

Board & Cases

for a successful life presentation





ELKO EP | Company introduction

ELKO EP have been your partner in the field for 30 years, developing and manufacturing the highest quality electronic devices for electroinstallation as well as Smart System for Residential and Building automation.

- 1 Training center
- 2 Warehouse
- 3 Testing lab
- 4 Research & Development centre
- 5 Administration building
- 6 Manufacturing hall



30 000 +
iNELS
installations



30 000 000 +
manufactured
products



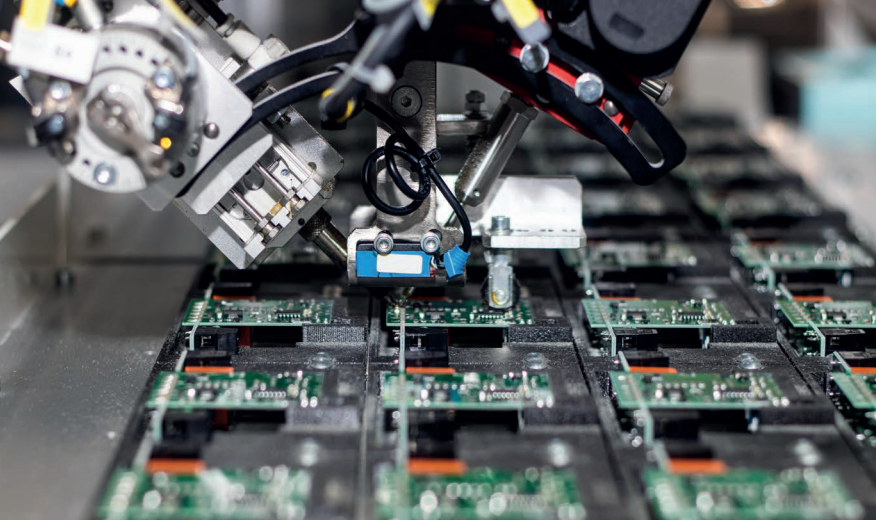
R&D
continuously
innovative



SUPPORT
24 / 7 / 365



MANUFACTURER
fully automated
complete proces



If you want to know more...

ELKO EP employs more than 350 people across 11 foreign branches and exports its products to more than seventy countries.

Company of the Year, Visionary of the Year, Superbrands and Global Exporter of the Year are just some of the awards we have received throughout the years as we consistently strive to move forward in the field of innovation and development.

Millions of relays, thousands of smart homes, hundreds of buildings and many satisfied customers - This is ELKO EP; a traditional company based in the center of Europe, where own development, production, logistics, and service are at the forefront of our focus.



Czech Business Superbrands



Accredited testing laboratory



Years
guarancy



Czech
made



Customization
welcome



350
employees
in holding



WORLDWIDE
11 branches
6 franchises
70 export countries

www.elkoep.cz

www.inels.cz

INELS

WIRELESS | SMART ELECTRO INSTALLATION

LIGHTS



CONTROLLERS



HVAC



INELS

BUS | SMART WIRED ELECTRO-INSTALLATION

CENTRAL UNITS



CONTROLLERS CLASSIC



DIMMING



SWITCHING



INELS

BUS | SMART WIRED ELECTRO-INSTALLATION

INTEGRATION



CONTROLLERS GLASS



HVAC CONTROL



I/O UNITS



LARA AUDIO 5in1
MUSIC IN YOUR SWITCH



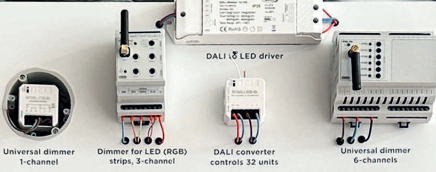
INELS



1

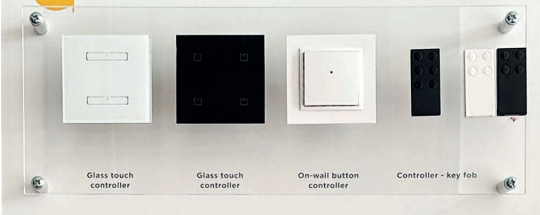
WIRELESS SMART ELECTRO INSTALLATION

LIGHTS



Universal dimmer 1-channel Dimmer for LED (RGB) strips, 3-channel DALI LED driver controls 32 units Universal dimmer 6-channels

CONTROLLERS

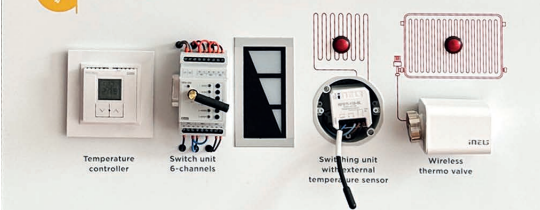


Glass touch controller Glass touch controller On-wall button controller Controller - key fob



Touch control unit Smart RF gateway Voice control iNELS app

HVAC



Temperature controller Switch unit 6-channels Switching unit with external temperature sensor Wireless thermo valve



iNELS

2

WIRELESS SMART ELECTRO INSTALLATION

SHADING



On-wall button controller Switch unit for shutters On-wall button controller Input contacts converter

DETECTORS



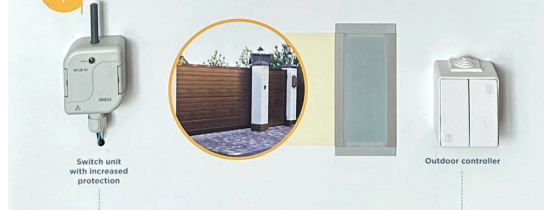
Motion detector Outdoor twilight detector Window/door detector Flood detector

SWITCHING



Switching unit 1-channel Switching unit Switch unit 1-channel Switch unit 6-channels Switching socket-plug

OUTDOOR



Switch unit with increased protection Outdoor controller



iNELS

iSS Wireless 1 iSS Wireless 2

Introducing our latest innovation, the double panel wireless with product for home.

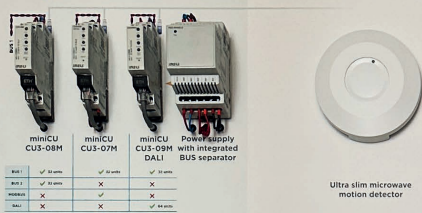
A wireless system refers to a network of devices or components that communicate and transfer data through electromagnetic waves, such as radio frequencies or infrared signals, instead of physical connections. Wireless systems can include a variety of applications, such as wireless internet, mobile phones, wireless sensors, and wireless home automation systems. These systems provide convenience, flexibility, and mobility, and are becoming increasingly popular in both personal and professional settings.

On this panel you can see a sample of options for simplifying and making your home or your customers' home more comfortable.

1

BUS SMART WIRED ELECTRO-INSTALLATION

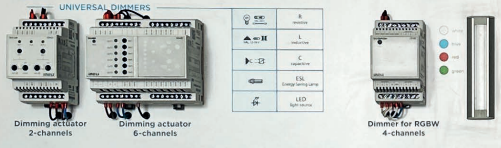
CENTRAL UNITS



CONTROLLERS CLASSIC



DIMMING



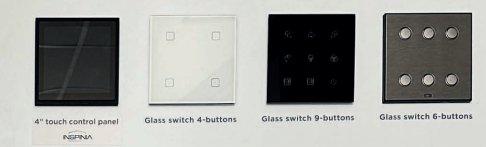
2

BUS SMART WIRED ELECTRO-INSTALLATION

INTEGRATION



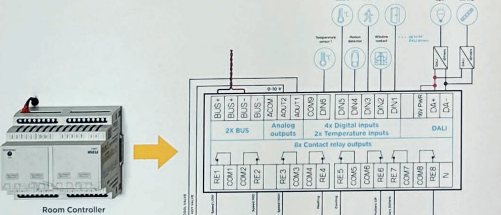
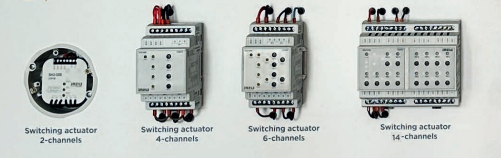
CONTROLLERS GLASS



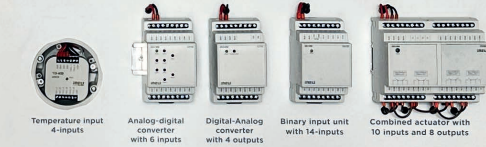
HVAC CONTROL



SWITCHING



I/O UNITS



LARA AUDIO 5in1



**ISS BUS 1
ISS BUS 2**

The double panel wired product is a versatile and efficient solution for view options controlling different types of electrical devices.

A wired system is a technology infrastructure that uses physical cables to connect devices and transmit information. It is commonly used in networking, security, and audio systems. This system is also less prone to interference from other electromagnetic sources and can transmit larger amounts of data over long distances.

Wired systems offer greater reliability and security compared to wireless systems, but they require more installation time and can be more expensive.

1

RELÉ

SOUMRÁKOVÉ SPÍNAČE



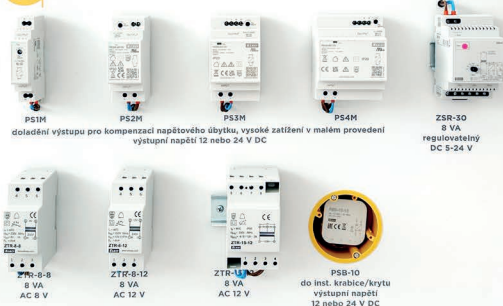
SOU-1 analogový s externím senzorem
SOU-2 digitální se spínacími hodinami s externím senzorem
SOU-3 pro okamžitý pozůstí s vestavěným senzorem

STMÍVAČE



SMR-M univerzální stmívač 4-vodičový (s NULOU)
DIM-15 univerzální stmívač ovládaný tlačítky 300 VA

NAPÁJECÍ ZDROJE



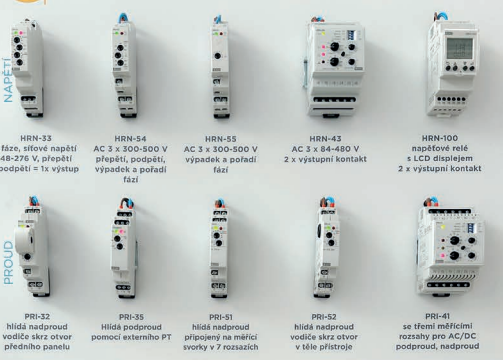
PS1M doložení výstupu pro kompenzaci napětového úbytku, vysoké zatížení v malém provedení
PS2M
PS3M
PS4M
ZSR-30 8 VA regulovatelný DC 5-24 V
ZTRP-8-9 8 VA AC 6 V
ZTRP-12 8 VA AC 12 V
ZTR-12 8 VA AC 12 V
PSB-10 do inst. krabice/krytu výstupní napětí 12 nebo 24 V DC

USS



USS-ZM
USS-01
USS-04
USS-10
USS-15
USS-18

MONITOROVACÍ RELÉ



HRN-33 1 fáze, síťové napětí 48-276 V, přepětí, podpětí, výpadek a pořadí fází
HRN-54 AC 3 x 300-500 V přepětí, podpětí, výpadek a pořadí fází
HRN-55 AC 3 x 300-500 V výpadek a pořadí fází
HRN-42 AC 3 x 84-480 V 2 x výstupní kontakt
HRN-100 nastrojové relé s LCD displejem 2 x výstupní kontakt
PRI-32 níže nadproud vodiče skrz otvor předního panelu
PRI-35 níže nadproud pomocí externího PT
PRI-51 níže nadproud připojeny na měřící svorky v 7 rozazích
PRI-52 níže nadproud vodiče skrz otvor v těle přístroje
PRI-41 se třemi měřicími rozazhy pro AC/DC podproud, nadproud



HLADIVA
HRH-5 pro kontrolu 1 nebo 2 hladin
HRH-8 termostat pro kontrolu 1 nebo 2 hladin, či přečerpávací nádrží
HRH-9 pro monitorování 6 hladin každá sonda má svůj výstupní kontakt
HRH-7 pro kontrolu jedné nebo dvou hladin v krytu IP65



TER-3 jednoobdobový termostat v 8 rozazích od -30 do +70 °C
TER-7 termostat pro kontrolu teploty vnitřní motoru
TER-9 dvojitý termostat od +40 do +110 °C
TER-4 digitální termostat se spínacími hodinami od -40 do +110 °C
TER-5 jednoobdobový termostat ve venkovním provedení v krytu IP65 od -30 do +60 °C

2

RELÉ

ČASOVÁ RELÉ



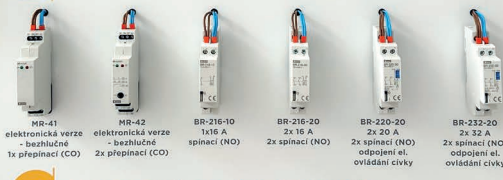
CRM-181J výběr ze 4 funkcí 1x výstupní kontakt
CRM-183J výběr ze 4 funkcí 3x výstupní kontakty
CRM-161 multifunkční ekonomická verze relé CRM-91H
CRM-91H multifunkční 1x výstupní kontakt
CRM-93H multifunkční 3x výstupní kontakty
CRM-91HE multifunkční s externím potenciometrem
CRM-111H multifunkční s posunutím zpoždění 1x výstupní kontakt
CRM-113H multifunkční 3x výstupní kontakty volba módu 2, a a, 3 kontakty
CRM-121H multifunkční galvanicky oddělený ovládací vstup
CRM-131H multifunkční 3 ovládací vstupy
SMR-8 multifunkční 4-vodičové (s NULOU) 1x výstupní kontakt
CRM-101 relé úspory el. energie
CRM-100 multifunkční LCD displej 1x výstupní kontakt
PDR-2 multifunkční LCD displej 2x výstupní kontakty
CRM-2T zpožděný rozaběr motoru hvězda/trojčhelník
CRM-2H asymetrický biláček 1x výstupní kontakt
CRM-82TO zpožděný návrat bez napájecího napětí
CRM-4 schodišřový automat s funkcí ON/AUTO/OFF
CRM-47 multifunkční schodišřový automat s prodlužováním času, signalizace
SJR-2 2-kanalová zpožděná jednotka 2x výstupní kontakty
P1HP-210 2x výstupní kontakty (s volbou módu 2.kontaktu)
PTR-210K multifunkční, 2x výstupní kontakty (s volbou módu 2.kontaktu)

SPÍNAČÍ HODINY



SHT-1 týdenní, roční 1-kanalové
SHT-1/2 týdenní, roční 2-kanalové
ATS-1DR s denním programem a rezervou chodu
ATS-2DR s týdenním programem a rezervou chodu
ATS-2WR s týdenním programem a rezervou chodu
SHT-13/2 Multifunkční digitální spínací hodiny s Wi-Fi připojením

PAMĚŤOVÁ A BISTABILNÍ RELÉ



MR-41 elektronická verze - bezhlábné 1x přepínací (CO)
MR-42 elektronická verze - bezhlábné 2x přepínací (CO)
BR-216-10 16 A spínací (NO)
BR-218-20 18 A spínací (NO)
BR-220-20 20 A spínací (NO)
BR-232-20 20 A spínací (NO) odpojení el. ovládacího prvku

POMOCNÁ RELÉ A STYKAČE



VS16K 1x 16 A kontakt napájení: AC 230 V
VS316/230 3x 16 A kontakty napájení: AC 230 V
VS116B/230 1x 16 A kontakt napájení: AC 230 V
VS240 2x 20 A
VS3 4x 25 A s manuálním ovládacím

RELAYS 1 RELAYS 2

Relays panel show devices used in control panels to switch electrical circuits on and off.

They are for applications that require high levels of reliability, safety, and accuracy. Relays can be used in a wide range of industries such as HVAC, energy management, and industrial automation. They can be used to control, lights, fans, heaters, and other electrical equipment. Relays are an essential component in control systems that require precise and reliable switching.

This panel serves to demonstrate the possibilities of how to simplify living.



1



TOUCH PANELS



- Android 6.0
- 5 Point Multi-Touch
- POE Gigabit Ethernet
- 2x 2W Speakers
- Microphone
- 5x Digital Input, 2x Digital Output
- Temperature Sensor
- Humidity Sensor
- 2x Extension Add-On Ports
- 2.4 GHz Antenna

- 4" IPS CTP
- Temperature Sensor
- 1x Extension Add-On Ports
- ROE Ethernet
- Humidity Sensor
- 1 Digital Input, 1 Digital Output

METAL FRAME OPTIONS



2



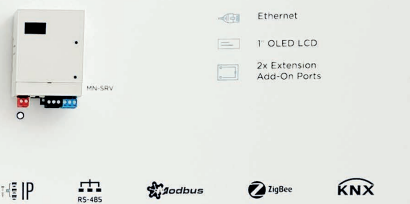
AIRCON INTERFACE



COMPATIBLE WITH



SERVERS



INSPINIA 1
INSPINIA 2

The Inspinia Touch Panels are designed to bring advanced smart home and building automation to your fingertips. These panels combine high-end technology with sophisticated design, making them ideal for modern living spaces. Available in various finishes such as black, silver, and gold, the Inspinia panels are crafted to complement any interior decor.

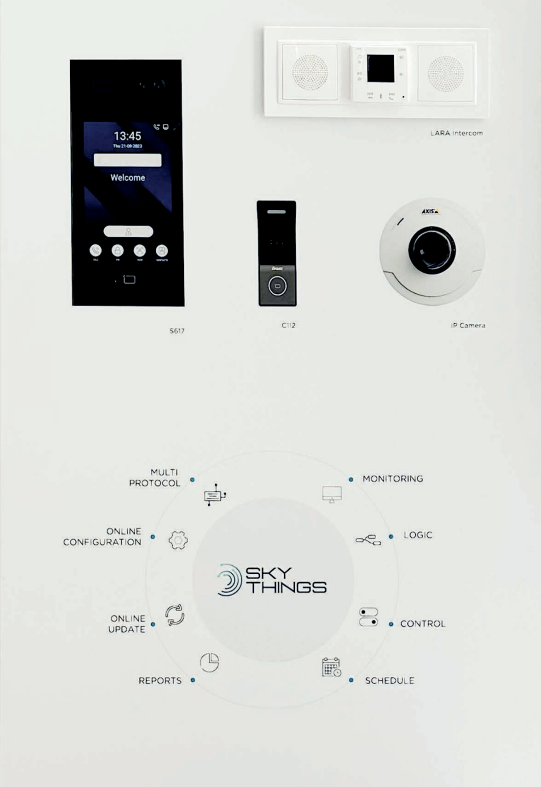
Standard interfaces include LAN RJ45, digital inputs and outputs, and optional interfaces for KNX, Zigbee, and Modbus, ensuring compatibility with a wide range of smart home devices. The Inspinia Touch Panels offer a seamless blend of style and functionality, making them a valuable addition to any smart home or building automation system.

ADD-ONS

	KNX Order Code: KNX-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 KNX Energy Profiler Media: 100V Location Type: None
	Modbus Order Code: MOD-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 Modbus Media: None Location Type: None
	Modbus Order Code: MOD-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 Modbus Media: Board In-board Cabinet Isolated
	Bluetooth Order Code: BT-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 Bluetooth (Only for AC products) Media: None Location Type: None
	ZigBee Order Code: ZIG-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 ZigBee Media: None Location Type: None
	bticino Order Code: BT-100 Supports Media: Power Consumption on Bus Location Type: None	A-100 bticino Media: None Location Type: None
	VRF & VRF SYSTEMS Supported Brand: Daikin, Mitsubishi Electric, Panasonic, Toshiba, Hitachi, Midea, LG, Samsung, Hitachi, Midea, Panasonic	Order Code: VRF-100 Terminal Name: F1, F2, R1, R2 Communication Line: CC Bus, TCC Bus, Modbus, BACnet, BMS, BMS-TS7, BMS-IP, BACnet, BACnet-IP, BACnet-IP, BACnet-IP, BACnet-IP

SAMSUNG MITSUBISHI ELECTRIC TOSHIBA LG CHIGO
DAIKIN MITSUBISHI HEAVY INDUSTRIES HITACHI Midea Panasonic

INTEGRATION



1

VYPÍNAČE
& ZÁSUVKY

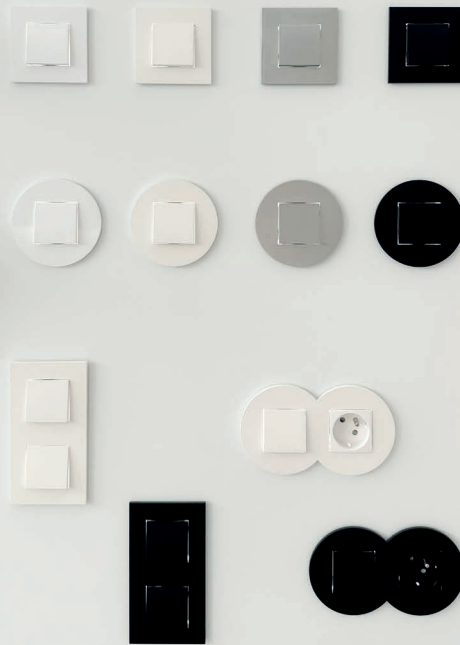
LATINA



2

VYPÍNAČE
& ZÁSUVKY

QUADRA & Siza



LATINA &
LOGUS⁹⁰

QUADRA &
POLO

Logus button controllers are compact and user-friendly devices used for various operations in industrial, commercial and homes environments.

These controllers allow the operator to control machinery or lighting, activate alarms, or trigger other systems with the push of a button or by a simple touch. They are made of robust materials and can withstand harsh environmental conditions. Logus button controllers are designed for easy installation and can be customized to fit the specific needs of different applications.

With its versatile and powerful functionality, the Logus controllers are an essential component for modern building management.

1

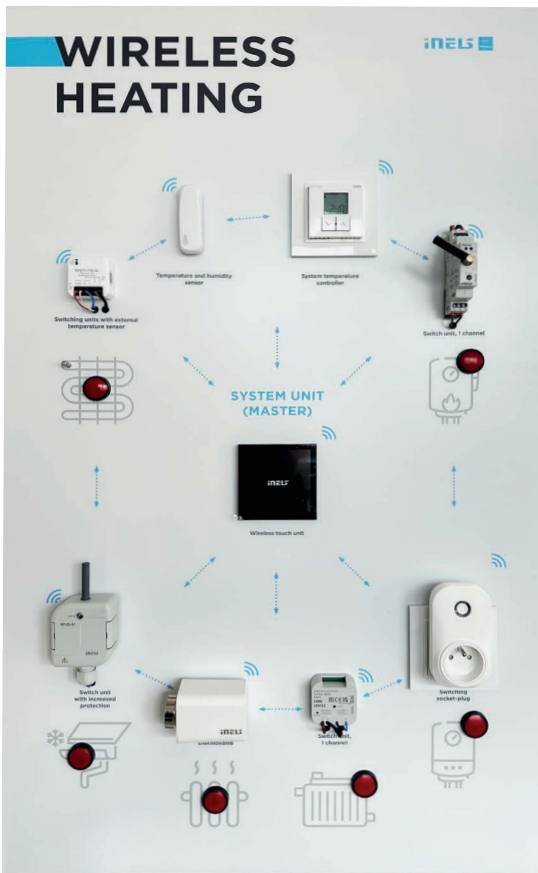
2

LOGUS⁹⁰



APOLO 5000





WIRELESS HEATING

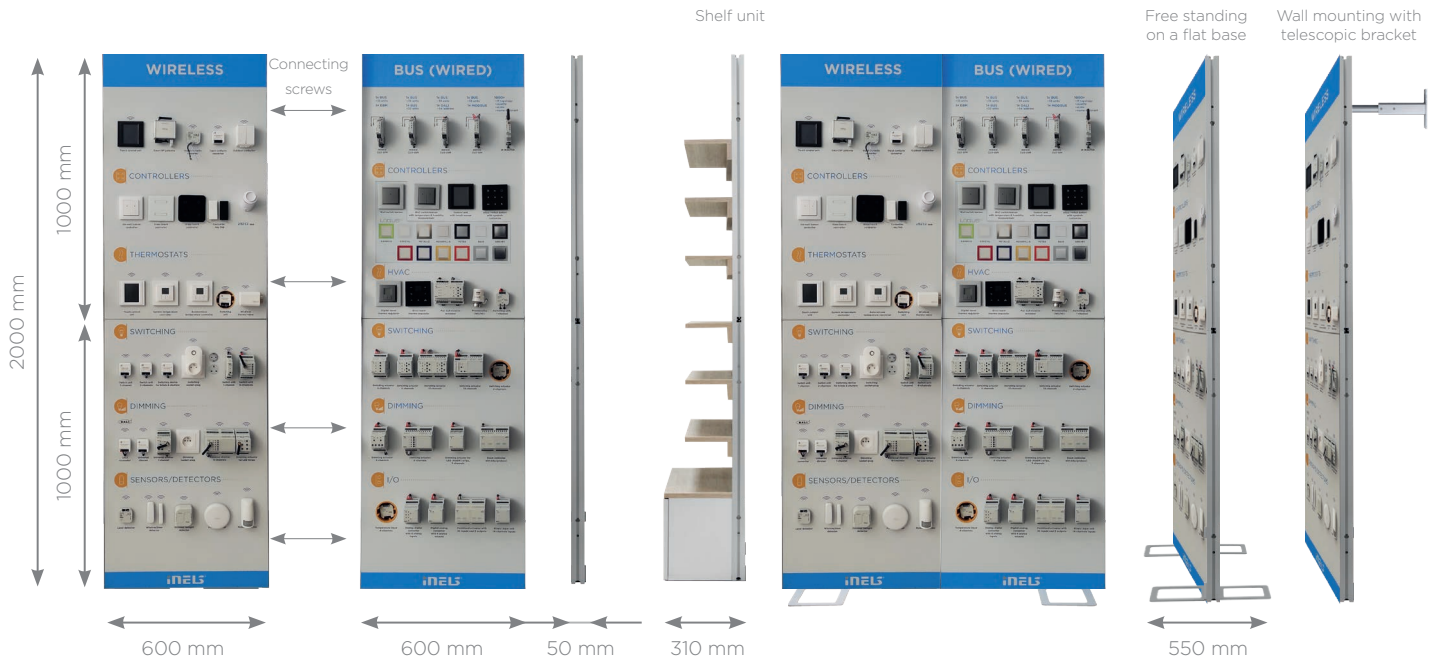
The Wireless Heating Panel showcases the innovative heating solutions offered by iNELS Wireless.

This display panel features a range of products designed for efficient and smart heating control, demonstrating their capabilities and versatility in managing various heating systems. From wireless thermostats to control units, each product exemplifies the ease of integration and user-friendly operation that defines the iNELS Wireless range.

The panel serves as an excellent visual guide for exploring the possibilities of wireless heating technology, helping users and integrators understand how these products can enhance energy efficiency and comfort in both residential and commercial applications.



Panel based modular system



Example of montage

Mounting at right angles using a square column

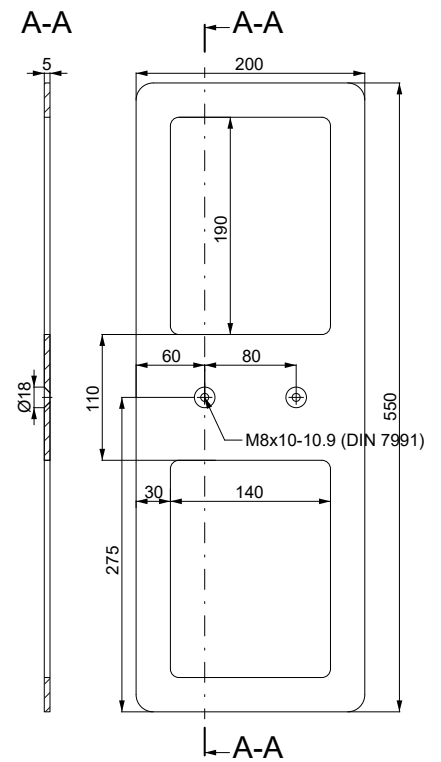
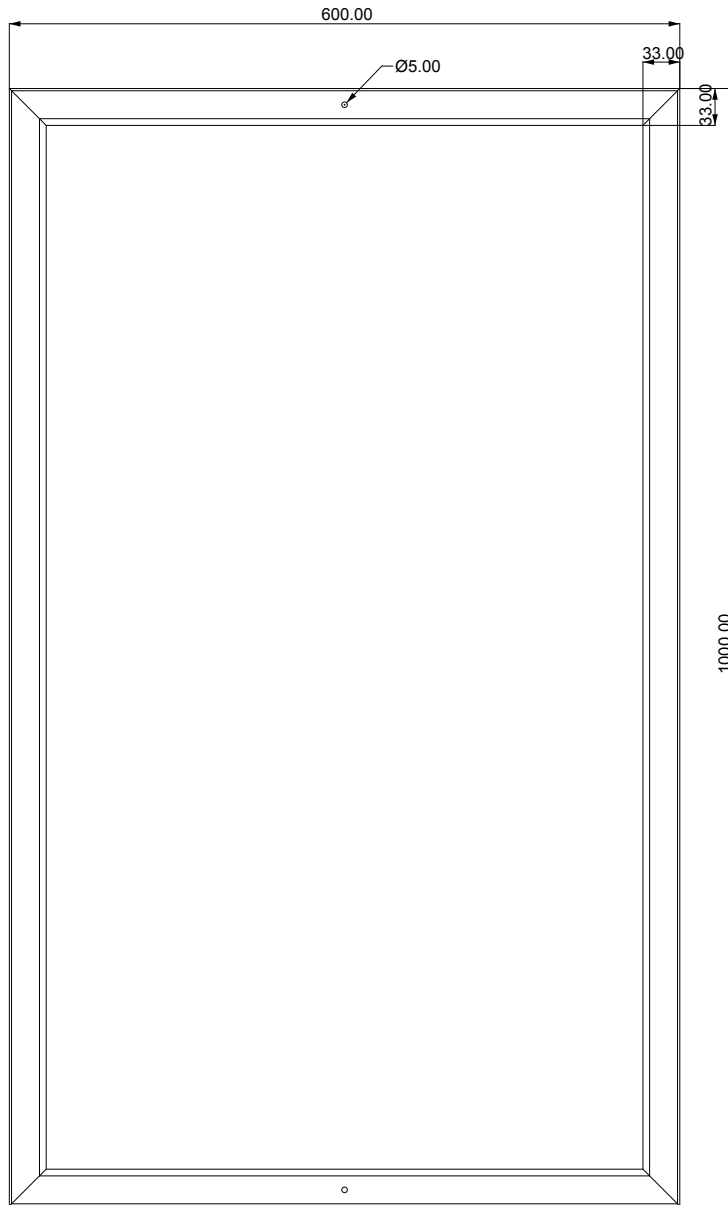
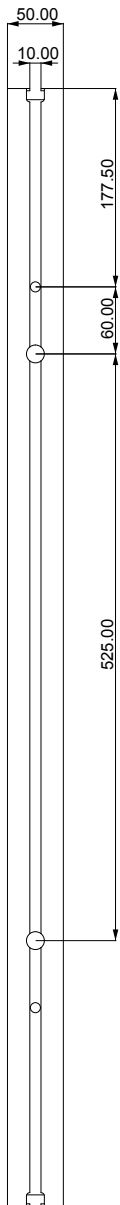
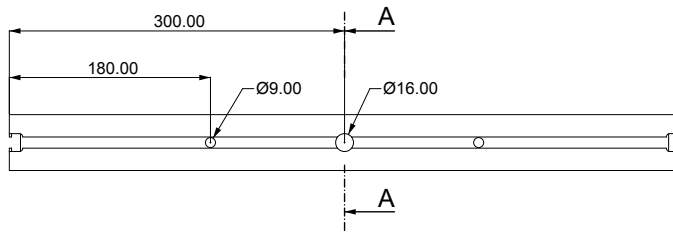


Mounting at any angles using an articulated column



Base modul dimension
frame scale 1:5

řez A-A



The panels are arranged in a vertical stack, with one panel positioned directly above the other, and are secured using a metal framework. For freestanding panels, structural supports are installed to ensure stability.



signaling board - flush mounted

109 cm

control board

52 cm

92 cm

135 cm

cabinet with shelves



- signalling board
- control board
- cabinet



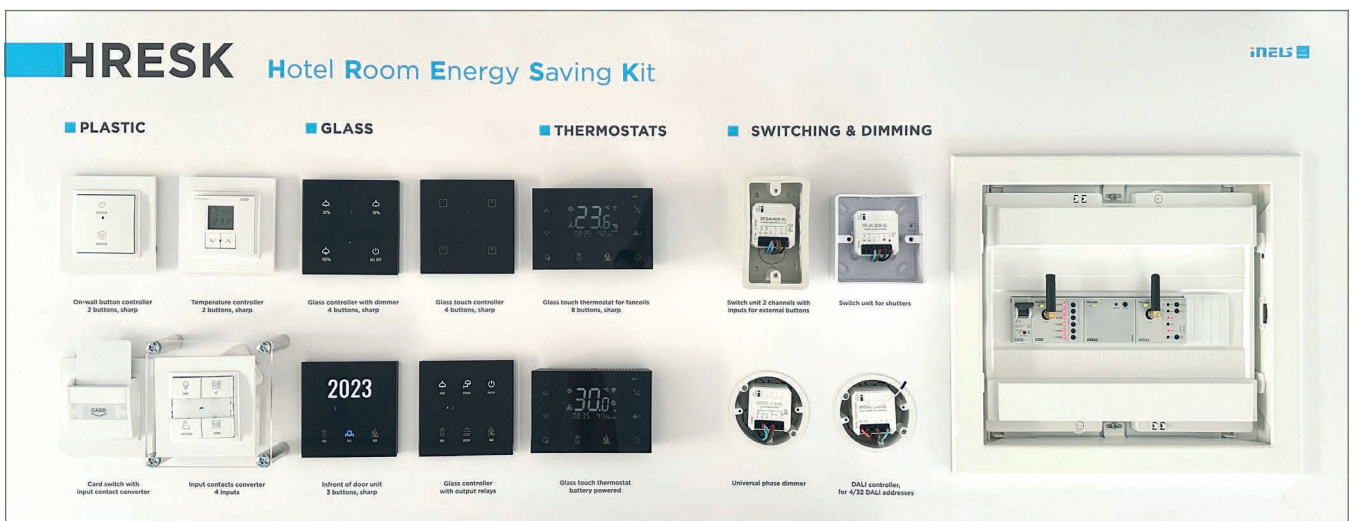
set

iNELS GRMS ISE 2024

Discover the elegance of control with iNELS GRMS, the ultimate solution for guest room management. Our system offers intuitive touch panels that blend seamlessly into any room design, providing guests with effortless control over lighting, climate, and entertainment.

The iNELS GRMS products are not just about functionality; they are about creating an experience that resonates with the modern traveler's desire for comfort, control, and luxury.





- signalling board
 - control board
 - cabinet
- set

INELS HRESK ISE 2024

HRESK offers a suite of devices that control lighting, temperature, and courtesy functions, all communicating wirelessly using a radio-protocol tailored for building automation. This innovative approach allows for a swift and clean installation process, elevating the hotel's electrical infrastructure to a new level of sophistication.

The HRESK system is not just a technological upgrade; it's a commitment to enhancing the guest experience through intuitive control, design elegance, and operational efficiency.



iNELS Wireless ISE 2024

iNELS, a leader in smart home and building automation, presents a suite of wireless products designed to revolutionize hotel room management. These solutions offer a seamless blend of functionality, design, and innovation, ensuring a superior guest experience and operational efficiency.

iNELS wireless products can be installed without any demolition or structural changes, making them ideal for both new constructions and existing buildings.



iNELS Integration ISE 2024

The iNELS Integration Board facilitates the integration of iNELS smart home and building solutions with third-party systems. It's designed to bridge the gap between iNELS devices and other platforms, such as Home Assistant, enabling a seamless and cohesive smart environment. By implementing the iNELS Integration Board, users can enjoy the benefits of a

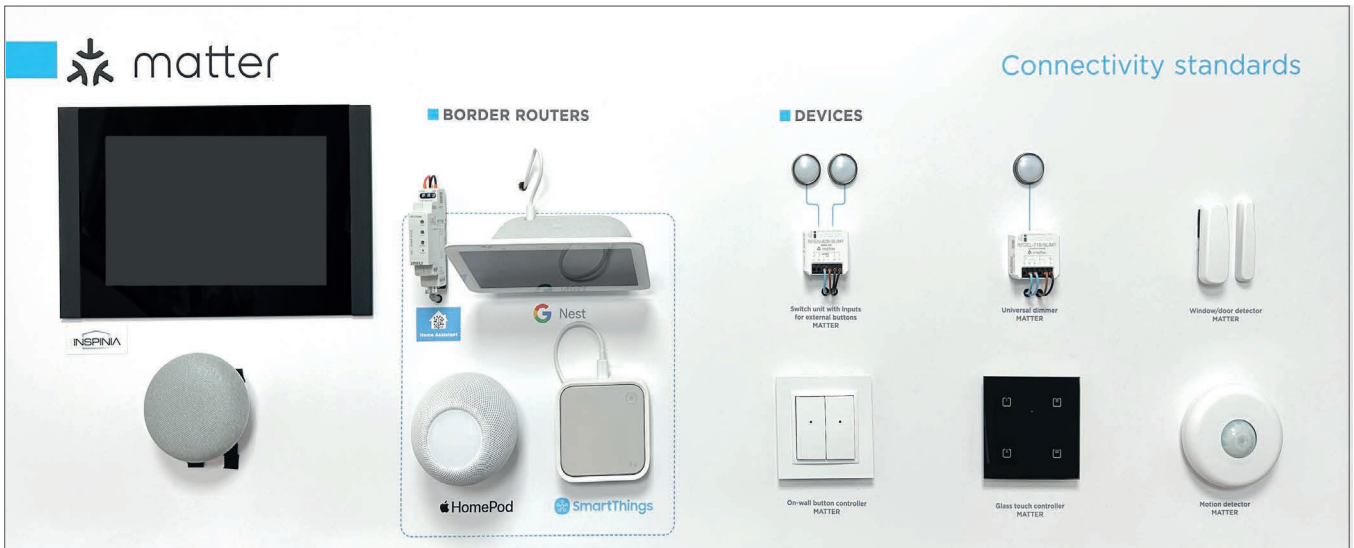
comprehensive smart home system that is both flexible and user-friendly, making it an ideal choice for those looking to enhance their smart home or building automation.



iNELS BUS ISE 2024

The iNELS BUS system is a sophisticated network infrastructure that forms the foundation of smart building automation. It connects all devices within a building, from sensors and actuators to controllers and central units, through a robust wired bus network. This system is ideal for larger residential units, commercial buildings, and any application where comprehensive

automation is essential. The iNELS BUS system is not just a product; it's a commitment to optimized building management, occupant comfort, and safety. It provides actionable insights for efficient operation, making it an indispensable part of today's smart buildings.



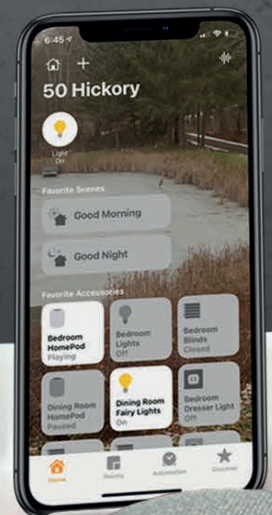
iNELS Matter ISE 2024

Matter is a universal standard designed to unify the control of various smart devices, ensuring seamless communication across different brands and ecosystems.

ELKO EP's Matter-enabled products include a range of controllers, switches, dimmers, and sensors. For example, their RFMD-200/MT motion detector is designed for ceiling in-

stallation and can detect movement to control lighting and other devices. Another product, the RFGB-40/MT glass touch controller, offers an elegant interface for managing multiple smart home functions.

iNELS wireless & matter





iNELS wireless & matter 2024

The plexiglass panel showcases the seamless integration of iNELS Wireless and Matter products. This setup demonstrates advanced home automation where devices communicate efficiently. The iNELS Wireless system, known for its flexible

and easy installation, connects various sensors, controllers, and performance units wirelessly. This combination on the plexiglass panel highlights the future of smart home technology, offering both reliability and versatility.

cases





iNELS BUS STARTER KIT 2024

The iNELS BUS STARTER KIT is a meticulously crafted package that serves as the perfect introduction to the iNELS BUS system, a sophisticated wired solution for smart home and building automation. This starter kit is specifically designed

for those embarking on new construction projects or large-scale renovations, providing a solid foundation in the realm of intelligent electroinstallation.



iNELS WIRELESS 2023

The instructional suitcase for electro technic is a comprehensive educational tool designed for students and professionals in the field of electrical engineering. Suitcase contains wireless touch controllers, sensors, detectors, thermostats, actors, switches and many others.

With this suitcase, students and professionals can gain a deeper understanding of electrical engineering, and improve their skills in designing, troubleshooting, and repairing electrical systems.



iNELS HRESK 2024

The iNELS HRESK case refers to the innovative solution provided by ELKO EP s.r.o. for existing hotels that wish to upgrade

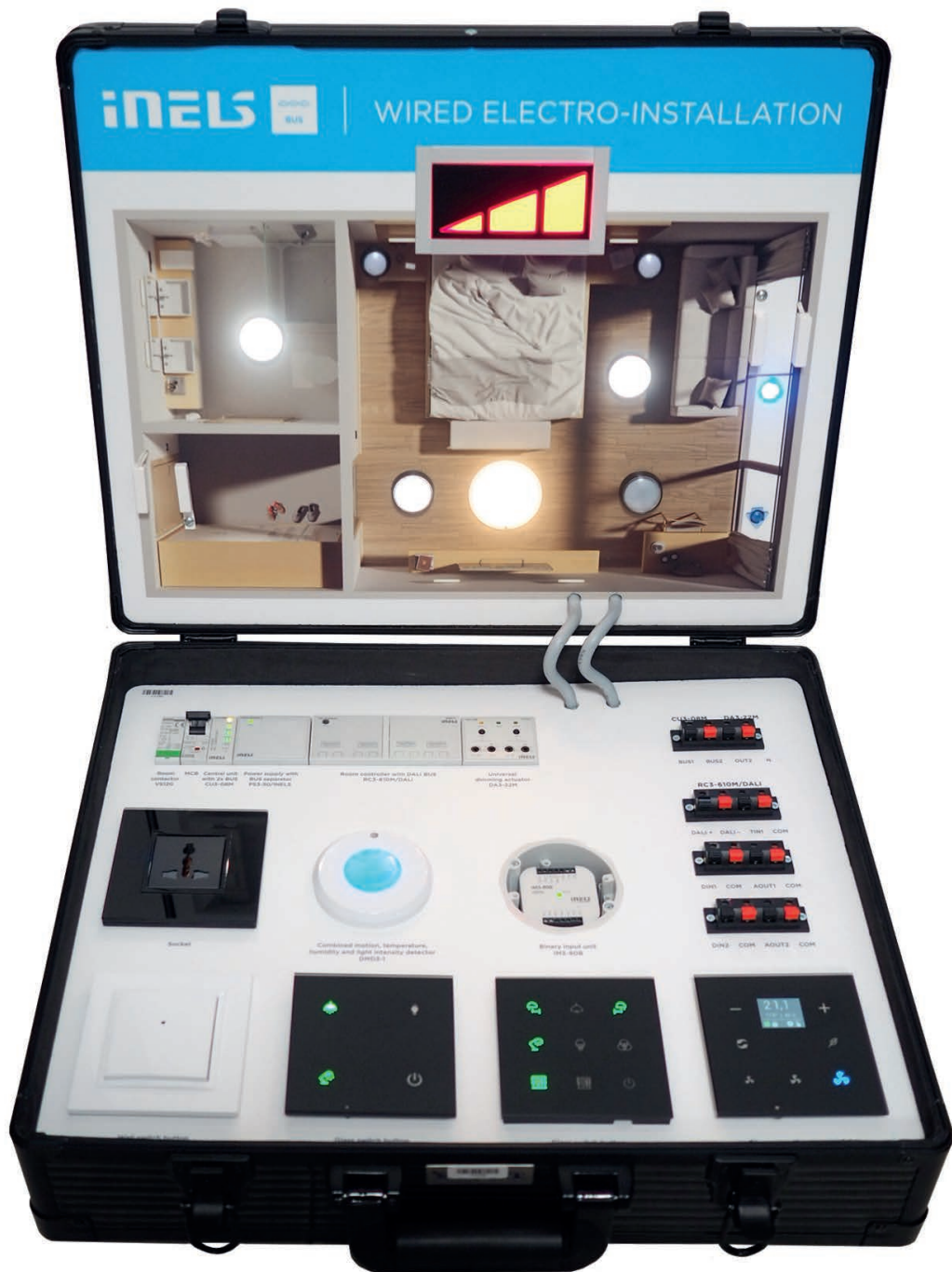
their room management systems to a wireless technology without the need for extensive refurbishment.



iNELS GRMS 2023

GRMS is an innovative electronic system that automates various functions in guest rooms, such as lighting, temperature, curtains, and security, to improve guest experience and minimize operational costs. Suitcase contains various sensors, devices, and control panels connected through a network to a central control unit.

The system also enables hotel managers to monitor and manage guest rooms remotely, schedule cleaning and maintenance tasks, and generate data analytics to optimize resource utilization. The GRMS requires skilled electro-technic engineers to install, configure, and maintain the system to ensure its reliability and effectiveness.



iNELS BUS 2023

The wired electro technic instructional case is designed to provide hands-on training for students and professionals in the field of electrical engineering. Suitcase contains wired room control using switches, controllers and actors. Users can experiment with different wiring and component placements, allowing them to learn about electrical theory and practical applications.

The case is durable and compact, making it suitable for both individual use and classroom instruction. Overall, the wired electro technic instructional case is an excellent tool for anyone looking to learn more about electrical engineering.



iNELS Shutters 2024

The wired shading control presentation case is an innovative tool designed to demonstrate and train users on smart shading solutions by iNELS. This compact case showcases components for controlling blinds, shutters, and awnings, including switches, controllers, and actuators. The case provides a hands-on experience, making it ideal for training sessions, product demon-

strations, or technical presentations. With its durable design and portability, the iNELS Shading Control Case is perfect for professionals, integrators, and educators seeking to understand and present advanced shading technologies.



INELS LOGUS⁹⁰

We offers a range of stylish and functional switches, sockets, and controllers designed to enhance both residential and commercial spaces. The LOGUS90 line is known for its high-quality

materials and elegant design, making it a popular choice for modern interiors.



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