



ELECTRICAL INSTALLATIONS

like you've never seen them...



We all use them!

We are surrounded by electrical installations every step we take in today's world. We can no longer imagine life without them. Lights are turned on with the touch of a switch, we plug our appliances into electrical sockets, and our televisions are always ready to be turned on.

Did you know that even common electrical installations can be upgraded to the latest system on the market? A system that will greatly increase your comfort, ensure your safety, and ultimately cut a considerable amount from your electricity bill? If not, this publication was made for you. It introduces you to many of the possibilities that intelligent electrical installations can provide. You are guaranteed to find a solution that will fit your house, flat, or even place of business. And within your budget as well!

A simple questionnaire is located on the second-to-last page for those of you we manage to interest in the following pages. There you can easily and quickly fill out your requirements and send it to us free of charge in the attached envelope provided. We will provide you with a price quote and recommend the best way to fulfill your request absolutely free.

We are here for you!

Comprehensive solutions from one supplier!

Are you looking for a comprehensive solution as well as the delivery of electrical components from just one manufacturer? Then you've come to the right place.

We are a purely Czech company that has been engaged in this industry since 1993. We occupy a dominant position within the Czech market in the field of intelligent automation systems and we are in the forefront by European standards as well.

We are engaged in the newest trends and we are following technology developments throughout the world. In this spirit we are constantly working to develop new products and on innovating our existing ones. The products we offer go through a comprehensive process from design and development to production

and through a network of experienced partners - all the way to you. We provide technical support for all our products and you have the opportunity to see and try out most of them at our showrooms and our partners' showrooms throughout the whole of the Czech Republic.

Our products are exported to more than 60 countries, including to our subsidiaries in Slovakia, Poland, Hungary, Russia, Romania, Ukraine, and the USA.

Are you curious as to where we stand in comparison to the competition? Our comprehensive solutions, wide range of functions, easy and comfortable controls and reasonable price will certainly appeal to you.



What was it like in the past?

We've known the light bulb for more than a hundred years - ever since it was invented by Thomas Edison back in 1880. And its basic principles are still used today.

Thanks to this revolutionary invention, first factories were lit up and then the homes of our ancestors. Nobody at that time had yet to figure out how to effectively control the light bulb.

At the turn of the 19th century the first electrical outlets were also installed, and they were used for plugging in radio receivers

That was in 1907.



What is it like today?

Not a lot has changed over the past hundred years since the old days. Though the classic incandescent light bulbs are being replaced by energy-saving fluorescent bulbs, they are still in use today. And though switches have changed design over the years, surprisingly, history is repeating itself in the form of retro rotary switches.

Electricity has been stabilized and its supply has been improved. We take it for granted now and we can't imagine life without it.



Aside from the classic switch, we now routinely use staircase switches, intermediate switches, and buttons.

We now have double electrical sockets, and if we want more, we know how to do it. Fuses in fuse boxes are gradually being replaced by circuit breakers.

The dimmer switch-rheostat, which used to be hot and tended to buzz, has been around since the early days of electrical installations. Light bulbs have been complemented by halogen and low-voltage lamps. Energy is getting increasingly more expensive, so we have to measure it and manage it well.





And how can that be done?



Getting Started ...

There is no need to invest a lot of money only to treat yourself to a small, yet comfortable, amount of change. You will find that a dimmer switch like this will provide you with a completely different atmosphere than you were previously accustomed to when you could only turn the lights on or off.

You'll never again forget to turn off the light on the stairway, in the corridor, or at the entryway. Outdoor lighting will be turned on automatically according to the sunset. A simple thermostat will provide you with fundamental comfort.

Investments made in these devices will soon be returned to you in the form of energy saved!



Staircase switch with dimmer



Flush mounted dimmer

Among the most commonly used basic devices are staircase switches and dimmers. With the touch of one button or more you can adjust the level of brightness, which is stored in the memory.

We can also dim halogen light bulbs, energy-saving light bulbs, and even the increasingly popular LED lighting. An additional function of dimmer switches is to expand your options - e.g. the gradual brightening or darkening of a room.

Whether you choose a thermostat with a „knob“ or a „display“, you can always be sure that you are saving more than 40% in electricity. You can rest easily knowing that the control relays of your electrical network will ensure that none of your expensive equipment becomes overloaded.

Try it out!

Operate Wirelessly

You don't want to cut into your walls and lay cables? You don't have any space in your in control panel? In that case, we have a solution for you: control your appliances wirelessly. On top of that, you are not tied to one place and you can move the controller to wherever it suits you - stick it to glass, mount it on wood, put it in your pocket and even control things from the bathroom or swimming pool.



With one controller, which you will always have at hand, you can control the lights, sockets, heating, blinds, shutters, awnings, and even the garage door... A myriad of functions will provide you with the perfect guarantee that you have made the right choice.

It provides you with the opportunity to set up various lighting scenes and schemes. And in addition, you'll be able to increase your comfort and ensure the security of your home through wireless motion detectors and monitor the opening of windows and doors.

The RF Pilot display will provide you with a complete overview of all your devices and allow you to centrally manage them. With one touch of a button you can perform several functions at once.



CONTROL BLINDS AND ROLLER SHUTTERS

SWITCH ON THE LIGHTS FROM ANYWHERE

CONTROL THE LIGHTING EFFECTS

MONITOR CRITICAL TEMPERATURES

REMOTELY CONTROL YOUR APPLIANCES THROUGH YOUR MOBILE PHONE

ACTIVATE LIGHTS BY WALKING

PROTECTION FROM FIRE AND FLOOD

SIMULATE SUNRISE AND SUNSET



Your home at a single touch!

Simply one touch is all that is required to set the lighting at half-level, turn on the TV, and close the shutters. Your room is just like you - ready for relaxation.

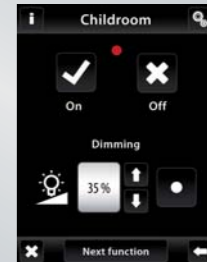
And if you have already preset the functions, you don't even have to touch a thing. This unit then becomes the heart and brain of your home automation. It not only allows you to comfortably operate your appliances, but it also monitors and switches on the heating in various zones, controls the opening of windows and doors and tracks your movements.



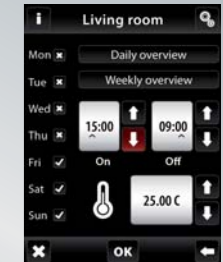
And it's all done wirelessly!
A touch screen the size of a wall switch unit works wirelessly with all receivers and controllers. Setting up lighting scenes and schemes according to a selected program thus makes the unit an essential part of every dwelling. Regulating the heating has never been easier. Just a touch! Adjust it to your interior design. Choose from among luxurious plates and covers made of glass or wood, or colored ones in white, red, aluminum, or black.



Control blinds



Dim the lights



Regulate the heating

It listens to you...

You can control your house in various ways. From the classic wall switch you know, to group buttons, any type of remote control, and even a gyrosopic mouse that follows the movements of your hand. The voice control unit truly listens to you. You can talk to it and the unit can talk to you as well. Connected sensors measure various parameters on which basis assorted operations can be activated.

Your house will obey your every word!



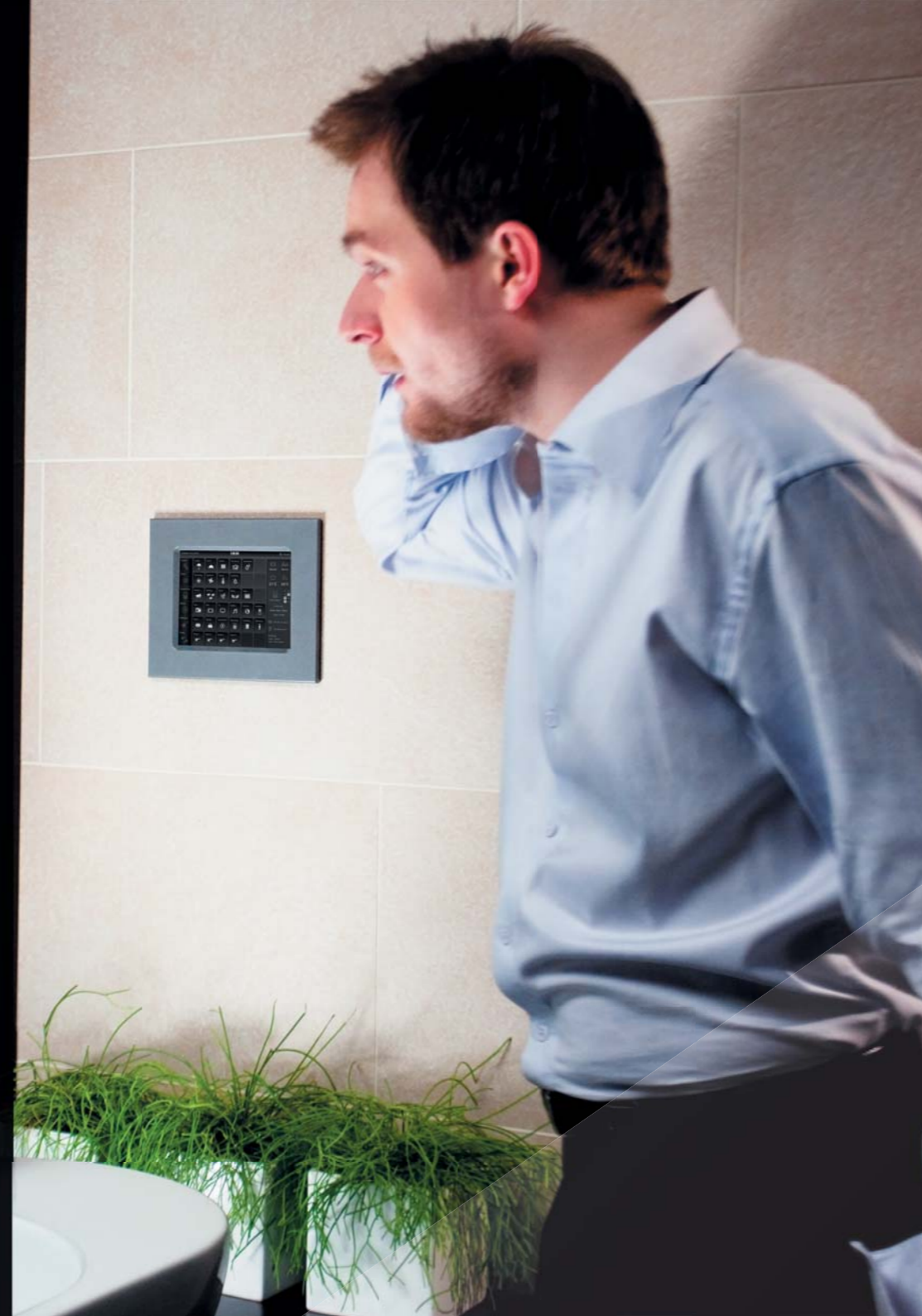
Group controllers contain two, four or eight buttons - always within the dimensions of a wall switch and with indicator signals.

Aside from delivering voice commands, the voice control unit also contains a temperature sensor, light, and infrared transmitter/receiver. You can thus control it through any remote control you have in your home from other devices or even choose a universal remote control.

A card reader identifies people according to cards or chips and opens doors or performs other commands. Each unit contains an input for a temperature sensor, and other sensors can be connected via converters.

A weather station monitors the weather and transmits information about humidity, outdoor light intensity, and wind speed and direction to the system.





Don't hesitate to touch it!

The ultimate control of all the functions within the home are the touch-screen panels. They allow fast, simple and comfortable management. They display information about the current state of your electrical installations, and of actual and of preset temperatures.

Through a panel you can choose a program on the television in the living room and also smoothly put on your wife's favourite song in the kitchen. You can see live images from connected video cameras, send e-mail, or surf the Internet. You will have the security system of the whole house under your command and control.



Touch screen control unit



iPHONE

The small touch-screen panel is the size of a wall switch and is used to quickly control up to twelve devices, including temperature regulation. You can replace all the other controllers in a room - switches, buttons, and even the thermostat - with just one panel. And you are still left with free buttons for controlling your common household appliances.

The large touch-screen panel can be freely configured and icons can be defined according to your own needs. The panel is thematically divided into groups: Function, Climate, Security, and Media. Each group contains buttons for all commonly used actions. Additional groups, Favorites and Scenes, allow you to define your own actions. The panel additionally provides information about both indoor and outdoor temperatures, security zones, received messages, timetables and even current events.

The Multiroom function gives you that ability in every room!

The whole house at your fingertips...

Would you like more? Then turn on your television and your whole house will be at your fingertips. You can watch your favorite show while also watching what's happening in your house. You can see images from the security camera at the entrance, as well as of the baby in nursery, for whom you can dim the lamp when it is time to go to sleep. Together with other occupants of the house you can go through the movie archive - which is all in one place and within a central data storage unit.

Forget about piles of CDs, DVDs and lots of remote controls. Now you have just one.

Everything in Full HD!



Gyroscope
controller

In the realm of multimedia functions, you can create several music or video zones. You can control the menu on the television screen simply by moving your hand - with a gyroscope remote control. With the touch of one button you can trigger all devices - e.g. turn on the television and amplifier, close the blinds, and adjust the lighting level so that you can watch a movie.

Each zone has access to shared files of photographs, images, music and videos from the central data storage. According to assigned privileges you can also access connected cameras. Being able to access the Internet and view e-mail is taken for granted. You can easily control the lights, socket outlets, blinds and other appliances on the house floor plan.



PHOTO



MUSIC



MOVIE



TV



TEMPERATURE



LIGHT



CAMERA



GAMES



INTERNET



SWITCH OFF



Overview and security

Electronic systems play a major role in the security of your home and all its inhabitants. The security system responds to the opening of doors or windows, the breaking of glass panels, the movement of people, cigarette smoke or fumes, and even flooding.

The control and oversight of the security functions is possible in several ways, which are possible to combine (security key-pad, mobile phone, touch-screen panel, computer...).

Your security is our priority!



Security keyboard



Control over the GSM phone

Activation/deactivation of the alarm is usually carried out by entering a code on the keypad or with a magnetic card, where each user is assigned their own code with their appropriate privileges. It is thus possible to divide the house into several independently operating zones.

Not only the security alarm, but also other functions of the house can be easily controlled through the GSM gateway and mobile phone. You can receive perfect information about the state of the system from any remote computer.

The Simulated Presence function provides the random turning on of lights or the drawing of blinds. Voice control and wireless key-chain also provide the elderly or disabled the ability to call for the timely assistance!

Absolute enjoyment...

Do you feel completely relaxed? You don't have to worry about anything and the electrical installations will make decisions for you. There's nothing for you to forget and nothing can go wrong. And if you still want to get involved, you'll have the whole house under your control through the touch-screen panel. You don't even have to go to the kid's room to look for and play their favorite children's movies. You can do everything through the television you're currently watching with just three clicks. And did they actually fall asleep? The camera feed on your television screen will immediately show you.

Visiting friends will surely appreciate the fact that you don't have to run around the house to turn off lights. Just one button is enough to make the patio light up, make the music play, and start the swimming pool's filtration system.

All that's left is to enjoy it...



Audio zone
player

You no longer need to worry when leaving your house. Aside from activating the alarm, you can remotely control your electrical installations and make necessary corrections. It's not a problem to turn off the forgotten iron, activate the home security system, lower the shutters during a storm, or even turn on the heating because you're coming home a little earlier today...





A design that will captivate

We offer you switches, sockets and accessories not only in standard plastic or metallic, but you'll also be captivated by the luxurious styles of our switch plates and outlet covers made from natural materials: wood, metal, marble and tempered glass - crystal.

The switch plate will compliment the button in shades of pearl, aluminum or even, for example, dark gray or white. You can thus create many combinations according to your own wishes and tastes.

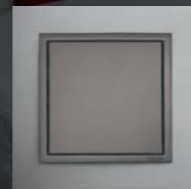


Sound system central unit

Whether you choose a normal switch, wireless button, group control, voice control unit, or touch-screen panel, we guarantee that you can get them in the same design.

This way your interior won't be overpowered by different colors, shapes, and materials. You will not only appreciate the quality of the visible parts of the switches and switch plates, but also the switch mechanism itself. Thanks to their special design, they will even flexibly cope with any potential curvatures of your walls.

And we of course offer combinations of multiple-gang switch plates and outlet covers (horizontal and vertical).



Electrical installations that do the thinking for you

Literally. You don't have to worry about closing the shutters during bad weather. The lights will be turned on, the temperature will be set to a comfortable level, and you will be sent a text message letting you know that everything is ready. Various sensors monitor what is happening, assess the situation, and react. You will not be overheated, flooded, have open windows when you've got the heating on, nor unclosed doors.

The system will intelligently regulate the heating and cooling, dim the lights, and turn off unnecessary appliances for you. With this you achieve significant energy savings. Through the Internet you will always be able to connect to your electrical installations and remotely control them, or just check on them.

Your home will love you!



System control unit

All units are connected to a 2-wire bus bar that carries currents at safe voltage levels throughout the entire home. It is possible to shift or add units to it at any time, which gives you a great amount of flexibility when making future changes. You can also change the functions of a unit at any time, such as turning a dimmer into a light switch, or vice versa. Everything is set from the computer with the aid of a simple program - even remotely without having to have a technician arrive on site.

You have the ability to control selected functions via any Web browser (e.g. from a computer or phone) from anywhere in the world.



System functions overview



Lights are switched on automatically when movement is detected.



Shutters are adjusted according to the intensity of outdoor light.



Blinds are adjusted and the brightness of the lighting is regulated by sensors monitoring outdoor light intensity.



Indoor lighting brightness adjusted by sensors that monitor outdoor light intensity.



Lights are switched on automatically when movement is detected.



Alarm lighting activated when the building is disturbed.



The system can be remotely controlled and configured via a PC.



Even text messaging can be used to control your home's functions.



Lighting scene „Movie“



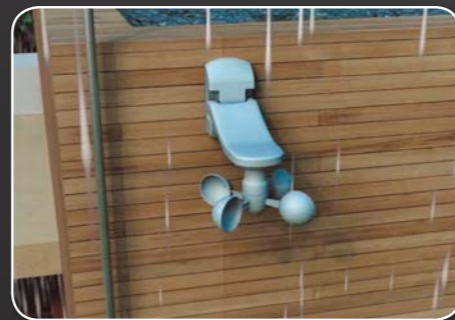
Lighting scene „Party“



Lighting scene „Reading“



Comprehensive solutions for your home's electrical installations.



According to data from a weather station, you can control the lighting, shutters, and heating.



Blinds are automatically raised with the first rays of the sun.



During bad weather shutters are lowered and the pool-cover is activated automatically...



Blinds can be controlled by the lighting scenes.

Comprehensive solutions to your electrical installation needs from one manufacturer



Wireless control unit RF Touch



RF Touch provides convenient control and overview from one location! Other RF units are thus linked within one intelligent wireless system. Heating, switching actions, dimming, and control of the blinds can be easily set or adjusted according to your needs and wishes. RF Touch is especially suitable for reconstruction (without laying cable), as well as for new electrical installations.

Wireless controllers



Wireless switches can be placed anywhere - on glass, walls, or wood. Their flat design and battery supply make installation really quick and easy. You will certainly be interested in the design of the LOGUS⁹⁰ switches, which are made from only natural materials (wood, glass, metal, stone). The wireless key-chain can be carried with you at all times, placed in your car, or on your desk.

Wireless controller with display

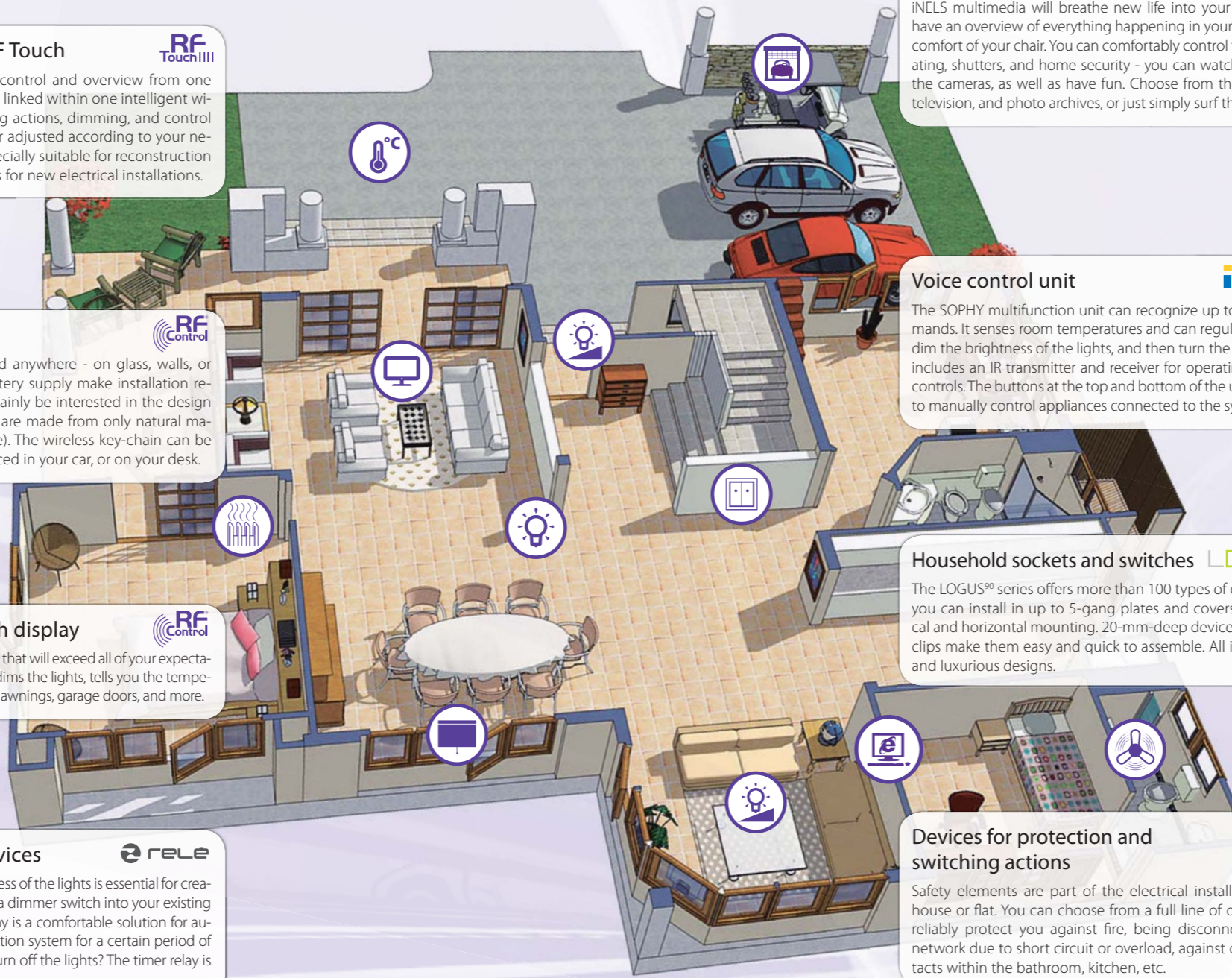


The RF Pilot is a remote control unit that will exceed all of your expectations. It controls up to 40 devices, dims the lights, tells you the temperature, operates appliances, blinds, awnings, garage doors, and more.

Modular electronic devices



Being able to regulate the brightness of the lights is essential for creating lighting scenes. You can add a dimmer switch into your existing electrical installations. A timer relay is a comfortable solution for automatically controlling the ventilation system for a certain period of time. Do you keep forgetting to turn off the lights? The timer relay is once again our solution!



The multimedia features of the iNELS



iNELS multimedia will breathe new life into your home. You will have an overview of everything happening in your home from the comfort of your chair. You can comfortably control the lighting, heating, shutters, and home security - you can watch the feed from the cameras, as well as have fun. Choose from the movie, music, television, and photo archives, or just simply surf the Internet.



Voice control unit



The SOPHY multifunction unit can recognize up to 64 voice commands. It senses room temperatures and can regulate the heating, dim the brightness of the lights, and then turn the lights on. It also includes an IR transmitter and receiver for operating your remote controls. The buttons at the top and bottom of the unit can be used to manually control appliances connected to the system.



Household sockets and switches LOGUS⁹⁰



The LOGUS⁹⁰ series offers more than 100 types of equipment that you can install in up to 5-gang plates and covers for both vertical and horizontal mounting. 20-mm-deep devices and screwless clips make them easy and quick to assemble. All in sophisticated and luxurious designs.



Devices for protection and switching actions



Safety elements are part of the electrical installations of every house or flat. You can choose from a full line of devices that will reliably protect you against fire, being disconnected from the network due to short circuit or overload, against dangerous contacts within the bathroom, kitchen, etc.



Benefits for customers



COMFORT

- ✎ dimming function (gradual turn on/turn off, soft start, lighting scenes)
- ✎ control via touch-screen display (embedded in the wall, complete overview)
- ✎ control via standard remote control (e.g. from your TV or HiFi system)
- ✎ voice control (the Sophy unit responds to voice commands)
- ✎ temperature control according to preset programs in every room
- ✎ the ability to control via mobile phone, computer and internet

AUTOMIZATION

- ✎ functions are performed automatically based on set variables (time, temperature, light levels, movement, wind speed)
- ✎ it's possible to perform several functions through one command or event (e.g. at dusk INELS closes the blinds, turns on lights, increases the room temperature, turns on the television...)
- ✎ incoming/outgoing function: after entering a code (or scanning a card) on the key-pad the system automatically adjusts electrical appliances in accordance to the recognized user

SUPERVISION

- ✎ the system will inform you about a specific event/events via text message
- ✎ you can connect to your house and check and change the status anywhere in the world where you have access to the Internet
- ✎ the integrated security system can be linked to a security agency

SAFETY

- ✎ an alarm with advanced features is part of the system
- ✎ the system is equipped with its own key-pad that can be controlled by a code or access card
- ✎ all settings and access are password protected at several levels
- ✎ the house is protected against bad weather (shutters in the event of high winds or storm), unexpected events (disturbances in the network, excess voltage, overloading), natural disasters (flood detector, smoke detector)
- ✎ Bio-installations: turn off unused electrical circuits (e.g. in the bedroom during sleep)
- ✎ set ideal conditions so your children can sleep (the gradual switching off of lights, pleasant temperature, monitoring movement - babysitting)
- ✎ touchable parts of the sensors are powered by a safe 24 V

SAVINGS

- ✎ the regulation of the heating and/or air conditioning is one of its features
- ✎ scheduled or time-limited switching actions
- ✎ lighting control (it's possible to get up to 10% in electrical energy savings)
- ✎ dependent switching actions (e.g. at dusk, at a set temperature...)
- ✎ inhibit the use of selected appliances during expensive peak energy times
- ✎ turn off unrequired appliances (e.g. turn off the light in the absence of movement)

DESIGN

- ✎ modern designs for control buttons, thermostats, voice sensors, switches and outlets - all in the Elegant and Logus³⁰ design range
- ✎ combination possibilities in various colours and in multi-gang plates and covers
- ✎ a touch-screen display – something to nicely liven up your home

SPEED AND INSTALLATION TIME

- ✎ significantly lower because of the bus bar installation
- ✎ units are installed and then activated

QUICKNESS AND EASE OF CHANGING AND UPGRADING

- ✎ units can be supplemented or replaced in the future
- ✎ functions can be changed via the PC, even remotely (no need for a technician to come)

USEFUL ELEMENTS FOR THE DISABLED

- ✎ voice and remote control for the immobile
- ✎ voice messages for the blind (the Sophy unit reproduces pre-recorded messages)
- ✎ several actions can be performed by one command (for the infirm)
- ✎ control things from your computer from one location (for the immobile)

FLEXIBILITY

- ✎ the user can remotely supervise things over the Internet
- ✎ units can be upgraded at any time (e.g. while adding an extension to the house)



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ELKO EP, s.r.o. brings you comprehensive
electrical installation solutions



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