

# Smart System Solution

Building automation system



Flat



House



Building



Hotel



# ELKO EP



**We are traditional, innovative and purely Czech development manufacturer of electronic devices. We have been your partner in the field of electroinstallations for 28 years.**

ELKO EP employs about 330 people, exports its products to more than seventy countries, and has representatives in fifteen foreign branches. Company of the Year of the Zlín Region, Visionary of the Year, Global Exporter of the Year, Participation in the Czech TOP 100, these are just some of the awards received. Still, we are not finished. We are constantly striving to move forward in the field of innovation and development. That's our primary concern.

Millions of relays, thousands of satisfied customers, hundreds of our own employees, twenty seven years of research, development and production, fifteen foreign branches, one company. ELKO EP, innovative Czech company based in Holešov, where development, production, logistics, service and support go hand in hand. We primarily focus on developing and manufacturing systems for building automation in the residential, commercial and industrial sector, a wide range of Smart city facilities and the so-called Internet of Things (IoT).



# A PROFESSIONAL SOLUTION FOR EVERYONE



## Savings

The main reason to make the decision: You will demonstrably save tens of percent costs. For heating, electricity and appliance optimization.



## Safety

The system protects you not only from uninvited guests, but also against potential threats to the house or office, thanks to constant monitoring.



## Comfort

It's just cool. You can control everything by mobile phone, voice or remote control. In addition, the smart house caters to you - it learns from your data and preferences.

## Smart house / Smart building



### Partial installation

It includes only what is needed: lighting, heating, blinds, gates ...



### Furnishings

It allows you to enhance any space: with wall controllers, detectors or a smart application.



### Family house

Fully under your control. Secure, economical, efficient and convenient.



### Apartment building

Automation, savings and comfort. All this is offered by our complete hotel solution.



### Hotel

Functionally equipped from the basement to the roof. For tenants a pleasure to live in.



### Commercial buildings

Automation, savings and comfort. All this is offered by our complete hotel solution.

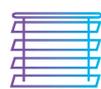
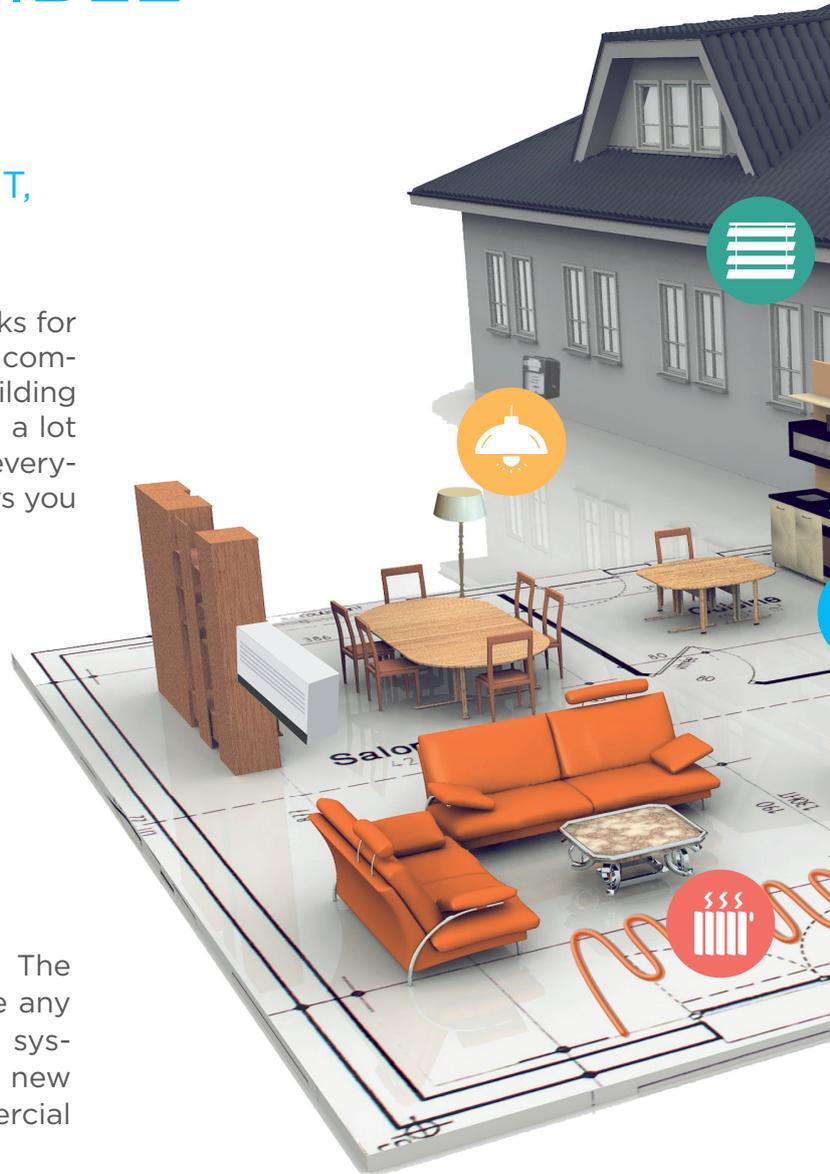
# THE BEST POSSIBLE SOLUTION

## EXACTLY FOR YOUR APARTMENT, HOUSE OR OFFICE

A smart house can handle many routine tasks for you. It controls heating, optimizes lighting comfort, takes care of appliances, secures the building from the outside and inside. It will save you a lot of money and even your nerves. It can set everything itself based on the data, but it is always you who control everything.

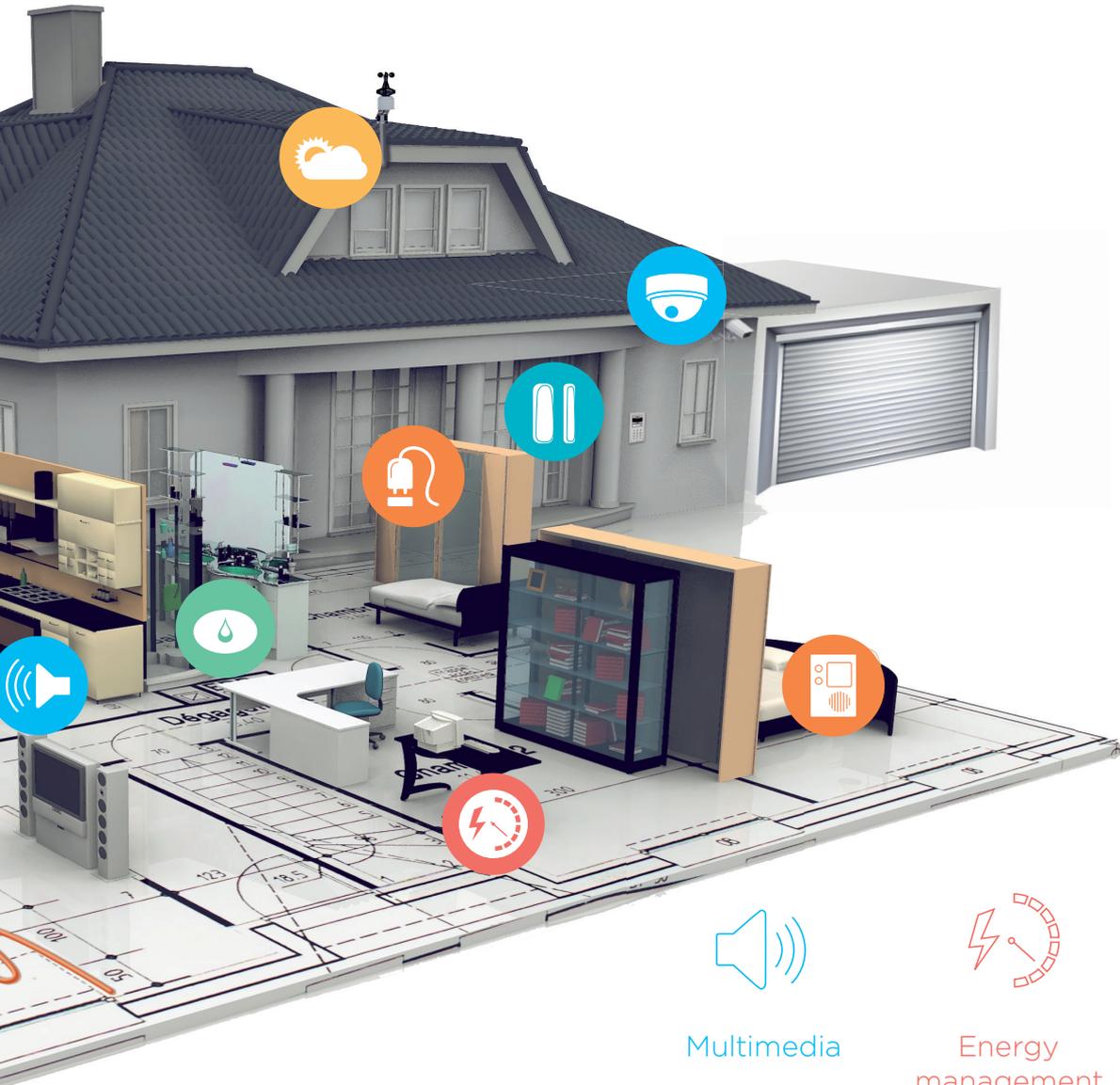
## WITH WIRING OR WITHOUT? IT'S JUST FOR YOU.

Each of the variants has its advantages. The iNELS RF wireless system does not require any construction modifications. The iNELS bus system offers more options and is perfect for new buildings, larger buildings, hotels or commercial buildings.

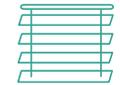


### Advantages of the wireless variant of iNELS RF Control

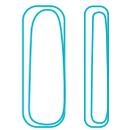
- quick installation without construction modifications
- placement of buttons and control panels, anywhere
- smart RF box for central control
- remote control or mobile application



Camera



Blinds,  
shutters



Safety



Intercom



Multimedia



Energy  
management



Weather  
station



Heating,  
cooling



Lighting



Switching



Flood  
detector

**Advantages of the INELS BUS System**

- extended range of functions, including integration of third-party systems
- camera systems and intercom
- air conditioning, heat pumps, photovoltaics and solar systems
- special components and multimedia systems

# YOU HAVE IT UNDER CONTROL

Control the house in many ways, which can also be freely combined.

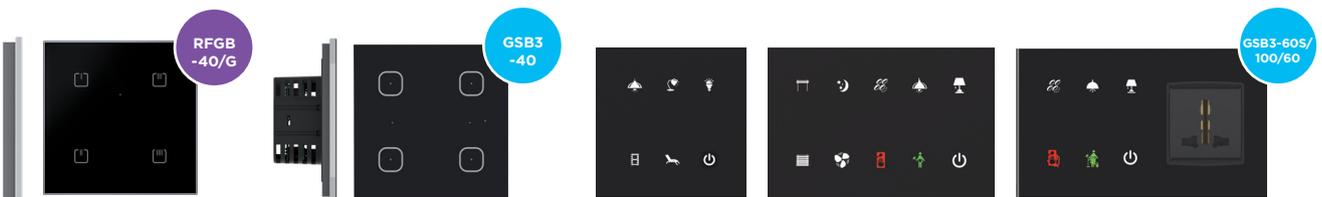
## Switches and controls:

In a modern design and with many colour combinations. In an economical plastic and touch glass variant.

### On-wall button controllers



### Glass switches button



## Touch panels:

Control a wide range of units from one place - whether home lighting or room temperature.



## Remote control:

Everything can be controlled via a full-fledged remote control or for example, in the form of a simple key fob.

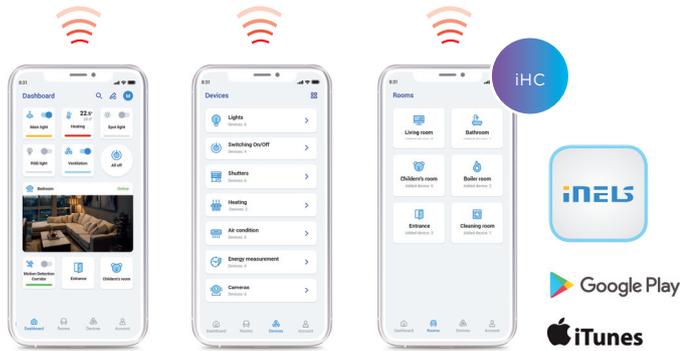


● works on iNELS RF Control

● works on iNELS BUS System

### iNELS application:

iNELS application with the possibility of intuitive operation and modern design is available for mobiles and tablets.



### Voice control:

Whatever you want, just say it. Our system is fully integrated with Google Home or Amazon Alexa.



### TV applications:

Television is no longer just used to watch television programs - now we can use it to control our household.



Link to download iNELS Smart TV application:



### Smart watch:

Switching appliances, dimming lights and controlling blinds can now also be controlled using a watch.



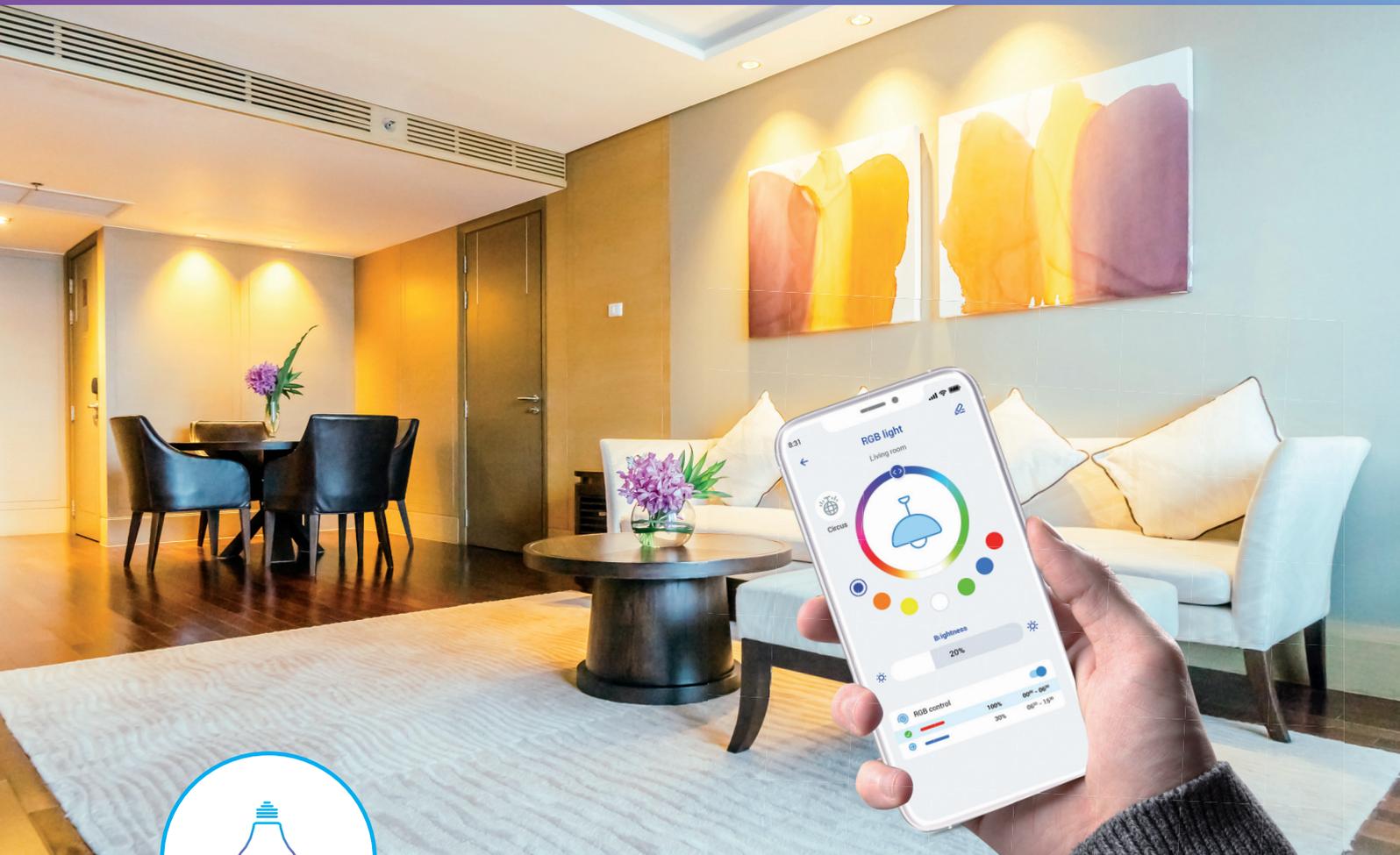
### Building Management Applications (BMS):

iNELS is fully compatible with these applications, which are used to monitor the operation of the entire system, receive alarms and notifications or evaluate historical data and graphs.



works on iNELS RF Control

works on iNELS BUS System



## LIGHTING

### One touch and great savings

Set the correct mode for each room. So you don't pay for rooms where there is no one. Light comfort where you need it.

### What you will appreciate:

- intensity setting and control (dimming function)
- setting light scenes
- automatic lighting according to the intensity of outdoor light
- lighting based on motion detection
- presence simulation



Classic bulb

LED bulb

Halogen spot

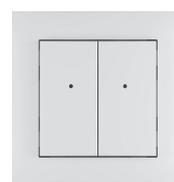
LED spot

Communication protocol

Energy saving bulb

Strip, 1-colour

RGB strip



On-wall button controller



Glass touch controller



Universal dimmer



Control unit with touch screen



## BLINDS CONTROL, SHUTTERS

Light, warmth, safety

Controlled shading brings light and temperature comfort to living rooms and offices. Automatic adjustment of blinds and shutters depending on sunlight and temperature saves you time and energy.

### What you will appreciate:

- automatic mode depending on sunlight and temperature
- significant time and energy savings
- possibility of time schedules
- simple operation with buttons
- presence simulation



On-wall button controller



Glass touch controller



Control unit with touch screen



RF Key



## HEATING REGULATION, VENTILATION AND AIR CONDITIONING

### Lower energy bills

Do you want to achieve the right thermal comfort and optimize energy consumption? You can automatically control the temperature in the interior based on a time schedule or the presence of people and identify scenarios. e.g. open windows, no unnecessary heating.

### What you will appreciate:

- automatic temperature control according to a time schedule or the presence of people
- identification of open windows and unnecessary overheating
- quick temperature setting function
- zone setting of heating and air conditioning
- remote heating control function



Heating



Ventilation



Air conditioning



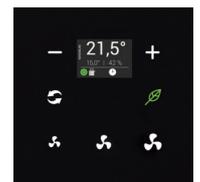
Wireless thermodrive



Temperature controller



Control unit with touch screen



Glass room thermo-regulator



## ENERGY MEASUREMENT

Expenditure under control

All the data on your consumption is always available. It's up to you how you deal with it. You can optimize expenses and protect the environment.

What you will appreciate:

- overview of energy, gas and water
- view of immediate consumption
- long-term statistics and reports
- intuitive application



iNELS application



System iNELS



## SAFETY

Protection against all kinds of dangers

It's not just about personal monitoring and camera surveillance. But also about checking electrical appliances or plumbing right in the house. We will simply help you achieve the peace you desire.

What you will appreciate:

- water level detection
- motion detection
- checking open windows and doors
- event notification to mobile phone
- remote monitoring



Window / Door detector



Motion detector



Combined motion, temperature, humidity and light intensity detector



Flood detector



## DOOR INTERCOM, CAMERAS

Whenever you need to, you know what's going on outside the door

Get a perfect overview. About who's ringing, who's moving around the house. Who has called and an uninvited guest.

What you will appreciate:

- communication inside the house itself
- remote communication with a mobile phone
- camera system with notifications
- ability to respond to incoming even if you are not at home
- remote door opening



Intercom  
HIK VISION



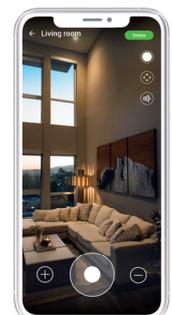
Intercom  
2N



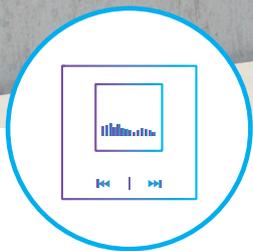
Camera



LARA Intercom



iNELS application



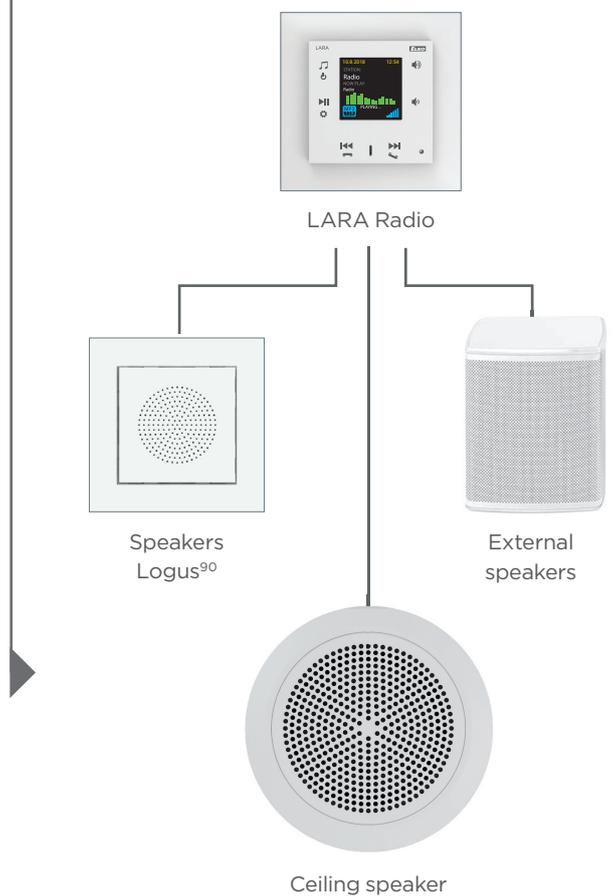
## MULTIMEDIA

### Unlimited entertainment options

Stream Internet radio or music from a central repository. Listen to music wherever you move. Have fun with the possibilities that technology brings.

### What you will appreciate:

- internet radio
- play audio from storage
- clear control from panels or mobile phone
- easy installation
- Spotify, Tuneln





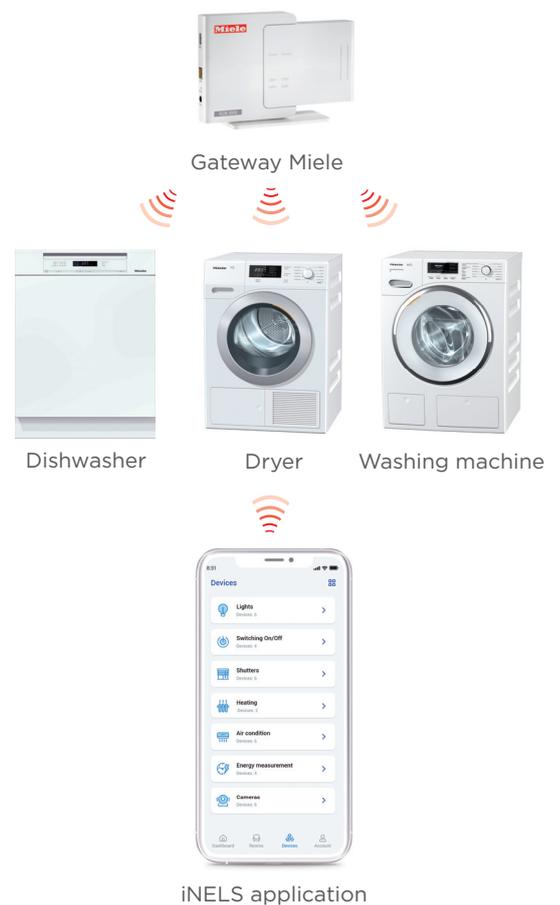
## APPLIANCE CONTROL - NOT JUST DOMESTIC ONES

Connect information from different devices

The fridge, washing machine and oven can already do great things. Do a piece of work you don't have to do, and let you know at the right time.

What you will appreciate:

- connecting the house to other smart technologies
- clear control from various devices
- smart notifications and statuses
- well-being and comfort that you did not know before



# WIRELESS SYSTEM

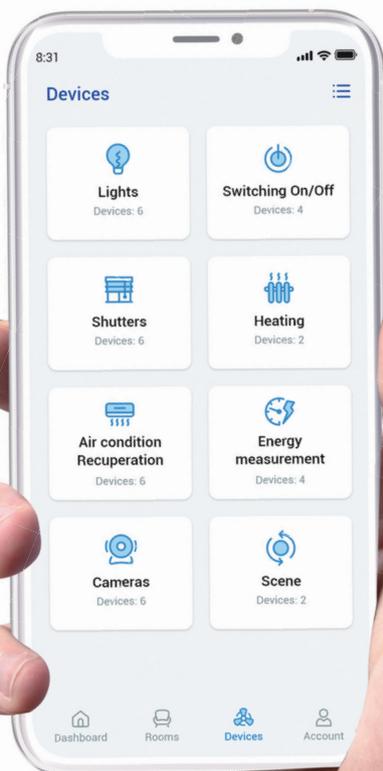
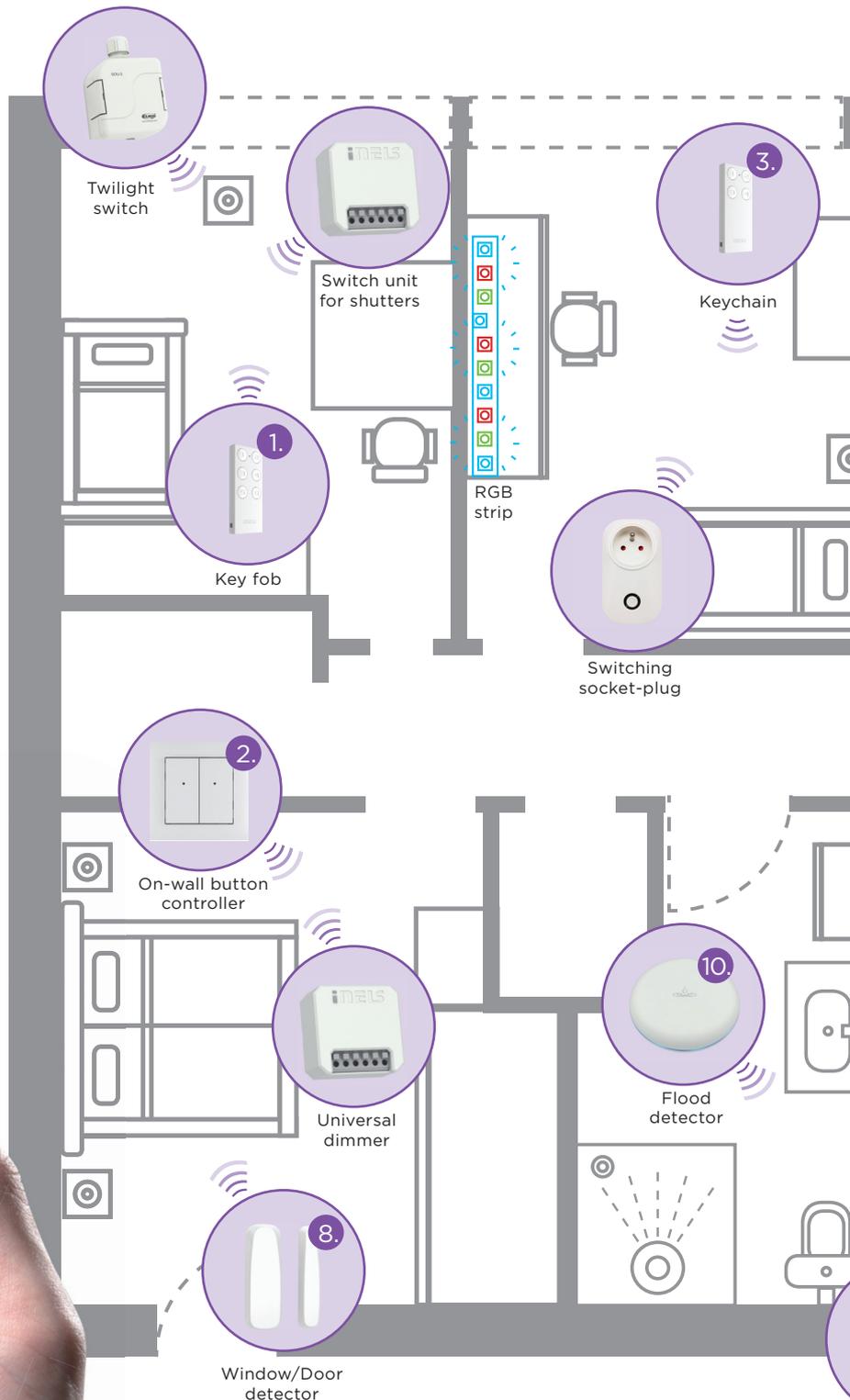
## EXAMPLE OF EQUIPMENT AND WIRING

1.

Possibility to control blinds with local controller or light detector (dawn/dark). With the possibility to combine with a fixed schedule.

2.

Lighting intensity control and selection of light scenes. In the picture, the dimming of the light is controlled by a wall controller.



3.

Remote control for various devices. For example, RGB tapes or dimmable drawers.

4.

Central control of the device in the room using the RF Touch wall panel and touch controls.

5.

Smart eLAN box for storing data and pre-set scenarios. With the possibility of controlling the house by phone, tablet or smart TV.

6.

The wall thermostat can control radiators or a central heating source. Pictured in direct communication with a smart thermal head.

7.

Internet radio and multimedia player LARA also with the possibility of connecting to a home intercom.

8.

Magnetic detector for detecting the opening of a window or door.

9.

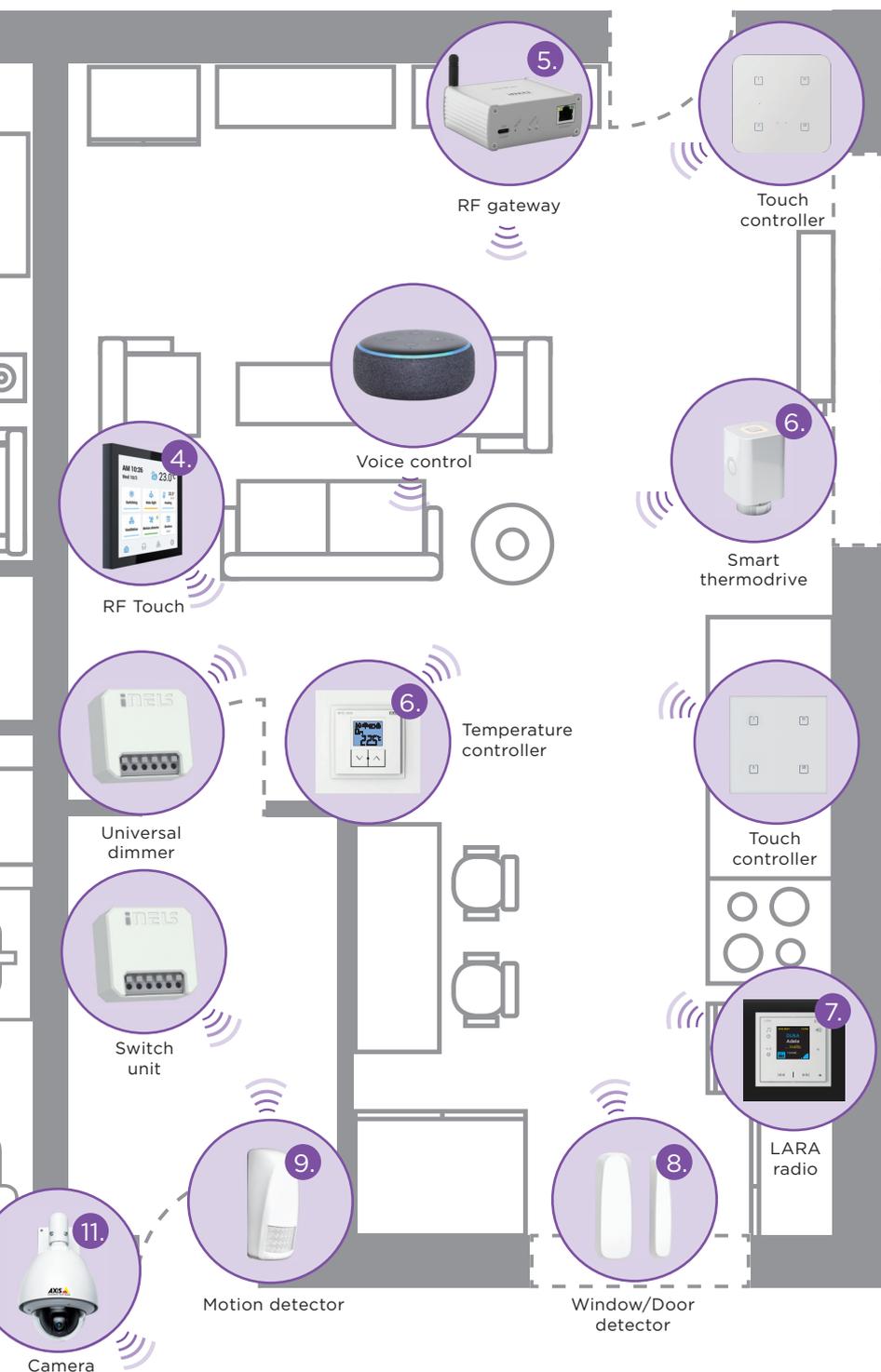
The motion detector can activate various systems and devices. Pictured in combination with a light switching component.

10.

Flood detector to indicate water from an overflowing tub or cracked water hose.

11.

Security camera to protect the home, office and building.



# BUS SYSTEM

## EXAMPLE OF EQUIPMENT AND WIRING

1.

Control of blinds by local controller or light detector (dawn/dusk). With the possibility to combine with a fixed schedule.

2.

The dimmable RGB tape is controlled by a wall controller or a mobile application.

3.

Switchboard including central unit with power supply (A), switching actuators for lights and heated (B), dimming modules for lights and RGB strips (C), switching actuators for blinds (D) and Connection server to connect the system to the Internet (E).

A. CU3-02M+BSP3-02M +PS-100

B. SA3-012M (lighting) + SA3-06M (heating)

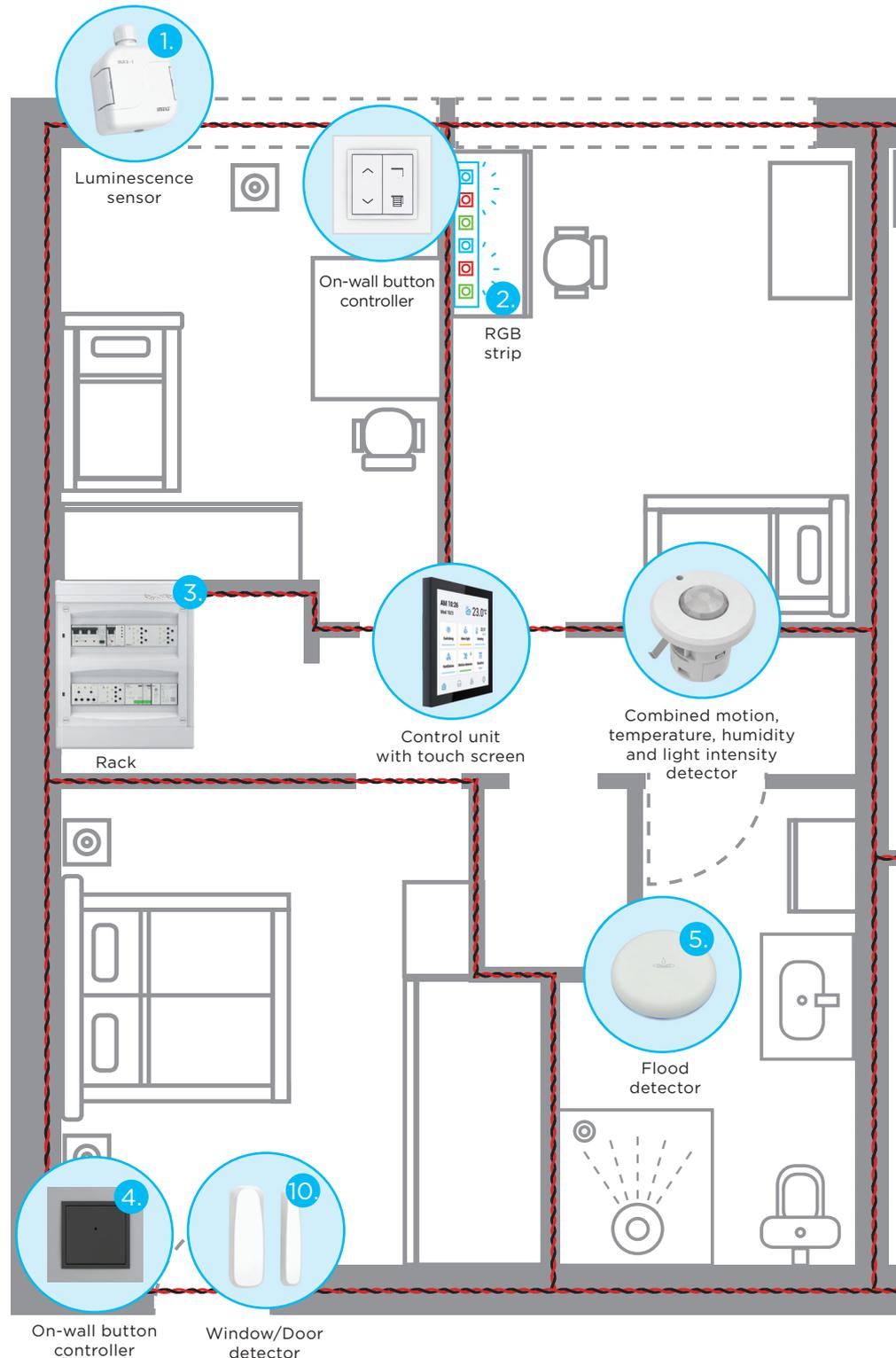
C. DA3-22M + RFDA-73M

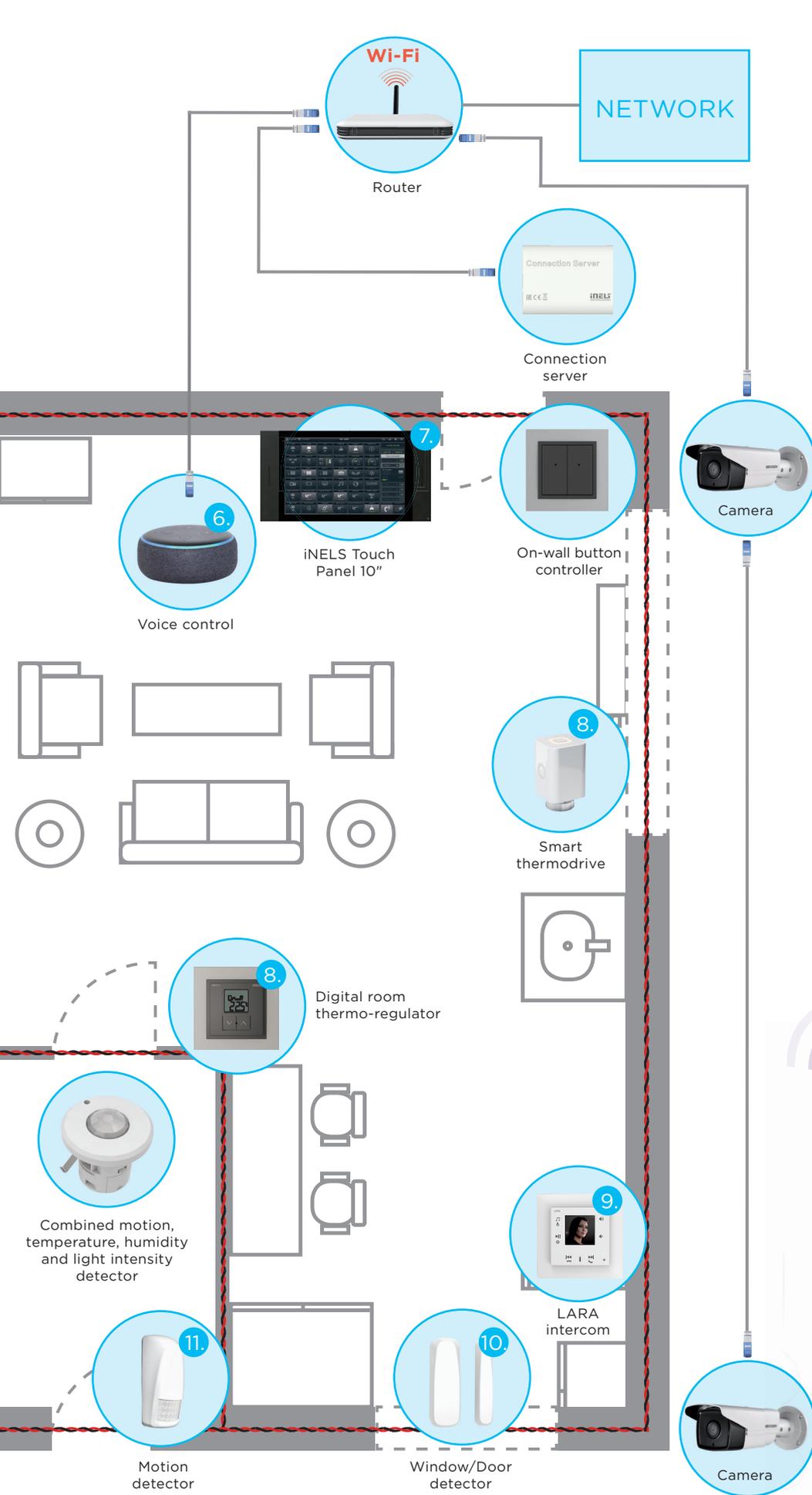
D. JA3-018M

E. Connection Server

4.

Lighting intensity regulation and light scene options. In the picture, the dimming of the light is controlled by a wall controller.





**5.** Flood detector to indicate water from an overflowing tub or cracked water hose.

**6.** Voice control of the system using Google HOME or Amazon Alexa.

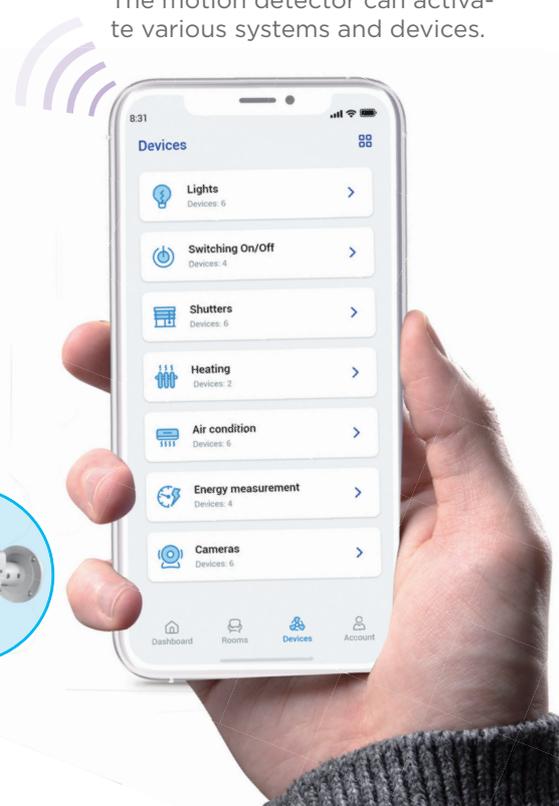
**7.** Wall Touch panel used to control all installed household devices.

**8.** The wall thermostat can control radiators or a central heating source. Pictured in combination with a smart thermal head.

**9.** Internet radio and media player. With the possibility to connect to a home intercom.

**10.** Magnetic detector for detecting the opening of a window or door.

**11.** The motion detector can activate various systems and devices.



## SAMPLE CALCULATION WIRELESS (RF) ELECTRO-INSTALLATION



### HOUSE ROOM 4+1

1 259 €

#### Common system units

1x eLAN-RF-103 smart RF box 92 €

#### Temperature regulation

3x RFSTI-11B Switch unit with a external temperature sensor (3 zones) 116 €

#### Control of appliances

1x RFSA-66M units, 6-channels (6) 138 €  
1x RFSA-61B switch unit, 1-channel 55 €

#### Safety

2x RFWD-100 window/door detector 96 €  
2x RFMD-100 motion detector 125 €

#### Lighting control

3x RFDEL-71B universal dimmer, 1-channel (3 zones) 228 €  
1x RFDA-73M/RGB dimming actuator for LED (RGB) strips, 3-channels 102 €  
2x RFWB-40 on-wall button controller 80 €

#### Shutters/blinds

2x RFJA-32B switch unit for shutters (2) 155 €  
2x RFWB-20 on-wall button controller 72 €

**Installation time - 1 working day only**

This price offer is only indicative; we will determine the exact price based on individual requirements and the method of connection. All prices are without VAT.

# SAMPLE CALCULATION WIRED (BUS) ELECTRO-INSTALLATION



## NEW HOUSE ROOM 4+1

2 772 €

### Common system units

1x CU3-07M central unit - miniCU	184 €
1x PS3-30/iNELS power supply	69 €
1x Connection server	207 €
1x EST3 control unit with touch screen	274 €

### Temperature regulation

1x SA3-06M switching actuator, 6-channels	180 €
4x TELVA thermodrive 230V, NC + adapter VA80	96 €
3x WSB3-40 wall switch button, 4 buttons	264 €

### Control of appliances

1x SA3-04M switching actuator, 4-channels	180 €
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### Safety - input module for detectors

1x IM3-140N binary input unit, 14-channel	178 €
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### Lighting control

1x DA3-22M dimming actuator, 2-channels	229 €
1x SA3-012M switching actuator, 12-channels	274 €
4x WSB3-40 wall switch button	352 €

### Shutters/blinds

1x RF Key wireless keychain	23 €
2x SA3-04M switching actuator, 4-channels	120 €
2x WSB3-20 wall switch button	142 €

This price offer is only indicative; we will determine the exact price based on individual requirements and the method of connection.

All prices are without VAT.

## GRMS SOLUTION FOR EACH HOTEL

### Let us introduce you the glass control innovation for the iNELS GRMS system.

After the successful introduction of the iNELS GRMS glass series, we have decided to bring its development a little further and offer a new solutions to those, who prefer rather round shapes. Along with the shape, we also changed the design of the icons, which you can choose according to your own preferences. The compact solution follows the latest trends. And just like the sharp controllers, it fits elegantly into every possible environment, whether it is a hotel corridor (glass card readers) or the controller near the bedside table in your room (glass touch panels). Controllers are available in elegant black and white colour.



USA outlet



Multistandard outlet



Schuko outlet



French outlet



PIN outlet

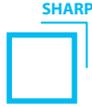


British outlet

 <b>21B</b> (20242)	 <b>26B</b> (20257)	 <b>22B</b> (20208)	 <b>23B</b> (20212)	 <b>24B</b> (20214)	 <b>25B</b> (20219)
 <b>21W</b> (20242.B)	 <b>26W</b> (20257.B)	 <b>22W</b> (20208.B)	 <b>23W</b> (20212.B)	 <b>24W</b> (20214.B)	 <b>25W</b> (20219.B)



RANGE OF GLASS **SHARP** CONTROLLERS



- ① **Glass card holder**  
GHC3-31
- ② **Glass card reader**  
GCR3-11
- ③ **Glass room thermo-regulator**  
GRT3-50
- ④ **Glass bedside panel, 1 module**  
GSP3-60/xR/1F
- ⑤ **Glass switch button with symbols**  
GSB3-60/S
- ⑥ **Glass bedside panel, 2 module**  
GSP3-60/xR/2F
- ⑦ **Glass switch panel**  
GSB3-100

RANGE OF GLASS **ROUND** CONTROLLERS



- ① **Glass card holder and reader**  
GCH3-231
- ② **Glass card reader**  
GCR3-211
- ③ **Glass room thermo-regulator**  
GRT3-250
- ④ **Glass bedside panel, 1 module**  
GSP3-260/xR/1F
- ⑤ **Glass switch button with symbols**  
GSB3-260/S
- ⑥ **Glass bedside panel, 2 module**  
GSP3-260/xR/2F
- ⑦ **Glass switch panel**  
GSB3-2100

## INELS REFERENCES

**Since we began supplying iNELS, we have performed over 15,000 installations. Introducing a selection.**

A fully remote-controlled squash center in Hungary, a French raurant in Prague's Municipal House, a discotheque in Kiev, Ukraine, a summer residence on Mallorca and a myriad, of apartments and houses. You can find our systems installed and implemented in hundreds of locations across the globe.

We can introduce the iNELS system to various projects, whether it concerns the residential sector or commercial space.

### Smart Home & Building Solutions for



Flat



House



Building



Hotel



Shop



Wellness



Schoolroom



Office



Industry



## Museum Hermitage

St. Petersburg/Russia

- one of the world's most famous museums, based in St. Petersburg
- dimming of selected zones with DIM-6
- cooperating with wireless RFDAC-71B controller



## Mahmoud Jaber

Amman/Jordan

- complete control of 24 rooms including HVAC control, 18 zones iNELS Multimedia, LARA Intercom, videophone, irrigation
- iMM - Video zone player that allows you to control all system functions via the TV screen



## Magyar State Opera

Budapest/Hungary

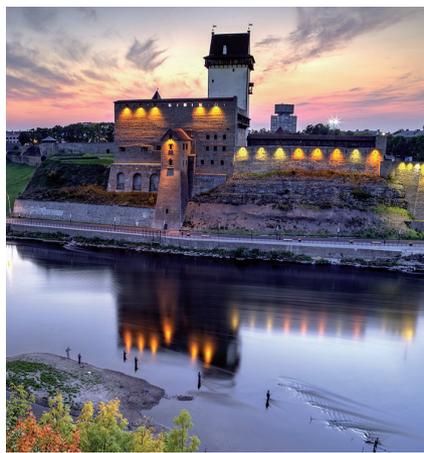
- every additional lighting source is controlled by iNELS system
- the devices here are controlled by RF Touch
- for switching the RFSA-11B and RFSA-66M is used



## Villa in Dubai

Dubai/SAE

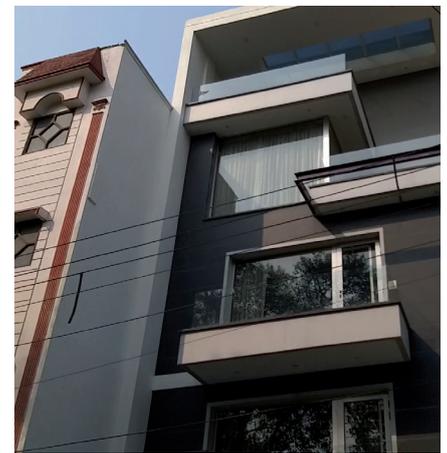
- home appliances integration
- communication through LARA Intercom
- garden irrigation control
- appliances control, blinds, shutters, lighting and cameras control



## Narva castle

Narva/Estonia

- lighting and dimming control, DALI
- control with glass controllers
- elements chosen so it does not interrupt the interior design of the castle



## Chauhanji's Residence

India

- used iNELS RF Control
- controlling the lighting by RFWB-40 wireless switches and the RFSA-61B multifunction switch units
- iNELS Home Control mobile app



## Rocks Hotel & Casino

Kyrenia, Cyprus

- 5-star hotel
- located close to historical city Kyrenia
- the lights are controlled by iNELS system via light panel, USB socket, glass thermostats



## Inter Power Ltd.

Sofia/Bulgaria

- smart RF System controls lighting, heating, security and CCTV
- separate relays for light circuits switch it on, off or dim
- eLAN-IR-003 allow remote control of A/C and presetting of work schedules



## Family house

Gabrovo/Bulgary

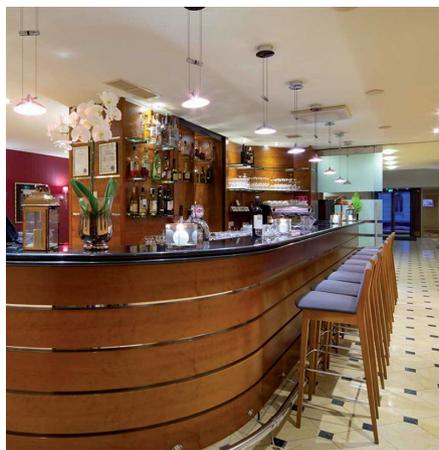
- fully equipped with iNELS Smart Home Control
- lighting, blinds, heating and ventilation control
- automatic garden lighting, irrigation, gutter and driveway defrosting



## Apartment in Brno

Brno/Czech Republic

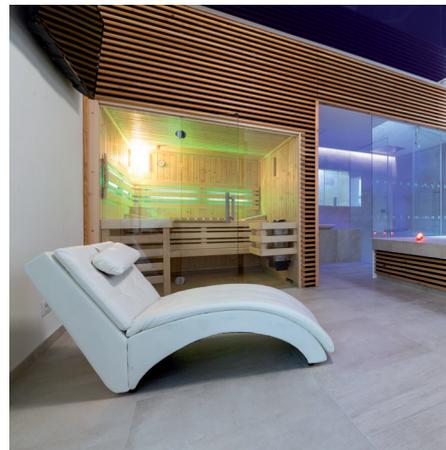
- energy savings due to lighting and heating control
- home appliances, blinds, shutters and cameras switching and control



## Radisson Ridzen Hotel

Riga, Latvia

- 7 lighting zones integrated in iNELS RF system
- sockets near beds for comfortable staying
- switches with laser-printed icons



## Arigone Hotel

Olomouc, Czech Republic

- intelligent installation iNELS
- Guest Room Management System with CU3-04M Hotel Bundle
- ready for communication with iNELS BMS



## Attic apartment

Prague/Czech Republic

- 6 dimmable, 25 switching lights installed
- shutters and blinds control
- individual heating control



## Nikola Tesla

Prague/Czech Republic

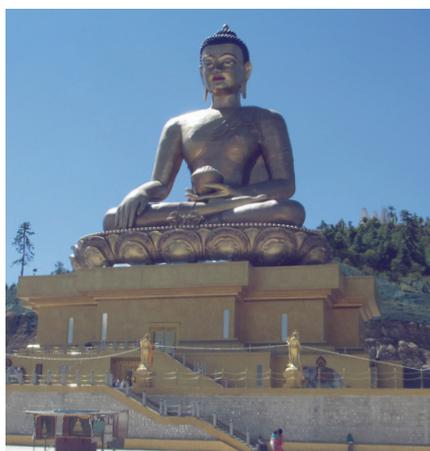
- security system with motion detectors or door openings
- fire system with smoke detectors and temperatures, access system
- with intercoms and card readers



## Villa in Beskydy

Beskydy/Poland

- iNELS BUS system
- weather station
- lighting scenes
- control by smartphone, tablet or touch panel



## Buddha Palace

Thimphu/Bhutan

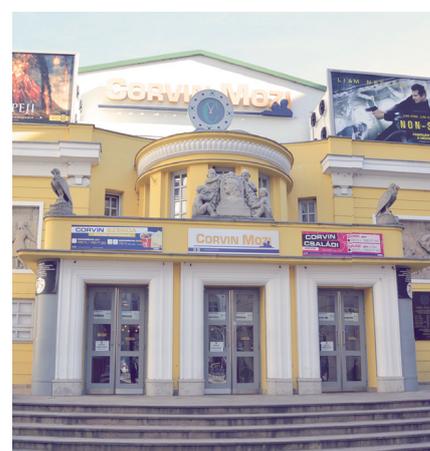
- lighting control of historical interior sections
- scenes light according to visitor presence
- security system



## Bodorka Aquarium

Balatonfüred/Hungary

- you can meet „face-to-face“ with all the fishes of the region
- iNELS controls all the lighting
- speciality: there are no switches on the walls at all. Every light can be controlled via the 2 mounted tablets



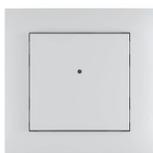
## Cinema Corvin

Budapest/Hungary

- 6 movie theaters
- DALI control LED matrix (800 lighting fixtures)
- projection scenes
- heating and A/C control

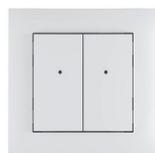
# INELS RF CONTROL: UNITS OVERVIEW

## Controllers



### RFWB-20/G

On-wall button controller  
- 2 buttons



### RFWB-40/G

On-wall button controller  
- 4 buttons

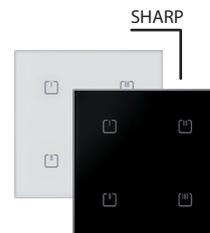


### RFOWB-20

Outdoor controller  
- 2 buttons



**RFGB-20/W** - white glass  
**RFGB-20/B** - black glass  
Glass touch controller, SHARP  
- 2 buttons



**RFGB-40/W** - white glass  
**RFGB-40/B** - black glass  
Glass touch controller, SHARP  
- 4 buttons



**RF KEY-40/W** - white  
**RF KEY-40/B** - black  
Controller - key fob  
- 4 buttons



**RF KEY-60/W** - white  
**RF KEY-60/B** - black  
Controller - key fob  
- 6 buttons



**RF Pilot/W** - white  
**RF Pilot/A** - anthracite  
Remote RF controller  
with display

## Switches



### RFSA-11B

Switch unit, 1-channel  
- 1 x 16 A, singlefunction



### RFSA-61B

Switch unit, 1-channel  
- 1 x 16 A, multifunction



### RFSA-62B

Switch unit, 2 channels  
- 2x 8 A, multifunction



### RFSAI-62B-SL

Switch unit, 2-channels  
with external input



### RFJA-32B-SL

Switch unit for shutters  
- 2 x 8 A

## Dimmers



### RFDAC-71B

Analog controller, 0(1)-10 V  
- multifunction



### RFDEL-71B

Universal dimmer,  
1-channel - 1 x 160 VA  
- R, L, C, LED, ESL



### RFDEL-71M

Universal dimmer,  
1-channel - 1 x 600 VA  
- R, L, C, LED, ESL



### RFDEL-76M

Universal dimmer,  
6-channels  
- 6 x 150 VA

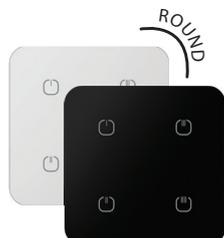


### RFDA-73M/RGB

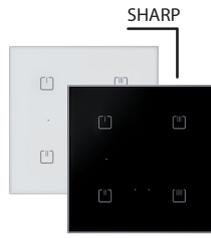
Dimming actuator  
for LED (RGB) strips,  
3-channels



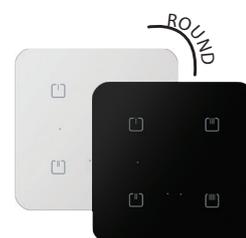
**RFGB-220/W** - white glass  
**RFGB-220/B** - black glass  
Glass touch controller, ROUND  
- 2 buttons



**RFGB-240/W** - white glass  
**RFGB-240/B** - black glass  
Glass touch controller, ROUND  
- 4 buttons



**RFDW-71/W** - white glass  
**RFDW-71/B** - black glass  
Glass touch controller  
with dimmer, SHARP



**RFDW-271/W** - white glass  
**RFDW-271/B** - black glass  
Glass touch controller  
with dimmer, ROUND



**RFSFA-61M** **RFSFA-61MI**  
Switching units, 1-channel  
- multifunction, 1x 16 A



**RFSFA-66M** **RFSFA-66MI**  
Switching units, 6-channels  
- multifunction, 6x 8 A



**RFUS-61**  
Unit with increased  
protection, 1x 12 A,  
multifunction



French



Schuko



British

**RFSC-71N**  
Switching socket-plug,  
- 1x 16 A, multifunction



**RFOSC-61**  
Switching sockets with  
increased protection



French



Schuko



British

**RFDSC-71**  
Dimming socket-plug  
- 1x 300 VA  
- R, L, C, LED, ESL

# iNELS RF CONTROL: UNITS OVERVIEW

## Temperature control



**RFTC-10/G**  
System temperature controller



**RFTC-50/G**  
Autonomous temperature controller



**RFSTI-11B**  
Switch unit with a external temperature sensor



**RFTI-10B**  
Temperature sensor (internal + external)



**TC TZ**  
Temperature sensors

## Converters



**RFSFA-166M**  
Switch unit for fancoil, 6-channels



**RFIM-20B**  
Input contacts converter – 2x permanent contacts



**RFIM-40B**  
Input contacts converter – 4x instantaneous contacts



**RFSFG-1M**  
Input contact converter – 1x permanent contact

## Detectors



**RFSF-1B**  
Level switch

## System units



**RF Touch-B**  
Wireless touch unit – flush mounted



**RF Touch-B**  
Wireless touch unit – on the wall



**eLAN-RF-103**  
Smart RF gateway with LAN



**eLAN-RF-Wi-103**  
Smart RF gateway with LAN & WiFi



**RFRP-20N**  
Repeater to extend the range

## Accessories



**RFAF/USB**  
Service Key



**AN-I**  
Internal antenna  
Gain: 2.1 dBi



**AN-E**  
External antenna  
Gain: 5 dBi



**AN-E3**  
External antenna  
Gain: 3 dBi, IP67



**NEW**  
Extension cable for external antenna  
10 m

**Fancoil regulation**



**TELVA-2**  
Thermodriven  
ON/OFF, 0-10V



**RFTV-2**  
thermo-valve



**RFTC-150/G**  
Temperature  
controller



**RFSAI-161B**  
Lighting control unit  
with pair detectors  
and external button input



**RFSTI-111B**  
Overheating/overcooling  
switch unit with advanced  
functions



**FP-1**  
Liquid probe



**RFSF-100**  
Flood detector



**RFSOU-1**  
Twilight switch



**RFWD-100**  
Window/Door detector



**RFMD-100**  
Motion detector

**Supported video cameras**



Protocols MJPEG, RTSP, ONVIF

**Supported intercoms**



2N

HIK VISION

# iNELS BUS SYSTEM: UNITS OVERVIEW

## System units



**CU3-05M**  
Central unit



**CU3-06M**  
Central unit



**CU3-07M**  
Central unit - miniCU



**MI3-02M**  
External master BUS

## Switching actuators



**SA3-04M**  
Switching actuator,  
4-channels



**SA3-06M**  
Switching actuator,  
6-channels



**SA3-012M**  
Switching actuator,  
12-channels



**SA3-022M**  
Switching actuator,  
22-channels

## Dimming actuators



**DA3-22M**  
Universal dimming  
actuator, 2-channels



**DA3-66M**  
Dimming actuator,  
6-channels



**LBC3-02M**  
Dimming actuator  
for electronic ballasts,  
2-channels



**RFDA-73M/RGB**  
Dimming actuator  
for LED (RGB) strips,  
3-channels

## Input units and converters



**FA3-612M**  
Fan Coil Control  
actuator



**IOU3-108M**  
Combined actuator  
with 10 inputs, 8 outputs



**IM3-140M**  
Binary input unit,  
14-channels



**IM3-40B**  
Binary input units



**MI3-02M/ETH**  
External master BUS with  
Ethernet communication



**BPS3-01M**  
**BPS3-02M**  
BUS separator  
from power supply



**PS3-100/iNELS**  
Power supply



**PS3-30/iNELS**  
Power supply



**EA3-022M**  
Switching actuator,  
22-channels



**SA3-01B, SA3-02B**  
Switching actuator,  
1-channel and 2-channels



**JA3-02B/DC**  
Roller (shutter)  
actuator, 2-channels



**JA3-018M**  
Roller (shutter) actuator,  
18-channels



**EMDC-64M**  
Gateway iNELS -  
DALI/DMX



**DLS3-1**  
Luminescence  
sensor



**DMD3-1**  
Combined motion,  
temperature, humidity  
and light intensity detector



**IM3-80B**  
Binary input units



**TI3-40B**  
Temperature input,  
4-channels



**TI3-60M**  
Temperature input,  
6-channels



**ADC3-60M**  
Analog-digital  
converter



**DAC3-04M**  
Digital-analog  
converter

# iNELS BUS SYSTEM: UNITS OVERVIEW

## Wall units and controllers



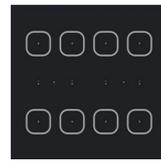
**EST3**  
Control unit  
with touch screen



**GSB3-40**  
Glass switch button



**GSB3-60**  
Glass switch button



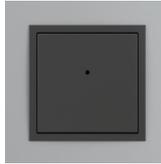
**GSB3-80**  
Glass switch button



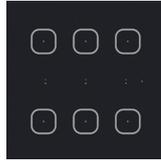
**WSB3-20**  
**WSB3-20H**  
Wall switch button,  
2 buttons



**WSB3-40**  
**WSB3-40H**  
Wall switch button,  
4 buttons



**WMR3-21**  
Wall card reader



**GMR3-61**  
Glass wall card  
reader

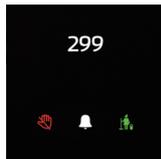


**IDRT3-1**  
Digital room  
thermo-regulator

## Hospitality solution



**GCR3-11**  
Glass card reader



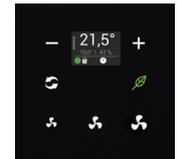
**GDB3-10**  
Glass door bell  
(info panel)



**GCH3-31**  
Glass card holder



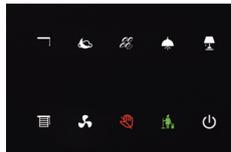
**EHT3**  
Hotel control unit  
with touch screen



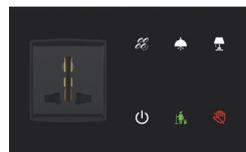
**GRT3-50**  
Glass room  
thermo-regulator



**GSB3-60/S**  
Glass switch button  
with symbols



**GSP3-100**  
Glass switch panel



**GBP3-60/xL/1F**  
Glass bedside panel, left



**GBP3-60/xR/1F**  
Glass bedside panel,  
right

## Multimedia



**iTP 10"**  
iNELS Touch Panel 10"



**LARA Radio**  
Internet radio player



**LARA Intercom**  
Multifunctional communications devices



**Connection Server**  
Server for integration of third parties

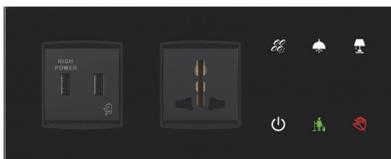
## Converters



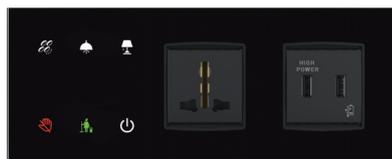
**eLAN-IR-003**  
Ethernet-IR transmitter



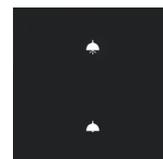
**eLAN-RS485/232**  
Converter RS485/232-iNELS



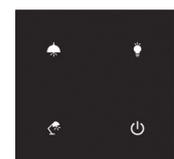
**GBP3-60/xL/2F**  
Glass bedside panel, left



**GBP3-60/xR/2F**  
Glass bedside panel, right



**GSB3-20/S**  
Glass switch button with symbols



**GSB3-40/S**  
Glass switch button with symbols

## iNELS App



Also available for tablets

## Accessories



**TELVA-2 230V,  
TELVA-2 24V**  
Thermodrives

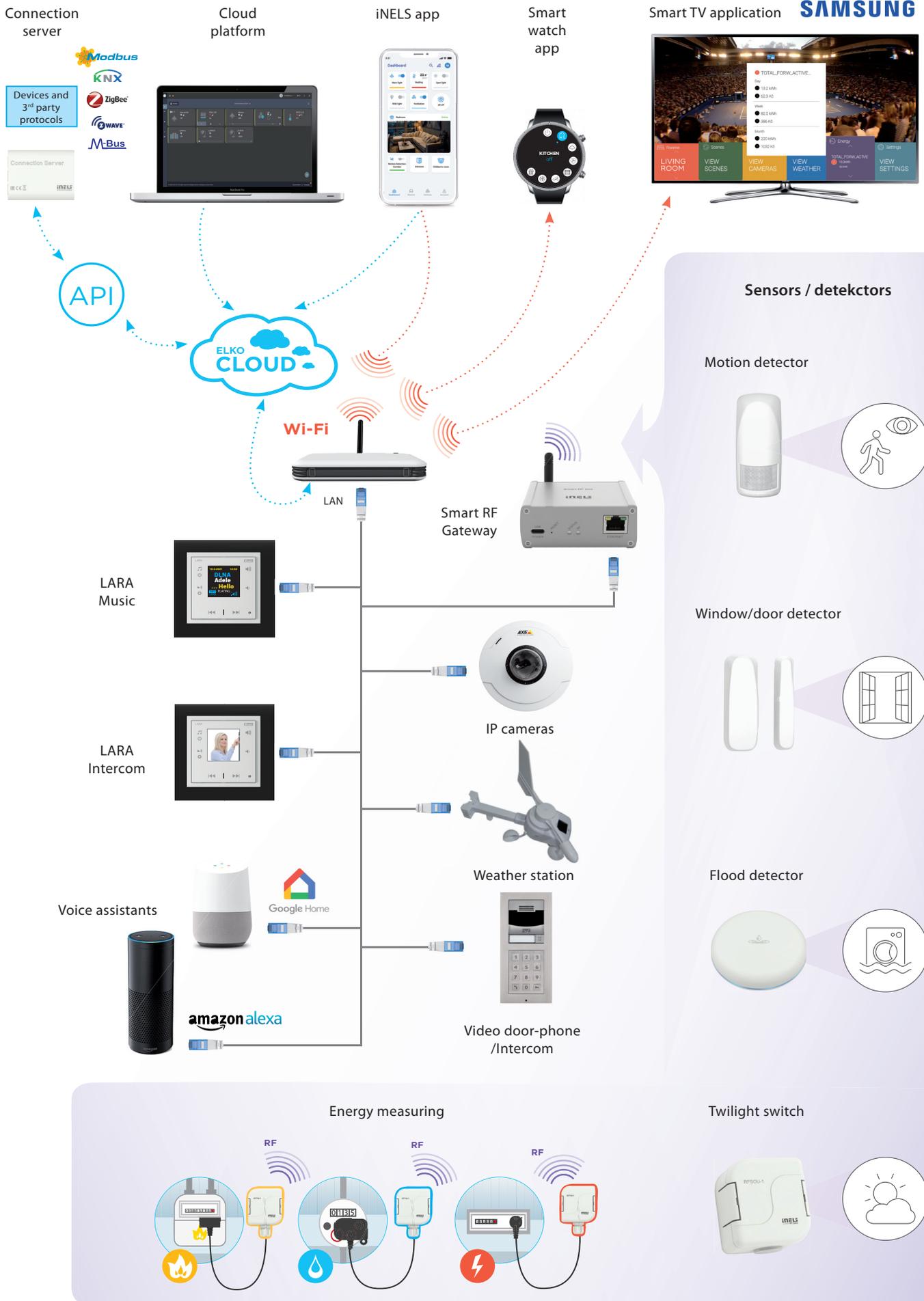


**AN-I  
AN-E**  
Internal antenna  
External antenna



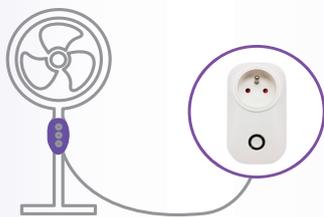
**TC  
TZ  
Pt100**  
Thermo sensors

# SCOPE ARCHITECTURE



**Actuators**

**Controllers**



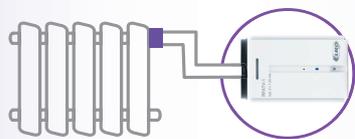
Switching socket



Universal dimmer  
R - L - C - LED - ESL



Switch unit  
for shutters



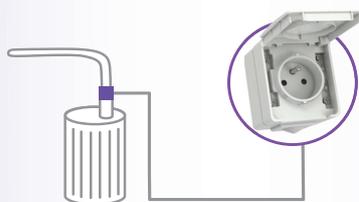
Thermovalve



Switch unit  
6-channels



Analog controller  
0(1)-10V



Switching socket  
with increased  
protection



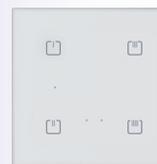
Switch unit  
for outdoor use



On wall  
button



Glass  
touch



Glass touch  
with dimmer



RF Pilot  
with display

Key fob



Contact  
converter



Outdoor  
2-buttons  
controller  
with increased  
protection

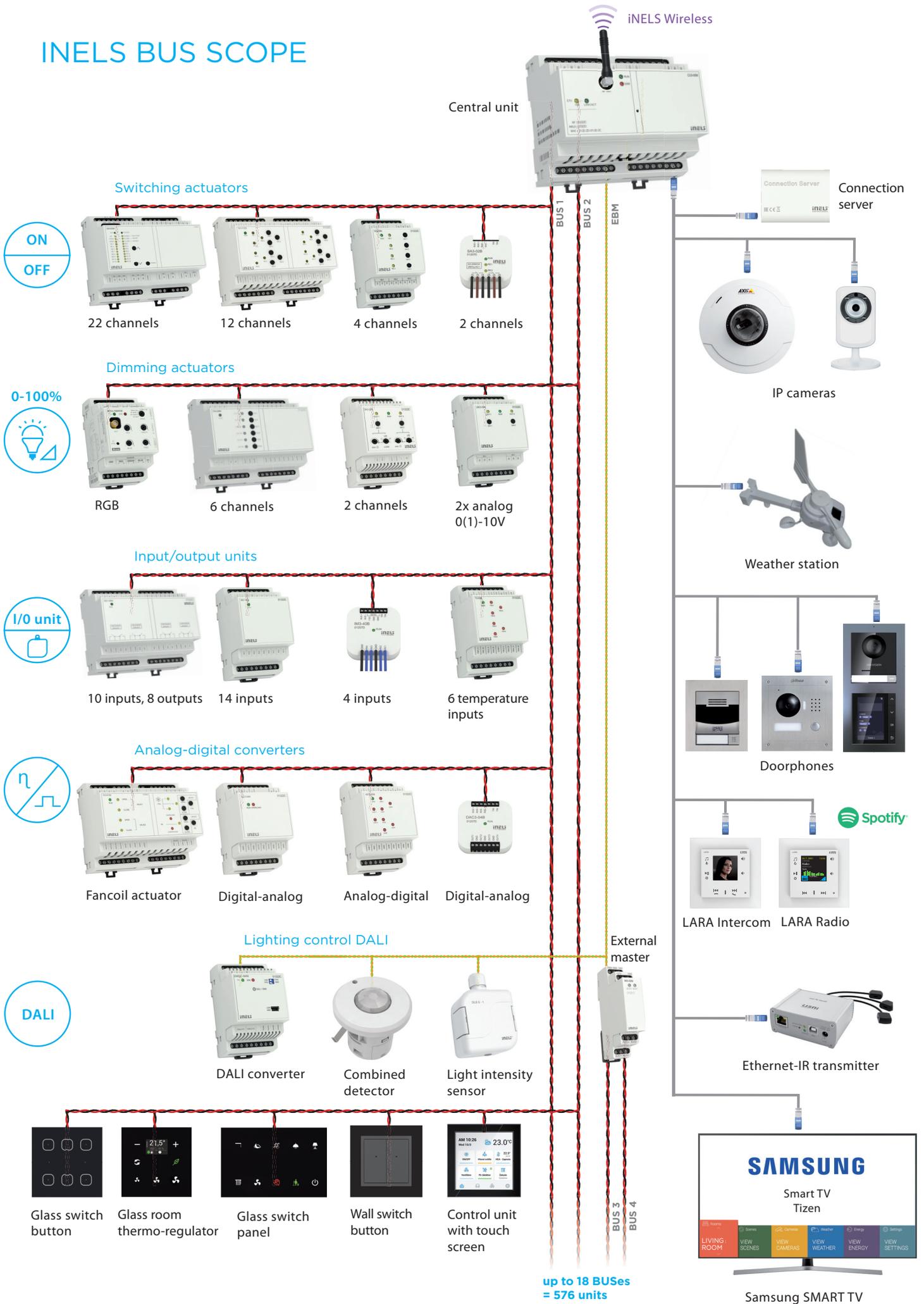


Wireless  
touch unit



Temperature  
controller

# INELS BUS SCOPE



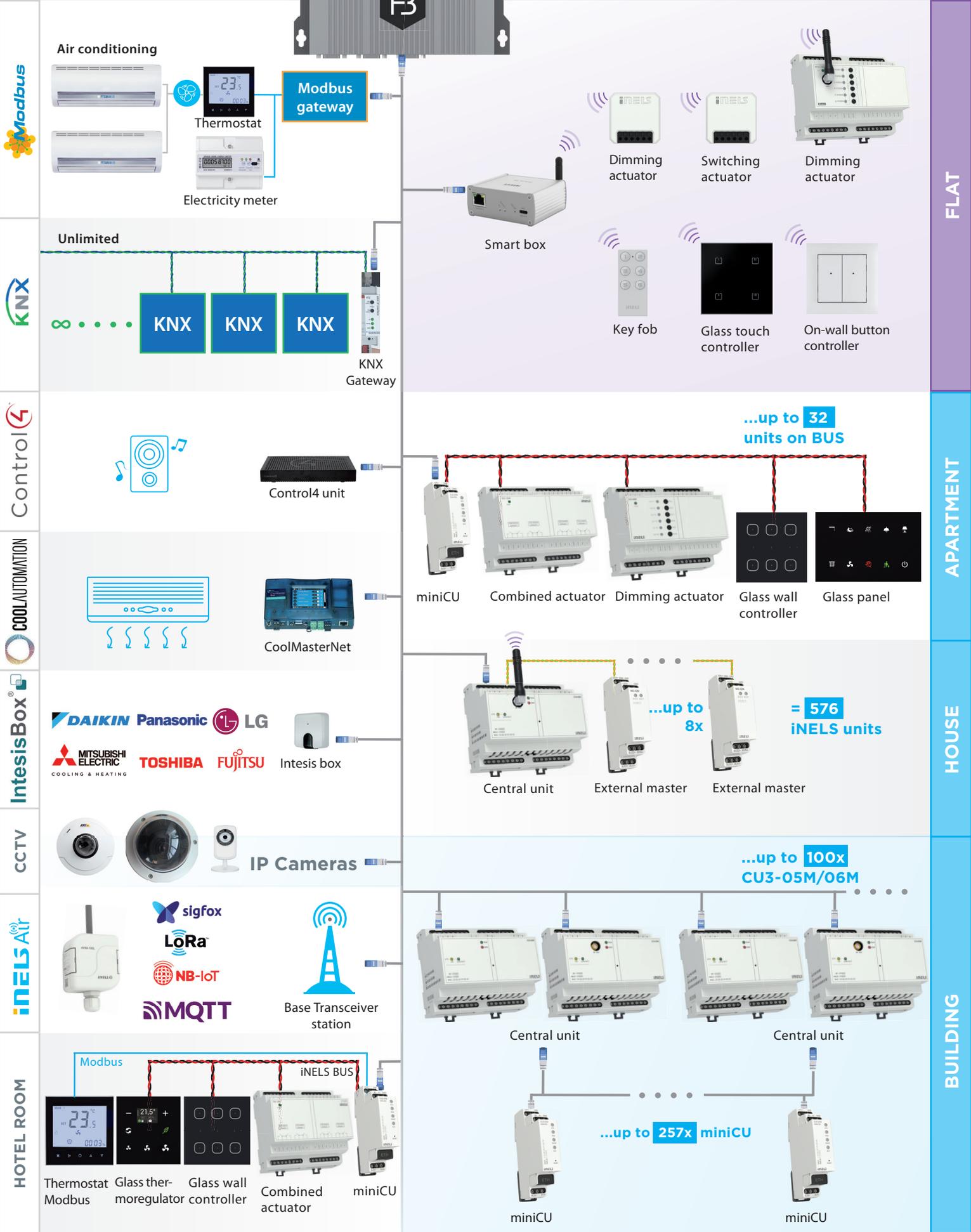
up to 18 BUSes  
= 576 units

Samsung SMART TV

**FLOWBOX**

**3RD PARTY INTEGRATION**

**INELS INTEGRATION**



FLAT

APARTMENT

HOUSE

BUILDING

# iNELS APP

Replaces the original application:

- iNELS Home Control Mobile and iNELS Home Control Tablet (for CU3 series and Connection Server)
- iNELS Home RF Control (for eLAN-RF)
- iNELS Home Control IR Mobile (for eLAN-IR)
- LARA Dio (for LARA player)

and combines them into one.

This revolutionary application allows not only the control of all the above devices and elements, but also the setting of simple events (scenes) directly by the user - across iNELS systems.

It also integrates the control of 3rd party devices (cameras, intercoms, home appliances). Allows direct connection to the device or connection via iNELS. Cloud, including voice assistant control.

New features are configurable notifications, an optional dashboard or definable roles (rights) for individual users.



Google Play

iTunes

## Electroinstallation

iNELS<sup>®</sup>  
RF Control

iNELS<sup>®</sup>  
BUS System



HVAC



Audio



3<sup>rd</sup> party



Energy management



Voice assistants



Others

Lighting control  
Garage doors and gates  
Switching appliances  
RGB bulbs and LED strips  
Scenes  
Detectors/sensors

Heating  
Air conditioning  
Recuperation

LARA  
NAS

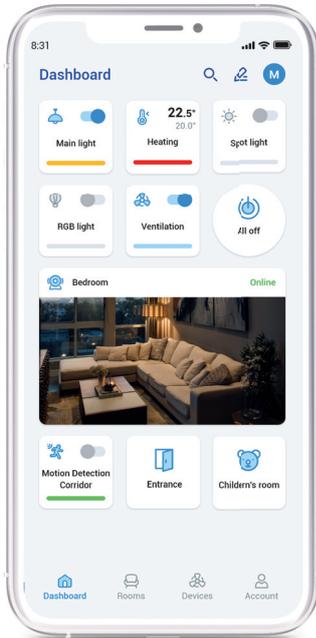
Cameras  
Weather station  
Intercoms  
Home appliances

Energy dashboard  
History report (charts & graphs)

Google Home  
Amazon Alexa

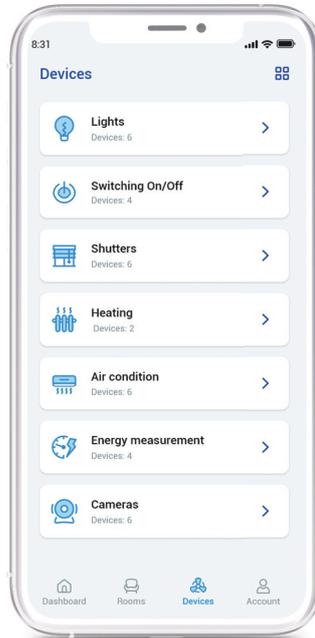
Automation  
Notification  
Widgets  
Favourites/overview  
Log history  
eLAN-IR  
Geolocation  
Weather data  
Conrad Connect  
Users management

	Silver	Gold	Platinum
Lighting control	✓	✓	✓
Garage doors and gates	✓	✓	✓
Switching appliances	✓	✓	✓
RGB bulbs and LED strips	✓	✓	✓
Scenes	✓	✓	✓
Detectors/sensors	✓	✓	✓
Heating	✓	✓	✓
Air conditioning	✗	✓	✓
Recuperation	✗	✓	✓
LARA	✗	✓	✓
NAS	✗	✗	✓
Cameras	✓	✓	✓
Weather station	✗	✓	✓
Intercoms	✗	✓	✓
Home appliances	✗	✗	✓
Energy dashboard	✗	✓	✓
History report (charts & graphs)	✗	✗	✓
Google Home	✓	✓	✓
Amazon Alexa	✓	✓	✓
Automation	✗	✓	✓
Notification	✓	✓	✓
Widgets	✓	✓	✓
Favourites/overview	✓	✓	✓
Log history	✗	✓	✓
eLAN-IR	✗	✓	✓
Geolocation	✗	✓	✓
Weather data	✗	✓	✓
Conrad Connect	✓	✓	✓
Users management	✓	✓	✓



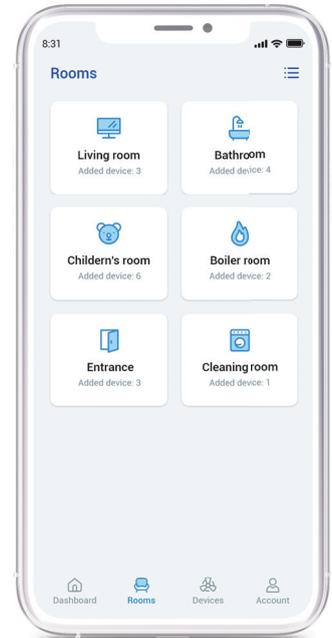
### Overview

Absolute control over the state of all technologies.



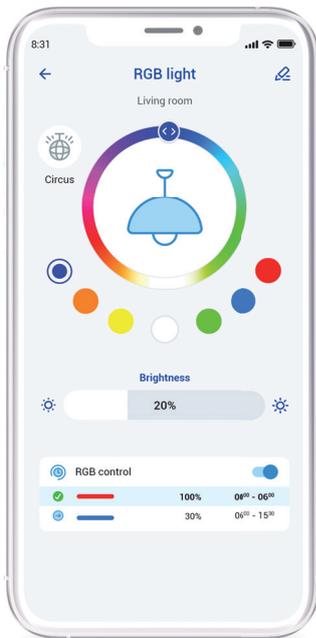
### Device list

Control the device from anywhere.



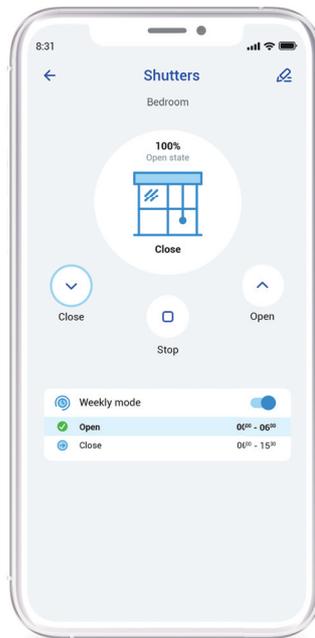
### Rooms management

Settings according to individual rooms.



### Colour setting

Easy adjustment of the light scene with one touch - switching, dimming, colour.



### Shutters/Blinds

Possibility of individual or joint control of shading technology.



### Temperature

You can set the temperature in each room exactly as you like.

# DO YOU WANT TO KNOW MORE ABOUT OUR SOLUTIONS?



More information not only about our wireless and wired solutions:  
<https://www.elkoep.com/catalogs-and-brochures>

DOWNLOAD  
<https://www.elkoep.com/download>

TECHNICAL SUPPORT  
**+420 573 514 242**

## TECHNICAL CATALOGS



Wireless (RF) electro-installation



Wired (BUS) electro-installation



Modular electronic devices

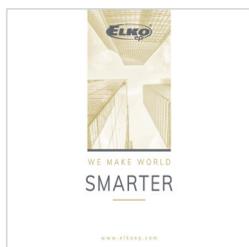


Switches and sockets



Product overview

## BROCHURES



We make World smarter



Smart Pole



Smart Home & Building Guide



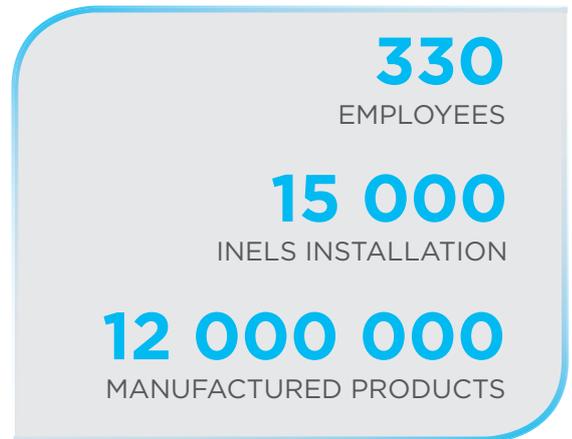
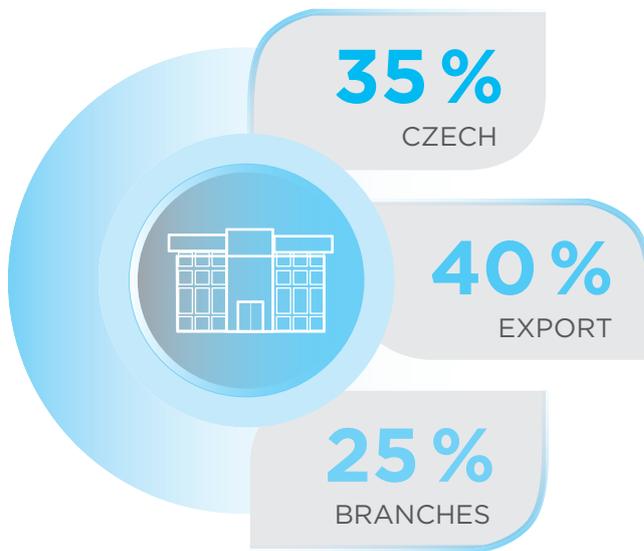
LARA... A media player in the switch



iNELS for everything, everywhere



## FACTS AND STATS

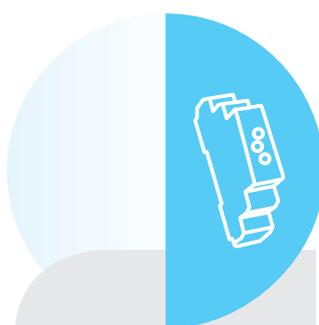


## WE ARE



### DEVELOPERS

In the new R&D center, more than 30 engineers develop new products and extend the functionality of existing products.



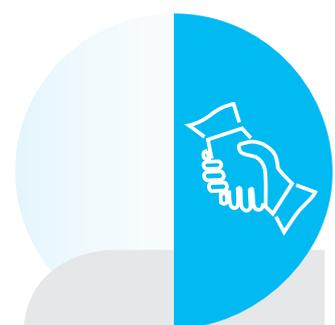
### PRODUCERS

Modern antistatic spaces, 2x fully automated SMD production lines, 2 shift operations.



### SUPPORT

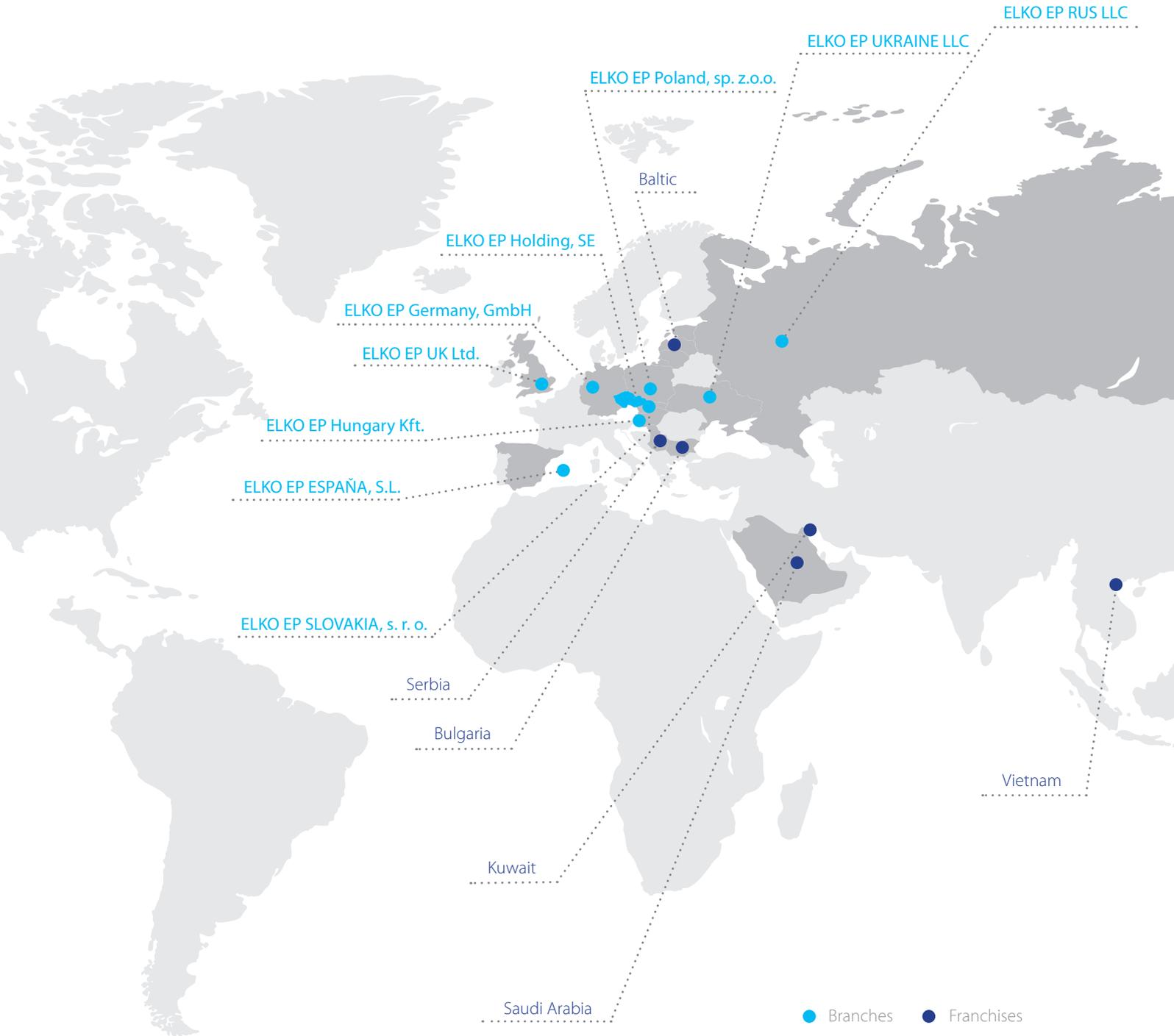
24 hours/7 days/360 days we not only provide technical support but also logistics.



### SELLERS

Personal access to more than 70 sales representatives in ELKO EP Holding provides impeccable services and superior products at an affordable price.

# ELKO EP Holding



[www.elkoep.com](http://www.elkoep.com)

Published: 06/2021 | 1st edition  
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