

Try it **WITHOUT WIRES**

INELS RF System for everyone



WITHOUT DEMOLITION • WIRELESS • ECONOMICAL • FLEXIBLE

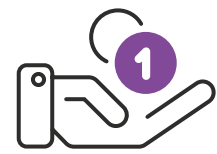
www.elkoep.cz/rf

What is iNELS RF?

iNELS RF is a wireless system of smart electro installation, with which you can easily and quickly implement the so-called Smart House or if you want Smart Home.

A smart home is not a vital necessity, but becomes a necessity of life. It can do what cannot be done or is very difficult to do in a classic electrical installation.

The main advantage of iNELS RF is its wireless design. This means that you do not have to make building modifications (e.g. digging into the wall) to take your electrical installation one step higher.



Economy

- You can save up to 30% by efficient heating control
- Dimming saves about 15%
- Further savings can be realized by connecting appliances, time switching, measurement and regulation ...
- The investment in RF pays off, once you install = you save forever



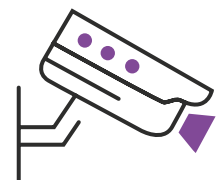
Safety

- The system includes motion detectors, smoke, window opening, flooding, CO₂, water level, twilight
- Components can be configured to a simple alarm
- In conjunction with monitoring and monitoring relays, fault states can be transmitted wirelessly



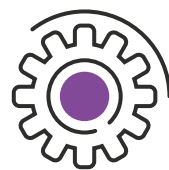
Comfort

- Can be conveniently controlled from a pocket controller or smart device: phone, watch or television
- The application on your phone can recognize the location and, for example, automatically open the gate when you arrive at the house
- Components can be grouped into a scene (e.g. turn off all lights in the house with one button)



Surveillance

- Integrated cameras provide an image of what's happening where you're not!
- Events are recorded for later viewing
- It is possible to connect from anywhere in the world and watch the house online



Automation

- Functions can be set to run automatically
- Time mode for heating or blinds at dawn, lighting at dusk
- The complete system switches off automatically or if the condition you set is met

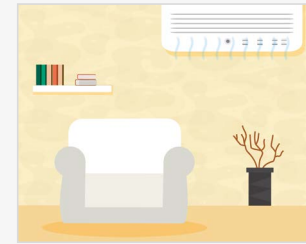


Flexibility

- Easy addition and expansion of the system with additional components
- Change of functions by simple resetting
- Wide use: apartment, house, apartment building, cellar, garden, corridors ...)

Simple Control

Quick solution: controller + receiver



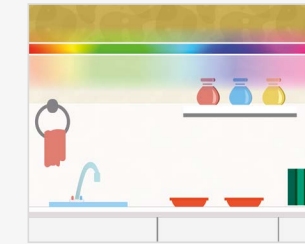
Switching

- RFWB-20/G + RFSA-11B**
- On / Off
 - Timer on/off



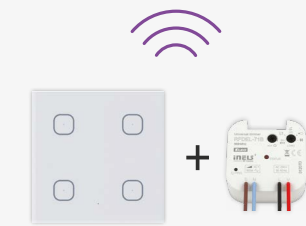
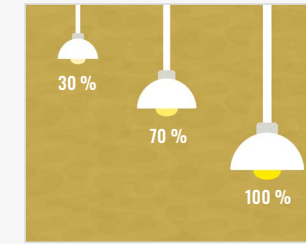
Appliances

- RFWB-20/G + RFSA-61M**
- On / Off
 - Timing



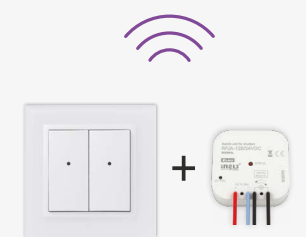
Lighting

- RF Pilot + RFDA-73M/RGB**
- RGB strips
 - colour scenes
 - mixing colour



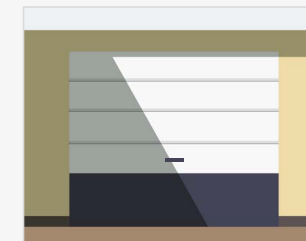
Twilight

- RFWD-71/W + RFDEL-71B**
- regulation light intensity (R, L, C, ESL, LED)
 - smooth start / stop



Blinds, shutters

- RFWB-40/G + RFJA-12B**
- raise/ lower
 - slat tilting



Garage, gates

- RF Key + RFJA-12B**
- open/ close
 - delayed stop



Heating

- RFTC-50/G + RFATV-1**
- thermocouple on valve
 - temperature measurement
 - guarding "open window"



Remote control

- iHC + eLAN-RF-003**
- smart control Telephone / tablet or smart TV

See how the iNELS smart house works
[youtube.com/elkoep](https://www.youtube.com/elkoep)



Total control - Home automation

All components (sensors, actuators and detectors) can be connected in one system.



Door Communicator

Communication with guests by voice and image via RF Touch Unit or apps on your phone, even though you are not at home.



Camera

Up to nine cameras can be viewed via the phone application or RF Touch.



Heating and air conditioning

iNELS allows the control of up to 16 independent heating or HVAC circuits. Settings in several ways: RF Touch application, smartphone or thermostat.



Blinds and shutters

Actuators allow control of various types of shading techniques. It is possible to set the time modes, scenes or control manually.



Appliances

Switching according to the set mode or manually from the application or from any system controller.



Energy measurement

Measured values of electricity consumption, water, gas are transmitted wirelessly to the Cloud, which provides them to applications or web browsers.



Security

The systems include detectors (motion, window, door, smoke), which are the basis of the home alarm. The water leak sensor warns against flooding of the bathroom or an overflowing sink.



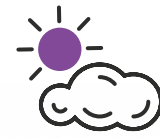
Garage, Gates

Can be operated from the controllers or automatically according to position when approached.



Scenes

With the push of a button on the remote control, it is possible to control several devices at the same time (light scenes; switch off everything, night corridor).



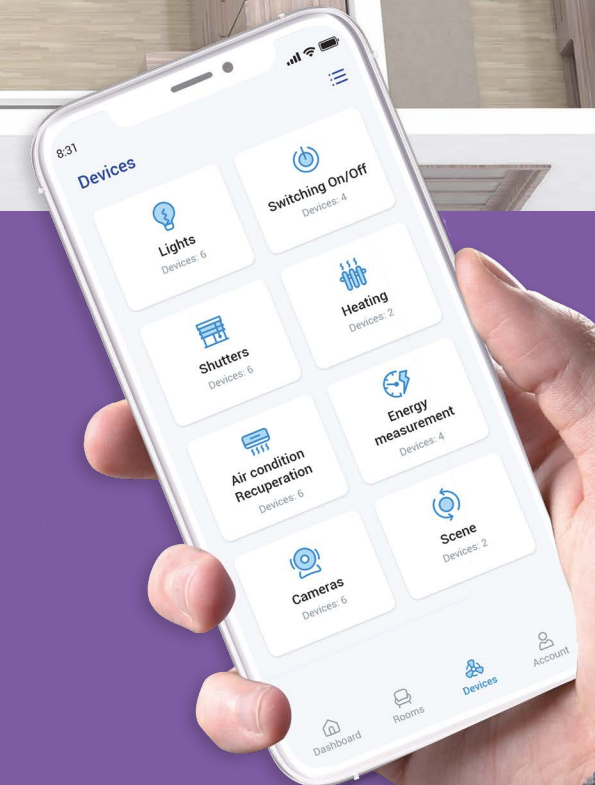
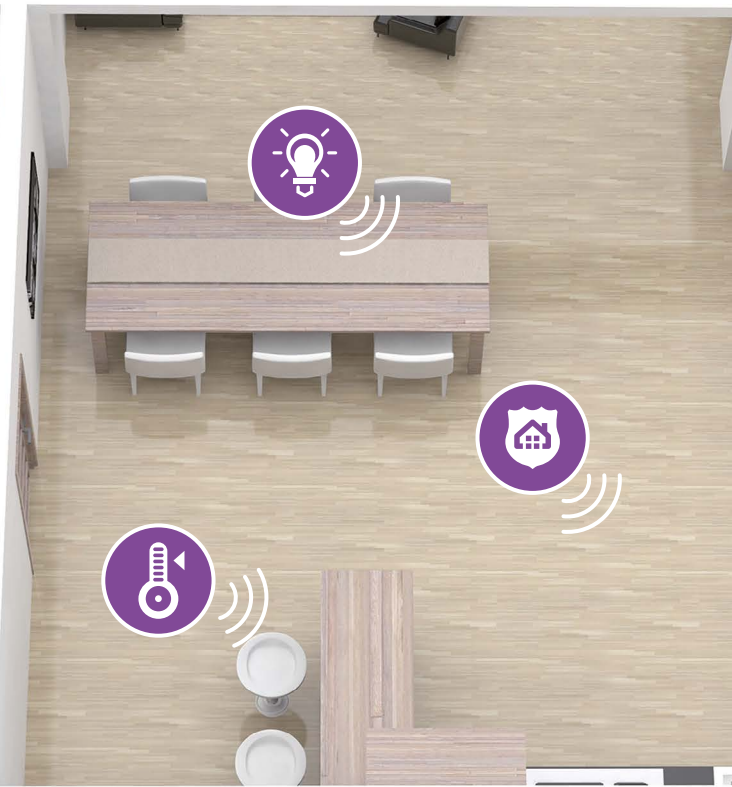
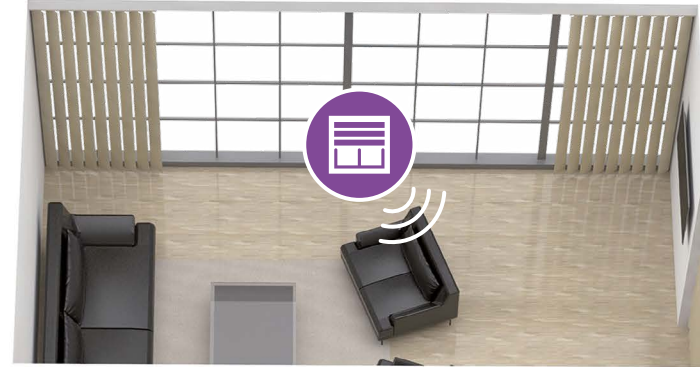
Weather

When it rains outside, the blinds close..



Lighting

Easy switching or dimming different types of light sources, including LEDs, even colour RGB.



Clear and intuitive application for controlling all RF elements connected to the system.

With one click, it switches between rooms and allows you to control and monitor all the components. Displays values and graphs of energy consumption, allows you to display cameras. Thanks to the internet, the owner has an overview of his house anytime and from anywhere..

iNELS Home RF Control App

Available to download FREE on Google Play or App Store.



How to control iNELS RF?

Choose the controller that suits you.



Wireless key-fob

RF Key-40, RF Key-60

Practical pocket control for comfortable operation. The small dimensions allow you to have the key-fob always at hand. Four buttons with the most used functions. Do you want key-fob for other household members? Not a problem. Wife or children can each have their own, in black or white.

Remote control

RF Pilot

Ingeniously simple, simply ingenious. Remote control with which home automation begins. With the helpful colour OLED display you control up to 40 devices clearly divided by rooms. Under your thumb you have drawers, lights, garage doors, blinds, irrigation and more.



Wall Controller

RFWB-20/G, RFWB-40/G

Wireless switch with two or four buttons. The controller can be easily attached anywhere, glued or placed on a table. The LOGUS⁹⁰ design offers many colours and materials, so it fits perfectly into any interior. The battery will last up to several years of operation..



Touch unit

RF Touch

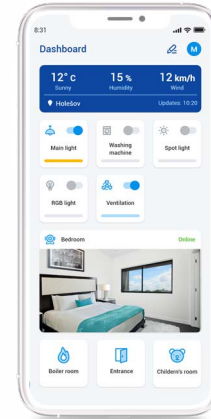
You can control the touch unit while mount firmly to the wall or "Stick" wherever you want it. 3.5 "colour TFT display with intuitive operation, which really everyone can handle. Thanks to the clear division into lights, heating, air conditioning or scenarios the controller becomes a toy.



Application for smart devices

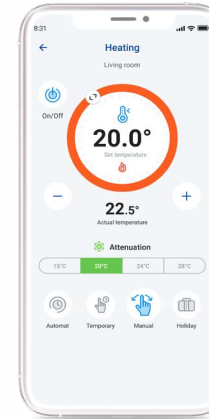
iNELS Home Control

You can view power consumption values and graphs, check security cameras, or control home alarms on your device. At the same time, you use the application to set individual components.



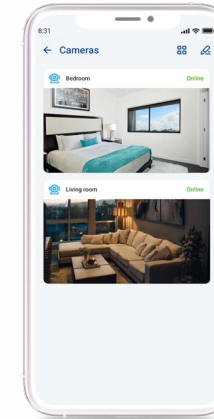
Overview

A quick overview of the whole households can be found in one place.



Heating

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

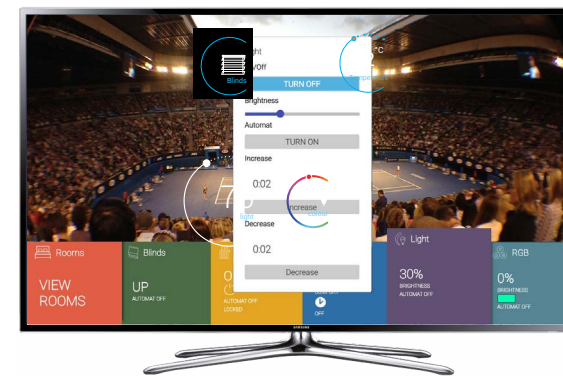


Camera

For the safety of your house you can monitor from anywhere in the world.

Energy measurement

All your energy consumption can be checked at anytime from your mobile.



Samsung Smart TV

iSHC

The iNELS Home Control (iHC) application brings a new dimension to controlling the entire home via smart TVs. The iHC is fully compatible with the Tizen operating system for Samsung Smart TV. The application can be downloaded for FREE in Samsung Apps in the Lifestyle category. The application is also in the PROMO version, in which it is possible to try online control of appliances and devices.



Smart Watch

iHC-WTRF

The Samsung Gear S2 / S3 smart watch is another way to control your smart home. Do you need to lower the temperature in the bedroom, retract the awning, turn on the air conditioning, dim the lighting and watch your favourite movie? You can do all this with a single button with the set scenario. You control the whole house and control it with your watch. The possibilities are endless...



PROMO aplikace
 Try the controls and download PROMO application iNELS Home Control.

Download on the **App Store** | **Google play**

IHC-MIRF Promo | IHC-MARF Promo

Examples of use

Let smart technologies make your life easier.



More examples can be found here:
www.elkoep.com/solution



Eliminate Hidden devourers

Do you know that the appliances in your house that you have permanently plugged in consume energy, even when they are switched off, i.e. in standby mode? The satellite receiver is one of the biggest devourers in the household. Its consumption is around 30 W. There is also a forgotten charger from the telephone in the socket, TV, DVD,... These appliances can also consume up to several hundred CZK per year in the home.

Solution

Combine the RFSA-66M switching component with the controller of your choice. The switching component is installed in the switchboard, where the socket circuits are fed. No voltage flows into the sockets after switching off the circuit, thus also eliminating the effect of electromagnets. smog! In addition to the key-fob, you can also use another wireless controller or smart phone to control it, and thus take advantage of the comfort of remote control.



Six channel switching component on DIN rail

RFSA-66M / 230V | Code: 5521

Price: **116,30 eur**

Heat economically and comfortably!

During the day you use different rooms in the house. Some you visit more often, others less. Many people prefer different temperatures in different rooms. You need a different temperature in the morning in the kitchen, another in the afternoon in the living room, and another in the bedroom to sleep. But how to heat a house properly and heat economically?

Solution

Connect your mobile phone to the heating control. The smartphone with the iNELS Home RF Control application can communicate via a RF smart box with RFATV-1 thermal heads on the radiators, even remotely! Switch on the heating before coming home.



Smart RF box

eLAN-RF-003 | Code: 4684

Price: **170,60 eur**



Wireless thermo-valve

RFATV-1 | Code: 6307

Price: **59,50 eur**

Energy under control

Monitoring energy, due to its ever-increasing price, is one of the important aspects of smart living. But how to have a daily overview of the energy consumed, see clear graphs, have comparisons with previous periods and find out where money is running out of the house unnecessarily?

Solution

The Smart Energy Gate will take care of that. Wireless sensors installed directly to the water meter, gas meter, and via a converter at the electricity meter, transmit information to the Cloud. Clear graphs, consumption, comparison and other information are always at hand in the mobile phone, tablet, PC či TV.



Energy gateway

RFPM-2 | Code: 5178

Price: **160,80 eur**



Wireless pulse converter

RFTM-1 | Code: 4315

Price: **39,90 eur**

Duel in the cabinet with switches

The new chair forced minor changes in the living room. Did the sofa have to go from the window, the table to the window and the wardrobe? We all like to improve our housing. We change the interior, the decoration, but what if we wanted to move the switch?

Solution

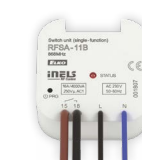
With iNELS RF this is possible without any problems. The solution is a wireless switch. You can stick it wherever you can - on a cabinet, bookcase, mirror, or simply place it on a coffee table.



On-wall button controller

RFWB-40/G | Code: 4060

Price: **33,10 eur**



Switch unit, 1-channel

RFSA-11B | Code: 5000

Price: **33 eur**

These prices do not include VAT

Sample calculation

Whether you are renovating or want to improve your existing home, iNELS RF Control allows you to choose only the modules you need.

Do you just need to control the lights or regulate the heating for a start? Not a problem. When you want to improve your home again, just buy another module. Installation is quick and easy, as is control via your tablet or smartphone.

We are here for you

Not sure about anything, do you need advice? There is nothing easier than writing or calling us. Our technicians are here for you every day. We follow the Baťa motto "our customer - our master", and therefore we are at your disposal from the initial design to the actual implementation at the customer. We won't leave you in the lurch, count on it!



RF Set 51,80 eur

RFSET-SW2-Z1

- ☑ Wireless switch 1x RFWB-20
- ☑ Switching component 1x RFSA-11B

YOU CAN START THIS!



Apartment 843,50 eur

- ☑ Heating control (2 zone) 2x RFSTI-11B 131,10 eur
- ☑ Lighting dimming control (3 zone) 3x RFDEL-71B 192,30 eur
- ☑ Appliance socket control (6) 1x RFSA-66M 116,30 eur
- ☑ Open door / window detector 1x RFWD-100 41,10 eur
- ☑ Wireless switch 2x RFWB-40 66,20 eur
- ☑ RF remote control with OLED display 1x RF PILOT 116,80 eur
- ☑ Control by phone, tablet 1x eLAN-RF-003 170,60 eur

Installation time only 6 hours

*These prices do not include VAT.
The installation time is determined by the average.*



Home 1243,80 eur

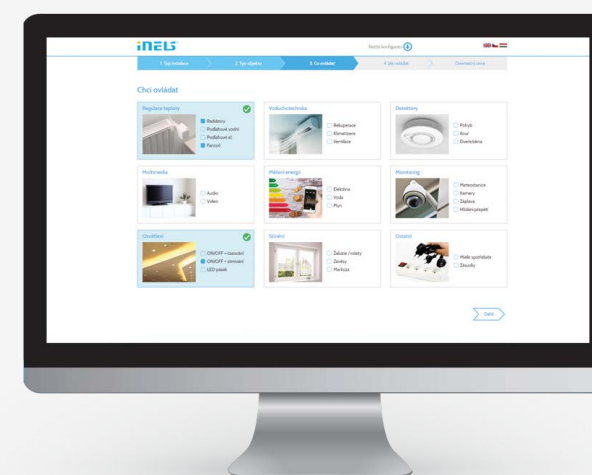
- ☑ Heating control (3 zones) 3x RFSTI-11B 196,60 eur
- ☑ Lighting dimming control (4 zones) 4x RFDEL-71B 256,5 eur
- ☑ Blinds control (2) 2x RFJA-12B 116,90 eur
- ☑ Appliance socket control (2) 1x RFSA-66M 116,30 eur
- ☑ RGB colour LED strip control 1x RFDA-73RGB 85,10 eur
- ☑ Irrigation control 1x RFSA-61B 46,20 eur
- ☑ Open door / window detector 2x RFWD-100 82,20 eur
- ☑ Motion detector 2x RFMD-100 107,20 eur
- ☑ Wireless switch 2x RFWB-40 66,20 eur
- ☑ Control by phone / tablet 1x eLAN-RF-003 170,60 eur

Installation time only 1 working day

Price offer

Do you want to find out what the approximate price of purchasing an iNELS Smart Home smart electro installation will be?

We have prepared interactive price offers for a family house, apartment or room - both for reconstructions and new buildings. All you have to do is click on the parameters you have selected in just a few steps.



Quick configuration order



Large selection of options



Estimated price in a few minutes



You can find the price offer at elkoop.inels.com

How can iNELS RF be purchased?

From individual components to a complete system.



Components

The basic way is to acquire individual elements of the system. This way you can also easily add to existing installations.



A complete list of iNELS RF components can be found at elkoep.com/wireless-rf-control



Sets

We offer the most popular combinations (controller / receiver) in the form of discounted sets.



A complete list of iNELS RF sets can be found at elkoep.com/rf-sets



Box kits

The box kits are an ideal starter pack for "Sys-tem". The elements are pre-set and paired with the eLAN-RF gateway, which can be controlled by a smartphone application. You connect, download the app and play.



A complete list of iNELS RF box sets can be found at elkoep.cz/sady



System

By system we mean home automation, in which the components work independently, but can also be controlled via eLAN-RF via a smartphone application. The system can be further expanded with cameras, door intercoms or energy measurements.



You can use our simple configurator at elkoep.inels.com

10 Reasons why

Why choose the smart iNELS RF electro-installation?

1.



Savings

- dimming: ~15 %
- heat regulation: ~30 %
- appliance control: ~10 %

2.



Without construction adjustments!

3.



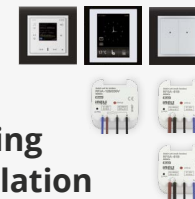
Speed Design Electro-installation It's right now!

4.



Price available for each :)

5.



Growing installation

It grows with your needs and financial capabilities.

6.



Different control methods

Switch, key-fob Telephone Watch, Smart TV.

7.



Function variability

You can change the system and set as desired.

8.



Design, It's exciting.

9.



Construction

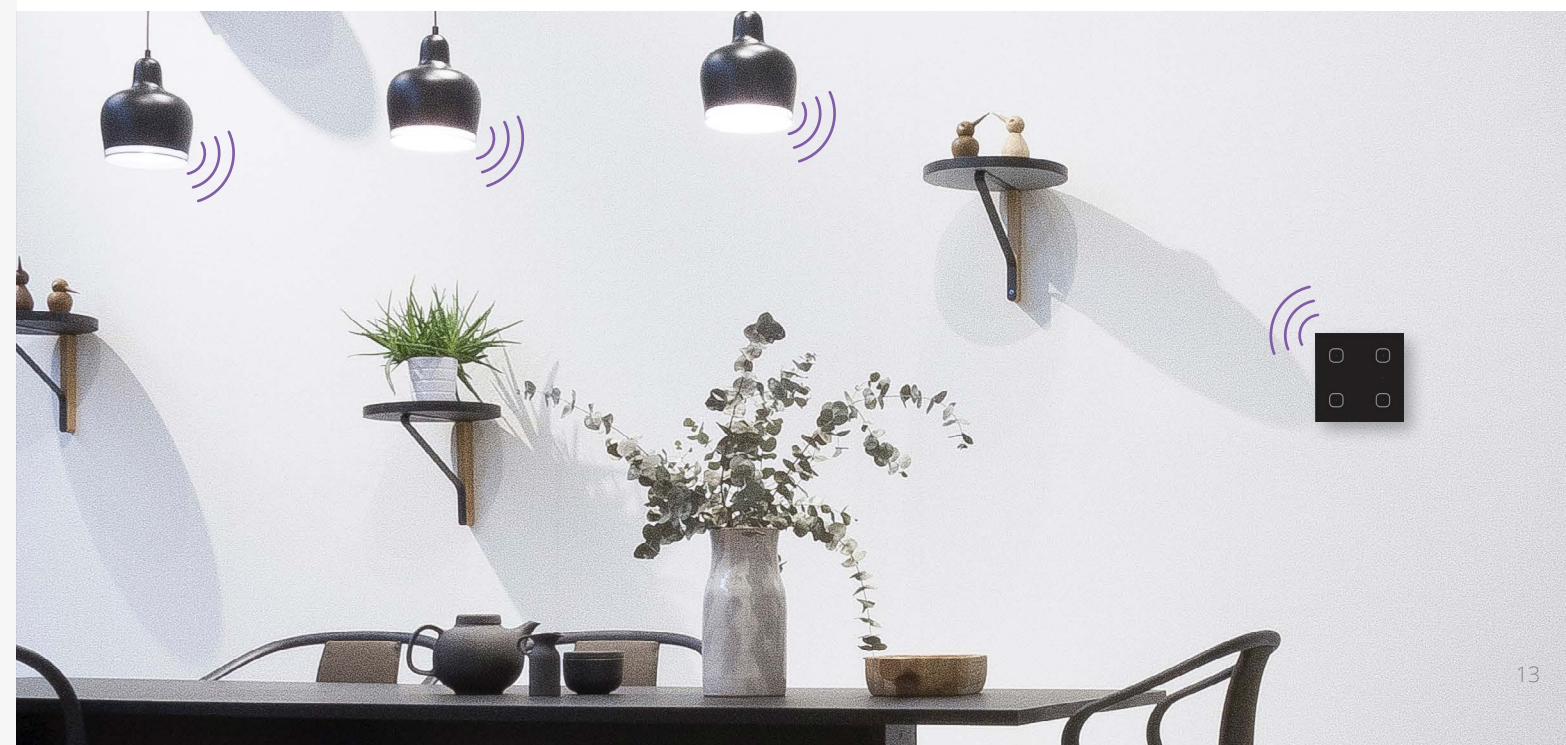
Very fast assembly in a matter of hours.

10.

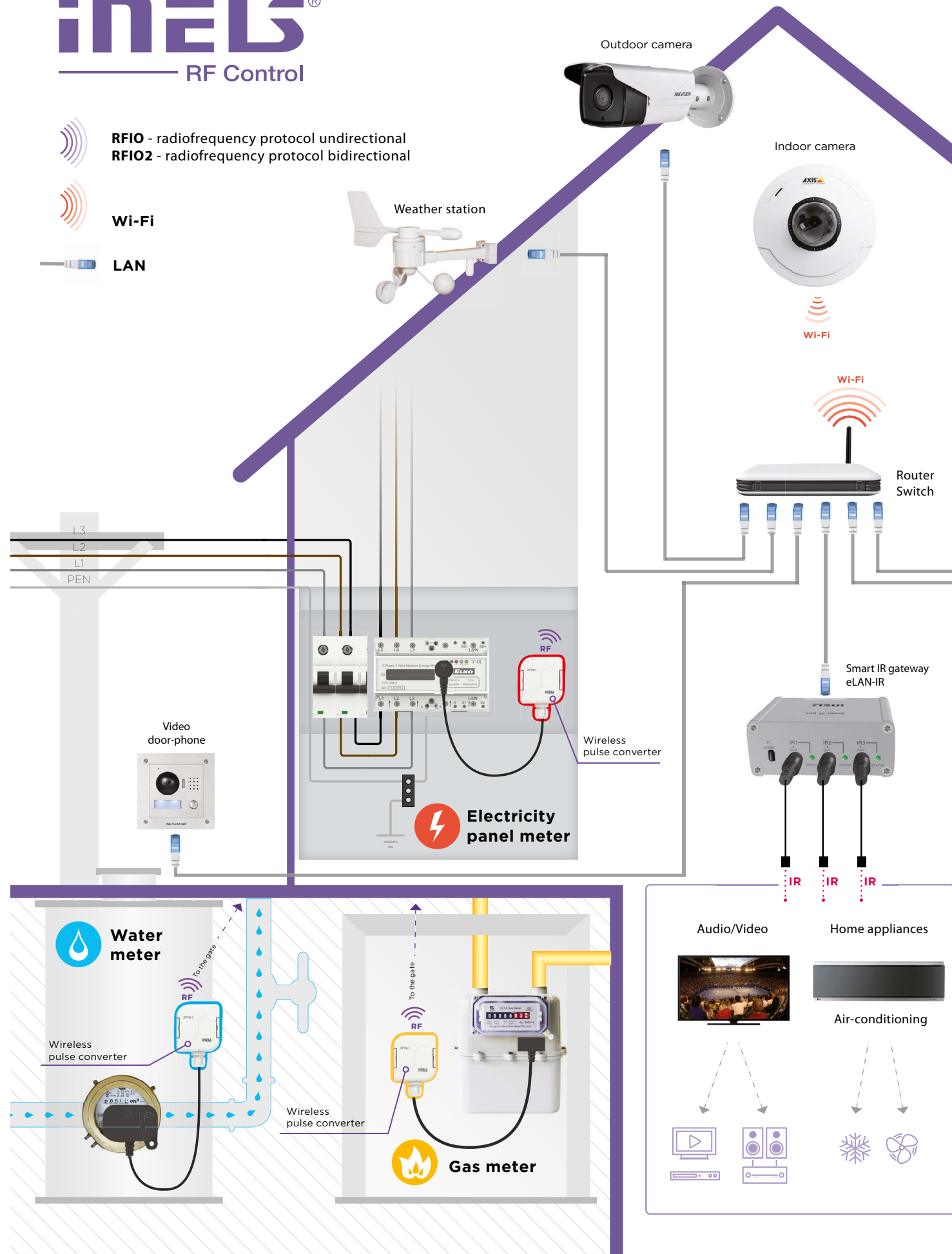


Produced in CZ

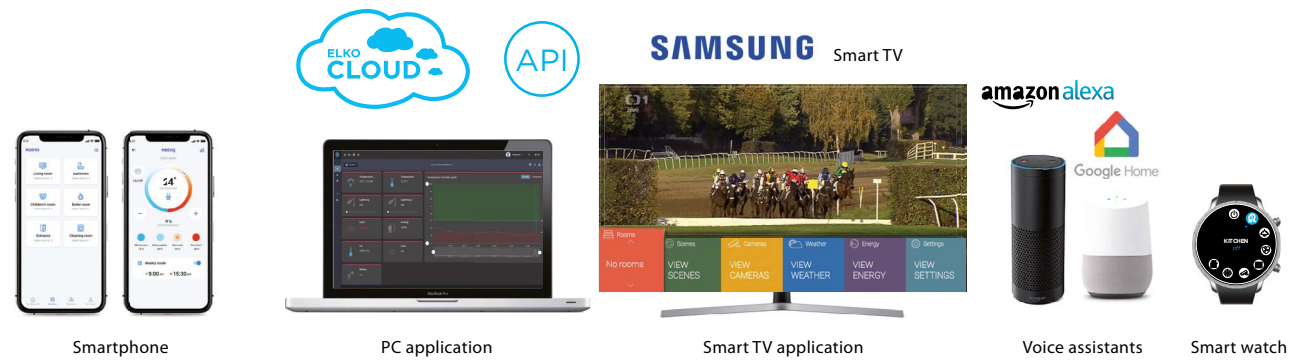
Directly developed and produced in the ELKO EP plant in Holesov.



- RFIO** - radiofrequency protocol unidirectional
- RFIO2** - radiofrequency protocol bidirectional
- Wi-Fi**
- LAN**



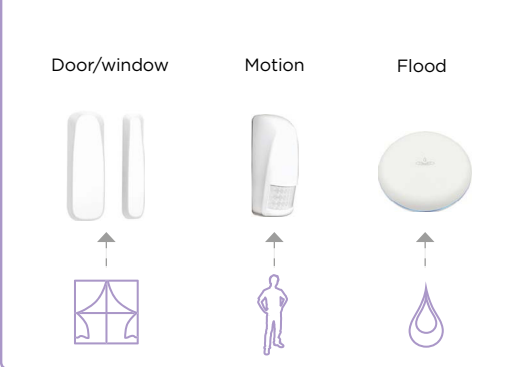
External Controllers:



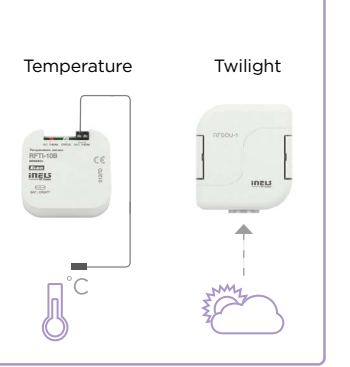
Internal Controllers:



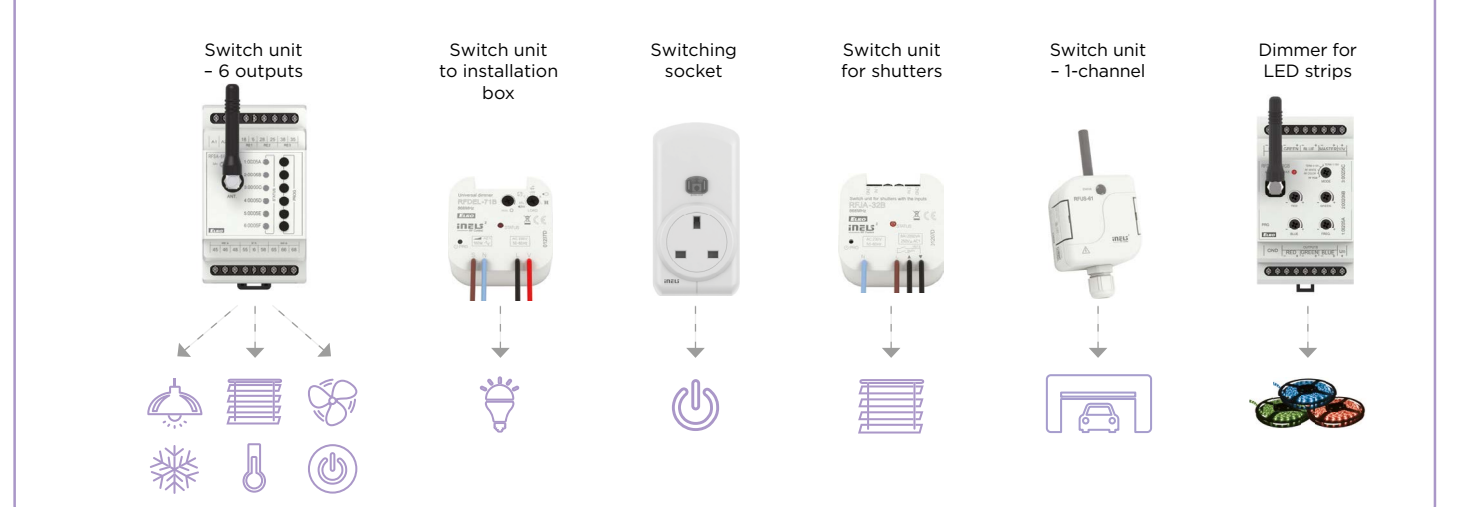
Detectors:



Sensors:



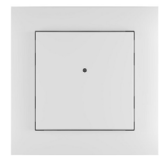
Units:



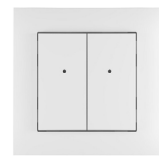
Overview of wireless system units



Controllers



RFWB-20/G
On-wall button controller - 2 buttons



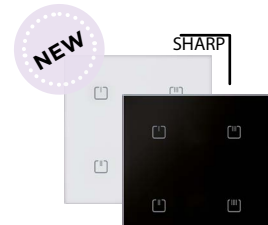
RFWB-40/G
On-wall button controller - 4 buttons



RFOWB-20
Outdoor controller - 2 buttons



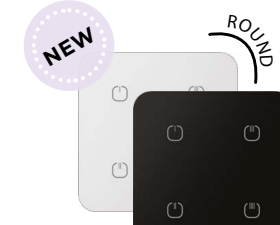
RFGB-20/W - white glass
RFGB-20/B - black glass
Glass touch controller, SHARP - 2 buttons



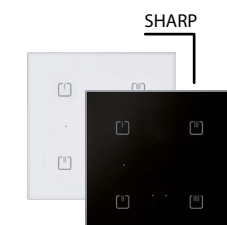
RFGB-40/W - white glass
RFGB-40/B - black glass
Glass touch controller, SHARP - 4 buttons



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



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

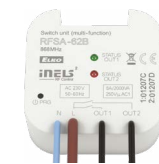
Switches



RFS-11B
Switch unit, 1-channel - 1x 16 A, singlefunction



RFS-61B
Switch unit, 1-channel - 1x 16 A, multifunction



RFS-62B
Switch unit, 2 channels - 2x 8 A, multifunction



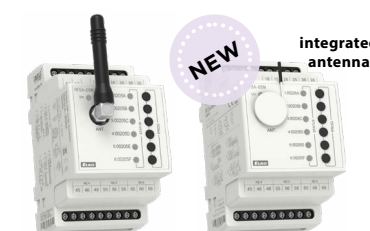
RFS-62B
Switch unit, 2-channels with external input



RFJA-32B
Switch unit for shutters - 2x 8 A



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



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



RFUS-61
Switch unit with increased protection, 1x 12 A, multifunction



RFSC-61
Switching socket-plug, - 1x 16 A, multifunction



RFOSC-61
Switching sockets with increased protection

Dimmers



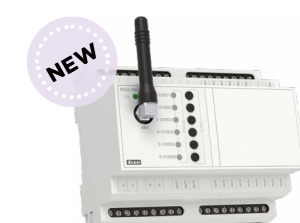
RFDAC-71B
Analog controller, 0(1)-10 V - multifunction



RFD-71B
Universal dimmer, 1-channel - 1x 160 VA - R, L, C, LED, ESL



RFD-71M
Universal dimmer, 1-channel - 1x 600 VA - R, L, C, LED, ESL



RFD-76M
Universal dimmer, 6-channels - 6 x 150 VA



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



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

Temperature control



RFTC-10/G
System temperature controller



RFTC-50/G
Autonomous temperature controller



RFTI-11B
Switch unit with a external temperature sensor



RFTI-10B
Temperature sensor (internal + external)



TC T2
Temperature sensors



TELVA-2
Thermdrive ON/OFF, 0-10V



Converters



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



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



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

Detectors



RFSF-1B
Level switch



FP-1
Liquid probe



RFSF-100
Flood detector



RFSOU-1
Twilight switch
IP 65



RFWD-100
Window/Door detector



RFMD-100
Motion detector

System units



RF Touch-B
Wireless touch unit
- flush mounted



RF Touch-W
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-20
Repeater to extend
the range

Hotel Room Energy Saving Kit



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



RFS-166M
Switch unit for fan-coil,
6-channels

Accessories



RFAF/USB
Service Key



AN-1
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

Supported video cameras



Protocols MJPEG, RTSP, ONVIF

Supported intercoms

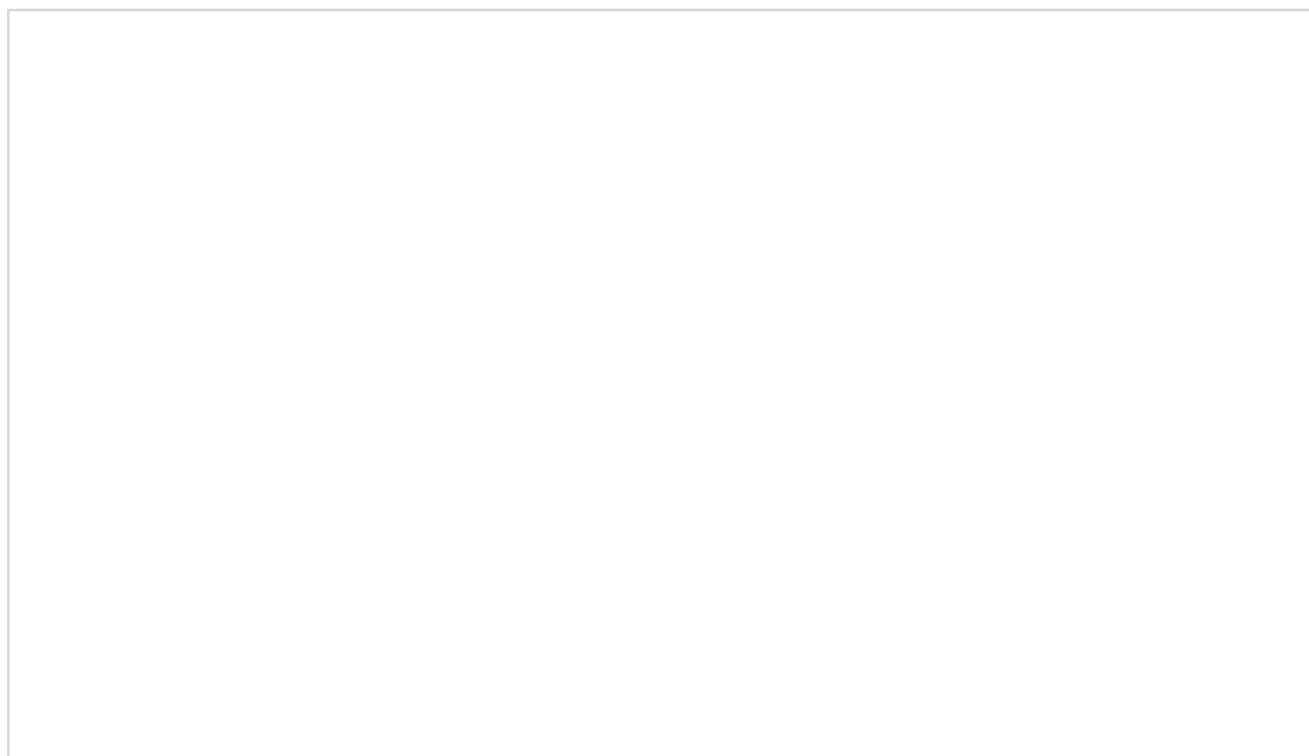


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HIK VISION

Where can iNELS RF be purchased?

We have a network of authorized dealers throughout the country.



Catalogue iNELS RF



GENERAL CATALOGUE

General information for end users.

elkoep.com/catalogs-and-brochures



TECHNICAL CATALOGUE

Technical information for electricians.

elkoep.com/catalogs-and-brochures



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