HOSPITALITY SOLUTION
for new & existing hotels

iNELS ®

30 **years**
of innovations

30
years
of innovations

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.

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.
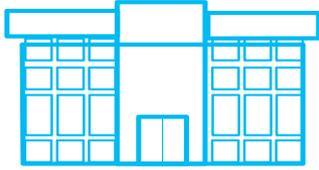
iNELS®

30 %	40 %	30 %
Czech	export	branches

WORLDWIDE

11 branches
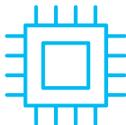6 franchises
70 export countries

350

employees
in holding

30 000 +

iNELS
installations

30 000 000 +

manufactured
products

R&D

continuosly
innovative

MANUFACTURER

fully automated
complete proces

SUPPORT

24 / 7 / 365

World leader
in DIN rail relays production

You'll feel right at home

ELKO EP develops and supplies the third generation iNELS Hospitality system - which means a system according to the latest trends and requirements for design and function. The iNELS GRMS bus system is designed for new hotel rooms and the iNELS HRESK wireless system for existing hotel rooms and retrofits.

Regardless of whether it is a new or existing room, the iNELS system offers unlimited possibilities to configure functions and devices in the hotel room. It is not only possible to customise the design of the controllers to the interior of the room, choosing plastic or natural frames from the wide range of Logus90 or directly selecting glass or metal controllers.

Savings

The occupancy presence function ensures that all the lights are switched off and the temperature is reduced to energy-saving mode. This can achieve unprecedented savings throughout the hotel.

Automation

Functions happen automatically in the background without disturbing the guest. An open window sensor blocks the thermostat, a PIR detector controls lighting and temperature.

Design

Whether you choose from the range of natural Logus frames, quality glass panels or luxurious metal buttons, you'll always have the option of colour combinations.

Customization

Thanks to direct source from the manu-facturer, you can define colours, shapes, icons or button text, including your hotel logo. We can also prepare factory pre-pro-grammed packages for plug and play use.
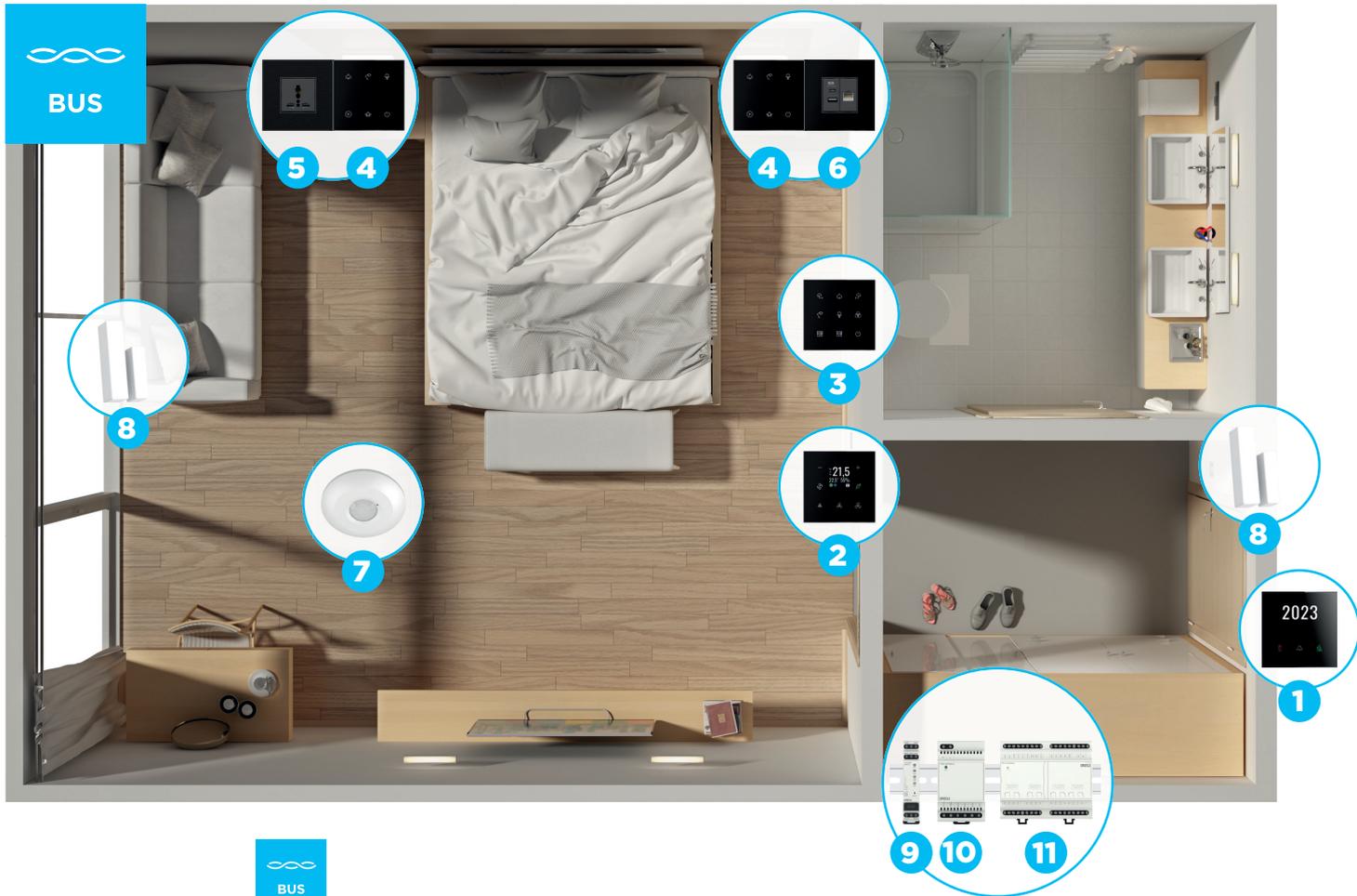
Integration

Cooperation with door locks and hotel reception software is a matter of course. Information about room occupancy, service or cleaning requests is exchanged. Everything happens automatically.

Versatily

iNELS Hospitality is suitable for all types of hotels, regardless of the number of stars. It can be conveniently expanded or changed at any time. The wireless and fieldbus systems interact with each other.

NEW ROOM – GRMS

BUS

Control	•
Lighting	•
Temperature	•
Access	•
Curtains	•
Courtesy	•
Audio	•
TV integration	•
Occupancy	•
Controllers	•
Plastic	•
Glass	•
Metall	•
Touch	•
Integration	•
PMS	•
HRS	•
iNELS App	•
Access/Lockers	•

1 Glass card reader
GCR3-30

2 Glass room thermo-regulator
GRT3-70

3 Glass switch panel – 9 buttons
GSB3-90S

4 Glass switch panel with symbols – 6 buttons
GSB3-60/S

5 AC power multistandard socket
GSS3-PMS

6 USB/LAN socket panel
GSS3-USB/LAN

7 Ultra slim PIR motion detector
PMS3-01

8 Door/window wired contact

9 Central unit
CU3-10M, MODBUS & MQTT gateway

10 Power supply
PS3-30/iNELS

11 Room controller with DALI dimmer
RC3-610M/DALI

DIN RAIL PANEL

Wireless

Control	•
Lighting	•
Temperature	•
Access	•
Curtains	•
Courtesy	•
Audio	–
TV integration	•
Occupancy	•

Controllers	•
Plastic	•
Glass	•
Metall	×
Touch	•

Integration	•
PMS	•
HRS	•
iNELS App	•
Access/Lockers	•

1 Infront of door hotel room unit
RFBS-30/S, 24V/230V powered

2 Glass touch controller with symbols
RFSW-62/S, 24V/230V powered, MQTT gateway included

3 Glass touch thermostat for fancoils
RFTC-3, 230V powered

4 Motion detector for ceiling mounting
RFMD-200, battery powered

5 Window/door detector
RFWD-100, battery powered

6 Glass touch controller, 4 buttons
RFGB-40, battery powered

7 Switch unit, 2 channels
RFSAI-62B-SL, 230V powered

8 DALI controller, 4 DALI balast
RFDALI-04/B-SL, 230V powered

WIFI/MQTT to PMS

Look how HRESK works

7

## Classic with a touch of nature

The WSB3 full-screen pushbutton controllers bring a wide range of colour and frame material combinations from the Logus90 range. Whether you choose a completely classic white plastic frame, a pastel-coloured Animato frame or a glass, wood, metal or stone frame, there is always a fingerboard in a matching colour to go with your chosen frame.

Base (plastic) **Animato** (plastic) **Crystal** (glass) **Metallo** (metal) **Arbore** (wood) **Petra** (stone)
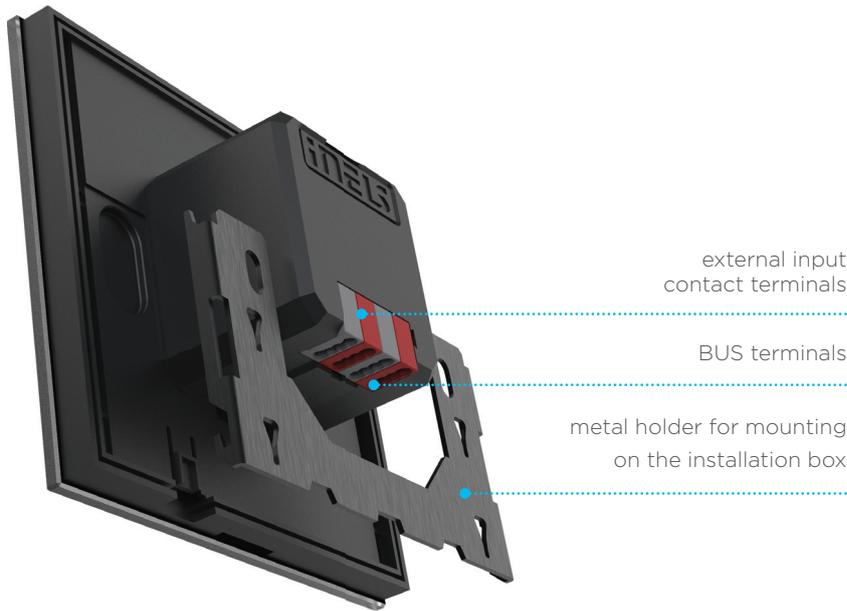
LOGUS⁹⁰
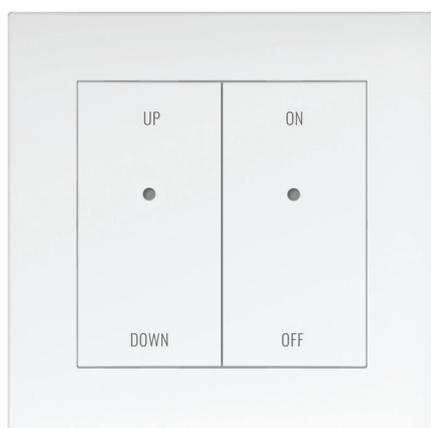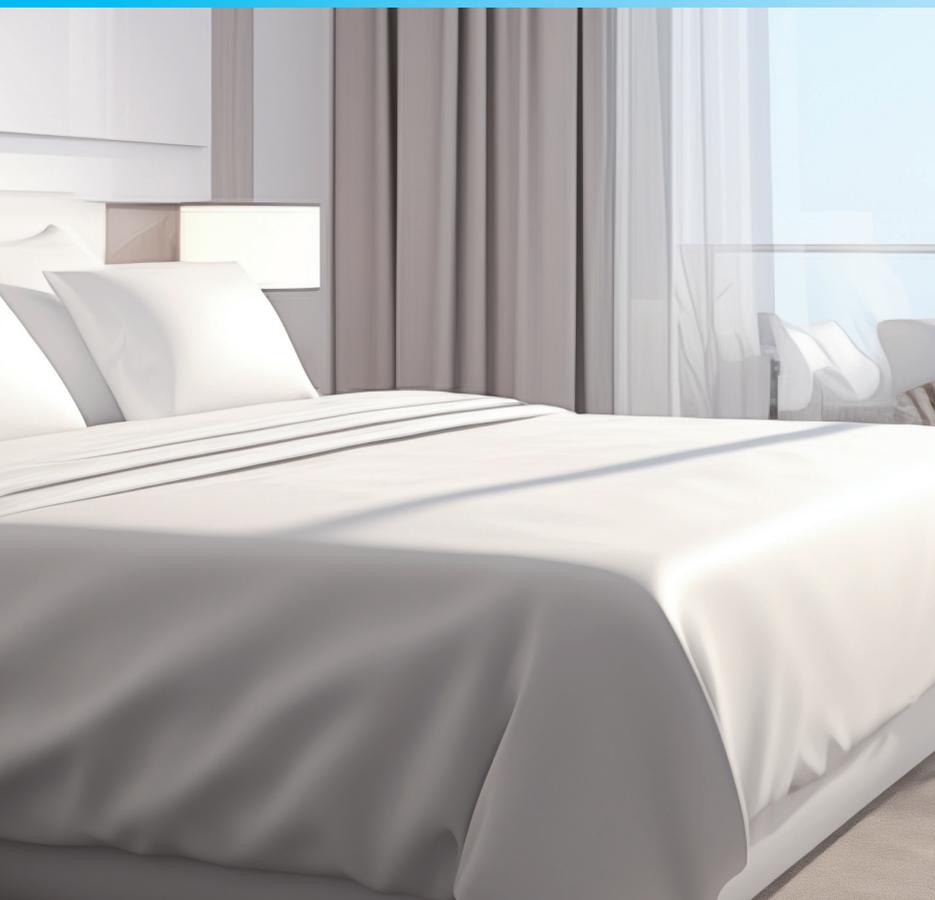
2 and 4 button versions are available, equipped with a two-colour signal LED whose function can be defined in software. The drivers include a temperature and humidity sensor as well as an input for an external wire contact or temperature sensor.

Design & Function in one controller

Glass panels stand out in any interior - even in a hotel or at home. Whether round or sharp, in black or white glass, there are always 4, 6 or 9 buttons available. The buttons are backlit, and the colours and brightness of the backlight can be set by software, as can the acoustic signal when pressed.

external input contact terminals

BUS terminals

metal holder for mounting on the installation box

GSB3-XXX/SXX

P – proximity sensor

B – black glass
W – white glass

S – symbols

40 – 4 buttons
60 – 6 buttons
90 – 9 buttons

() – sharp
2 – round

Glass **S**witch **B**utton

3 mm glass

Proximity sensor & ambient light
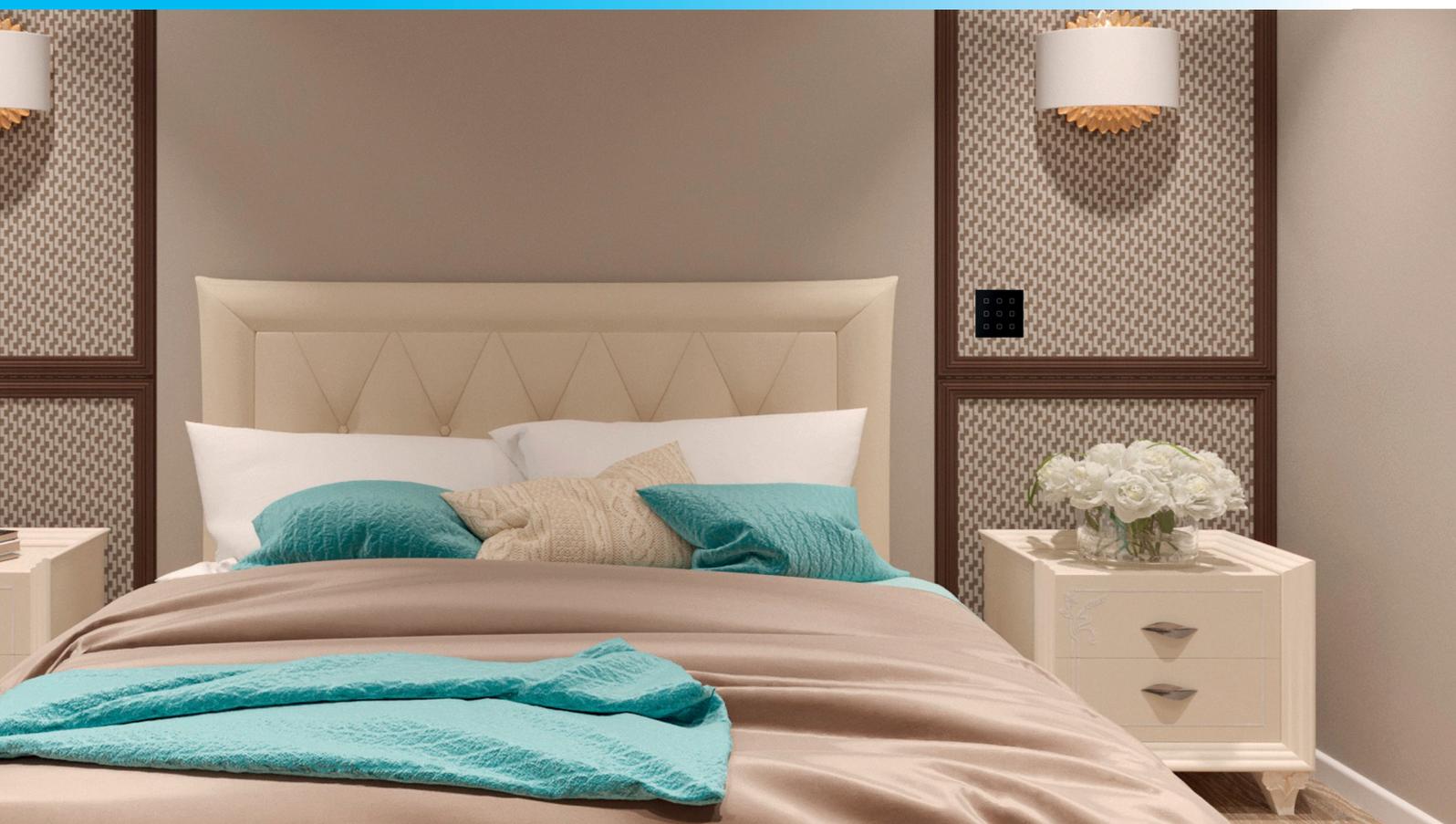
Black round glass / 4 buttons

Black sharp glass / 6 buttons

100% · 30% · ON/OFF · DND · BUTLER · MUR

White Sharp Glass / 9 buttons

HOTEL LOGO

Any icon and text description can be applied to the button position (see icons.inels.com configurator). The glass control panels contain temperature and humidity sensors as standard. SWP/SBP versions also include a proximity and ambient light sensor, which allows the backlight to be activated in the dark and then does not disturb the guest at night. In addition, each panel is equipped with an external input for connecting a wired contact or temperature sensor.

Make your design:
icons.inels.com

Luxury without compromise

The new range of metal control panels combines the luxury of metal surfaces with the elegance of a classic button press. Four finishes are available - for both panels and buttons: Brushed Silver, Satin Brass, Antique Copper or Graphite Black.
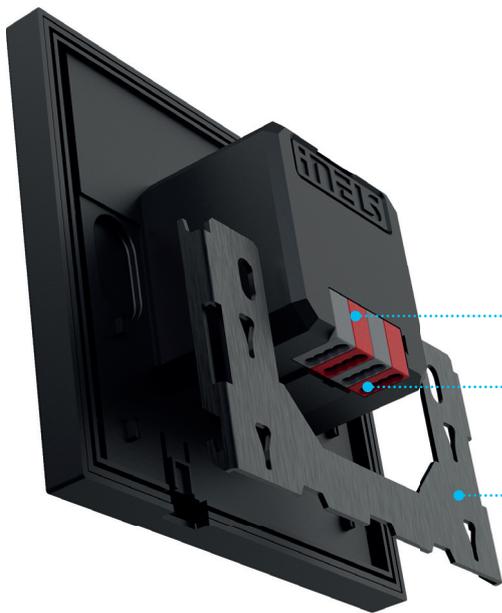
external input contact terminals

BUS terminals

metal holder for installation on the fixing box

MSB3-XX/SS

Button finishes:
G – Satin brass
B – Graphite black
S – Brushed silver
C – Antique copper

Plate finishes:
G – Satin brass
B – Graphite black
S – Brushed silver
C – Antique copper

40 – 4 buttons
60 – 6 buttons
90 – 9 buttons

Metal **S**witch **B**utton

LIVING ROOM
KITCHEN
UPSTAIRS
BEDROOM
DINING ROOM
DOWNSTAIRS
BATHROOM
HALL
GARAGE
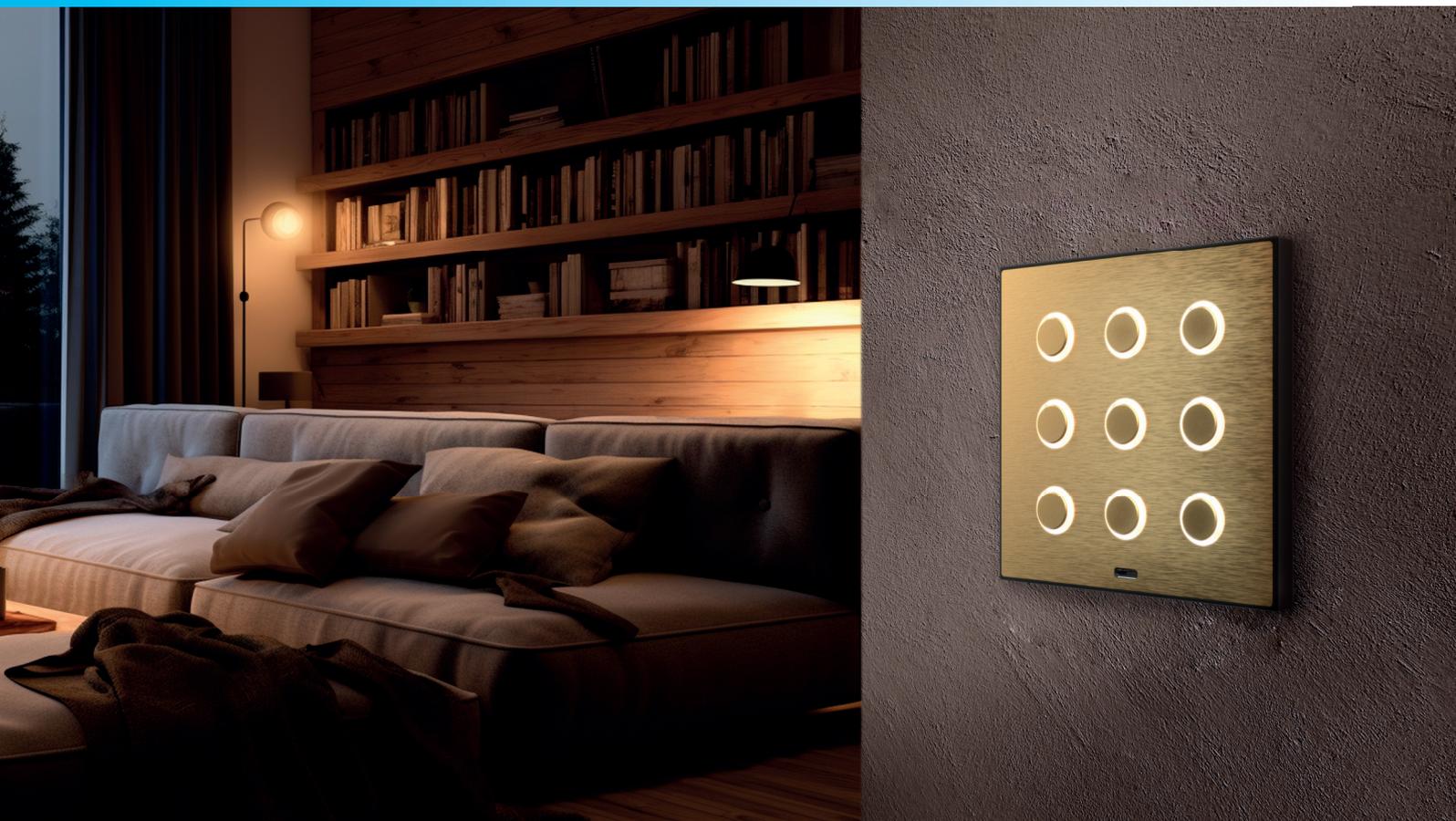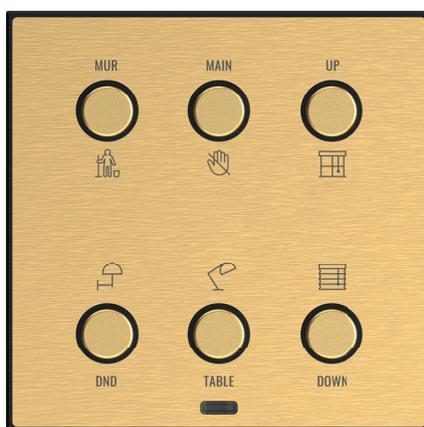
White LED backlight

light sensors

Antique Copper
/ 9 buttons

Brushed Silver / 4 buttons

Satin Brass / 6 buttons

Graphite Black / 9 buttons

The white backlighting of the buttons, whose function and brightness can be defined by software, adds an even higher level of comfort to the chosen design. The panels can be freely customized with icons and text – see icons.inels.com configurator.

Make your design:
icons.inels.com

SOCKET PANELS

Integral part of the control panels

Socket panels are an essential part of every hotel room's controls. They replicate the designs of the glass GSB and metal MSB controllers. Various device modules can be inserted into the frames : 110/230V multistandart socket, USB A+C, HDMI, LAN, PIR and others. You can thus create combinations to suit your wishes, whether for your bed, TV or desk.

Glass plates finishes   **Metal plates finishes**

GSS3-PMS/B	GSS3-PMS/W	MSS3-PMS/B	MSS3-PMS/C	MSS3-PMS/G	MSS3-PMS/S
B – Black glass	W – White glass	B – Graphite black	C – Antique copper	G – Satin brass	S – Brushed silver

For the design variants, the PMS multistandard socket in matt black is used. These devices are available in polar white and matt black. The hole in the GSS3/MSS3 can be filled with a 2Module accessory or 2× 1Module. A 1Module blind cover is available.

Blind cover 1-modul	PIR 1-modul	USB A+C 1-modul	HDMI 1-modul	LAN 1-modul	Multistandard socket 2-modules

Glass switch buttons with symbols

AC power multistandard socket PMS

USB-A+C sockets & LAN RJ45

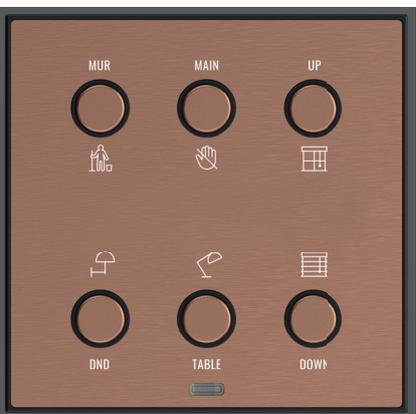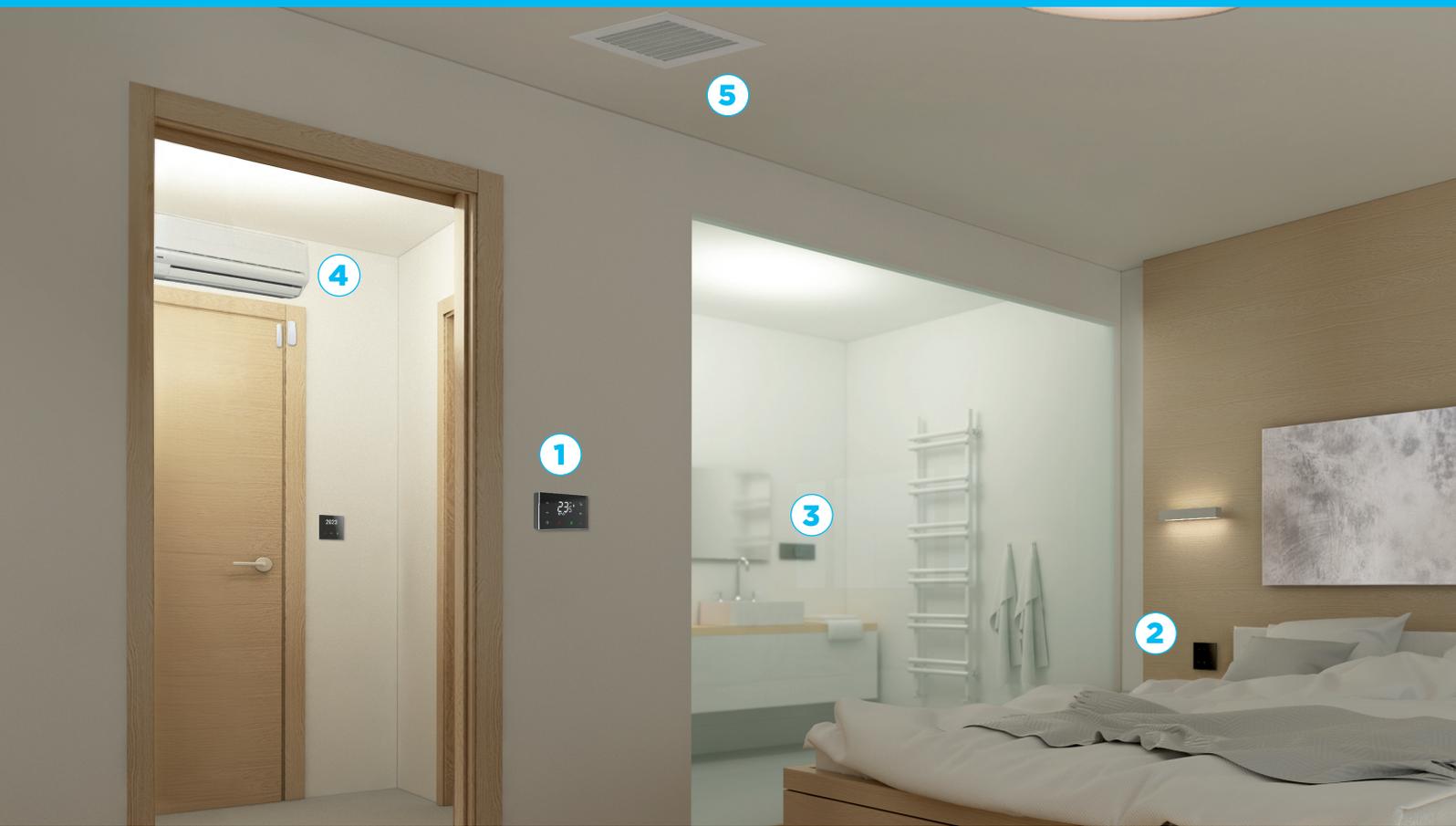| Blind cover 1-modul | PIR 1-modul | USB A+C 1-modul | HDMI 1-modul | LAN 1-modul | Multistandard socket 2-modules |

USB-A+C sockets & LAN RJ45

AC power multistandard socket PMS

Metal switch buttons with indicators

MUR | MAIN | UP

DND | TABLE | DOWN

Comfort requires the right temperature

Temperature control is an essential part of every hotel room. iNELS thermostats are intuitive for guests and can control 2 and 4 pipe fan coils, central heating radiators or electric floor heating. They work with the most commonly used air conditioning and VRV systems. They have been developed with a focus on energy saving where they set the correct thermal mode together with other detectors (window, door, motion) and save at the same time. Central temperature control from a monitoring centre or reception is also an option.

Glass Thermostat for Fancoils
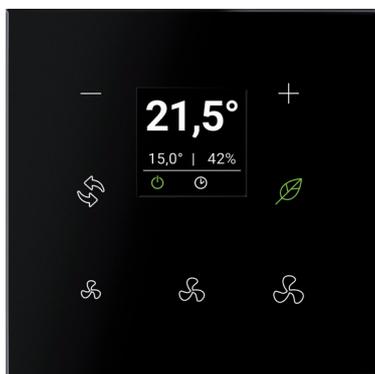
GRT3-100

Glass thermostat with output relays for direct switching of fan coils. Connection and power supply via iNELS BUS, configuration via iDM. Control of temperature, heating/cooling mode, fan speed and MUR/DND. Surface mounting, glass colour white or black. Built-in temperature, humidity and proximity sensor that activates backlighting of display and buttons at night.

⑤

A/C control

ACI-ETH

It is used to connect the iNELS system with the most common types of air conditioners. It connects to the communication bus of the indoor split unit and to the system via Wifi using the MQTT protocol.

②

FLUSH MOUNTED

LOGUS⁹⁰ DESIGN

②

**21,5°**
15,0° | 42%

③

22.5℃

④

Glass Room Thermoregulator

GRT3-70/B

Glass thermostat for correction of heating circuits defined in iDM. Connection and power supply via iNELS BUS or MODBUS. Temperature and mode control. Installation in EU/BS installation box, glass design white/black, sharp/round corners. Built-in temperature, humidity sensor. Terminals for connection of external temperature sensor.
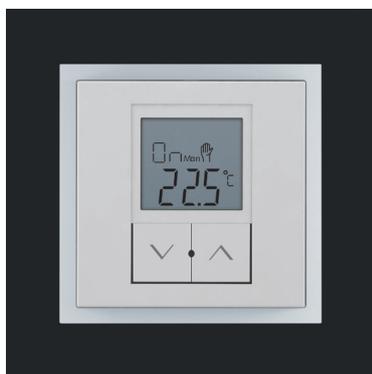
Simple Room Thermoregulator

IDRT3-1

Simple plastic thermostat for correction of heating circuits defined in iDM. Colour combinations of covers and frames within the wide Logus90 range. Built-in temperature sensor and input for external temperature sensor TC/TZ.

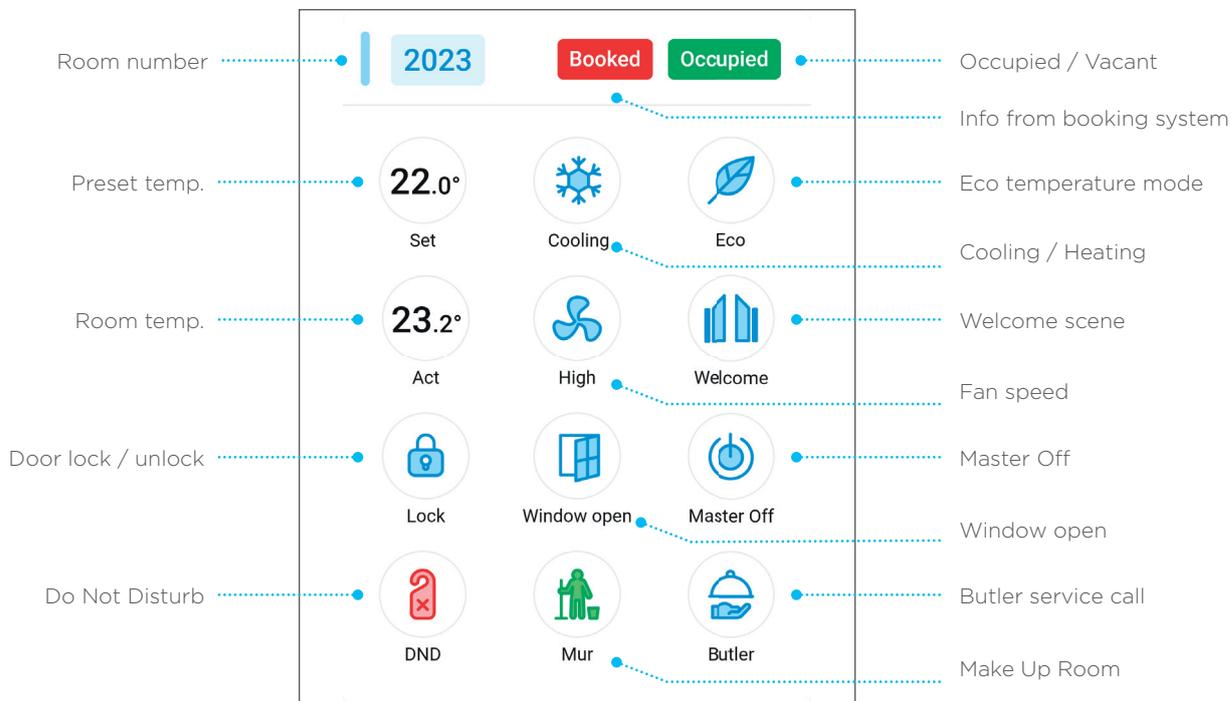## Fancoil Unit Controller

FA3-612M

Actuator is used to control fancoil's units via an analog / digital inputs. Analog inputs are for temperature measurement, voltage or current. Connection is to installation BUS.

17
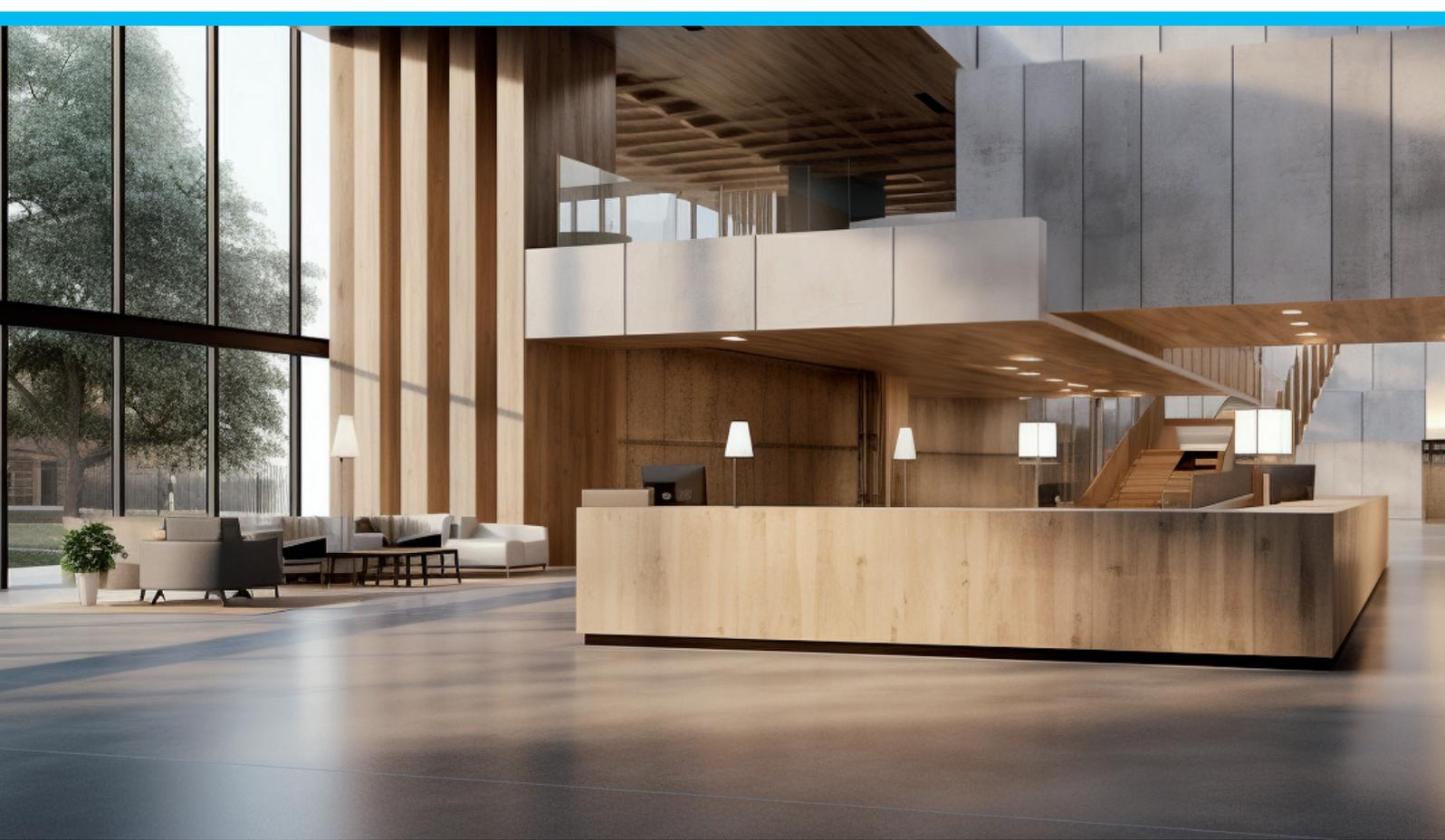
iNELS Hospitality offers a simple HRS (Hotel Reception Software) console that allows you to monitor the status of the room, including occupancy, MUR/DND and also allows you to control some of the functions: temperature, lighting, welcome scene. The software can be installed on a separate hotel server or it can be used in a Cloud version online.

Also included is a smart phone app for housekeeping that provides information on occupancy and cleaning requests.

Room control card

Room number 2023

Booked | Occupied .... Occupied / Vacant

.... Info from booking system

Preset temp. .... 22.0° Set | Cooling | Eco .... Eco temperature mode

.... Cooling / Heating

Room temp. .... 23.2° Act | High | Welcome .... Welcome scene

.... Fan speed

Door lock / unlock .... Lock | Window open | Master Off .... Master Off

.... Window open

Do Not Disturb .... DND | Mur | Butler .... Butler service call

.... Make Up Room

Floor overwiev

iNELS

RACV Cape Scha...
- Dashboard
- Devices
- Rooms
- Scenes
- Log
- Conditions
- Reception

← 1st Floor

All devices | Mur | DND

201 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off
DND | Mur | Butler

202 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off
DND | Mur | Butler

203 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off
DND | Mur | Butler

204 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off

205 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off

206 Reserved Occupied
22.0° Set | Heating | Eco
23.2° Act | High intensity | Welcome
Lock | Windows open | Turned off

Settings
Log out

petr.hulinsky
Admin

Floorplan

Control center

Set Temperature	State of Heating	Mode
22.0°	◄ Heating ►	Auto Eco 1 2 3

Notifications

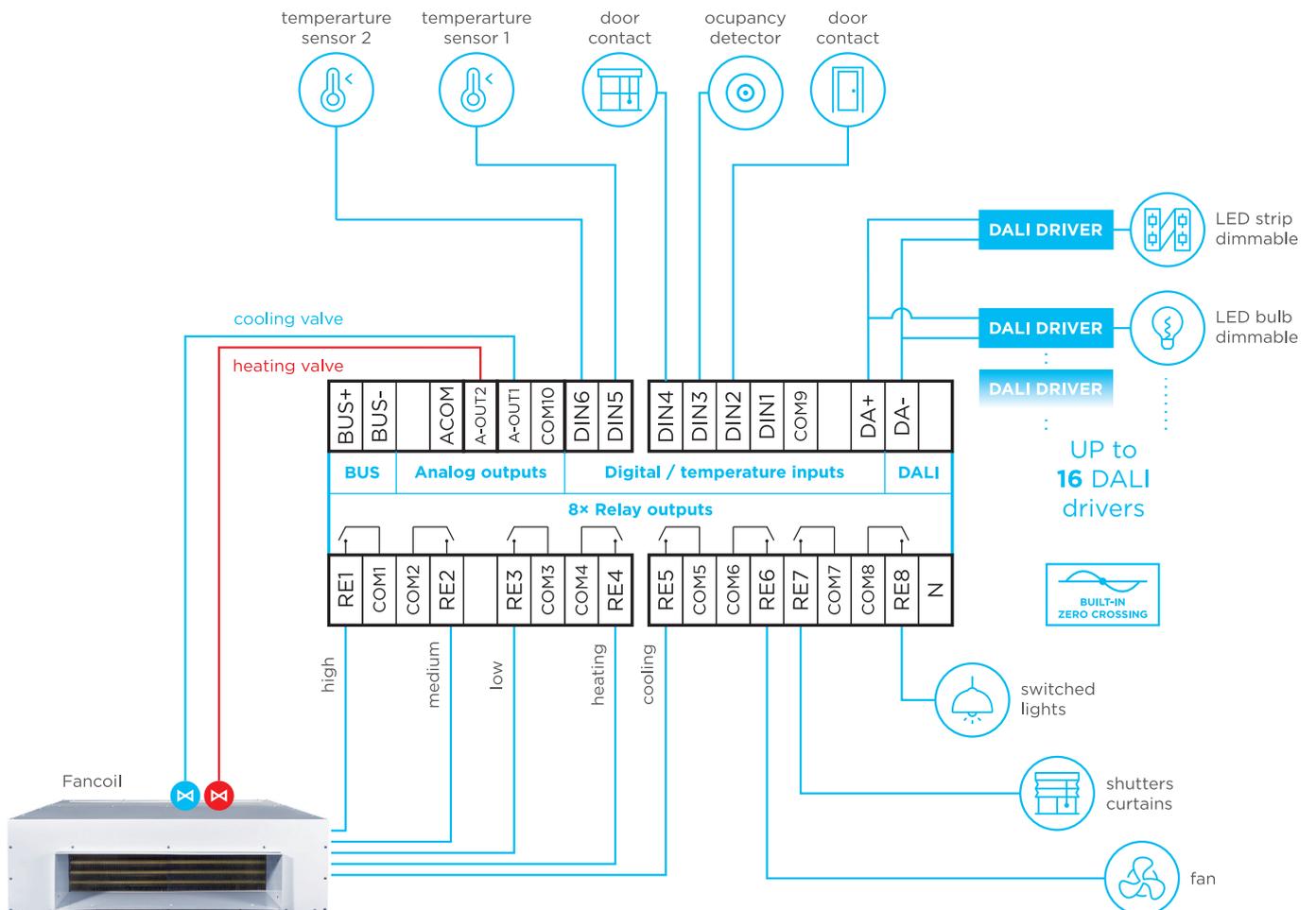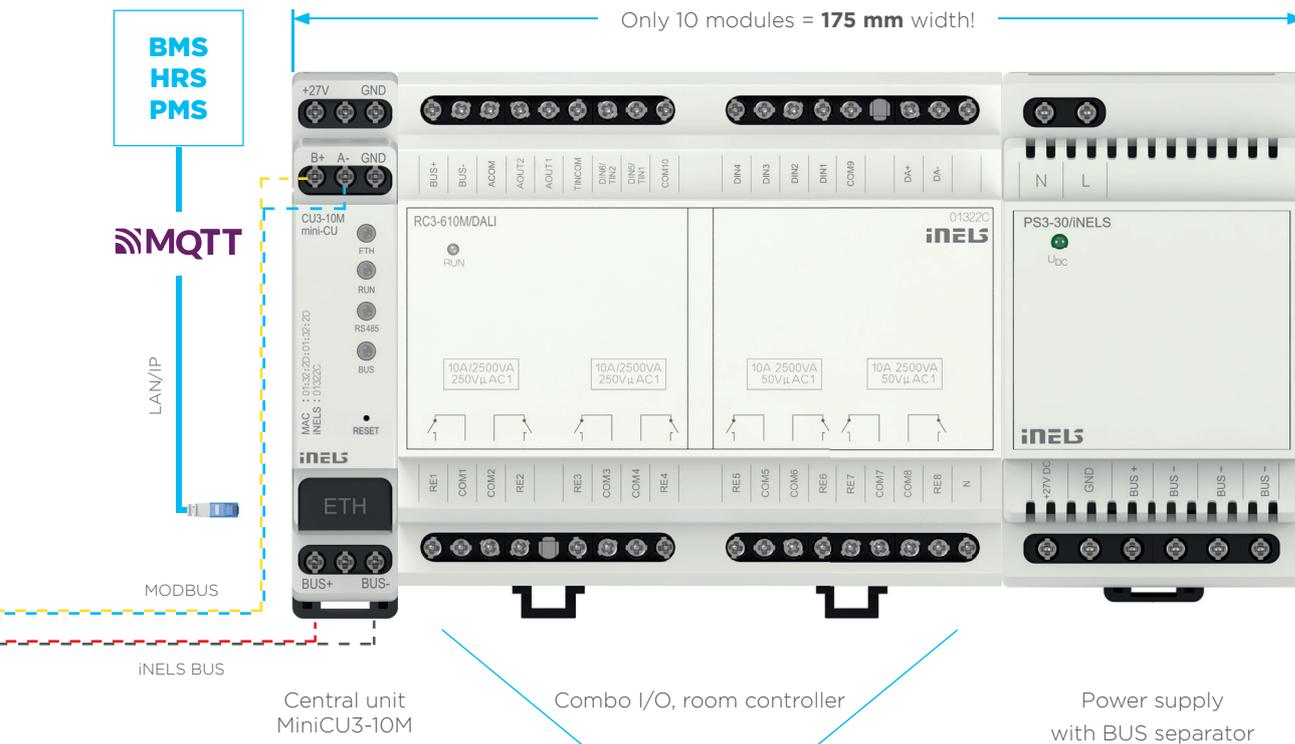| Room 101 | MUR | 06-06-2023 10:20 |
| Room 103 | MUR | 06-06-2023 10:24 |
| Room 105 | Butler | 06-06-2023 11:15 |

Modbus thermostat (option)
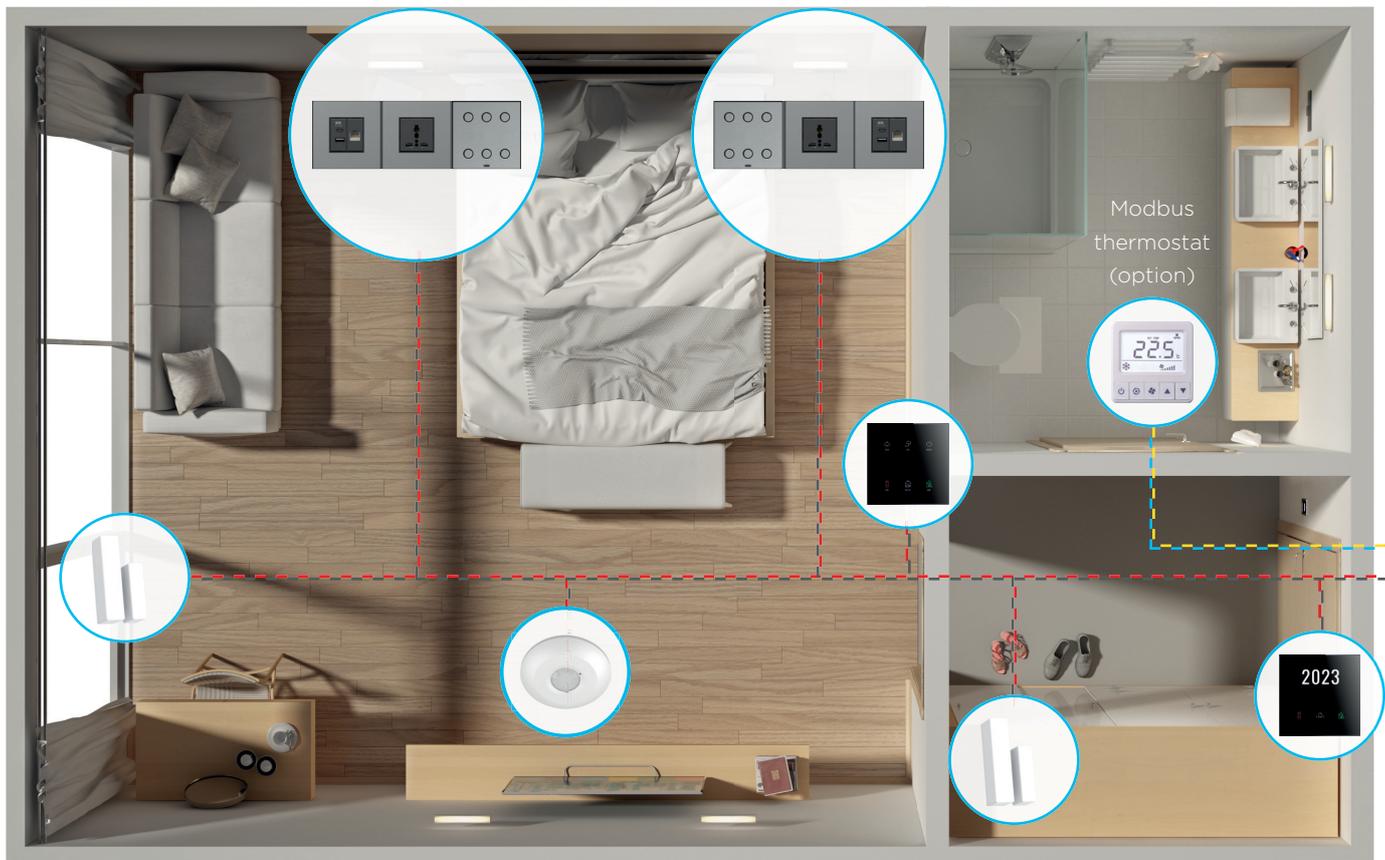
The iNELS GRMS includes a unique solution of units in the panel on DIN rail: in a minimal size covering all needs and requirements.

The heart of the system is the miniCU central unit, which includes an iNELS BUS for connecting up to 32 BUS units, a MODBUS bus for connecting thermostats and fancoils (if used) and a LAN port for IP connection to the higher-level system. It is also an MQTT gateway and firewall for security and protection of data transmissions.

Switching and dimming is then provided by a combined I/O unit which offers: 8x relay contacts for switching lighting or Relay 1 - Relay 5 can be used for switching fan coils, 6x digital inputs of which 2 can be used for connecting temperature sensors, 2x analogue outputs and last but not least a DALI master for dimming/dimming up to 16 DALI devices (DALI ballasts).

Together with the power supply, this powerful and compact backend occupies a width of only 10 module s on a DIN rail in a rack, while providing enough capacity to control a presidential suite.

Only 10 modules = **175 mm** width!

BMS
HRS
PMS

MQTT

LAN/IP

MODBUS

iNELS BUS

+27V   GND

B+   A-   GND

CU3-10M
mini-CU

ETH

RUN

RS485

BUS

MAC : 01:32:2D:01:32:2D
iNELS : 01322C

RESET

iNELS

ETH

BUS+   BUS-

RC3-610M/DALI

RUN

01322C

iNELS

10A/2500VA
250Vμ AC1   10A/2500VA
250Vμ AC1   10A 2500VA
50Vμ AC1   10A 2500VA
50Vμ AC1

BUS+ BUS- ACOM AOUT2 AOUT1 TINICOM DIN6/TIN2 DIN5/TIN1 COM10   DIN4 DIN3 DIN2 DIN1 COM9   DA+ DA-

RE1 COM1 COM2 RE2   RE3 COM3 COM4 RE4   RE5 COM5 COM6 RE6 RE7 COM7 COM8 RE8   N

PS3-30/iNELS

N   L

U_DC

iNELS

+27V DC GND BUS + BUS - BUS - BUS -

Central unit
MiniCU3-10M

Combo I/O, room controller

Power supply
with BUS separator

temperarture
sensor 2

temperarture
sensor 1

door
contact

ocupancy
detector

door
contact

DALI DRIVER — LED strip dimmable

DALI DRIVER — LED bulb dimmable

DALI DRIVER

cooling valve

heating valve

BUS+	BUS-		ACOM	A-OUT2	A-OUT1	COM10	DIN6	DIN5		DIN4	DIN3	DIN2	DIN1	COM9		DA+	DA-	
BUS			**Analog outputs**							**Digital / temperature inputs**						**DALI**		

UP to
16 DALI
drivers

8× Relay outputs

RE1	COM1	COM2	RE2	RE3	COM3	COM4	RE4	RE5	COM5	COM6	RE6	RE7	COM7	COM8	RE8	N

high   medium   low   heating   cooling

BUILT-IN
ZERO CROSSING

switched
lights

shutters
curtains

fan

Fancoil

Part of iNELS Hospitality is LARA - internet radio and music player. Connection and power supply is provided by LAN with PoE, control is possible by touch buttons or via phone application. The device also includes a 2x10W amplifier, the power of which is sufficient for sounding a bathroom or even a room. The design of the enclosures and frames can be matched with Logus90, which also offers speakers for multiple frames.
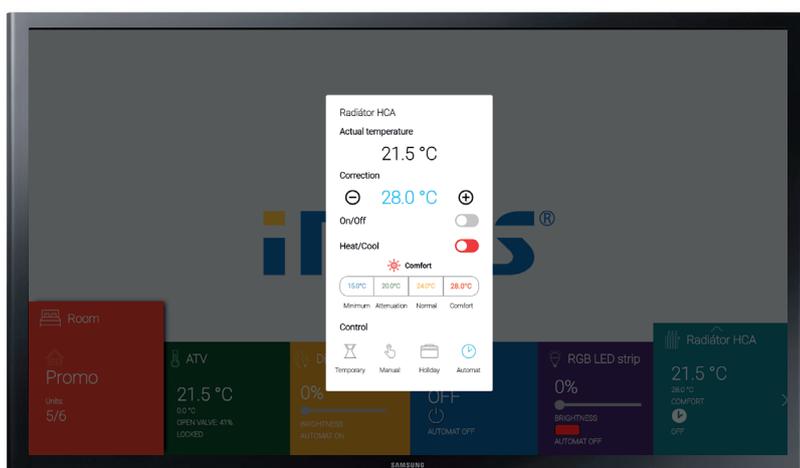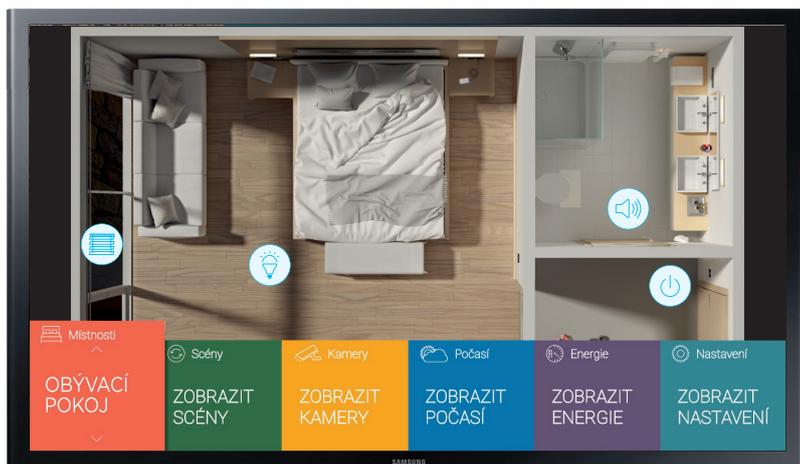

Music & Power Kit

Wi-Fi

Wireless RFIO2
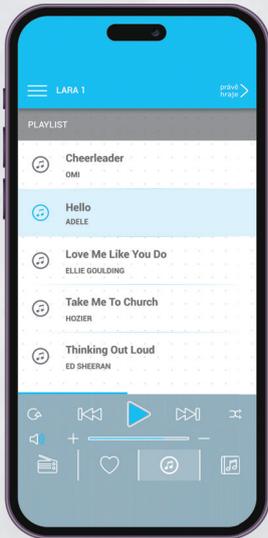
App LARA Dio
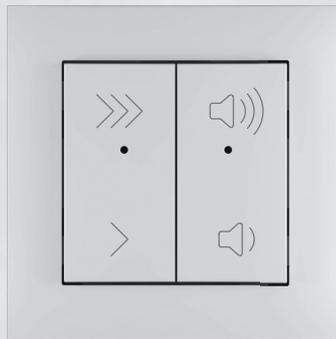
Additional Control Button

Thanks to the iNELS app for Samsung's Smart Hospitality TV, you can control the temperature, lighting, request cleaning or select do not disturb mode from the hotel room TV screen.

Room Control

Hotel managers can easily manage and arrange the channel mix for both analogue and digital channels without the need to adjust and edit channel lists by different TV systems. Channels can be reordered and renamed to the hotel's preference with channel mapping.
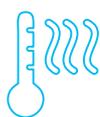
| Lights | Temperature control | Music | TV | Movie on demand |

ACCESS CONTROL

Integration with door lock manufacturers is a matter of course. Thanks to the interconnection, we receive information about the first entry into the room (triggering of the Welcome scene) and information about the occupancy of the room together with the motion detector in the iNELS system.

The room occupancy has a major influence on the energy management in the room, where it is possible to switch off all lights (or other electrical appliances) and set the attenuation temperature.

*   The picture of device is illustrative, the icons (symbols) are configurable by the customer.

Lock & Keycard integration

ASSA ABLOY
VingCard®
dorma kaba
SALTO inspired access
Saflok SA
HÄFELE

LAN IP

iNELS Bridge

BUS

NFC

iNELS Digital Key
Room **299**
UNLOCKED
TAP TO UNLOCK YOUR ROOM

2024

2024

*

iNELS Digital Key

This smartphone app with a digital key (IDK) is another smart way how to unlock you room if you don´t have a card with you.

Glass Card Reader
GCR3-30/SB

Glass Card Reader
GCR3-30/SW

The RFID card reader is a great design for the entrance to the rooms which also features a bell signal the "Do Not Disturb" and "Make Up Room" signs and backlighted room number. Thanks to the integrated relay it can control the door lock directly.

Card type: Mifare 1k, 4k, Ultralight, DesFire, ISO/IEC 14443-4 (CD97BX, CD light, P5CN072 (SMX) Innovision jewel (IRT5001), FeliCa (RCS_860, RCS_854)

Frequencies: 13,56 MHz

Common areas - such as corridors, reception, lobbies, restaurants, bars, wellness and related facilities are an integral part of every hotel. Here too, lighting and temperature must be controlled, usually according to a different mode. Part of iNELS GRMS are units that can control multiple circuits or more power.

For example, the DA3-66M dimmer can dim up to 6 independent dimmable circuits, the SA3-22M switching actuator can switch up to 22 relay outputs or the CU3-09M can control up to 64 DALI addressable dimmable luminaires. This will undoubtedly have a positive effect on the purchase price of the entire system.

Just like the controls, the power elements follow the latest technological trends: switching output relays with ZERO-CROSS make it possible to switch even current-consuming LED lighting - unless you prefer to directly select dimmers with DALI interface, which are included in both versions of the iNELS Hospitality system.

6×
DIMM

14×
SWITCH

64
DALI ADDRESS

Phase dimm
up to 6 circuits

DA3-66M Dimmer

The RC3-610M/DALI is an I/O actuator equipped with 6 binary inputs, of which 2 can be confi gured as temperature inputs and 8 independent relays with switching potential-free and potential contacts.

DALI

Switching actuator
for 14 units

SA3-014M Switching actuator

The actuator is designed for switching various appliances and loads with Zero Crossing technology.

**BUILT-IN
ZERO CROSSING**

Central unit
for DALI

CU3-09M-DALI

CU3-09M is a control unit in iNELS BUS installations, working independently or as part of a larger project. It includes one BUS line, it can connect up to 32 iNELS BUS elements and includes a DALI bus for controlling up to 64 DALI ballast addresses. The unit employs MQTT for third-party communication and supports direct cloud communication for mobile app control.

BUS/GRMS – backend

Central units

CU3-08M
Central unit
with 2x BUS,
max. 64 units

CU3-09M/DALI
Central unit
with 1 BUS, 1x DALI,
with 64 DALI addresses

CU3-10M
Central unit
with 1x BUS,
1x MODBUS

Detectors | sensors

MCD3-01
Ultra slim microwave
motion detector - ceilling
mount

PMS3-01
Ultra slim PIR motion
detector - ceilling mount

Input units

IM3-40B
Binary input unit,
4 inputs

IM3-80B
Binary input unit,
8 inputs

IM3-140M
Binary input unit,
14 inputs

TI3-40B
Temperature input,
4 inputs

TI3-60M
Temperature input,
6 inputs

Switching actuators

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

SA3-04M
Switching
actuator,
4 channels

SA3-06M
Switching
actuator,
6 channels

SA3-014M
Switching actuator,
14 channels

SA3-014M/E
Switching actuator,
14 channels (without
manual control
buttons and RE
status LED)

SA3-022M
Switching actuator,
22 channels

EA3-022M
Switching actuator
without controls and
indicators,
22 channels

Power supplies

PS3-30/iNELS
Power supply
with integrated BUS
seperator

**BPS3-01M,
BPS3-02M**
Bus separator
from power supply

PSM3-30/iNELS
Power supply
for iNELS BUS

PSM3-60/iNELS
Power supply
for iNELS BUS

PSM3-100/iNELS
Power supply
for iNELS BUS

Lighting control

DA3-22M
Universal dimming
actuator,
2 channels

DA3-66M
Dimming actuator,
6 channels

DA3-03M/RGBW
Dimming actuator
for RGBW strips

Shutter actuators

JA3-014M
Shutter actuator,
14 channels

JA3-014M/E
Shutter actuator,
14 channels (without
manual control
buttons and RE
status LED)

Combined units

RC3-610M/DALI
Room controller
with DALI dimmer

FA3-612M
Fancoil controller

IOU3-108M
Universal unit with
10 inputs and 8 outputs

Wall controllers, LOGUS⁹⁰ design

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

WSB3-40, WSB3-40H
Wall switch button, 4 buttons
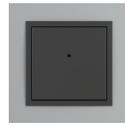
Card readers

WMR3-21
Wall card reader

GCR3-30
sharp
Glass card reader

GCR3-230
round
Glass card reader

Glass controllers
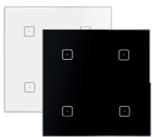
GSB3-40
sharp
4 buttons

GSB3-60
sharp
6 buttons

GSB3-90
sharp
9 buttons

GSB3-240
round
4 buttons

GSB3-260
round
6 buttons

GSB3-290
round
9 buttons

GSB3-40/S
sharp
4 buttons,
with symbols

GSB3-60/S
sharp
6 buttons,
with symbols

GSB3-90/S
sharp
9 buttons,
with symbols

GSB3-240/S
round
4 buttons,
with symbols

GSB3-260/S
round
6 buttons,
with symbols

GSB3-290/S
round
9 buttons,
with symbols

Metal controllers
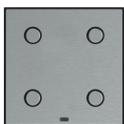
MSB3-40/SS
Brushed silver
4 buttons
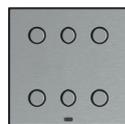
MSB3-60/SS
Brushed silver
6 buttons
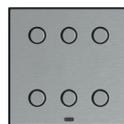
MSB3-90/SS
Brushed silver
9 buttons
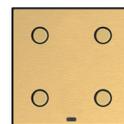
MSB3-40/GG
Satin brass
4 buttons
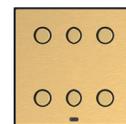
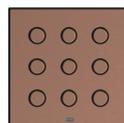**MSB3-60/GG**
Satin brass
6 buttons
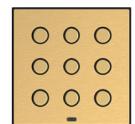
MSB3-90/GG
Satin brass
9 buttons
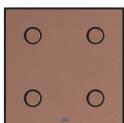
MSB3-40/CC
Antique copper
4 buttons
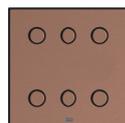
MSB3-60/CC
Antique copper
6 buttons

MSB3-90/CC
Antique copper
9 buttons

MSB3-40/BB
Graphite black
4 buttons

MSB3-60/BB
Graphite black
6 buttons

MSB3-90/BB
Graphite black
9 buttons

Thermo-regulators

IDRT3-1
Digital room
thermo-regulator

GRT3-70
sharp
Glass room
thermo-regulator

GRT3-270
round
Glass room
thermo-regulator

GRT3-100
Glass room on-wall
thermo-regulator with
relays for fancoils control

Touch units

EST4
4" touch
control panel

EST8
8" touch
control panel

EST10
10" touch
control panel

INSPINIA

Integration

iNELS Bridge
Third-party integration
gateway

Connection Server II.
Third-party integration
server

Multimedia

LARA Radio
Player Internet radio

LARA Intercom
Multifunction communication
equipment

iNELS app

New application for controlling all compatible
elements from the iNELS portfolio.

Accessories

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

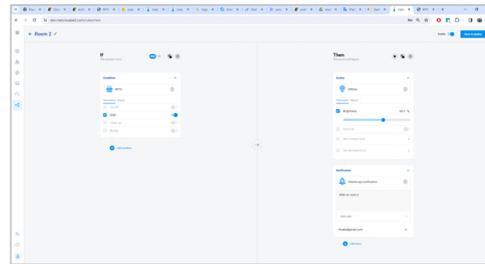**AN-I, AN-E**
Internal antenna
External antenna

TC, TZ, Pt100
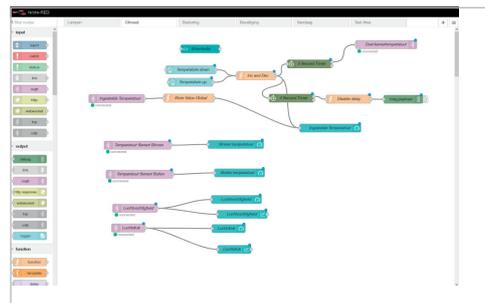Thermo sensors

iNELS App for service

iNELS Cloud

OR

Local Hotel Server on site

MQTT

HOTEL

ROOM 501 **ROOM 502** **ROOM 503**

LAN

Room 301 **Room 302**

WiFi

ROOM 201 **ROOM 202** **ROOM 203**

LAN

BACKEND

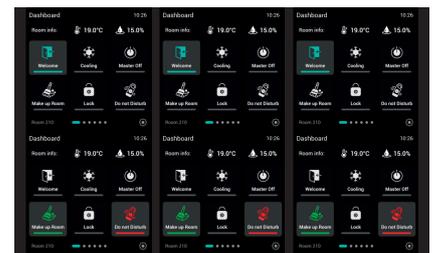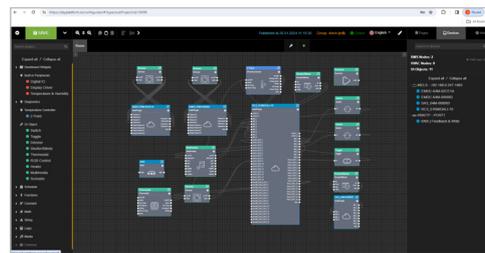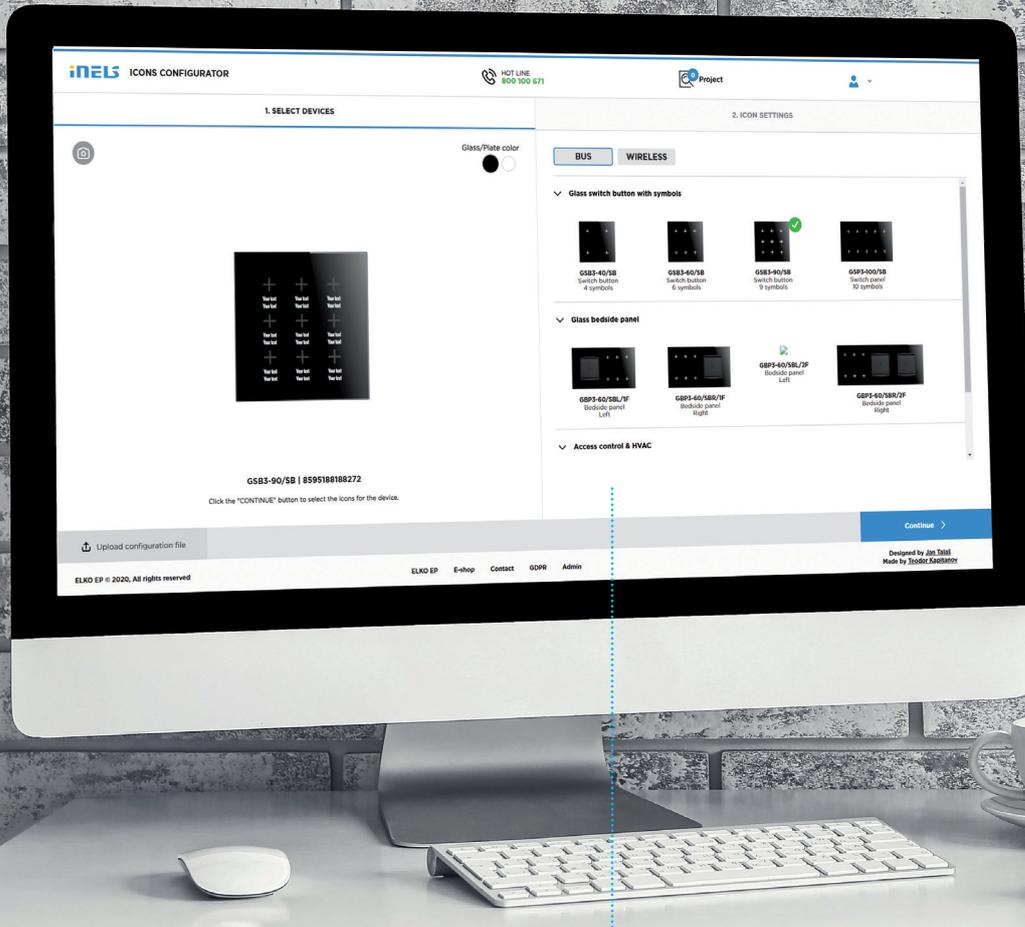**FRONTEND**

HRS
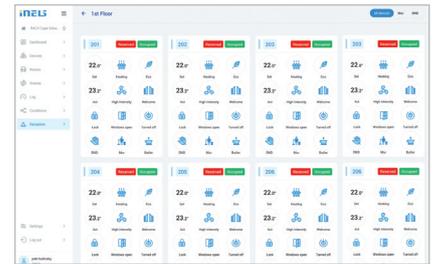
NodeRED

SkyThings

PMS

ONLINE CUSTOMIZATION

Online customization:
icons.inels.com

ELKO EP as a manufacturer has technologies that allow us to offer you a wide range of customization: colors of controls, shapes of glass, icons and button descriptions, including hotel room numbers and even hotel logos. Special and unusual combinations can be made on request.

We can supply the entire order with elements pre-programmed from the factory so that you only install them according to their codes in the correct room numbers. This will significantly reduce programming and commissioning costs.

ROUND
SHARP

black   white   background options

custom icons
custom text

hotel logo

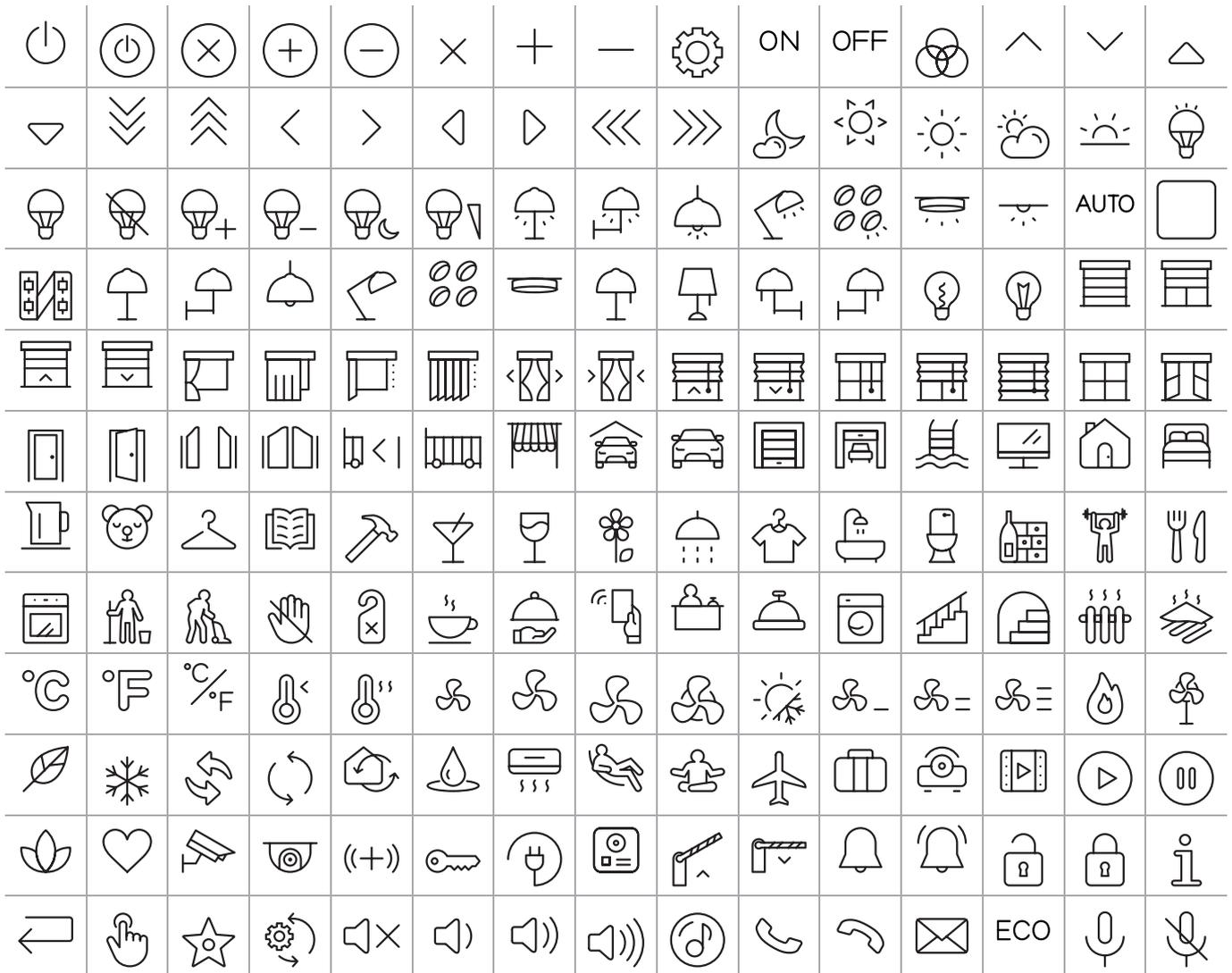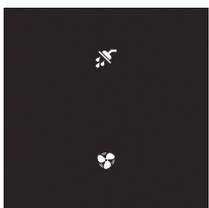| BEDSIDE LAMP | MAIN LIGHT | BEDSIDE LAMP |
| UP | DOWN | ON / OFF |
| DND | BUZZER | MUR |

HOTEL LOGO

Icon library
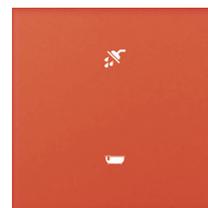

Glass colour selection

Black crystal
(standard)

White crystal
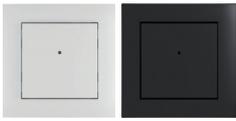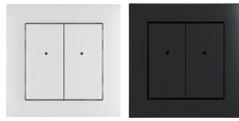(standard)

Blue crystal

Red crystal

Yellow crystal

Other colours on request

Controllers – natural & plastic

RFWB-20/G – white
RFWB-20/GB – black
On-wall button controller
- 2 buttons

RFWB-40/G – white
RFWB-40/GB – black
On-wall button controller
– 4 buttons

Base (plastic) **Animato** (plastic) **Crystal** (glass) **Metallo** (metal) **Arbore** (wood) **Petra** (stone)

Controllers – glass

RFGB-20/W – white
RFGB-20/B – black
Glass touch controller
SHARP – 2 buttons

RFGB-40/W – white
RFGB-40/B – black
Glass touch controller
SHARP – 4 buttons

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

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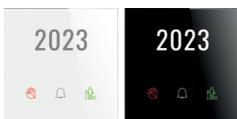ROUND – 4 buttons

Controllers – glass with actuators

RFSW-62/B – black glass, SHARP
RFSW-262/W – white glass, ROUND
Glass touch controller
with output relays

RFDW-71/B – black glass, SHARP
RFDW-271/W – white glass, ROUND
Glass touch controller
with dimmer

Courtesy units – glass with symbols

RFGS-30/SB – black glass
RFGS-30/SW – white glass
Infront of door hotel
room unit

RFSW-62/SB – black glass
RFSW-62/SW – white glass
Wireless touch glass remote
control with symbols and two
output relays

Switch units – flush mounted

RFSA-61B

Switch unit, 1 channel
– 1× 16 A, multifunction

RFSAI-61BPF-SL

Multifunction switch unit
with inputs for external
buttons – 1× 8 A, with galva-
nically separated contacts

RFSAI-61B-SL

Multifunction switch unit
with inputs for external
buttons – 1× 8A

RFSAI-62B-SL

Multifunction switch unit
with inputs for external
buttons 2-channels, 2× 8 A
(total)

RFJA-32B-SL

Switch unit for shutters,
2× 8 A

Switch units – DIN rail mounted

RFSA-61M

Switch unit, 1 channel – multi-
function, 1× 16 A

RFSA-66MI

Switch unit, 6 channels with
integrated antenna
– multifunction, 6× 8 A

RFSA-61MI

Switch unit, 1 channel with
integrated antenna
– multifunction, 1× 16 A

RFSA-66M

Switch units, 6 channels
– multifunction, 6× 8 A

Dimmers – flush mounted

RFDAC-71B-SL

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

RFDALI-32B-SL
RFDALI-04B-SL

DALI controller,
for 4/32 DALI addresses

RFDEL-71B-SL

Phase dimmer
1-channel – 1x 300 VA
– R, L, C, LED, ESL

Dimmers – DIN rail mounted

RFDA-73M/RGBW

Dimmer for LED (RGB) strips,
3-channels

RFDEL-71M

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

RFDEL-76M

Universal dimmer,
6-channels – 6 x 150 VA

Temperature control

RFTC-3
Glass touch thermostat for fancoils

RFTC-4
Glass touch battery powered

RFTC-50/G
Autonomous temperature controller

RFTC-10/G
System temperature controller

TC   TZ
Extrenal temperature sensors

RFATV-2
Wireless thermovalve

RFTI-20
Temperature and humidity sensor

RFSA-266M
Switch unit for fancoil control

RFSTI-11B-SL
Switch unit with external temperature sensor

Converters

RFIM-40B/BP-SL
4 input contacts converter battery powered

RFIM-40B/230-SL
4 input contacts converter AC 230 power supply

RFSG-1M
Input contact converter −1x permanent contact

Detectors

RFMD-200
Motion detector

RFMD-100
Motion detector corner mounted

RFWD-100
Window/Door detector

RFSF-100
Flood detector

System units

eLAN-RF-103
Smart RF gateway
with LAN

RFRP-20N
Repeater to extend
the range

RF Touch-2/BE
RF Touch-2/BR
Wireless touch unit
– flush mounted

Accessories

RFAF/USB
Service Key

AN-I
Internal antenna
Gain: 2.1 dBi

AN-E
External antenna
Gain: 5 dBi

AN-E3
External antenna
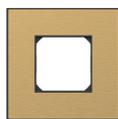Gain: 3 dBi, IP67

Extension cable for external
antenna
10 m
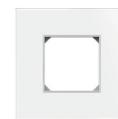
Socket panels – metal frames

MSS3/B	**MSS3/C**	**MSS3/G**	**MSS3/S**
Graphite black	Antique copper	Satin brass	Brushed silver

Socket panels – glass frames

GSS3-B	**GSS3-W**
Black glass	White glass

Accessories

VM55SB-U	**EM68SB-U**	**KM35SB-U**	**KM39SB-U+** **KM50SB-U**	**EM31SB-U**	**TM21SB-U**
Multistandard socket 2-modules	USB A+C 1-modul	HDMI 1-modul	LAN 1-modul	PIR 1-modul	Blind cover 1-modul

VM55SW-U	**EM68PW-U**	**KM35PW-U**	**KM39PW-U+** **KM50PW-U**	**EM31PW-U**	**TM21PW-U**
Multistandard socket 2-modules	USB A+C 1-modul	HDMI 1-modul	LAN 1-modul	PIR 1-modul	Blind cover 1-modul

Wireless

1 Infront of door hotel room unit
RFBS-30/S, 24V/230V powered

2 Glass touch controller with symbols and two outputs
RFSW-62/S, 24V/230V powered

3 Glass touch thermostat for fancoils
RFTC-4, battery powered, controll RFSA-266 M

4 Motion detector for ceiling mounting
RFMD-200, battery powered

5 Window/door detector
RFWD-100, battery powered

6 Glass touch controller, 4 buttons
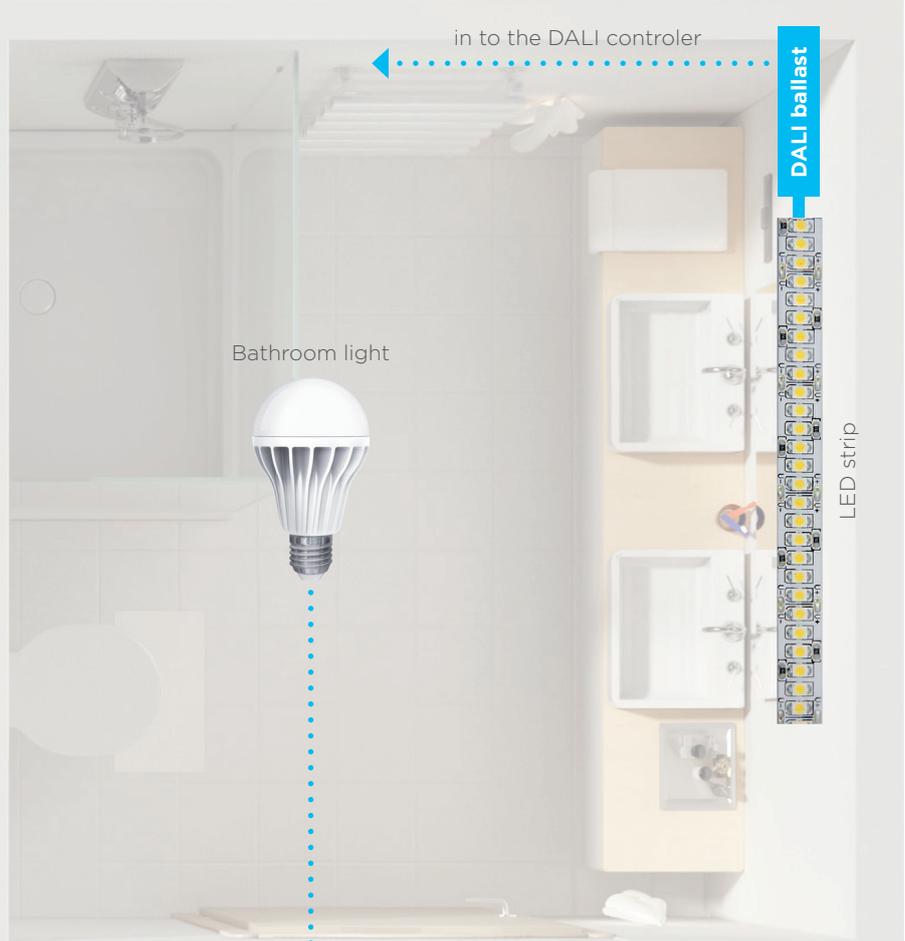RFGB-40, battery powered

7 DALI controller, 4 DALI balast
RFDALI-04/B-SL, 230V powered

8 Switch unit for fancoil control
RFSA-266M

9 USB/LAN socket panel
GSS3-USB/LAN

10 AC power multistandard socket
GSS3-PMS

9

2

DALI ballast   LED strip

DALI ballast

DALI Controller
for 4 or 32 DALI ballast

7

Motion Detector
ceeling mounted

4

5

Switch unit for
fancoil control   Bell

Fan-coil

8

Window detector

in to the DALI controler

DALI ballast

6

10

Bathroom light

LED strip

Wireless glass thermostat

23.5 °C
°C/°F
18:46 PM

3

Glass touch controller with two switching outputs

Entry light

Door lock

Infront of door hotel room unit

2023

2

5

1

Door detector
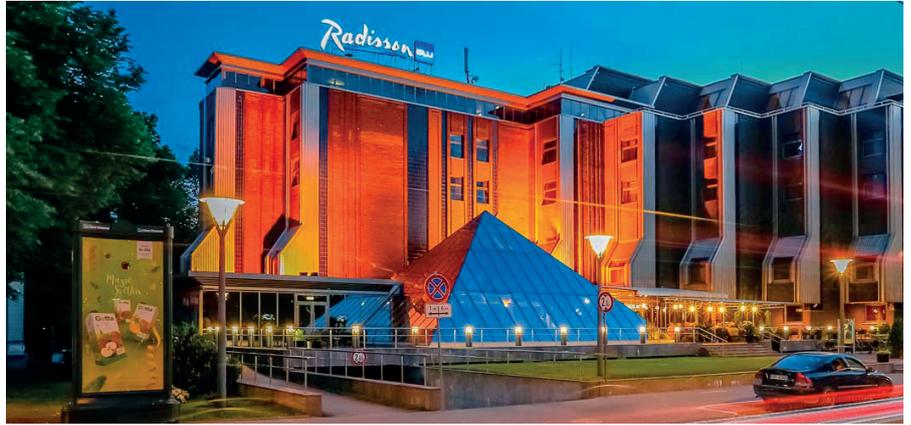
Infront of light

REFERENCES

Isla Mallorca

Mallorca, Spain

- 4-star hotel in Palma de Mallorca
- 10 floors, 154 rooms, wellness, bars, restaurant, meeting rooms
- lighting control, HVAC control
- exit button (switch OFF)

Radisson Blu Ridzene Hotel

Riga, Latvia

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

Marriott Marquis

Doha, Qatar

- 5-star hotel in the Doha City center
- 44 floors, 397 rooms, 182 suites,
- 18 meeting rooms
- lighting control
- HVAC control
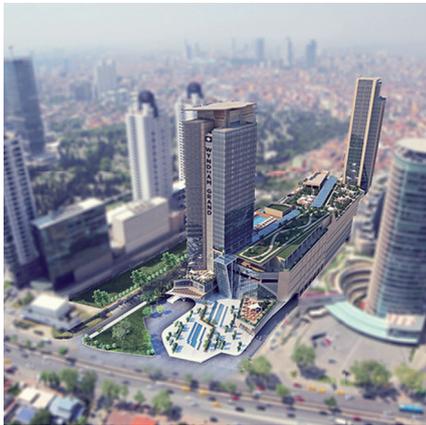- master switch OFF

Rocks Hotel & Casino

Kyrenia, Cyprus

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

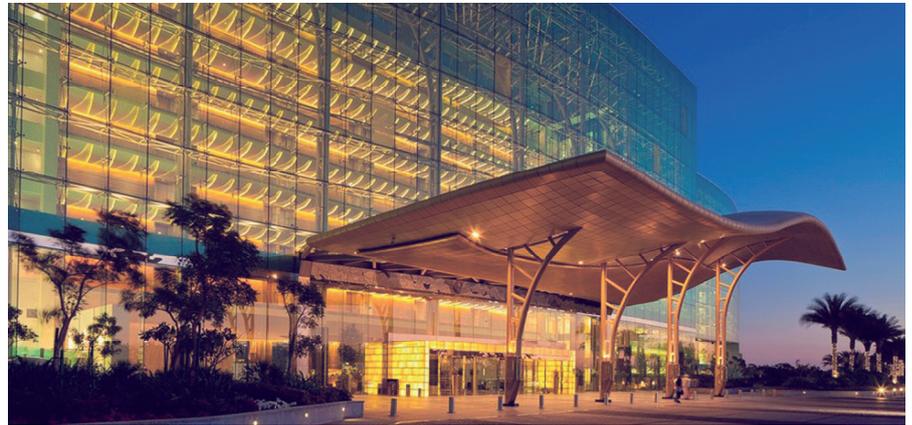# DEVELOPED & MADE IN EUROPE

iNELS

Wyndham Grand
Istanbul, Turkey

- lighting control in each room, the common areas, conference rooms and other spaces
- 3000 lighting circuits are controlled through the DALI protocol
- EMDC units

Meydan
Dubai, UAE

- lighting control
- crystal chandelier
- starry night sky control
- audio/video system

Movenpick
Dubai, UAE

- 255 rooms, 230000 sq,
- 530 units, 1600 light circuits
- control appliances, lights
- HVAC control
- garage doors, sockets

Merit Royal Premium
Kyrenia, Cyprus

- 125 rooms
- complete management
- of hotel rooms
- scenes: arrival/departure
- and day/night
- Guest Room Hotel Management System

Hotel Claude Marbella
Marbella, Spain

- modernization of 7 luxury rooms
- room scenes, automatic lighting
- controlling by using glass readers and card holders

43

Headquarters

ELKO EP Holding SE, Czech Republic

Europe

ELKO EP Balkan d.o.o
ELKO EP Bulgaria OOD
ELKO EP Germany GmbH
ELKO EP Hungary Kft.
ELKO EP POLAND Sp. z o.o.
ELKO EP SLOVAKIA, s.r.o.
ELKO EP UK Ltd.
ELKO EP UKRAINE LLC

Africa & Middle East

ELKO EP Egypt LLC
ELKO EP Kuwait Ltd.
ELKO EP MEA LLC
ELKO EP Saudi Arabia Ltd.
ELKO EP South Africa PTY Ltd.

America

ELKO EP North America LLC