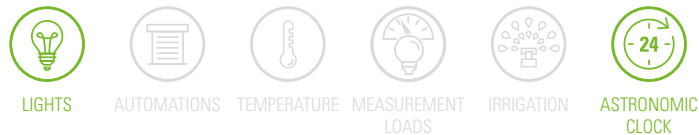
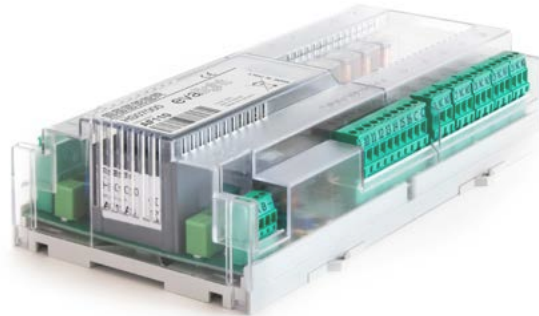
CODES

| | |
|---|--|
| HS02000 230V~ EvaPower (package of 1pc.) | HS02500 127V~ Eva Power (package of 1pc.) |
|---|--|

EVA LIGHT

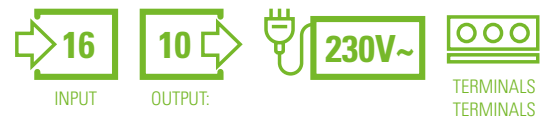
IN/OUT CARD

FOR LIGHT CONTROL



FUNCTION

Eva Light turns on lights divided into 10 independent groups, with general turn on and all off already preset, simple and electronic commands, presence detectors and twilight sensors.



CONNECTIONS

Eva has 16 digital inputs, 10 relay outputs, a 230 V~ mains supply and an RS485 communications port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

Eva Kit is a complete pre-programmed card used to manage light automation in 10 independent groups. It has 16 5V DC digital inputs and 4 terminals for the system, 10 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for total loads of up to 6 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. The card is set up for fastening with DIN guide on a 13-module (Master type) control panel and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement.

Eva Light is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of a black-out. Eva Light is supplied pre-programmed with latching controls on the first 10 inputs, all on and all off on inputs 15 and 16. It is equipped with LED indicator lights for easily identifiable relay power, functioning and enabling. Eva Light cards can be installed with no initial programming through Lapis.

| | |
|----------------------------------|---------------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-15W |
| Communication port | 1x Rs485 |
| Terminals | terminals |
| Digital inputs | 16 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 10 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 6 kVA |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | 13 |
| Dimensions (LxHxD max) | 224x115x58mm |

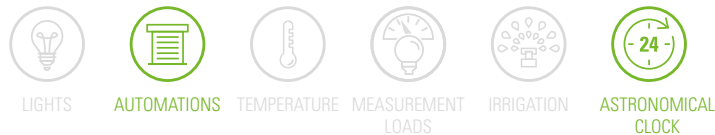
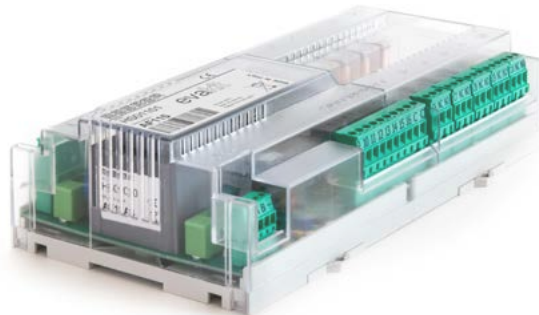
CODES

| | |
|---|---|
| HS07000 230V~ EvaLight (package of 1pc.) | HS07500 127V~ EvaLight (package of 1pc.) |
|---|---|

EVA KIT

IN/OUT CARD

FOR ROLLER BLIND CONTROL



FUNCTION

The Eva Roller Blind Kit controls curtains and roller blinds, divided into 5 independent groups, with 2 partial commands and 1 general opening and closing command already preset, simple and electronic commands, presence detectors and twilight, wind and rain sensors.

CONNECTIONS

The Eva Roller Blind Kit has 16 digital inputs, 10 relay outputs, a 230 V~ mains supply and an RS485 communications port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

The Eva Roller Blind Kit is a complete, pre-programmed card used to manage curtain and blind automation in 5 independent groups. It has 16 5V DC digital inputs and 4 terminals for the system, 10 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for total loads of up to 6 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. The card is set up for fastening with DIN guide on a 13-module (Master type) control panel and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement.

The Eva Roller Blind Kit is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of black-out. The Eva Roller Blind Kit is supplied pre-programmed with manual commands (up-down) on the first 10 inputs, 2 area up-down on inputs 11 to 14 and general opening and general closing on inputs 15 and 16. Each of the inputs from 1 to 10 has been pre-programmed to offer general opening and closing when pressed and held. Eva Kit cards can be installed with no initial programming through Lapis.



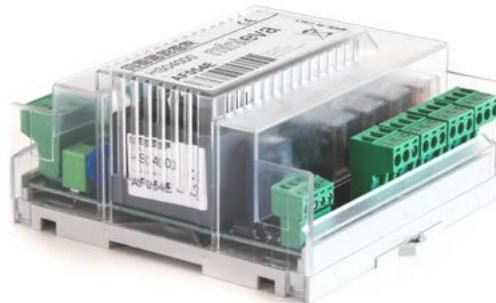
| | |
|----------------------------------|---------------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-15W |
| Communication port | 1x Rs485 |
| Terminals | terminals |
| Digital inputs | 16 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 10 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 6 kVA |
| Pre-programmed functions | Blind |
| DIN bar connection (modules) | 13 |
| Dimensions (LxHxD max) | 224x115x58mm |

CODE:

HS01101 EvaKit (package of 1pc.)

MINI EVA

MULTI-PURPOSE IN/OUT CARD



LIGHTS



AUTOMATIONS



TEMPERATURE



MEASUREMENT
LOADS



IRRIGATION



ASTRONOMIC
CLOCK

FUNCTION

MiniEva manages lighting, blinds, electric pumps and solenoid valves (heating, irrigation), simple and electronic commands, presence detectors, twilight, wind and rain sensors, and customisable timer functions.

CONNECTIONS

Eva has 8 digital inputs, 4 relay outputs, a 230 V~ mains supply and an RS485 port for communications and programming using Lapis software.

TECHNICAL CHARACTERISTICS

MiniEva is a complete automation card with 8 5V digital inputs and 2 terminals for the system, 4 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for loads of up to 3 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. The card is set up for fastening with DIN guide (Master type) control panel where it occupies 6.5 modules and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement.

MiniEva is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of black-out. It is supplied pre-programmed step-step on each output to check functioning. It is fitted with LED indicator lights for easily identifiable relay power supply, functioning and enabling. MiniEva can be set up as you wish, using the simplified software programming interface designed by Lapis.



INPUT



OUTPUT:



230V~



TERMINALS
TERMINALS

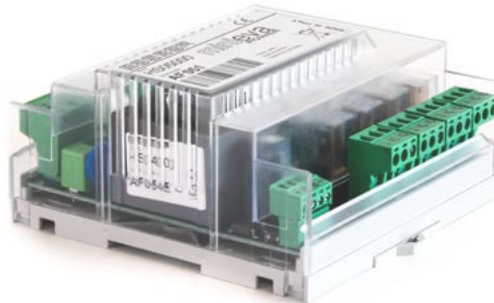
| | |
|----------------------------------|---------------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-7W |
| Communication port | 1x Rs485 |
| Terminals | terminals |
| Digital inputs | 8 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 4 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 3 kVA |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | 6.5 |
| Dimensions (LxHxD max) | 112x115x58mm |

CODE:

HS04000 MiniEva (package of 1pc.)

MINI EVA POWER

MULTI-PURPOSE IN/OUT CARD



LIGHTS



AUTOMATIONS



TEMPERATURE



MEASUREMENT
LOADS



IRRIGATION



ASTRONOMIC
CLOCK

FUNCTION

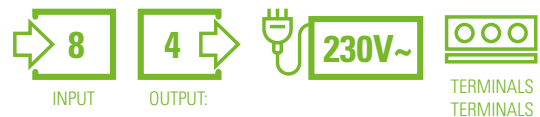
MiniEva Power manages lighting, blinds, electric pumps and solenoid valves (heating, irrigation), simple and electronic commands, presence detectors, twilight, wind and rain sensors, customisable timer functions and measures the resulting loads.

CONNECTIONS

MiniEva Power has 8 digital inputs, 4 relay outputs, a 230 V~ mains supply and an RS485 port for communications and programming using Lapis software.

TECHNICAL CHARACTERISTICS

MiniEva Power is a complete automation card with 8 5V digital inputs and 2 terminals for the system, 4 outputs with 230V~ 12A resistive relays and NO-NC double terminals (for total loads of up to 3 kVA), a 230V~ mains power supply and an RS-485 serial communication and programming port. MiniEva Power measures absorbed power in real time on each of the 4 outputs (for loads in excess of 100W). The card is set up for fastening with DIN guide (Master type) control panel where it occupies 6.5 modules and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement. MiniEva Power is equipped with an auxiliary power supply device that allows the built-in clock to run and settings to be maintained even in the event of black-out. It is supplied pre-programmed latched on each output to check functioning. It is fitted with LED indicator lights for easily identifiable relay power supply, functioning and enabling. MiniEva Power can be set up as you wish, using the simplified software programming interface designed by Lapis.



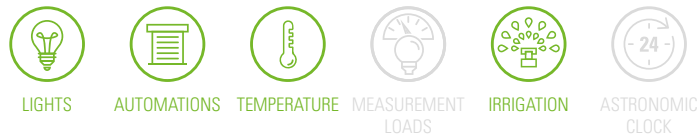
| | |
|----------------------------------|--------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-7W |
| Communication port | 1x Rs485 |
| Terminals | terminals |
| Digital inputs | 8 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 4 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | Yes |
| Maximum card power | 3 kW |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | 6.5 |
| Dimensions (LxHxD max) | 112x115x58mm |

CODE:

HS05000 MiniEva Power (package of 1pc.)

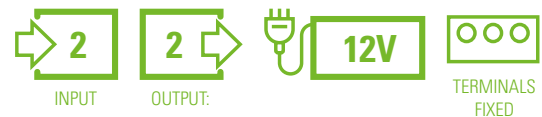
MICRO EVA

MULTI-PURPOSE IN/OUT CARD



FUNCTION

MicroEva manages lighting, blinds, electric pumps and solenoid valves (heating, irrigation), simple and electronic commands, presence detectors, twilight, wind and rain sensors, customisable timer functions and, if provided with a Vesta, astronomic timing.



CONNECTIONS

MicroEva has 2 digital inputs, 2 relay outputs, a 23 V DC power supply and an RS485 port for communications and programming using Lapis software.

TECHNICAL CHARACTERISTICS

MicroEva is a complete automation card with 2 5V digital inputs and 1 terminal for the system, 2 outputs with 230V~ 5A resistive relays and an NO terminal, a 12 V DC power supply and an RS-485 serial communication and programming port. The card is set up for installation in square or rectangular boxes for flush mounting with 3 or more unified modules, or junction boxes. All connections are made using printed terminals to facilitate wiring and replacement.

MicroEva is supplied pre-programmed with latching on each output to check functioning. It is fitted with LED indicator lights for power supply, functioning and easily-identifiable relay enabling.

MicroEva can be set up as you wish, using the simplified software programming interface designed by Lapis.

MicroEva also comes pre-programmed in the light kit and blind kit versions, where MicroEva Master manages centralisations and MicroEva Slave the single implementations.

| | |
|----------------------------------|------------------------|
| Power | 12-18V DC |
| Secondary power supply | - |
| Absorbed power (max) | 0.96W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 2 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 2 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | No |
| Maximum card power | 1.25 kVA |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 45x45x24mm |

CODE:

HS06000 MicroEva (package of 3pcs.)

MICRO EVA KIT

EXPANDABLE ROLLER BLIND CONTROL KIT



FUNCTION

Domologikit-Roller Blinds is a pre-programmed automation system for easy control of curtains and roller blinds. The basic kit controls raising and lowering of 2 curtains or roller blinds. Additional cards can be used for easy addition of further automation, benefiting from general opening and closing control over the entire system.

CONNECTIONS

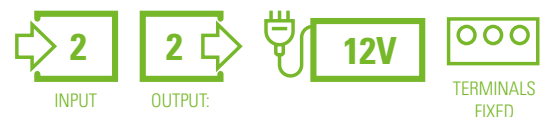
The MicroEva Master card has 2 digital inputs, a 12 V DC power supply and an RS485 port for communications and programming using Lapis software. MicroEva Slave cards have 2 digital inputs, 2 relay outputs (up/down), a 12V DC power supply and an RS-485 communication port.

TECHNICAL CHARACTERISTICS

All cards are prepared for mounting in square or rectangular boxes for 3 or more unified modules, or junction boxes. The power supply unit is set up for fastening with a DIN guide on a control panel, where it takes up 2 modules. All connections are made using printed terminals to facilitate wiring and replacement. MicroEva Slave cards have 2 outputs with 230V~ 5A resistive relays with NO terminals. Each relay can withstand a maximum current of 5A at 230V for resistive loads (1250VA), and a maximum of 150W for inductive loads.

MicroEva Master manages centralisation, while MicroEva Slaves manages single implementations. The basic kit permits control of 2 roller blinds (1 for each MicroEva Slave card), while another MicroEva Slave card must be added for each additional roller blind, up to a maximum total of 255 cards.

The power supply unit included can support a maximum of 22 MicroEva cards.



| | |
|----------------------------------|------------------------------|
| Power | 12-18V DC |
| Secondary power supply | - |
| MicroEva absorbed power (max) | 0.96W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 2 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 2 (Slave only) |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | No |
| Maximum card power | 1.25 kVA |
| Pre-programmed functions | Blind |
| DIN bar connection (modules) | 2 (power supply unit) |
| Dimensions (LxHxD max) | 45x45x24mm |

CODES

| | |
|--|---|
| HKITP600 Basic kit (1 MicroEva Master, 2 MicroEva Slave, 1 power supply unit) | HS06101 MicroEva Master (control) |
| | HS06102 MicroEva Slave (1 additional roller blind) |

MICRO EVA KIT

EXPANDABLE LIGHT CONTROL KIT



LIGHTS



AUTOMATIONS



TEMPERATURE



MEASUREMENT LOADS



IRRIGATION



ASTRONOMICAL CLOCK

FUNCTION

Domologikit-Lights is a pre-programmed automation system for easy control of all lighting management requirements. The basic kit can be used to turn 4 lights on and off.

Additional cards can be used for easy addition of more lights, benefiting from general on and off control over the entire system.

CONNECTIONS

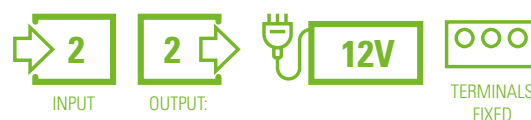
The MicroEva Master card has 2 digital inputs, a 12 V DC power supply and an RS485 port for communications and programming using Lapis software. MicroEva Slave cards have 2 digital inputs, 2 relay outputs, a 12V DC power supply and an RS-485 communication port.

TECHNICAL CHARACTERISTICS

All cards are prepared for mounting in square or rectangular boxes for 3 or more unified modules, or junction boxes. The power supply unit is set up for fastening with a DIN guide on a control panel, where it takes up 2 modules. All connections are made using printed terminals to facilitate wiring and replacement. MicroEva Slave cards have 2 outputs with 230V~ 5A resistive relays with an NO terminal. Each relay can withstand a maximum current of 5A at 230V AC for resistive loads (1250VA), and a maximum of 150W for inductive loads.

MicroEva Master manages centralisation, while MicroEva Slaves manages single implementations. The basic kit permits control of 4 lights (2 for each MicroEva Slave card), while another MicroEva Slave card must be added for every 2 additional lights, up to a maximum total of 255 cards (including Evalight, Fluxa and MicroFluxa).

The power supply unit included can support a maximum of 22 MicroEva cards.



| | |
|----------------------------------|------------------------------|
| Power | 12-18V DC |
| Secondary power supply | - |
| MicroEva absorbed power (max) | 0.96W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 2 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 2 (Slave only) |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | No |
| Maximum card power | 1.25 kVA |
| Pre-programmed functions | Latching |
| DIN bar connection (modules) | 2 (power supply unit) |
| Dimensions (LxHxD max) | 45x45x24mm |

CODES

| | |
|--|---|
| HKITP620 Basic kit (1 MicroEva Master, 2 MicroEva Slave, 1 power supply unit) | HS06201 MicroEva Master (control) |
| | HS06202 MicroEva Slave (2 additional lights) |

FLUXA

IN/OUT CARD

LIGHT DIMMER



FUNCTION

Fluxa allows regulation of the intensity of light bulbs managed with specific 0-10V transformers (e.g. dimmer/ballast for neon bulbs) through normal electro-mechanical buttons, lighting sensors or other devices connected to the UNA system.

CONNECTIONS

Fluxa has 8 digital inputs, 4 Master light sensor inputs, 4 relay outputs and 4 0-10V outputs to control dimmer/ballast devices, 230V~ mains power supply and RS485 communication port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

Fluxa is an advanced card used to manage and adjust fluorescent lights (with and without dimmers) divided into 4 channels. It can operate stand-alone or controlled via RS485 bus, using Vesta and Visus software. If serial connected to Eva Power or Tamara, it also allows you to measure loads in real time. The card is set up for fastening with DIN guide (Master type) control panel where it occupies 6.5 modules and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement. The 8 digital inputs can be programmed individually in latching mode with dimmers and timers. Alternatively, they can be programmed with multiple and/or general commands. The light sensor inputs allow you to adapt light intensity from the bulbs to the ambient lux in order to maintain constant lighting. Adjustment takes place by means of the 4 12A resistive relays (maximum total load 3 kW) that allow for turning on and off, and the four adjustment channels with 0-10V output, together. Fluxa is supplied pre-programmed with the "Ramp" function on the first four inputs, and can be set up as you wish using the simplified software programming interface designed by Lapis.



| | |
|----------------------------------|--------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-7W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 8 |
| Analogue inputs (probes/sensors) | 4 |
| Max outputs 250V~ 12A NO/NC | 4 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 4 |
| Astronomical clock | Yes |
| Maximum card power | 3 kVA |
| Pre-programmed functions | Ramp |
| DIN bar connection (modules) | 6.5 |
| Dimensions (LxHxD max) | 112x115x58mm |

CODES

| | |
|---|---|
| HL51000 230V~ Fluxa (package of 1pc.) | HL51500 127V~ Fluxa (package of 1pc.) |
|---|---|

THERMA

IN/OUT CARD

CLIMATE CONTROL



FUNCTION

Therma permits temperature control in the home using the appropriate 1 module thermostat or simple NTC analogue probes working solenoid valves and fan coils.

CONNECTIONS

Therma has 8 digital inputs, 4 Master analogue temperature sensor inputs, 4 relay outputs and 4 0-10V outputs for control, 230V~ mains power supply and RS485 communication port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

Therma is an advanced card used to manage and adjust the boiler, solenoid valves and fan coils in 4 separate areas. It can operate stand-alone or controlled via RS485 bus, using Vesta and Visus software. The card is set up for fastening with DIN guide (Master type) control panel where it occupies 6.5 modules and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement. The 8 digital inputs can be individually programmed differently in order to manage heating commands, solenoid valves, fan coils with complete or limited temperature control (e.g. functions $+1/3^\circ$ for hotels). Temperature sensor inputs allow for the measurement of the temperature in the individual areas of interest. Adjustment takes place by means of the 4 12A resistive relays (maximum total load 3 kVA) that allow for turning on and off, and the four adjustment channels with 0-10V output. The relays may be used to vary the speed (rate of flow) of fan coils requiring remote selection through contacts. Therma with NTC probes behaves like a 1 module thermostat on Visus, Tosca and Sidera. Therma is supplied pre-programmed with the "UNA heat regulation valve" function on the first four inputs, and can be set up as you wish using Lapis programming software.



| | |
|----------------------------------|-----------------------|
| Power | 230V~ |
| Secondary power supply | 12-18V DC |
| Absorbed power (min-max) | 2W-7W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 8 |
| Analogue inputs (probes/sensors) | 4 |
| Max outputs 250V~ 12A NO/NC | 4 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 4 |
| Astronomical clock | Yes |
| Maximum card power | 3 kVA |
| Pre-programmed functions | Heat regulation valve |
| DIN bar connection (modules) | 6.5 |
| Dimensions (LxHxD max) | 112x115x58mm |

CODES

| | |
|--|--|
| HL56000 230V~ Therma (package of 1pc.) | HL56500 127V~ Therma (package of 1pc.) |
|--|--|

MICRO FLUXA

IN/OUT CARD

LIGHT DIMMER



LIGHTS



AUTOMATIONS



TEMPERATURE



MEASUREMENT
LOADS



IRRIGATION



ASTRONOMICAL
CLOCK

FUNCTION

MicroFluxa allows regulation of the intensity of light bulbs managed with specific 0-10V power supply units (e.g. dimmer/ballast for neon bulbs) through normal electro-mechanical buttons, lighting sensors or other devices connected to the UNA system, and astronomical timing if Vesta is installed.

CONNECTIONS

MicroFluxa has 1 digital input, 1 relay output and a 0-10V output for controlling dimmer/ballast devices, a 12 V DC power supply and an RS485 communication port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

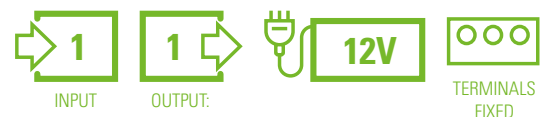
MicroFluxa is a card used to manage and adjust fluorescent lights on 1 channel. The relay can be connected with 230V~ utilities such as resistive or inductive light bulbs or low voltage utilities such as LED lights, etc.

It can operate stand-alone or controlled via RS485 bus, using Vesta and Visus software. The card is set up for installation in square, round (Ø 60 mm), or rectangular boxes consisting of 3 or more modules, or junction boxes. All connections are made using printed terminals to facilitate wiring and replacement.

MicroFluxa is supplied pre-programmed with the "Ramp" function; the relay is associated with the corresponding input. It is equipped with LED indicator lights for power supply, function and easily-identifiable relay enabling.

MicroEva can be set up as you wish, using the simplified software programming interface designed by Lapis.

MicroFluxa can also be used as an expansion of the MicroEva Light Kit.



| | |
|----------------------------------|------------------------|
| Power | 12-18V DC |
| Secondary power supply | - |
| Absorbed power (max) | 0.85W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 1 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 1 |
| Number of 0-10V analogue outputs | 1 |
| Astronomical clock | No |
| Maximum card power | 1.25 kVA |
| Pre-programmed functions | Ramp |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 45x45x24mm |

CODE:

HL61000 MicroFluxa (package of 3pcs.)

MICRO THERMA

IN/OUT CARD

CLIMATE CONTROL



FUNCTION

MicroFluxa permits management of temperature control in the home.

CONNECTIONS

MicroTherma has 1 digital input, 1 relay output and 1 0-10V output for controlling devices, a 12 V DC power supply and an RS485 communication port for programming using Lapis software.

TECHNICAL CHARACTERISTICS

MicroTherma is a card of management and control of heating and cooling with a single output. The relay can be connected with 230V~ utilities such as solenoid valves, heat convectors or low voltage utilities such as solenoid valves or relays.

It can operate stand-alone or controlled via RS485 bus, using Vesta and Visus software. The card is set up for installation in square, round (Ø 60 mm), or rectangular boxes consisting of 3 or more modules, or junction boxes. All connections are made using printed terminals to facilitate wiring and replacement.

MicroTherma is supplied pre-programmed with the "UNA heat regulation valve" function; the relay is associated with the corresponding input. It is equipped with LED indicator lights for easily identifiable relay power supply, functioning and enabling.

MicroTherma can be set up as you wish, using the simplified software programming interface designed by Lapis.



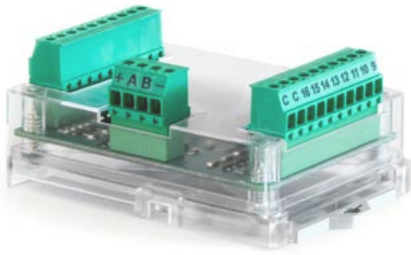
| | |
|----------------------------------|------------------------------|
| Power | 12-18V DC |
| Secondary power supply | - |
| Absorbed power (max) | 0.85W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 1 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 1 |
| Number of 0-10V analogue outputs | 1 |
| Astronomical clock | No |
| Maximum card power | 1.25 kVA |
| Pre-programmed functions | Heat regulation valve |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 45x45x24mm |

CODE:

HL66000 MicroTherma (package of 3pcs.)

INGRID

INPUT EXPANSION CARD

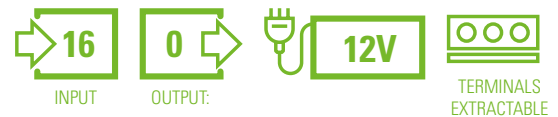


FUNCTION

Ingrid is an expansion card for structured systems. It reduces the cost and complexity of wiring, adding 16 digital inputs to the system acting on Vesta and other output cards in the families via RS-485 bus.

TECHNICAL CHARACTERISTICS

Ingrid has 16 digital puts similar to those on Eva cards, an RS-485 bus connection and a 12V DC power supply. Its small size is designed specifically to place it at the back of unified surface-mounted or flush-mounted boxes with 3 or more modules, push button panels, or fastening onto a control panel with a DIN guide, where it occupies 3 modules.



| | |
|------------------------------|--------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 0.7W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 16 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | 3 |
| Dimensions (LxHxD max) | 53x76x26mm |

CODE:

HL16000 Ingrid (package of 1pc.)

PRISCILLA

BACK-LIGHTING CARD

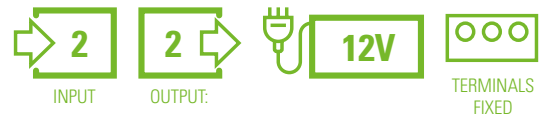


FUNCTION

Priscilla is an expansion card permitting addition of two digital inputs to the system with control of the intensity of 2 low power LED light lines, such as, for example, for backlighting of buttons depending on the status of a light which is outside of the user's field of vision.

TECHNICAL CHARACTERISTICS

Priscilla has 2 digital inputs (clean contact) for buttons/switches, 2 outputs for 12V DC backlight LEDs (max 60mA per output with PWM dimming on negative), a RS-485 bus connection and a 12V DC power supply. The card is prepared for mounting in square, round (Ø 60 mm), or rectangular boxes consisting of 3 or more modules, or junction boxes.



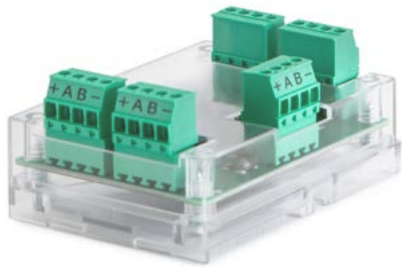
| | |
|------------------------------|------------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 0.48W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 2 |
| Max outputs 12V DC 60 mA | 1 |
| Astronomical clock | No |
| Pre-programmed functions | Lighting=input |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 45x45x24mm |

CODE:

HL21600 Priscilla (package of 3pcs.)

URSULA

HUB BUS

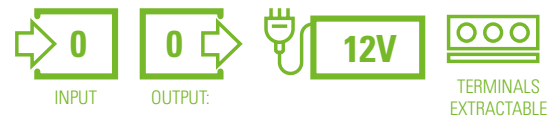


FUNCTION

Ursula is a regenerator card for the Rs485 bus

TECHNICAL CHARACTERISTICS

Bus regenerator hub with 5 Rs485 bus ports for use in large-scale systems, recommended to provide bus cover of large distances or simply to disconnect the bus (up to 4 zones). 12-18V DC power supply
Its compact design is specifically devised to permit positioning on the base of unified 3 or more module built-in boxes or on the base of a control panel with a DIN guide, where it occupies 3 modules.



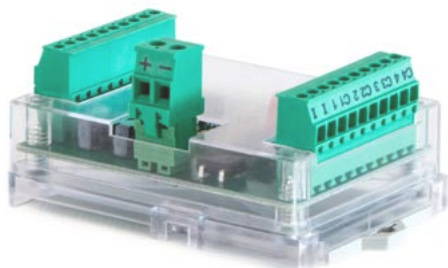
| | |
|------------------------------|--------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 4.2W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | 3 |
| Dimensions (LxHxD max) | 53x76x26mm |

CODE:

HA02000 Ursula (package of 1pc.)

DORA

INPUT DUPLICATOR

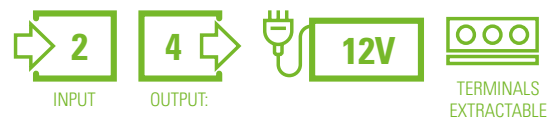


FUNCTION

Dora is an optoisolated input duplication card.

TECHNICAL CHARACTERISTICS

Dora is an optoisolated command interface (2 interfaces with 1 input replicated on 4 outputs), 12V DC power supply to create small turn off/close all scenarios involving a maximum of 4 cards without the use of Vesta. Its compact design is specifically devised to permit positioning on the base of unified 3 or more module built-in boxes or on the base of a control panel with a DIN guide, where it occupies 3 modules.



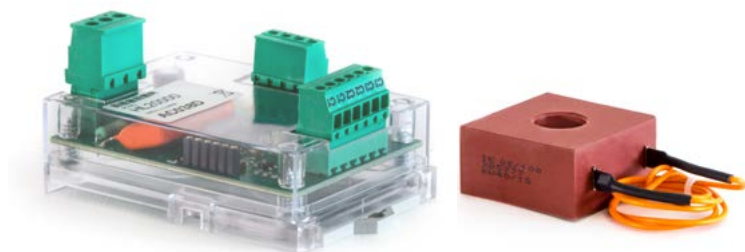
| | |
|------------------------------|--------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 1.2W |
| Communication port | - |
| Terminals | Extractable |
| Digital inputs | 2 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | 3 |
| Dimensions (LxHxD max) | 53x76x26mm |

CODE:

HA03000 Dora (package of 1pc.)

TAMARA

CONSUMPTION METER CARD WITH TA



FUNCTION

Tamara is a card for reading consumption of electrical current

TECHNICAL CHARACTERISTICS

Tamara is a card for connection of TA to assess consumption of up to 3 single-phase lines (max 63A per line). The goal of this assessment is management of load detachment, and it requires Vesta installed in the system. It operates independently of EvaPower. It has a 12V DC power supply and is equipped with a RS-485 communication bus port. Its compact design is specifically devised to permit positioning on the base of unified 3 or more module built-in boxes or on the base of a control panel with a DIN guide, where it occupies 3 modules.

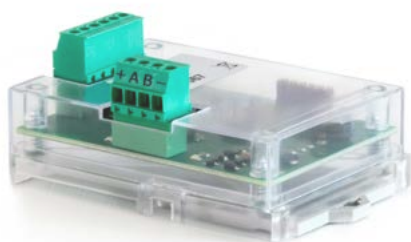
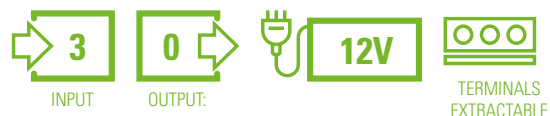
| | |
|------------------------------|------------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 0.36W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Analogue inputs | 3 |
| Astronomical clock | No |
| Pre-programmed functions | Current reading |
| DIN bar connection (modules) | 3 |
| Dimensions (LxHxD max) | 53x76x26mm |

CODES

| | |
|----------------------------------|--------------------------------|
| HL20000 | HL20100 |
| Tamara card (package of 1pc.) | TA device (package of 1pc.) |

AGATA

WATER/GAS CONSUMPTION METER



FUNCTION

Agata is a card for reading water, gas or other utility consumption through meters with impulsive output.

TECHNICAL CHARACTERISTICS

Agata is a card for connection of meters and measuring devices with a clean contact interface (no voltage), for a maximum of 3 different devices. It has a 12V DC power supply and is equipped with a RS-485 communication bus port. It requires Vesta installed in the system. Its compact design is specifically devised to permit positioning on the base of unified 3 or more module built-in boxes or on the base of a control panel with a DIN guide, where it occupies 3 modules.

| | |
|------------------------------|----------------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 0.74W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 3 |
| Astronomical clock | No |
| Pre-programmed functions | Reading consumption |
| DIN bar connection (modules) | 3 |
| Dimensions (LxHxD max) | 53x76x26mm |

CODE:

HL21000 Agata (package of 1pc.)

IRIS

IR TRANSMITTER



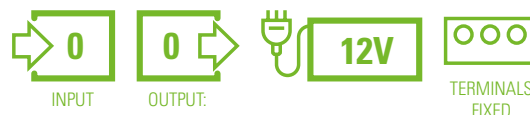
FUNCTION

Iris is an infrared transmitter for management of devices using IR commands.

TECHNICAL CHARACTERISTICS

Iris may be used to control the majority of utilities employing infrared remote controls (TVs, climate control units, etc.). It has a 12V DC power supply and is equipped with an RS-485 communication bus port. The card is set up for installation in square, round (Ø 60 mm), or rectangular boxes consisting of 3 or more modules, or junction boxes. The package includes an Iris card and an IR transmitter (3 m cable).

Requires Vesta installed in the system.



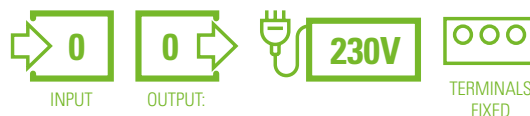
| | |
|------------------------------|------------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 3W |
| Communication port | 1x Rs485 |
| Terminals | Non-extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 45x45x24mm |

CODES

| | |
|--|---|
| HA11000 Iris card with IR transmitter (package of 1 pc.) | HA11500 Replacement IR transmitter with 3 m cable |
|--|---|

POWER SUPPLY UNITS

12V DC



FUNCTION

Used to supply all UNA Automation 12V DC cards and devices.

TECHNICAL CHARACTERISTICS

Modular switching 12V DC power supply units, 4A max (HA06000) and 1.9A max (HA06001), for installation on DIN EN 55022 guide, power supply 100-240V~. May be used for: Vesta, Tosca, MicroEva, Ingrid, Tamara, Agata, Dora, Ursula, and all accessories for civil series requiring a 12V DC power supply (not suitable for the Difra power supply unit).

IP20 protection (for indoor use only). See each device manual for system dimensioning.

| | HA06000 | HA06001 |
|------------------------------|------------------------|------------------------|
| Power | 100-240V DC | 100-240V DC |
| Dissipated power | 5.2W | 10W |
| Output current | 4A | 1.9A |
| Terminals | Non-extractable | Non-extractable |
| DIN bar connection (modules) | 4 | 2 |
| Dimensions (LxHxD) | 70x90x66mm | 36x90x66mm |

CODES

| | |
|--|--|
| HA06000 12V DC 4A power supply unit (package of 1 pc.) | HA06001 12V DC 1.9A power supply unit (package of 1 pc.) |
|--|--|

MANAGEMENT AND CONTROL

The Vesta card, the true heart of the advanced system, and the Tosca touchscreen permit complete control of the UNA Automation system inside and outside the building.



TOSCA 2

10" TOUCHSCREEN



FUNCTION

Tosca 2 is your touchscreen assistant to truly live the UNA Automation experience. Using the Visus software, it can provide you with complete management and control of your home, in real time.

CONNECTIONS

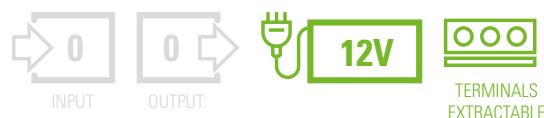
Tosca 2 has a Gigabit Ethernet RJ45 10/100/1000 Mbps connection and a 12V DC mains power supply.

TECHNICAL CHARACTERISTICS

Tosca 2 is a personal computer based on Intel® architecture, equipped with a 10" touchscreen monitor. Tosca has pre-installed Visus system management software.

Once Tosca 2 is connected to the same data network as Vesta (through the Ethernet port), Visus imports the whole system project from Vesta, allowing for the navigation, interaction and the control of the whole system from a single point. All this with no need for the installer to install or configure software.

Tosca 2 updates in real time when home devices are enabled or disabled by other command points. It is equipped with additional applications that allow for control of stand-by and energy saving, and for its use as a digital picture frame to display your favourite photographs and images. Tosca 2 is installed on a specific metal built-in box to allow for perfect fastening to the wall. It can be completed with a wide range of plaques to match the colours of the civil Master series.



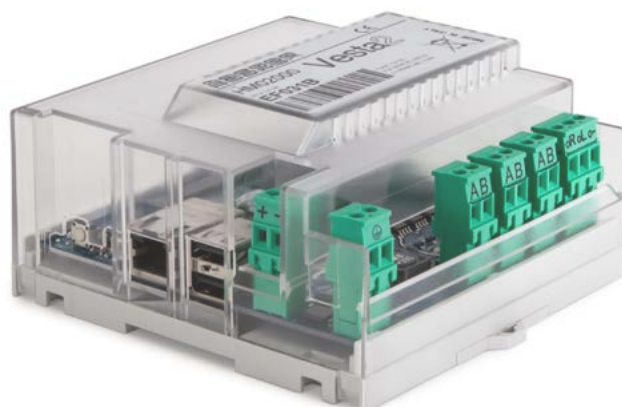
| | |
|----------------------------------|---------------------|
| Power | 12V DC |
| Secondary power supply | - |
| Absorbed power (max) | 21W |
| Communication port | 1x Ethernet |
| Terminals | Extractable |
| Digital inputs | 0 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | No |
| Maximum card power | - |
| Pre-programmed functions | - |
| DIN bar connection (modules) | No |
| Box dimensions (LxHxD max) | 286x197x70mm |
| Plate dimensions (LxH max) | 331x260mm |

CODES

| | |
|--|--|
| HT02000 Tosca 2 (package of 1pc.) | HTS1000 Metal flush mounting box for Tosca 2 (package of 1pc.) |
|--|--|

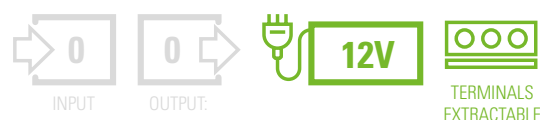
VESTA 2

SYSTEM MANAGEMENT CARD



FUNCTION

Vesta allows you to control and coordinate the other system cards connected. The Ethernet connection makes all system data available for any device that can connect up to the Internet.



CONNECTIONS

Vesta 2 has two USB 2.0 ports, one Ethernet 10/100 Mbps port, a 12V DC power supply, an earthing terminal, 3 RS-485 bus channels and one pre-amplified stereo audio output.

TECHNICAL CHARACTERISTICS

Vesta 2 is an extremely high performing, low energy consumption micro-computer with high mass memory and calculation power. It connects via RS485 bus to the UNA system cards comprising the home automation system and to a home network using an Ethernet cable. It uses routers or wireless access points in the home system and permits control of connected cards through Sidera Home, a web interface that can be customised with system maps and controls. The interface may be used with any browser from any browser and is fully compatible with laptop computers, palmtops, desktops, Smartphones, iPhones and other such devices. If connected to an Eva Power, MiniEva Power or Tamara card, Vesta 2 keeps a record of use and consumption of lines/utilities in its internal memory and permits export for filing. Vesta 2 also permits definition and execution of operating scenarios. The Lapis software also allows you to programme the implementation of scenarios involving several cards connected up to a single system. The card is set up for fastening on a control panel with a 12-module DIN guide (6.5 modules for the card and remaining space for the lateral connections) and, thanks to the optional side rings, can be screwed onto junction boxes or plasterboard walls. All connections are made using extractable printed terminal blocks to facilitate wiring and replacement. Finally, Vesta 2 can use a home Internet connection to enable system access through Sidera, the UNA on-line service. This gives you complete control over your home from any Internet access point the world over, any time, night or day.

| | |
|----------------------------------|--|
| Power | 12-18V DC |
| Secondary power supply | - |
| Absorbed power (max) | 6W |
| Communication port | 1x Rs485 1x Ethernet 2x USB 2.0 |
| Terminals | Extractable |
| Digital inputs | 0 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Astronomical clock | No |
| Maximum card power | - |
| Pre-programmed functions | - |
| DIN bar connection (modules) | 6.5 |
| Dimensions (LxHxD max) | 112x115x58mm |

CODE:

HM02000 Vesta 2 (package of 1pc.)



UNA
SIDERAHOME

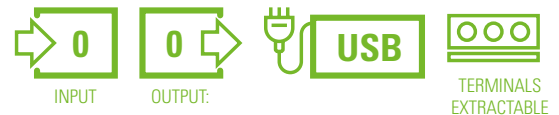


UNA
SIDERAWEB



CLAVIS-DMX

DMX ADAPTER



| | |
|------------------------------|-------------------------|
| Power | USB (5V DC) |
| Absorbed power (max) | 0.5W |
| Communication port | USB |
| Terminals | RJ11 extractable |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 22x19x65mm |

FUNCTION

Clavis DMX is a USB to DMX interface converter usable only on the Vesta card.

TECHNICAL CHARACTERISTICS

Clavis DMX is designed to control light fixtures that work with the DMX protocol (such as dimmable RGB LED lights). The DMX Controller can be implemented in a UNA project working with Vesta 2 and Lapis version 5.0.0 or later.

Clavis DMX will not work if it is installed on the USB port of any other electronic device.

CODE:

HA01100 ClavisDMX (package of 1pc.)

CIVIL SERIES COMPONENTS

Advanced controls and accessories that integrate perfectly with the product lines in the Master civil series for unrivalled elegance and refinement.



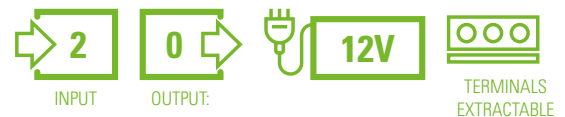
ELECTRONIC BUTTONS

FOR MASTER CIVIL SERIES



FUNCTION

Dual electronic button (max 24V DC, 10 mA) with low noise and optional blue backlight for the Master Modo, Modo Steel and Mix civil series.



CONNECTIONS

UNA home automation buttons have 2 extractable terminals, each with one clean contact for inputs and a power supply for the blue backlight LED. May be connected independently and used as single buttons (1 terminal) or double buttons (2 terminals).

TECHNICAL CHARACTERISTICS

UNA double buttons are used and wired like normal electro-mechanical buttons and used as digital inputs on all UNA cards permitting them. Terminals are all removable and printed for easy wiring and replacement.

| | |
|----------------------------------|--------------------|
| LED power supply | 12-18V DC |
| Secondary power supply | - |
| Absorbed power (max) | 2mA |
| Communication port | - |
| Terminals | Extractable |
| Digital inputs | 2 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 12A NO/NC | 0 |
| Max outputs 250V~ 5A NO | 0 |
| Number of 0-10V analogue outputs | 0 |
| Maximum power | - |
| Pre-programmed functions | - |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 22x45x38mm |

CODES

| | | | | | |
|-------------------|-----------------|----------------|------------------|----------------|----------------|
| | | | | | |
| | Neutral command | Up/down. | General shutters | Temperature | General ON/OFF |
| MODO grey series | HA10010 | HA10020 | HA10030 | HA10040 | HA10050 |
| MODO STEEL series | HA10011 | HA10021 | HA10031 | HA10041 | HA10051 |
| MODO white series | HA10012 | HA10022 | HA10032 | HA10042 | HA10052 |
| MIX series | HA10013 | HA10023 | HA10033 | HA10043 | HA10053 |

THERMOSTAT

1 MODULE

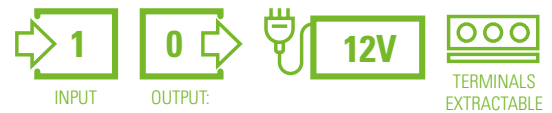


FUNCTION

Thermostat for zone heat regulation management with 1 module for the Modo, Modo Steel and Mix Master civil series.

TECHNICAL CHARACTERISTICS

The UNA home automation thermostat displays the zone temperature, sets the summer/winter function and sets the 4 operating modes (thermostat timer, minimum and maximum temperature, off). It has a 12V DC power supply and is equipped with a RS-485 communication bus port. The terminal is printed and extractable for easy wiring. It requires Vesta installed in the system.



| | |
|------------------------------|--------------------|
| Power | 12-18V DC |
| Absorbed power (min-max) | 0.4W |
| Communication port | 1x Rs485 |
| Terminal | Extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | - |
| Dimensions (LxHxD max) | 22x45x38mm |

CODES

| | |
|----------------|---------------------------|
| HA10410 | MODO dark grey thermostat |
| HA10411 | MODO STEEL thermostat |
| HA10412 | MODO white thermostat |
| HA10413 | MIX thermostat |

HYGROMETER

HUMIDITY SENSOR WITH 1 MODULE

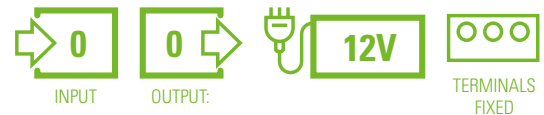


FUNCTION

Hygrometer for measurement of humidity levels, with 1 module for the Master Modo, Modo Steel and Mix civil series.

TECHNICAL CHARACTERISTICS

The humidity sensor is a device that lets you measure and implement control of humidity in the room. It has a 12V DC power supply and is equipped with an RS-485 communication bus port. The terminal is printed and extractable for easy wiring. It requires Vesta installed in the system.



| | |
|------------------------------|------------------------|
| Power | 12-18V DC |
| Absorbed power (max) | 0.2W |
| Communication port | 1x Rs485 |
| Terminal | Non-extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | - |
| Dimensions (LxHxD max) | 22x45x52mm |

CODES

| | |
|----------------|---------------------------|
| HA10710 | MODO dark grey hygrometer |
| HA10711 | MODO STEEL hygrometer |
| HA10712 | MODO white hygrometer |
| HA10713 | MIX hygrometer |

LIGHT MEASUREMENT PROBE

1 MODULE



FUNCTION

Light measurement sensor for automatic dimming, with 1 module for the Master Modo, Modo Steel and Mix civil series.

TECHNICAL CHARACTERISTICS

The light measurement sensor is a Fluxa accessory permitting measurement of light levels in the room in order to dim light or create scenarios. It should be connected to the appropriate terminal on the Fluxa card, up to a maximum of 4 probes per card (one per input). It requires Vesta installed in the system.

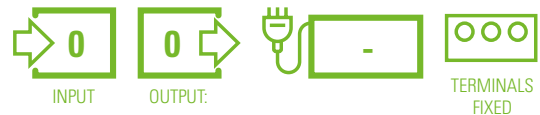
| | |
|------------------------------|------------------------|
| Power | - |
| Absorbed power (max) | - |
| Communication port | - |
| Terminal | Non-extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | - |
| Dimensions (LxHxD max) | 22x45x52mm |

CODES:

| | |
|----------------|-----------------------|
| HA10530 | MODO dark grey sensor |
| HA10531 | MODO STEEL sensor |
| HA10532 | MODO white sensor |
| HA10533 | MIX sensor |

NTC PROBE

TEMPERATURE SENSOR



FUNCTION

NTC probe for temperature measurement, with 1 module for the Master Modo, Modo Steel and Mix civil series.

TECHNICAL CHARACTERISTICS

The temperature probe is a Therma accessory permitting measurement of room temperature. It should be connected to the appropriate terminal on the Therma card, up to a maximum of 4 probes per card (one per input). It requires Therma installed in the system.

| | |
|------------------------------|------------------------|
| Power | - |
| Absorbed power (min-max) | - |
| Communication port | - |
| Terminal | Non-extractable |
| Digital inputs | 0 |
| Astronomical clock | No |
| Pre-programmed functions | - |
| DIN bar connection (modules) | - |
| Dimensions (LxHxD max) | 22x45x52mm |

CODES:

| | |
|----------------|--------------------------|
| HA10630 | NTC MODO dark grey probe |
| HA10631 | NTC MODO Steel probe |
| HA10632 | NTC MODO white probe |
| HA10633 | NTC MIX probe |

DIFRA

ACCESS CONTROL

FOR MASTER CIVIL SERIES



FUNCTION

Difra allows you to restrict access in a residential, hotel or office environment through cards equipped with RFID devices, supplying differentiated signals to the outside. Difra has two relay outputs designed to command and electrically lock and a courtesy light, where applicable.

CONNECTIONS

Difra has 3 digital inputs, an RFID reading aerial, a 12V relay for electrical locks, a 230V relay for courtesy lights, an RS485 bus connection and a 12V AC power supply (not to be connected to UNA 12V DC power supply units).

TECHNICAL CHARACTERISTICS

Difra is a proximity RFID reader available in the various finishes of the Master Modo, Steel and Mix civil series. For built-in installation, it requires a 3-module support. Alternatively it can be installed on a 4-module Master table box. Difra features the dual option of operating both in stand-alone mode and in bus mode. When operating in stand-alone mode, Difra is matched to the code of fan RFID, named MASTER. This associates or removes other RFID cards to and from the device. In bus mode, the association and removal of RFID cards to and from each device can be managed dynamically. This allows for a change in real time in terms of people with authorized access, and limits timetables for this, where required.

If a card fitted with RFID is brought close to Difra, you have a signal of correct or incorrect card. In the first case, correct recognition enables the device relays, for example opening an electrical lock and turning on a courtesy light. The other inputs allow you to configure the 'presence in room' signal and the 'do not disturb' signal, which can be enabled by the guest using a specific command.

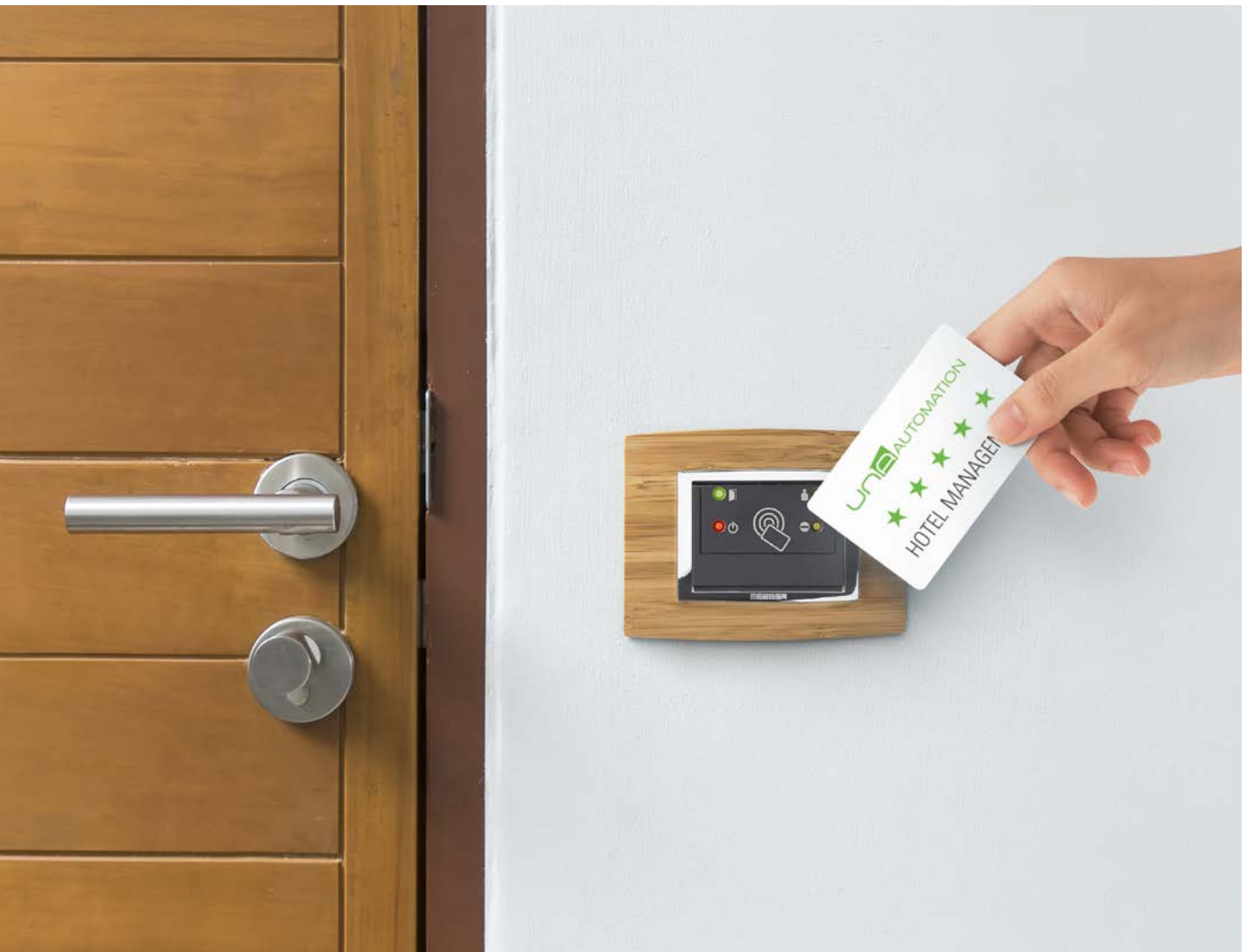
Difra is always supplied with a white RFID badge card.



| | |
|----------------------------------|-------------|
| Power | 12V~ |
| Secondary power supply | - |
| Absorbed power (min-max) | 0.5 – 2W |
| Communication port | 1x Rs485 |
| Terminals | Extractable |
| Digital inputs | 3 |
| Analogue inputs (probes/sensors) | 0 |
| Max outputs 250V~ 5A NO | 1 |
| Max outputs 12V~ 8A NO | 1 |
| Number of 0-10V analogue outputs | 0 |
| Pre-programmed functions | -- |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 70x45x54mm |

CODES:

| | |
|---------|--------------------------------|
| HA02010 | MODO dark grey Difra |
| HA02011 | MODO Steel Difra |
| HA02012 | MODO white Difra |
| HA02013 | MIX Difra |
| HA02021 | Additional neutral RFID badge. |



HA02010



HA02011



HA02012



HA02013



HA02021 (optional printing)

TOOLS

An essential tool set for complete control of the UNA Automation system.

LAPIS multi-platform software may be used to set up the system and connected cards, while the Clavis converter permits direct programming and updating of individual cards, where applicable. Total control, in just a few simple steps.



LAPIS

SET-UP SOFTWARE



FUNCTION

Lapis is the tool allowing the installer to configure and set up the UNA system simply and efficiently. It also allows him to intervene quickly where assistance is required.

TECHNICAL CHARACTERISTICS

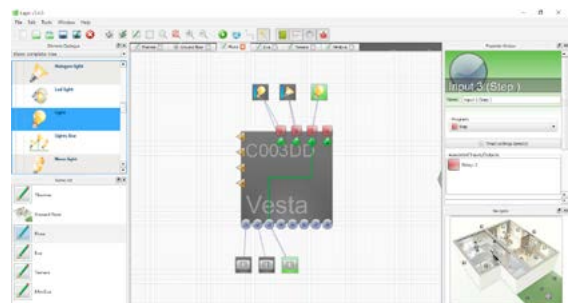
Lapis software is used to programme UNA system components. It uses a simple, intuitive interface designed to facilitate self-teaching. Lapis is multi-platform and multi-lingual: a single DVD contains the installation software for Windows® XP, Vista, 7, 8.1 and 10, Mac OS X® and the major Linux distributions.

Lapis connects to individual Eva cards using the USB-RS485 Clavis adaptor, or to the Vesta card via the Ethernet network. It can simultaneously programme all system components. The self-configuration functions allow the designer to deal merely with the definition of the system, leaving Lapis to carry out all technical checks and more complex programming.

Lapis automatically updates over the Internet, notifying the user of new features when it starts up and making sure you have the latest release at all times and all UNA system components are updated. Finally, Lapis allows you to save and recover your Vesta project and allows the designer to make a protected project back-up on the Sidera web service to guarantee data security over the years.

CODE:

HW10700 Lapis on USB pendrive (package of 1 pz.)



CLAVIS

USB-RS485 ADAPTER



FUNCTION

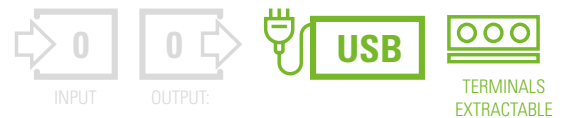
Clavis allows Lapis software to communicate with all cards in the UNA system fitted with RS-485 bus ports.

CONNECTIONS

Clavis has a male USB 2.0 connector and an RS485 bus connection on an RJ11 telephone type socket.

TECHNICAL CHARACTERISTICS

Clavis is a miniature USB to RS-485 bus signal converter compatible with the Windows®, MacOS® and Linux® systems. Clavis installs automatically on Windows® Vista, 7, 8.1 and 10, whilst the drivers for other operating systems can be installed from the Lapis USB key.



| | |
|------------------------------|-------------------------|
| Power | USB (5V DC) |
| Absorbed power (min-max) | 0.5W |
| Communication port | USB |
| Terminals | RJ11 extractable |
| DIN bar connection (modules) | No |
| Dimensions (LxHxD max) | 22x19x65mm |

CODE:

HA01000 Clavis with cable (package of 1 pc.)

UNA AUTOMATION

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