








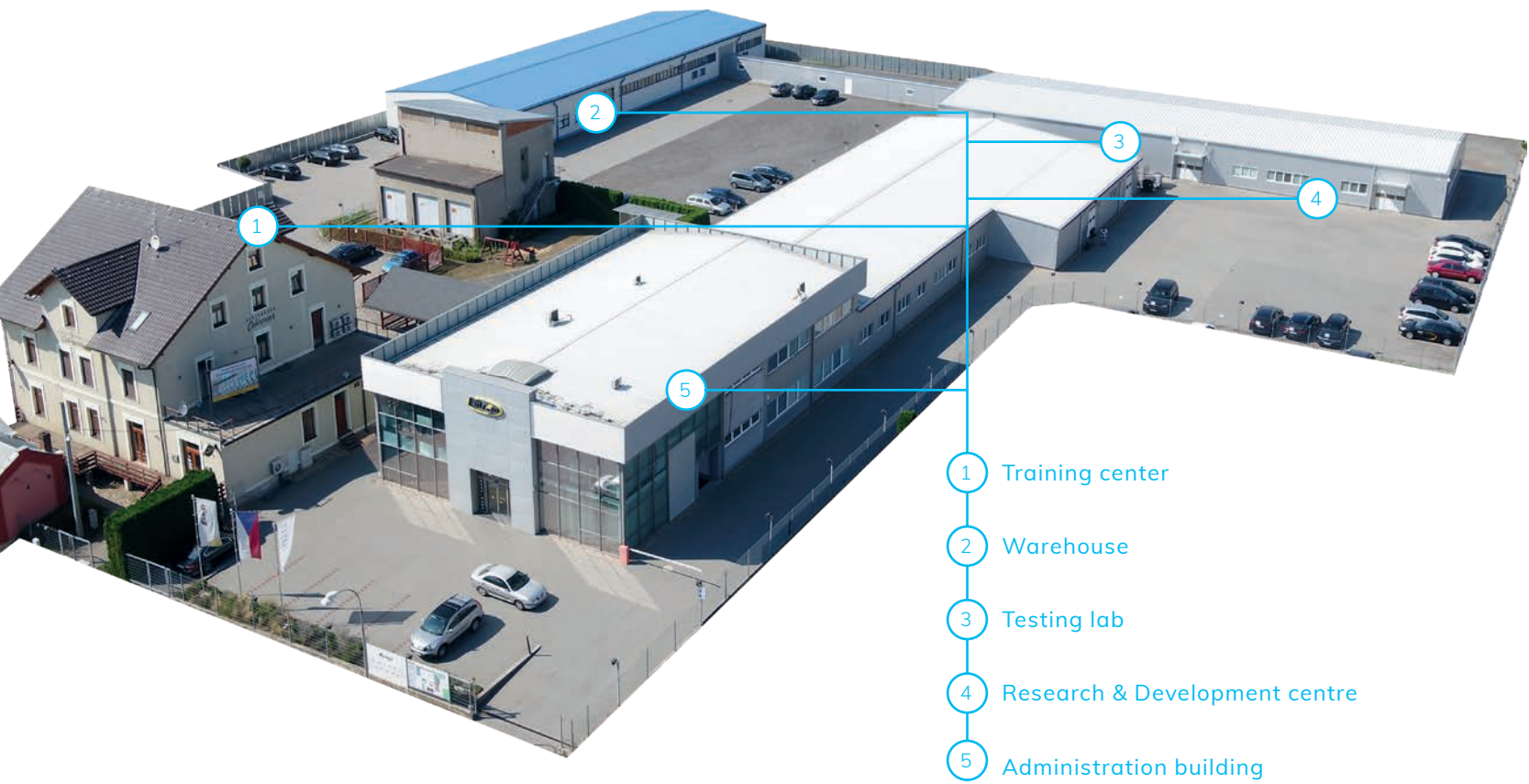
# Wireless Heating Control



## Solutions for:




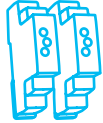
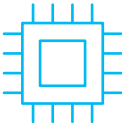



-  Radiator heating
-  Hydronic underfloor heating
-  Electric underfloor heating
-  Gas or electric boilers
-  Underfloor heating manifold
-  Electric convector & infrared heater
-  Fan coil

# About ELKO EP



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

Thanks to our in-house development and production facilities, we can deliver fully customized products tailored to the customer’s requirements – including design, labeling, and logo. All products are available in stock and can be supplied pre-programmed as a ready-to-use package for each hotel room. ELKO EP brings you modern solutions for room automation – whether it’s in senior homes, guesthouses, apartment buildings, boutique hotels, large hotels, or entire resorts.

			
<b>WORLDWIDE</b>	<b>500</b>	<b>10</b>	<b>30 000 000 +</b>
11 branches 3 franchises	employees in the Holding	reasons why ELKO EP	manufactured products
			
<b>R&amp;D</b>	<b>MANUFACTURER</b>	<b>SUPPORT</b>	<b>5 YEARS</b>
continuosly innovative	fully automated complete proces	24 / 7 / 365	warranty as standard

## Czech Quality, Global Reach

We are a 100% Czech company with in-house development and production, ensuring top standards in quality, innovation, and reliability.

With branches and partners worldwide, we’re ready to support your project – anywhere.

“**ELKO EP**  
We make the World  
Smarter



### In House

A team of 30 engineers continuously innovates and improves our products.



### Made in Czech

Every products are produced in Holešov on modern automated production lines.



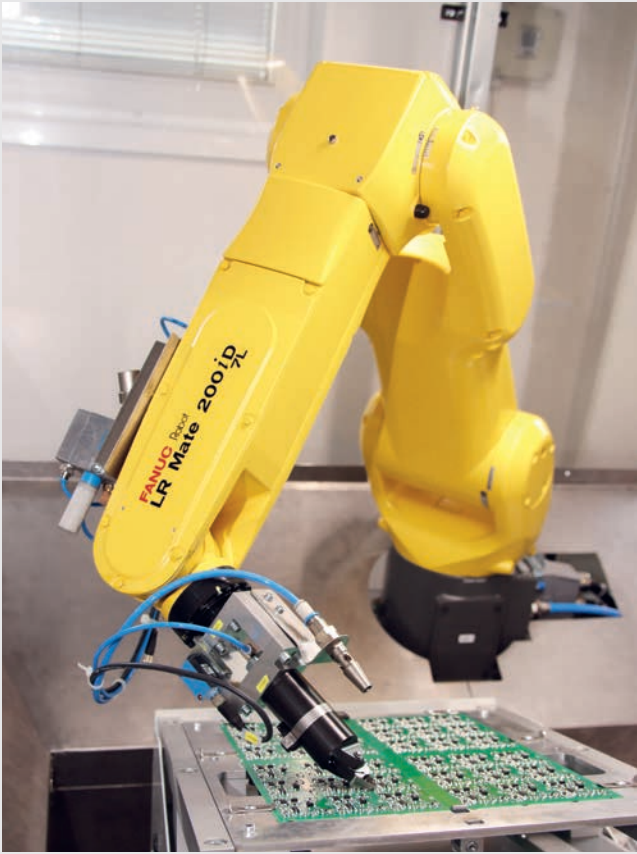
### Sales network

16 branches, 6 franchisees  
  
Over 70 representatives ensure personalized service and high-quality support.



### Support

Available 24/7. We assist with technology, installation, logistics, and on-line tools.



## Awards & membership



Jiří Konečný  
Entrepreneur  
of the Year



The company ranked  
among the top 100  
Czech businesses.



Czech Business  
Superbrands



Golden Amper  
Award for the  
iNELS “Wireless  
System”



Czech Top 100  
Most Admired  
Companies



Electrical Association of  
the Czech Republic



Connectivity  
standards alliance



Czech Product



# Why choose iNELS Wireless heating control?



## Installation savings

Initial costs are a key factor when choosing a heating system. iNELS Wireless control not only saves on the products themselves but also on installation. The absence of wiring reduces construction work, eliminates the need for complex cabling, and speeds up the entire installation process.

The result is a more efficient and cost-effective solution.



## Energy-saving solution

Keeping operating costs low is just as important as reliable performance and comfort. The iNELS wireless heating control helps optimize energy consumption by enabling precise temperature management in individual zones and adapting to current heating needs.

The system operates efficiently even under partial load, resulting in long-term savings.



## Minimal maintenance requirements

Wireless iNELS systems minimize the need for regular maintenance. Automated functions, remote diagnostics, and easy operation mean fewer interventions and lower service costs.



## No wires, no mess

Traditional systems require wiring and technical rooms, taking up valuable space. iNELS wireless system eliminates the need for complex installations, giving you more room for what really matters—whether in homes, hotels, or commercial buildings.



## Easily expandable to a full Smart Home

Traditional heating needs fixed wiring and setups. iNELS wireless lets you start smart heating easily—and expand to lighting, blinds, security, and more. No rewiring, no extra rooms, just flexible comfort.



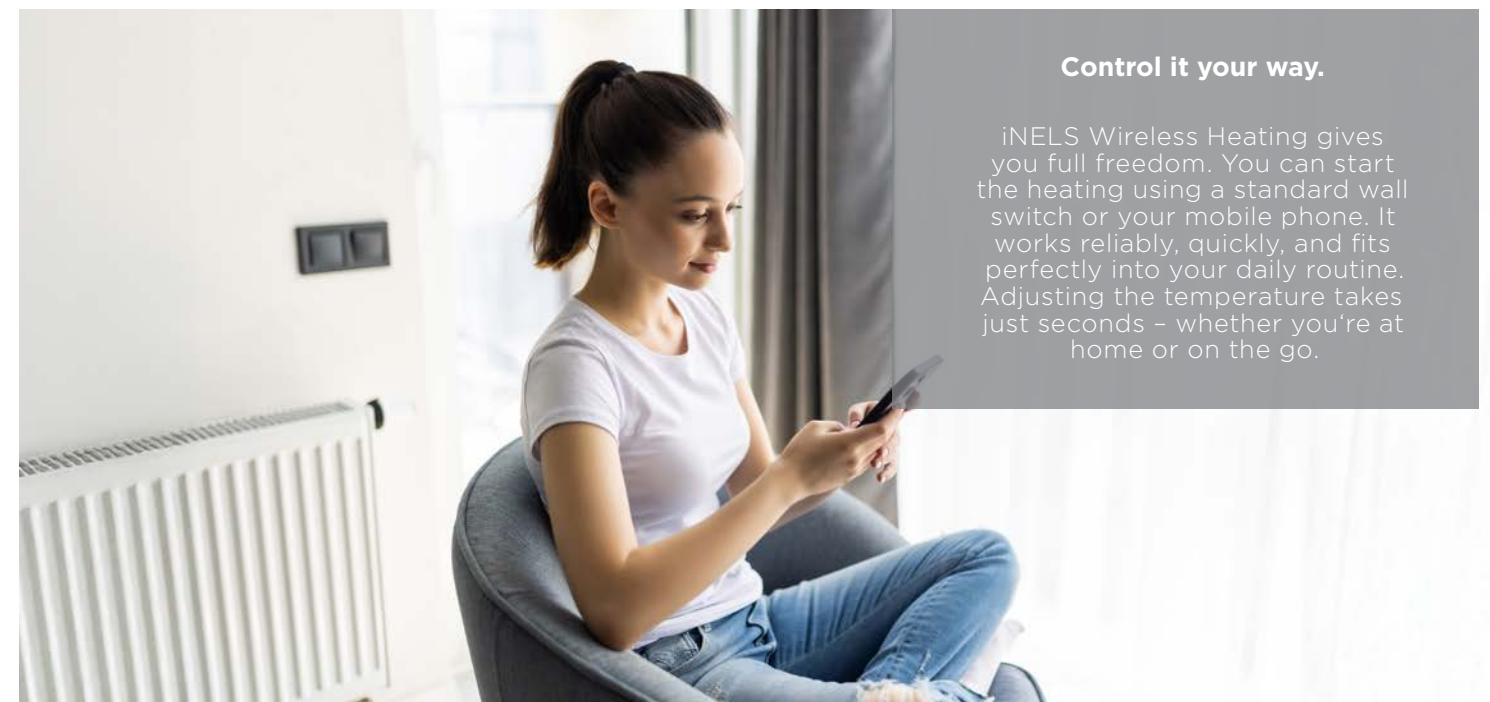
## Your comfort is our priority



< More references

## Control it your way.

iNELS Wireless Heating gives you full freedom. You can start the heating using a standard wall switch or your mobile phone. It works reliably, quickly, and fits perfectly into your daily routine. Adjusting the temperature takes just seconds – whether you're at home or on the go.



# Heating Control Options



## iNELS Wireless Heating Control

Allows control of all types of heaters and heating systems, even in combination. Thanks to wireless communication (sub-Ghz band, no Wifi !) it is effective for installation in existing buildings or renovations. It provides both central control from a single thermostat or phone app, as well as local control in a given room. The control options can be combined with each other.



### Convectors, heating panels, radiant infrared heaters

We integrate direct-fired heaters into our wireless system – switching is handled via installation boxes or switchboards.



### Radiator heating

We wirelessly control radiators or panels with water from a central boiler – replacing standard thermostatic valves with smart regulation.



### Gas or electric boiler

We manage boilers as heat sources for radiators and floor heating – ensuring they run only when zones actually demand heat.



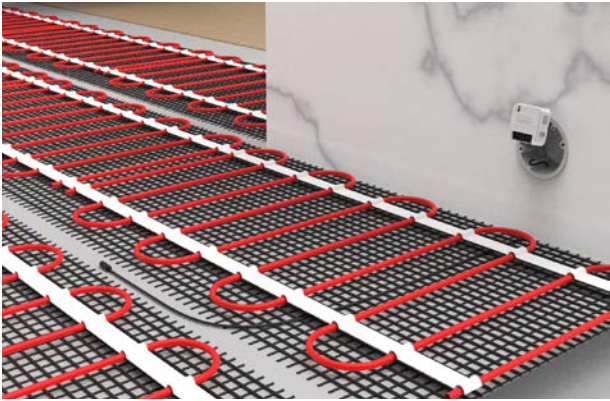
### Water underfloor heating

We control water-based underfloor heating by zones – wirelessly connected to thermostats and actuators on the heating manifold.



### Fan coil

We can control fan coils with 2- or 4-pipe systems – managing mode, fan speed, and thermostats through our wireless setup.



### Electric underfloor heating

Electric cables or mats installed under the floor are easily managed by our wireless system – connected via a junction box or directly in the switchboard.

Your Ultimate  
iNELS Knowledge Hub:  
**wiki.inels.com**



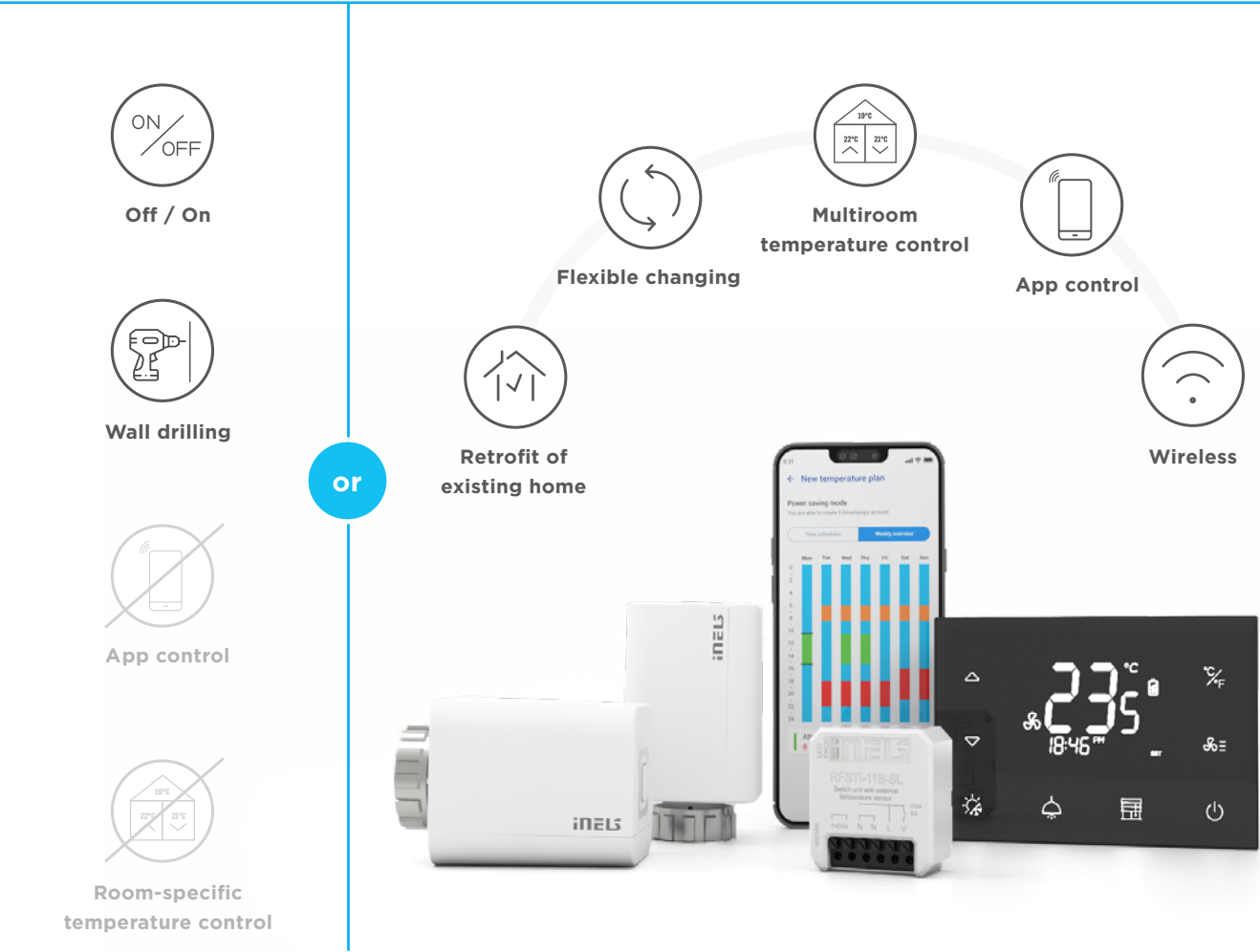


# Before & After

Traditional thermostats only turn heating on or off. iNELS offers smart wireless regulation with temperature control in each room, saving energy and reducing costs. Flexible installation without wall drilling provides comfort and savings.

## Traditional thermostat

## iNELS Wireless Heating Control



## How will the iNELS help you save money?

Settings

Normal

15°C 20°C 24°C 28°C

Automat Temporary Manual Holidays

PIR detector

Arm Disarm

Heating schedule

Mon	Tue	Wed	Thu	Fri	Sat	Sun
15.0°	15.0°	15.0°	15.0°	15.0°	15.0°	15.0°
24.0°	24.0°	24.0°	24.0°	24.0°	24.0°	24.0°
20.0°	20.0°	20.0°	20.0°	20.0°	20.0°	20.0°
28.0°	28.0°	28.0°	28.0°	28.0°	28.0°	28.0°

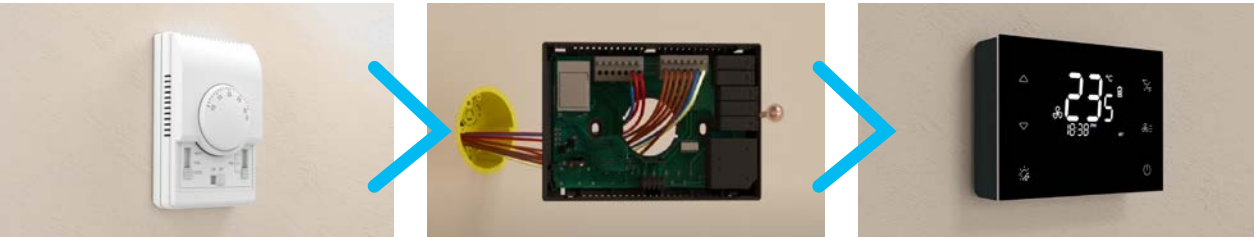
Thinks instead of you

It turns off when a window is open or when no one is home.

Heating plan according to set schedules

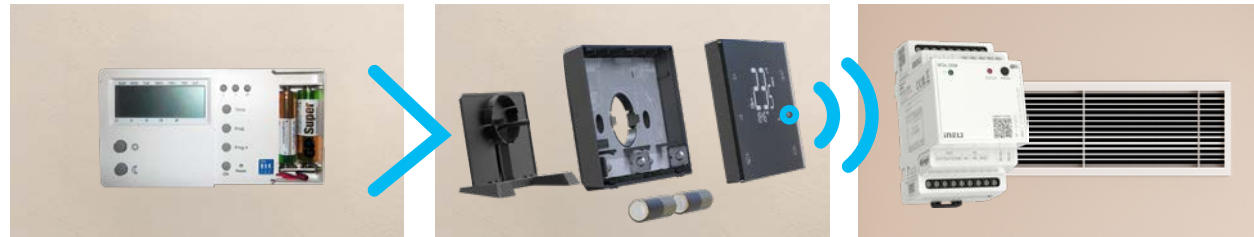
# Retrofit Use Cases

## 1. RFTC-3: Fan coil Thermostat



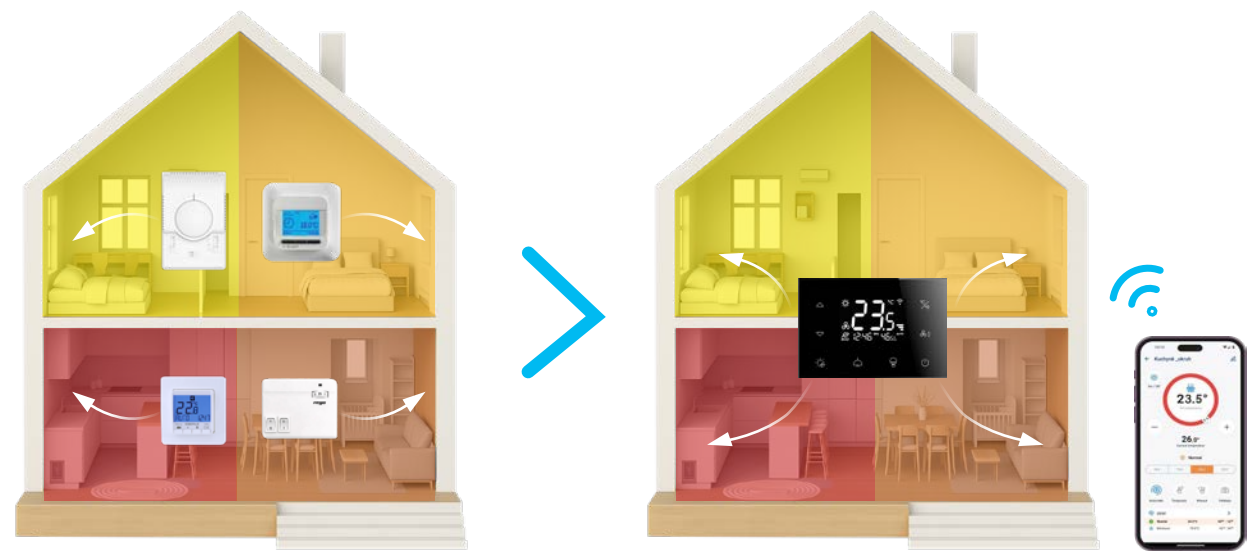
The old thermostat is ugly, inaccurate, and often non-functional. The new thermostat easily connects to the original wiring. The glass thermostat controls the fan coil and sends MUR/DND signals to the RFGS-30S door panel.

## 2. RFTC-4: Battery powered Thermostat



Existing battery thermostat with built-in bistable relay. The RFTC-4 can be placed in place of an existing one, but can also be placed anywhere or on a stand. The wireless actuator that switches the heating device can be placed near or inside the heater.

## 3. RFTC-7: Multizone thermostat



Each room has its own thermostat with no central or remote control possibility. The RFTC-7 controls all rooms from the one place and also by app when you are away.

# Multizone control



One thermostat  
to control up to 16 zones

Reliable Wireless



# Thermostats Overview

All types available in Black and White glass colour options.

		RFTC-3	RFTC-4	RFTC-6	RFTC-7	RFTC-10	RF-TOUCH 2
Power supply		AC 230V	BATTERY/ USB-C	AC 230V	USB-C	BATTERY	POE
Zone numbers		1	1	16	16	1	
Heating types	Fan coil - direct switching	●	○	○	○	○	○
	Fan coil via external actuator	●	●	○	○	○	○
	Built-in relay 16A	○	○	●	○	○	○
	Thermostatic radiator valve RFATV-2	○	●	●	●	●	●
	switching actuator RFSA	●	●	●	●	●	●
Sensors & Inputs	dry inputs (wire contacts)	●	●	○	○	○	○
	temperature built-in	●	●	●	●	●	●
	humidity built-in	●	●	●	●	○	●
	temperature external (wired)	●	●	●	○	○	○
	window (Wireless)	●	●	●	●	○	●
	occupancy (Wireless)	●	●	●	●	○	●
Communications	Proximity	●	○	○	○	○	○
	Wifi	●	●	●	●	○	●
	iNELS Wireless	●	●	●	●	●	●
	Modbus	●	●	○	○	○	○
	0-10V outputs	●	●	○	○	○	○
Hotel functions	Courtesy (DND/MUR)	●	●	○	○	○	○
	Occupancy	●	●	●	●	○	○
Protocols	MQTT	●	●	●	●	○	○
	iNELS.cloud	●	●	●	●	○	●
	Web Remote Control	●	●	●	●	○	●
	Local eLAN automations	●	●	●	●	●	●

● With RFSA-266M actuator  
● Only with external power supply

# Actuators Overview

Water			Electric		
RFATV-2 Thermostatic radiator valve	TELVA2 Electric Thermal Actuator	RFSA-66M Switching units 6-channels	RFSTI-11B-SL Switching unit with external sensor	RFSA-61M Switching unit 16 A	RFSA-266M Switching unit for Fan coil
Radiator	Hydronic underfloor	Heating manifold with thermodrivers	Electric underfloor	Electric Heater	Fan coil

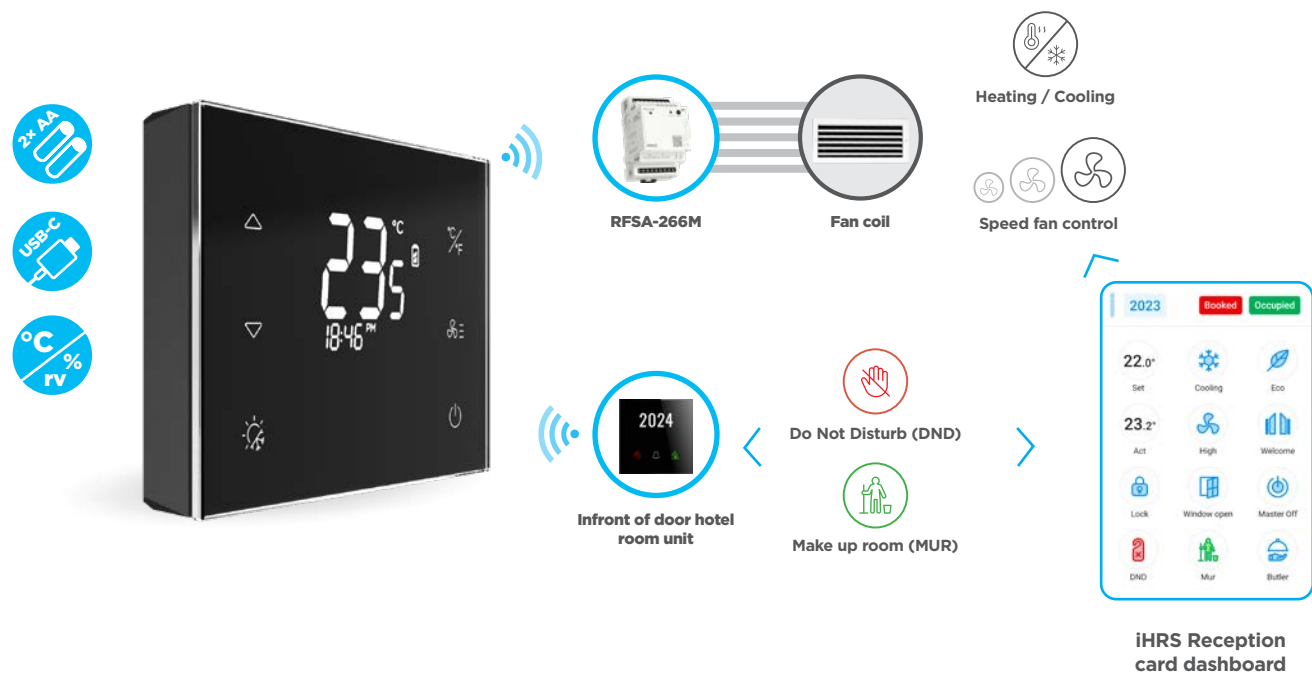
RFTC-3  
Fan coils-direct switching  
Hotel Integration

Thermostat with built-in relays for direct control of the fan coil including 2x analogue 0-10V outputs. Optional MUR/DND buttons for hotel courtesy functions. AC 110-230V power supply.



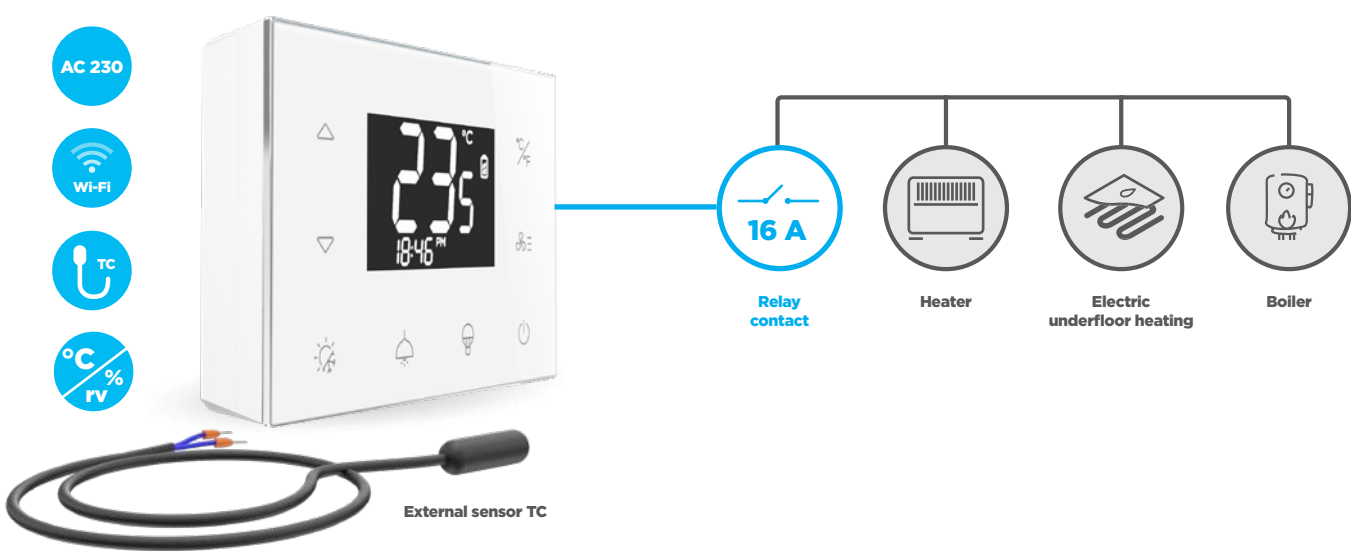
RFTC-4  
Fan coils via  
external actuator,  
battery powered

Battery powered thermostat for controlling the RFSA-266M wireless Fan coil actuator or any of RFSA switching actuators for controlling various types of heating. Alternatively, it can also be powered from an external USB-C.



RFTC-6  
Wireless glass zone thermostat  
with built-in relay

Thermostat designed for direct switching of heating circuit with power up to 4000VA. Galvanically isolated switching contact for switching of independent central boiler. Possibility to connect an external floor temperature sensor for electric floor heating.



RFTC-7  
Thermostat for Multizone  
Tabletop

Thermostat for controlling different types of heating in up to 16 zones. A single central thermostat can control the heating differently in each room in the house, while retaining the ability to change the temperature locally RFTC-10 or in the phone app.



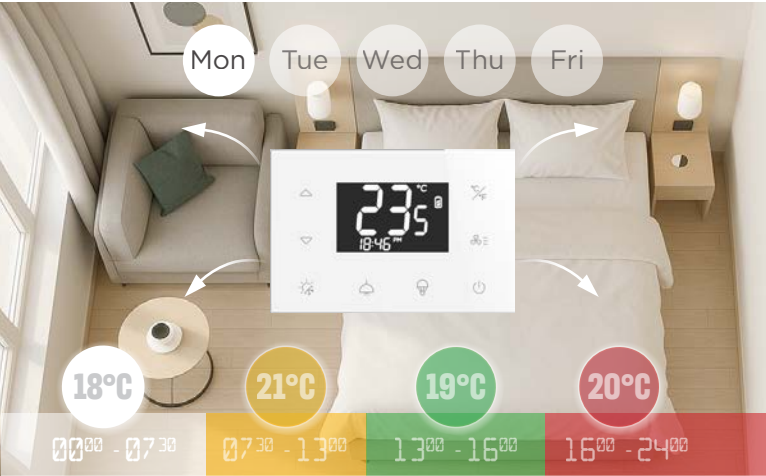




# Heating that adapts to you

## Set your own schedule

Adjust your heating to fit your daily routine – for example: from 6:00 to 8:00 and from 17:00 to 20:00. You decide when your home should be warm and when it should save energy. Perfect for busy weekdays or lazy weekend mornings.

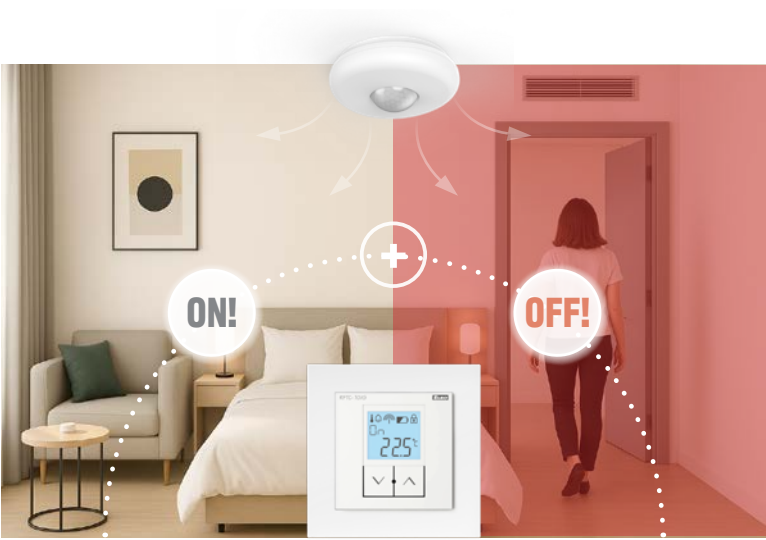


## Zoned control by room and floor

Each room can have individual settings, yet everything can be managed centrally. You decide where it should be warm and when – a cozy bedroom in the evening, a warm bathroom in the morning, or a cooler living room during the night.

## Automatic on/off

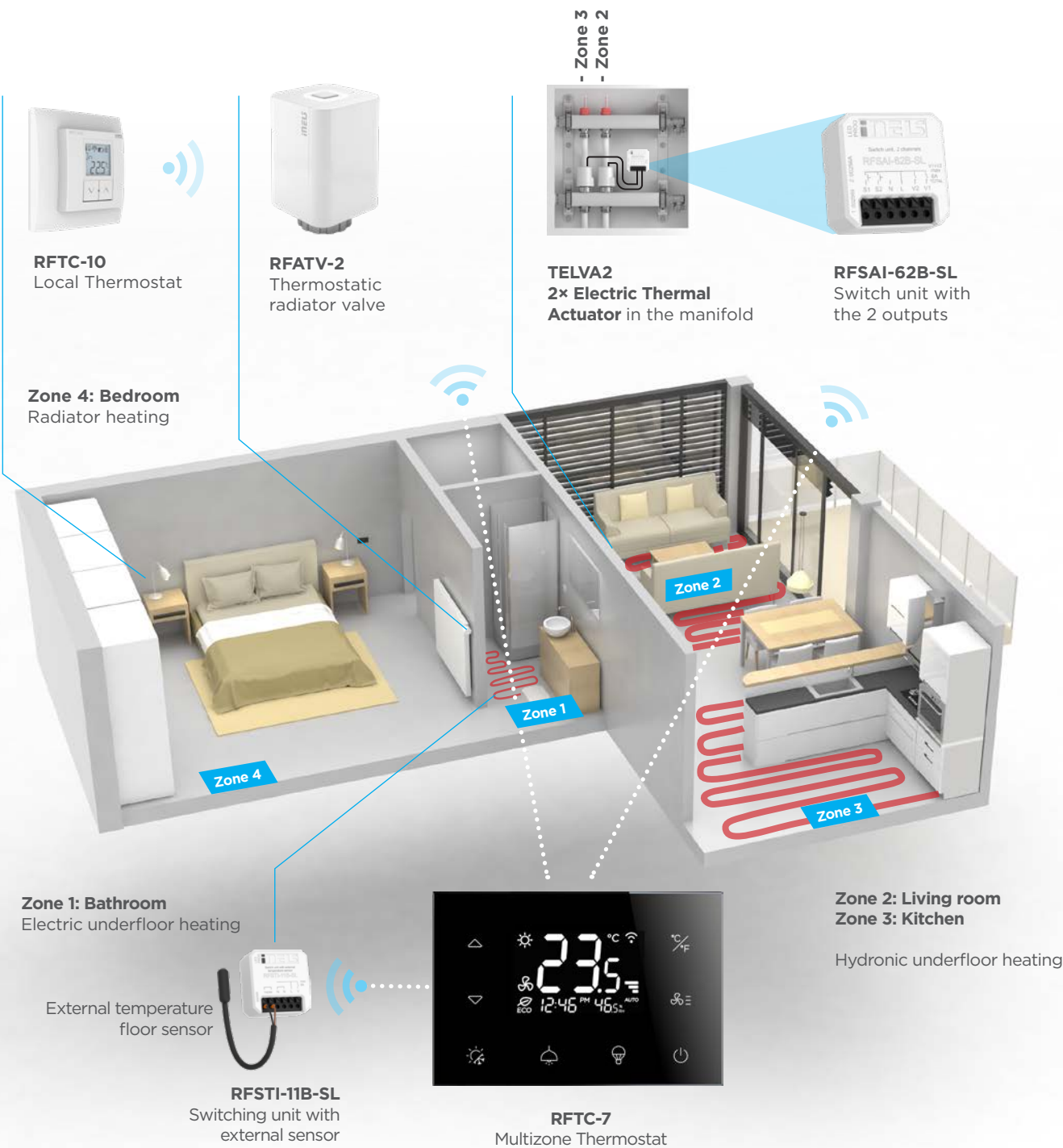
When you're away, the RMD-200 ceiling motion detector recognizes your absence and automatically switches the heating to energy-saving mode. Before you return, it turns the system back on so you arrive to a warm and cozy home. Thermostat RFTC-10 keeps the temperature just right – with no need to set or remember.





# Apartment

Heating Medium: WATER



## Bathroom Zone 1

Electric underfloor heating (heating mat or cable), controlled by an RFSTI-11B-SL switching actuator (up to 2000W) or RFSTI-11B (up to 4000W).



## Living Room Zone 2

Hydronic underfloor heating, circuit 2, controlled by a TELVA Electric Thermal Actuator and the 2nd output of the RFSAI-62B/S� switching actuator.



## Kitchen Zone 3

Hydronic underfloor heating is managed by a TELVA Electric Thermal Actuator on the 1st output of the RFSAI-62B/S�. Temperature is controlled by an RFTC-7 at the Kitchen-Living Room interface, or by an RFTC-6 with an external floor sensor.

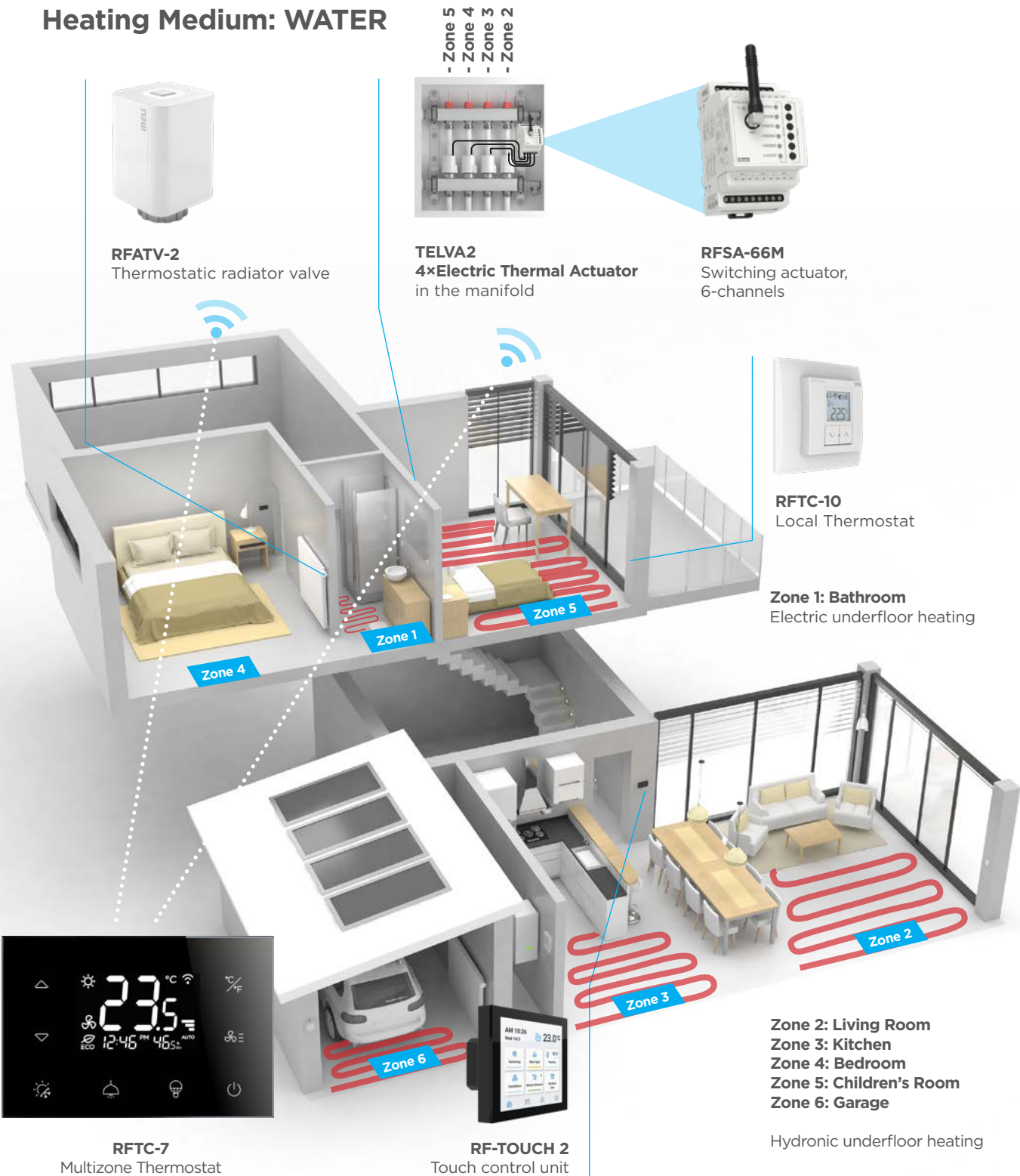


## Bedroom Zone 4

Hydronic radiator controlled by an RFATV-2 Thermostatic radiator valve, managed by the RFTC-7 thermostat from the kitchen. Temperature is measured by the thermostatic head. An additional RFTC-50 thermostat can be added for local temperature adjustment.

# Family House I.

Heating Medium: WATER



## Bathroom Zone 1

Electric underfloor heating (heating mat or cable), controlled by an RFSTI-11B-SL switching actuator (up to 2000W) or RFSTI-11B (up to 4000W).



## Living Room Zone 2

Hydronic underfloor heating, circuit 1, controlled by a TELVA Electric Thermal Actuator and the 1st output of the RFSAI-66M switching actuator located in the manifold.



## Kitchen Zone 3

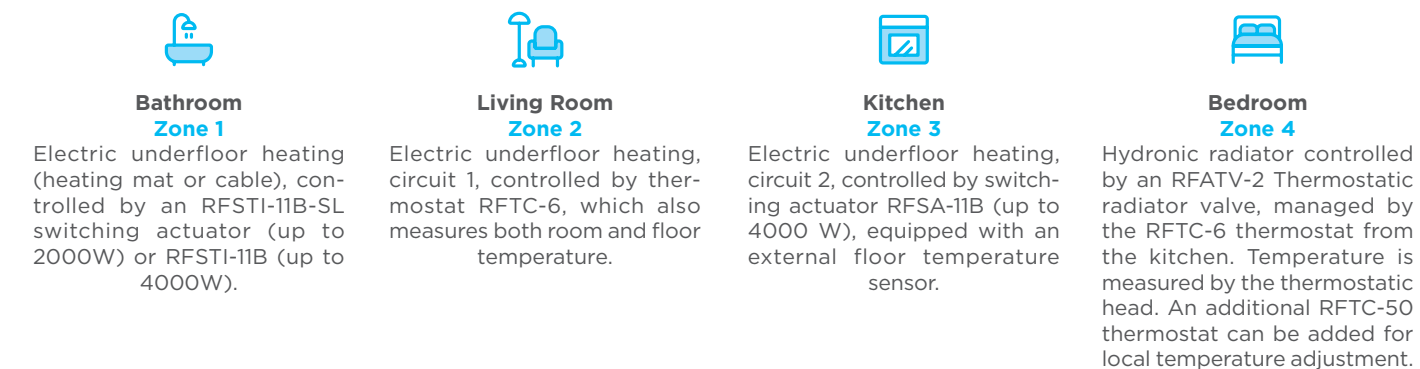
Hydronic underfloor heating, circuit 2 is controlled by a TELVA actuator via the 2nd output of the RFSAI-66M in the manifold. Temperature is measured by an RFTC-7 at the Kitchen-Living Room interface, or by an RFTC-6 with an external floor sensor.



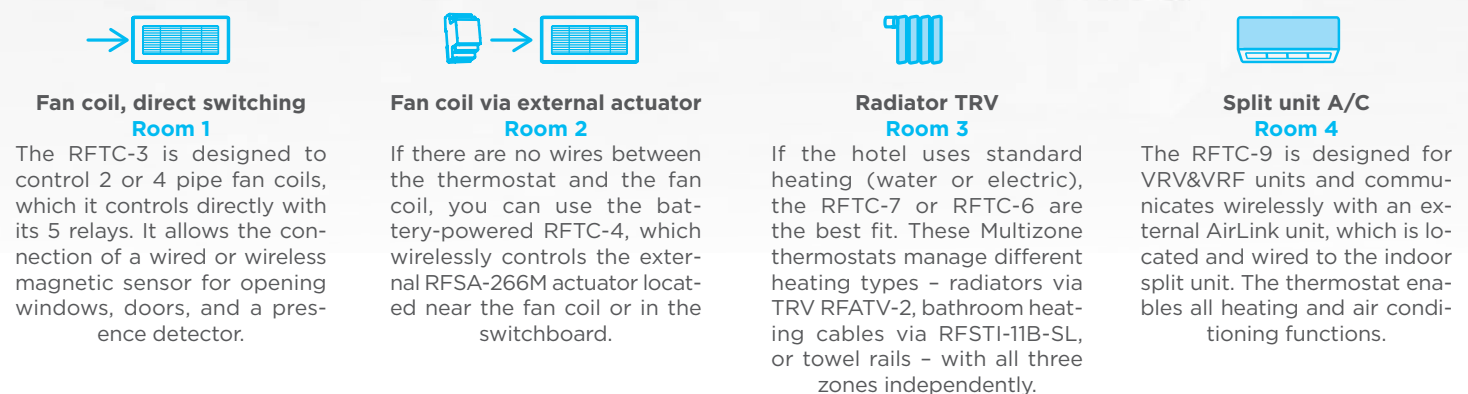
## Bedroom Zone 4

Hydronic radiator controlled by an RFATV-2 Thermostatic radiator valve, managed by the RFTC-7 thermostat from the kitchen. Temperature is measured by the thermostatic head. An additional RFTC-50 thermostat can be added for local temperature adjustment.

**Medium: ELECTRIC**



**Medium: WATER/ELECTRIC**





# Commercial spaces



## Advantages

The advantage of the LoRaWAN wireless network is its long range, which ensures reliable coverage throughout the entire building. In addition, the end devices are energy efficient, have low power consumption, and can therefore run on batteries.



## Property size

Ideal for large buildings (schools, government offices, offices) that are heated by hot water radiators and can be fitted with LoRaWAN TRVs.



## Control

All control and regulation then takes place in the cloud, with users having access to the application to change the temperature according to their rights. It is also possible to install RFTC-8 thermostats in designated zones.

## iNELS app:

Control your temperature comfortably from your phone







## iNELS app

Control your heating  
anytime, anywhere



The smart gateway eLAN-RF-103 and the RF Touch control panel allow you to control up to 16 heating Zones simultaneously. RFTC-7 supports up to 8 zones.



eLAN-RF-204

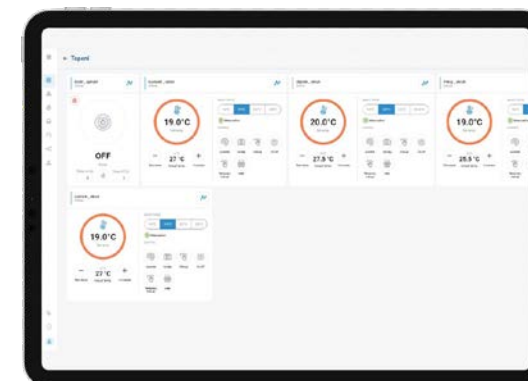
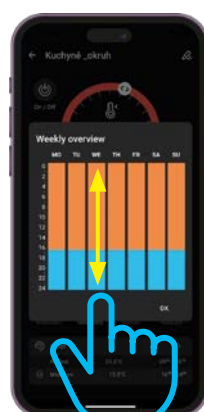
RF Touch-2

RFTC-7

### Weekly schedule settings

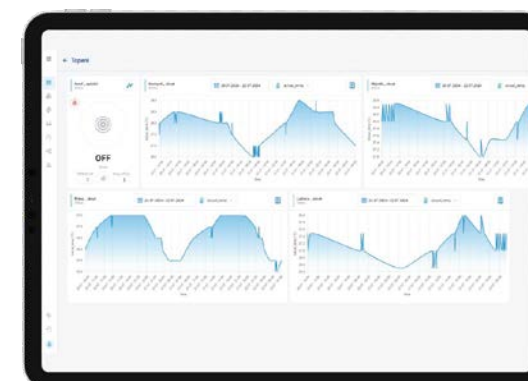
Time modes for heating control are a given. Setting or changing them in the app takes only a few seconds, unlike with traditional thermostats.

You can control temperature Zone both locally and remotely. For remote control, you can use our cloud service or control via a static IP address.



### iNELS.Cloud control panel

In each heating Zone, you can simultaneously manage multiple heating elements, including the central source, add temperature sensors and thermostats, and designate which unit will be MASTER and which will be SLAVE.

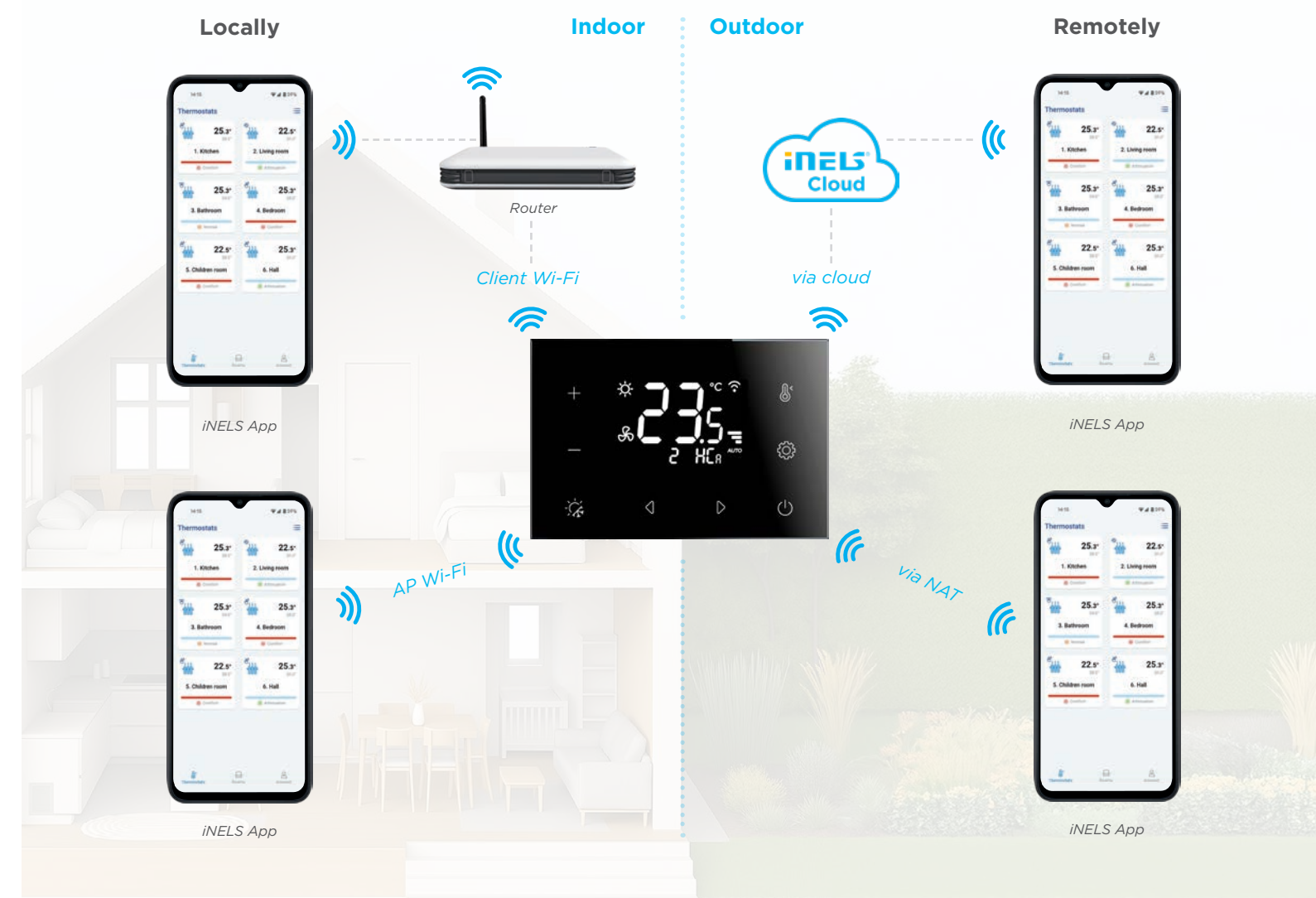


### iNELS.Cloud dashboards

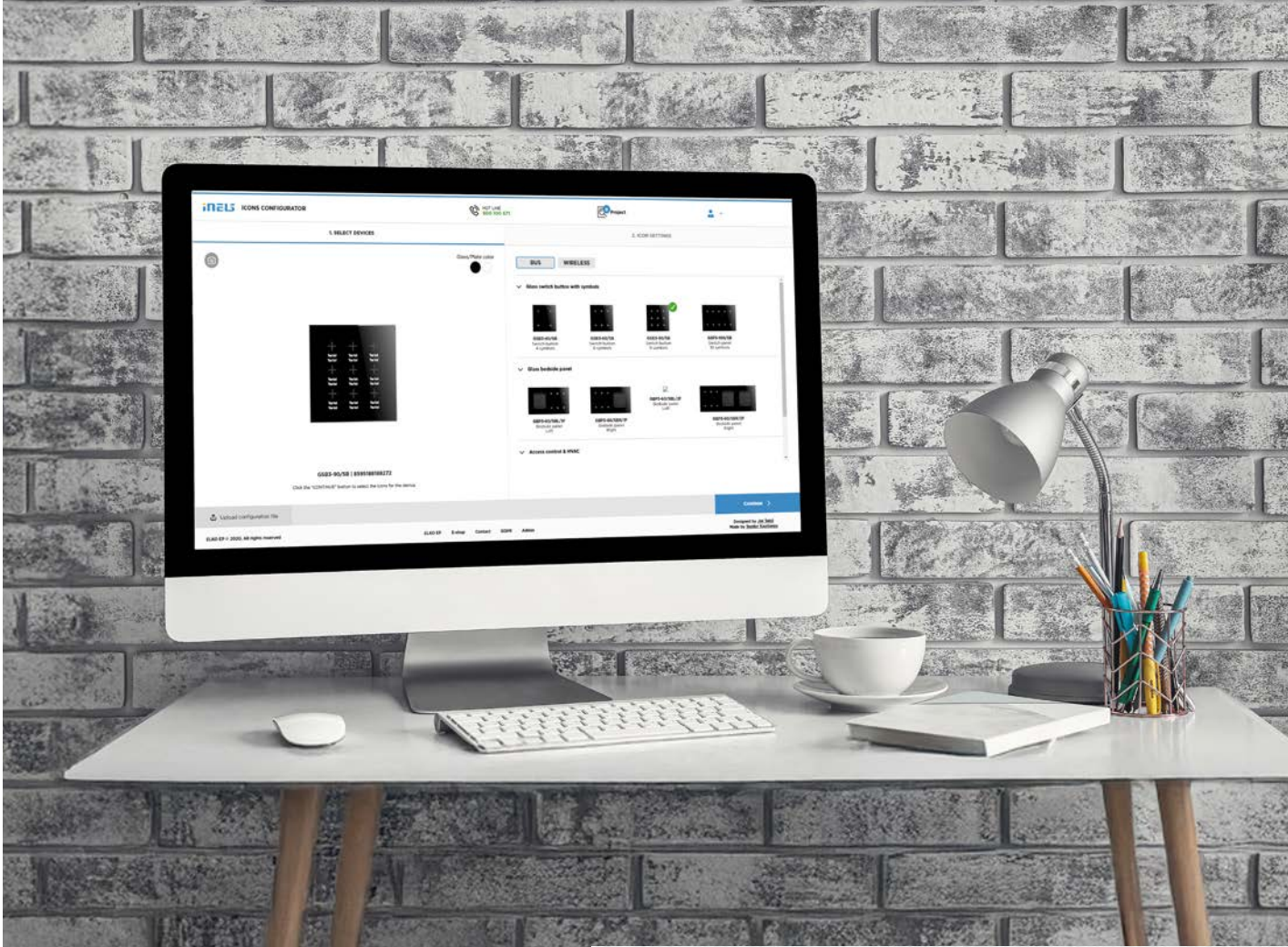
Cloud connection also provides clear graphs that help you better understand and manage your consumption. It also enables advanced conditions, allowing you to link heating control to systems like your security alarm to reduce heating when you're away.



## App control options



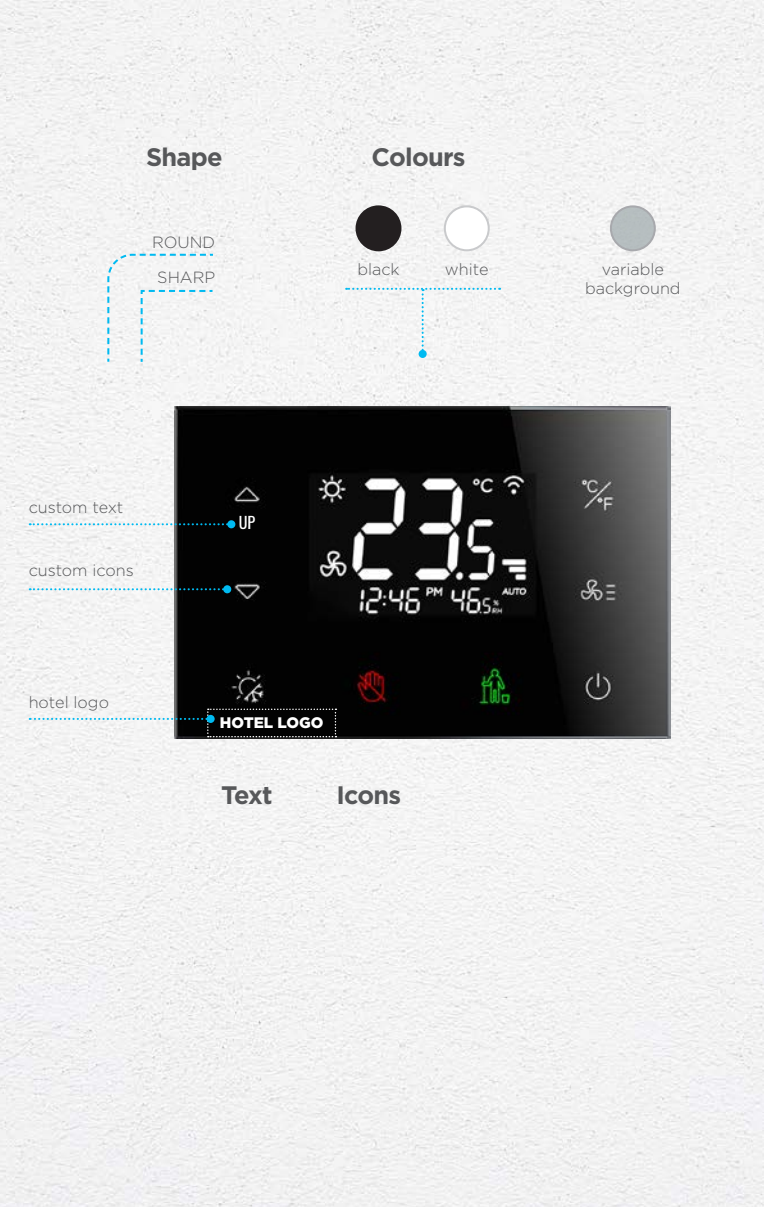




# Create your design

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.



## Icons library

### Light



### Climate



### Multimedia



### Shutters / Gates / Curtains



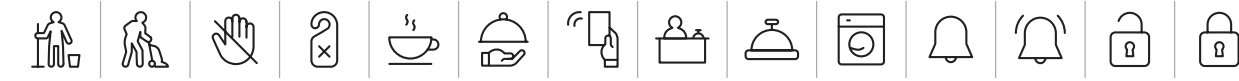
### Weather



### Leasure



### Courtesy



### Rooms



### Others

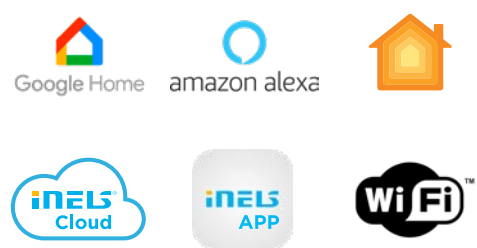


Online customization:  
**icons.inels.com**

# RFTC-7

Glass touch wireless thermostat

- ✓ Wireless temperature control
- ✓ Elegant minimalist design
- ✓ Easy installation and operation
- ✓ Compatible with iNELS Wireless devices



### Technical specifications

Dimensions:	120x80x27 mm	
Weight:	230 g (RFTC-3), 175 g without batteries (RFTC-4), 200 g (RFTC-6), 185 g (RFTC-7)	
Shape:	Sharp edges (SHARP)	
Color (glass and plastic):	White	Black
Standards:	EN 60730, EN 63044, EN 301489, EN 300220	

### Power supply

Supply voltage:	110–230 V AC (RFTC-3, RFTC-6), 2x AA 1.5 V or USB-C 5 V (RFTC-4), USB-C 5 V (RFTC-7)
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### Sensors (internal)

Temperature:	0 to +55 °C, accuracy ±0.5 °C
Humidity:	0–99% RH, accuracy ±3%

### Additional Data

Operating Temperature / Humidity:	0 to 50 °C / max 80 % RH
Storage Temperature:	-20 to +60 °C
Protection rating:	IP30 (mounted)
Overvoltage category:	II.
Pollution degree:	2
Operating position:	horizontal
Installation:	on EU or British box with 60 mm screw spacing, desktop stand

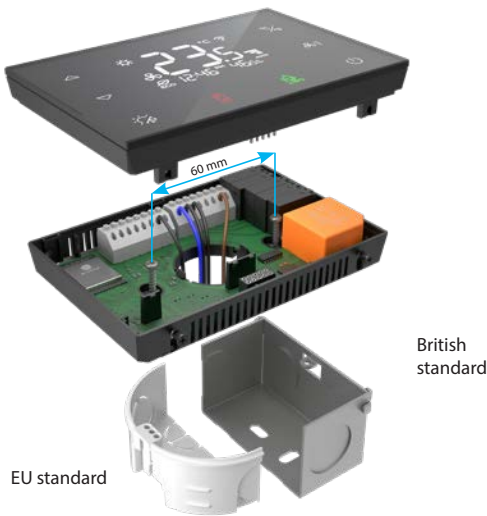
### Communication

Radio:	iNELS RFIO2, frequency 866–922 MHz
WiFi:	2.4 GHz

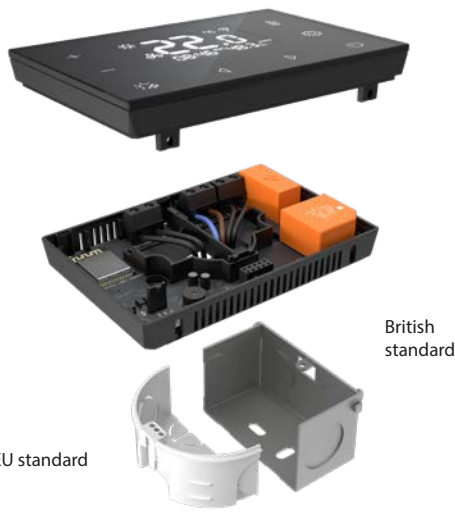
### Control and Display

Display:	LCD (VA/TN), active area 54 x 34 mm
Buttons:	8x capacitive, backlit, configurable

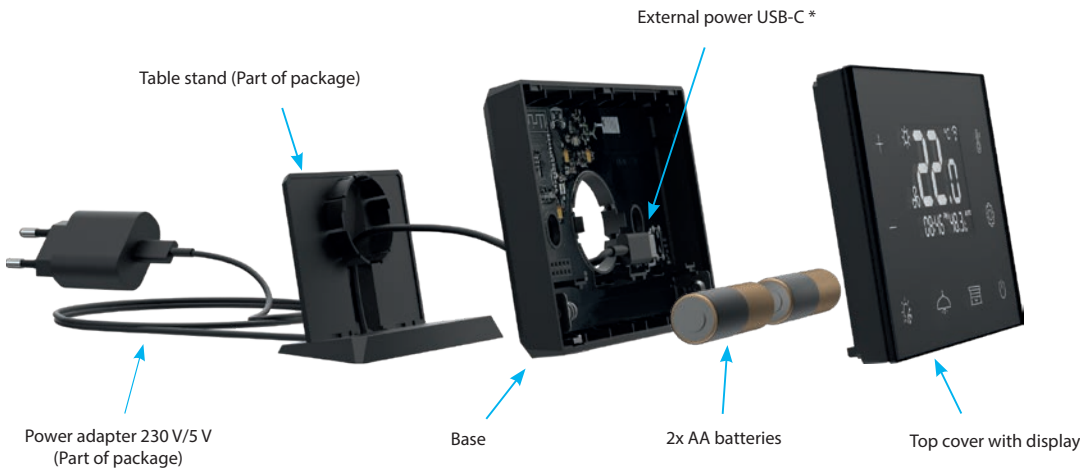
### RFTC-3 Glass thermostat for Fan coils



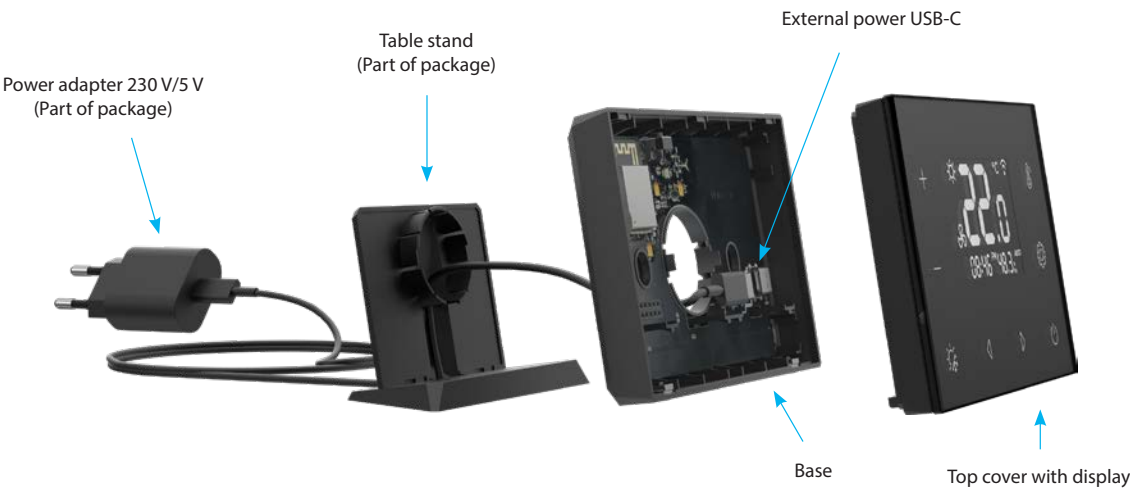
### RFTC-6 Wireless glass zone thermostat with built-in power relay



### RFTC-4 Wireless glass thermostat for Fan coils, battery powered



### RFTC-7 Wireless glass zone thermostat





# RF Touch-2

Touch control unit

- ✓ Central system control
- ✓ Touch color display
- ✓ Programmable scenarios
- ✓ Compatibility with RF devices



Communication	RF Touch-2/BE	RF Touch-2/BR
Wireless		
Communication protocol:	RFIO2	
Frequency:	866–922 MHz (see more on page85)	
Range:	up to 200 m in open space	
Minimum distance from Wireless device:	1 m	
WiFi		
Protocols:	802.11 b/g/n (802.11n up to 150 Mbps) A-MPDU a A-MSDU	
Frequency:	2.4 GHz	
LAN		
Ethernet:	100 Mbit/s	–
Display		
Type:	Color TFT LCD 4"	
Resolution:	480 x 480 pixels	
Visible area:	72 x 72 mm	
Backlight:	Active (white LED)	
Control:	Capacitive touch	

Power Supply	RF Touch-2/BE	RF Touch-2/BR
USB-C:	5 V	5 V
Passive PoE:	24 V	—
Terminal block:	10-30 V DC	
Power consumption:	max. 3 W	
Built-in sensors		
Temperature	0-50°C ; 0.2°C accuracy within range	
Humidity	0-100% ; 2% accuracy within range	
Operating Conditions		
Operating temperature:	0 to +50 °C	
Storage temperature:	- 20 to +70 °C	
Protection rating:	IP20	
Surge category:	III.	
Installation:	For installation box	
Dimensions:	86 x 86 x 10 (37)	
Weight (plastic):	120 g	
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489, EN 300 328	

# RFTC-10

Wireless Thermostat

- ✓ Simple control
- ✓ Long battery life

Technical specifications	
Power supply:	2 x 1.5 V AAA batteries
Display:	LCD, character type / see display description
Temperature measurement:	internal sensor
Communication protocol:	RFIO
Frequency:	866–922 MHz
Repeater function:	no
Signal transmission:	bidirectional addressed message
Range:	up to 100 m in open space
Minimum control distance:	20 mm



Additional information	
Max. number of controlled RFSA-6x devices:	1 (RFTC-10), 4 (RFTC-50)
Program:	x
Operating temperature:	0 to +55 °C
Protection rating:	IP30
Dimensions - plastic:	85 x 85 x 20 mm
- metal, glass, wood, granite:	94 x 94 x 20 mm
Weight:	66 g (without batteries)
Applicable standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# RFWD-100/RFMD-200

Motion detector

- ✓ Window/Door detector
- ✓ Ceiling mounting

Technical specifications	
Power supply:	1x 3 V CR 2032 battery (RFWD-100) 2x 1.5 V AA batteries (RFMD-200)
Battery life:	up to 1 year, according to the number of activations
<b>Control</b>	
Communication protocol:	RFIO
Frequency:	866–922 MHz
Repeater function:	no



Additional Information	
Detection distance:	max. 9.5 m (RFMD-200)
Recommended working height:	max. 2.5 m (RFMD-200)
Working temperature:	-10 to +50 °C
Protection:	IP20
Dimension:	25 x 75 x 16 mm (RFWD-100), ø 95mm (RFMD-200)
Weight:	13 g (RFMD-200)
Related standards:	EN 60730, EN 63044, EN 301489, EN 300220

# RFATV-2

## Thermostatic radiator valve

- ✔ Direct control and temperature measurement
- ✔ Easy integration into the system

Technical specifications	
Power supply:	2× 1.5 V AA batteries
Battery life:	1 year depending on usage frequency
Control	
Communication protocol:	RFIO
Frequency:	866–922 MHz
Wireless command from remote control:	eLAN-RF-103, RF Touch 2
Range:	up to 200 m in open space



Additional Information	
Operating temperature:	0 °C to +50 °C
Operating position:	any
Protection rating:	IP40
Dimensions:	52 x 52 x 70 mm
Thermostatic valve thread:	M 30 x 1.5
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# TELVA-2

## Electric Thermal Actuator

- ✔ Available solution for distribution boards
- ✔ Control via switching actuators

Technical parameters	TELVA 230V	TELVA 24V
Operating voltage:	230 V, 50/60 Hz	24 V, 50/60 Hz
Max. switching current:	300 mA	500 mA
Operating current:	13 mA	100 mA
Closing/opening time:	3–5 min	3–5 min
Power consumption:	2.9 W	2.4 W
Protection class:	IP54	IP54
Stroke:	4 mm	4 mm
Actuating force:	90–110 N	90–110 N



Cable length:	800–1000 mm	800–1000 mm
Connecting wire:	2 x 0.75 mm2	2 x 0.75 mm2
Medium temperature:	-5 °C to 60 °C	-5 °C to 60 °C
Color:	white RAL 9003	white RAL 9003
Dimensions (H/W/D):	63 x 42 x 45 mm	63 x 42 x 45 mm
Thread size:	M30 x 1.5 mm	M30 x 1.5 mm

# RFSA-66MI / RFSA-61M

## Switching actuator, 1-channel

- ✔ High-power switching
- ✔ Suitable for direct switching of boilers and water heaters

Technical specifications	
Power supply:	110–230 V AC, 50–60 Hz
Power consumption:	2.7 VA / 1.62 W
Number of contacts:	1x changeover
Rated current:	16 A/AC1, peak 30 A/<3 s
Switched power:	4000 VA/AC1, 384 W/DC
Wireless:	up to 25 channels (RFIO2, 866–922 MHz)
Range:	up to 200 m (open area)
Manual control:	PROG button (ON/OFF)
Repeater:	yes



Additional information	
Antenna:	integrated( RFSA-66MI), external (RFSA-61M)
Operating temperature:	-15 to +50 °C
Mounting:	DIN rail EN 60715
Protection rating:	IP20 (front panel)
Overvoltage category:	III.
Dimensions:	90 x 17.6 x 64 mm
Weight:	69 g ( RFSA-66MI), 75 g (RFSA-61M)
Applicable standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# RFSA-61B

## Wireless switching actuator

- ✔ Direct switching 16 A / 4000 W
- ✔ For direct switching of boilers and electric heating mats

Technical specifications	
Power supply:	230 V AC, 50–60 Hz
Power consumption:	7 VA / 0.7 W
Number of contacts:	1x switching
Rated current:	16 A / AC1
Switched power:	4000 VA / AC1, 384 W / DC
Wireless:	866 MHz, 868 MHz, 916 MHz
Range:	up to 200 m (open area)
Manual control:	PROG button (ON/OFF)
External button:	max. 12 m cable



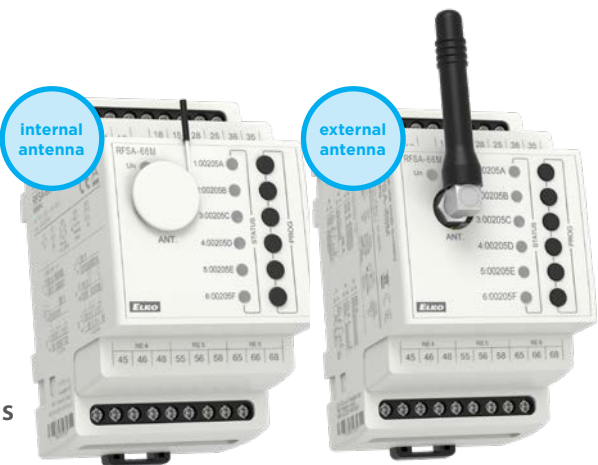
Additional information	
Min. switching power DC:	500 mW
Operating temperature:	-15 to +50 °C
Operating position:	any
Protection rating:	IP30
Overvoltage category:	III.
Dimensions:	49 x 49 x 21 mm
Weight:	46 g
Applicable standards:	EN 60669, EN 300 220, EN 301 489 RTTE Directive, Decree No. 426/2000 Coll. (Directive 1999/EC)



# RFSA-66MI/RFSA-66M

Switching units for Fan coil, 6-channels

- ✔ Ideal for switching 0/1 thermal heads
- ✔ For distribution box in water-based heating systems



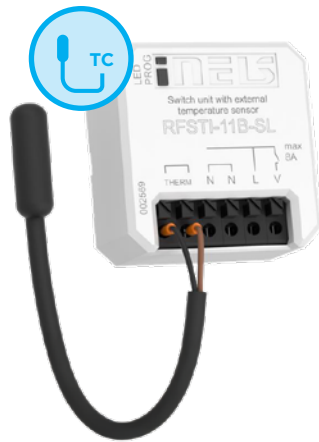
Technical specifications	
Supply voltage:	12–24 V AC/DC ( RFSA-66MI/ 24V, RFSA-66M/ 24V) 110–230 V AC ( RFSA-66MI/ 230V, RFSA-66M/ 230V)
Power consumption (loss):	max. 1.8 W
Number of contacts:	3x ECO, 3x NO
Rated current:	8 A/AC1
Switched power:	2000 VA/AC1
Wireless control:	up to 25 channels (buttons)
Communication protocol:	RFIO2
Range:	up to 200 m (open area)
Repeater function:	yes

Additional Information	
Antenna:	integrated (RFSA-66MI), external (RFSA-66M)
Operating temperature:	-15 to +50 °C
Mounting:	DIN rail EN 60715
Ingress protection:	IP20 (front panel)
Overvoltage category:	III.
Dimensions:	90 x 52 x 65 mm
Weight:	171 g (RFSA-66MI), 179 g (RFSA-66M)
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# RFSTI-11B-SL

Switching unit with external sensor

- ✔ Precise underfloor heating control
- ✔ External and internal temperature sensor



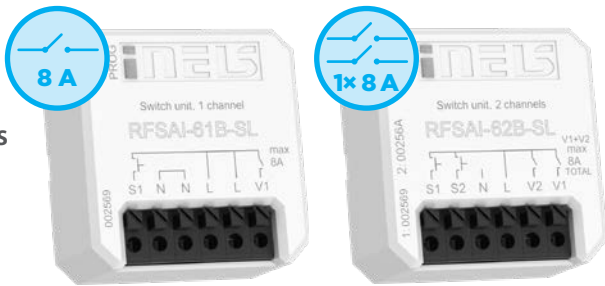
Technical specifications	
Power supply:	230 V AC
Power supply frequency:	50-60 Hz
Output:	1× switching contact, 8 A / AC, 12,000 VA / AC1
Control:	Wireless, manual
Communication protocol:	RFIO2
Operating temperature:	-15 to + 50 °C
Range:	up to 200 m in open space
Protection rating:	IP40

Additional information	
Repeater function:	yes
Connection:	screwless terminals
Dimensions:	43 x 44 x 22 mm
Weight:	31g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# RFSAI-61B-SL/ RFSAI-62B-SL

Switching actuator – 2 channels

- ✔ For controlling individual thermal actuators
- ✔ Direct switching, contactor



Technical specifications RFSAI-61B-SL   RFSAI-62B-SL	
Power supply:	230 V AC, 50–60 Hz
Power consumption:	7 VA / 0.7 W
Number of contacts:	1x switching   2x switching
Rated current:	8 A / AC1
Switched power:	2000 VA / AC1
Wireless control:	2 x 12 channels (RFIO2, 866–922 MHz)
Range:	up to 200 m (open area)
Manual control:	PROG button (ON/OFF)
Repeater:	yes

Additional Information	
Mounting:	free-hanging on supply wires
Operating temperature:	-15 to +50 °C
Installation position:	any
Ingress protection:	IP40
Overvoltage category:	III.
Dimensions:	43 x 44 x 22 mm
Weight:	45 g
Applicable standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# RFTI-20

Wireless temperature and humidity sensor

- ✔ Measures both temperature and humidity
- ✔ Long battery life



Technical specifications	
Power supply voltage:	2x 3 V CR2032 batteries
Transmission/function indication:	Red LED
Temperature and humidity measurement:	Integrated digital sensor
Range and accuracy:	-10 to +50 °C
Humidity measurement:	±3% accuracy over the range
Output	
Communication protocol:	RFIO
Frequency:	866–922 MHz
Repeater function:	no
Range:	Up to 160 m range in open space

Additional information	
Operating temperature:	-10 to +50 °C
Operating position:	any
Mounting:	adhesive / screw mounting / free placement
Protection rating:	IP30
Dimensions:	75 x 25 x 13 mm
Weight:	45 g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

# iNELS Wireless

## Expand many solutions



Kit	Simple	Focused On
WHAT		
Do you want to control your pump remotely? Do you want to dim the lamp in the living room?	Fast and efficient electrical wiring solutions, especially for building or furniture interior modifications. A typical example is moving a light switch from behind a cupboard or adding a light above a desk in a child's room.	Focused on specific use cases. For example, a zone thermostat for controlling different heaters or controlling lighting objects via DALI.
INSTALLED BY		
Hobby Man	Electrician	Electrician Maintenance servisman
DISTRIBUTED BY		
DIY, Retailers, e-commerce	Wholesalers	Wholesalers
OUR BENEFITS		
Direct support Extension possibility	Upgrade to Smart Home	All features in one devices = cost saving.

As you know, our iNELS Wireless are not „Chinese toys“ that you plug into a socket or screw bulb into a light. They can form a truly primary electrical installation in many ways. You can find out in this microsite: [expand.inels.microsite](https://expand.inels.microsite)



Smart Home	OEM / Brandlabeling	Hotel
WHAT		
Complete electrical installation for smart home, appliance control, dimming lights, heating control, security and cameras = all in the one app.	Brandlabeling - the possibility of putting your own logo on products OEM - embedding the product in your own equipment - manufacturers of blinds, lights, heaters ...	Hotel Room retrofit (GRMS, Hospitality)
INSTALLED BY		
System integrators	Original equipment manufacturers Machinery manufacturers	System integrators
DISTRIBUTED BY		
Local distributors	Negotiation directly with us	Authorized distributors
OUR BENEFITS		
different wireless products, including DIN-rail units for panel mounting. Integration in to the 3th parties. Design controllers with many options.	Price level, customisation, R&D flexibility, speed of delivery	Unique solution Cost effective Fast installation HRS software MQTT integration





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**BJC** Switches & sockets



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