Try it WITHOUT WIRES

INELS RF System for everyone

ELKO ep ®

CZECH
Superbrands
BUSINESS
AWARD
2021

WITHOUT DEMOLITION • WIRELESS • ECONOMICAL • FLEXIBILE

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, CO_2, 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)
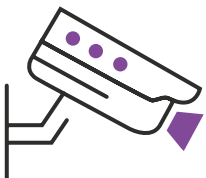
Surveillance

- 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
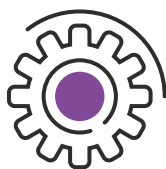
Automation

- 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
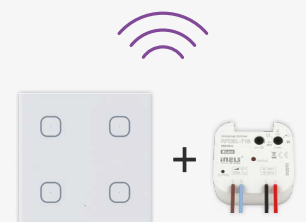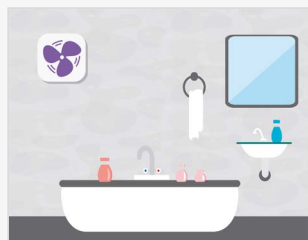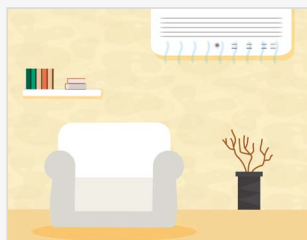
Flexibility

- 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
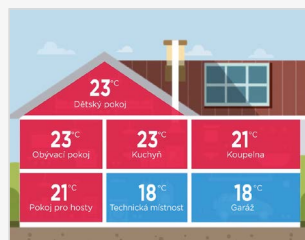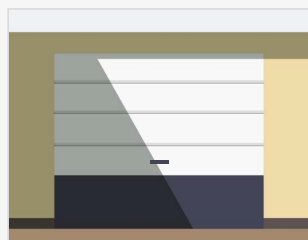- On / Off
- Timing

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

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.

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.
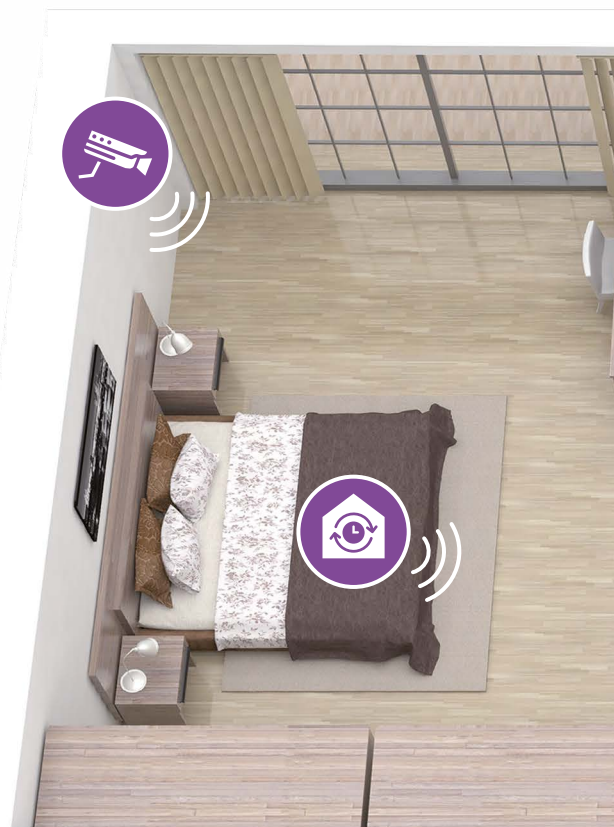
Blinds and shutters

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.

Camera

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

Energy measurement

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

Garage, Gates

Can be operated from the control-lers or automatically according to position when approached.
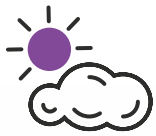
Security

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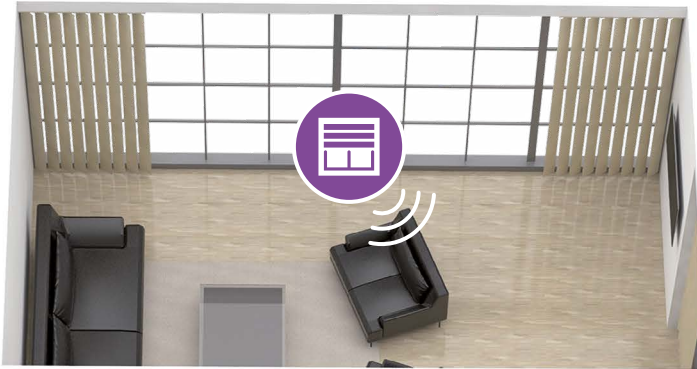
Scenes

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).
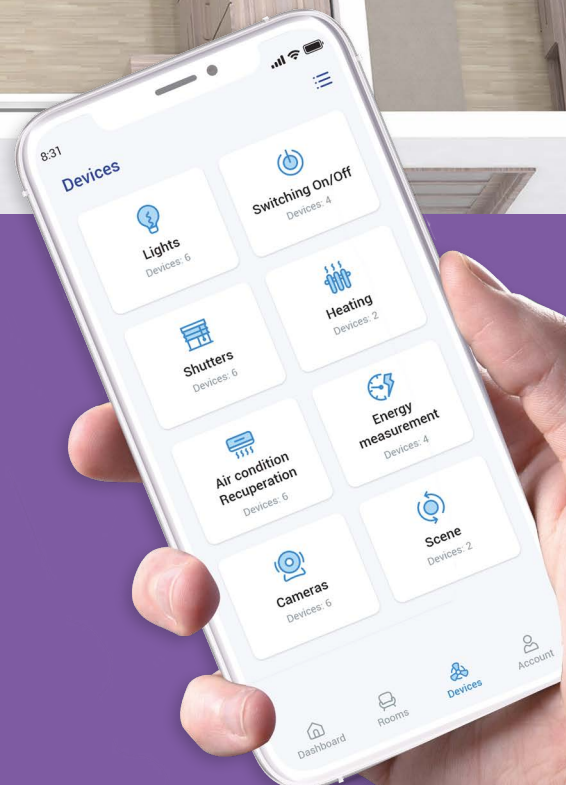
Weather

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 camer-
as. Thanks to the internet, the owner has an overview of his
house anytime and from anywhere..

iNELS Home RF Control App

Avalible to download FREE on Google Play or App Store.

iNELS

Download on the
App Store

iHC-MIRF

ANDROID APP ON
Google play

iHC-MARF

Phone app screen:

8:31

Devices

Lights
Devices: 6

Switching On/Off
Devices: 4

Shutters
Devices: 6

Heating
Devices: 2

Air condition
Recuperation
Devices: 6

Energy
measurement
Devices: 4

Cameras
Devices: 6

Scene
Devices: 2

Dashboard   Rooms   Devices   Account

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.
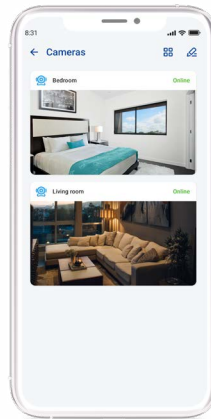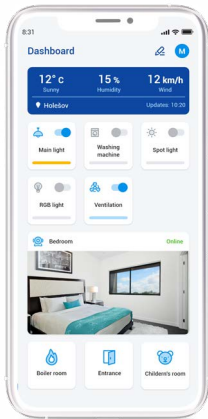
Overview

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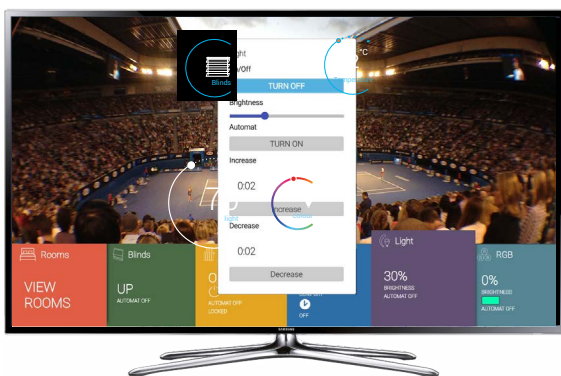
Heating

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.

Samsung SMART TV   TIZEN

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...

SAMSUNG Gear   S2/S3

Examples of use

Let smart technologies make your life easier.
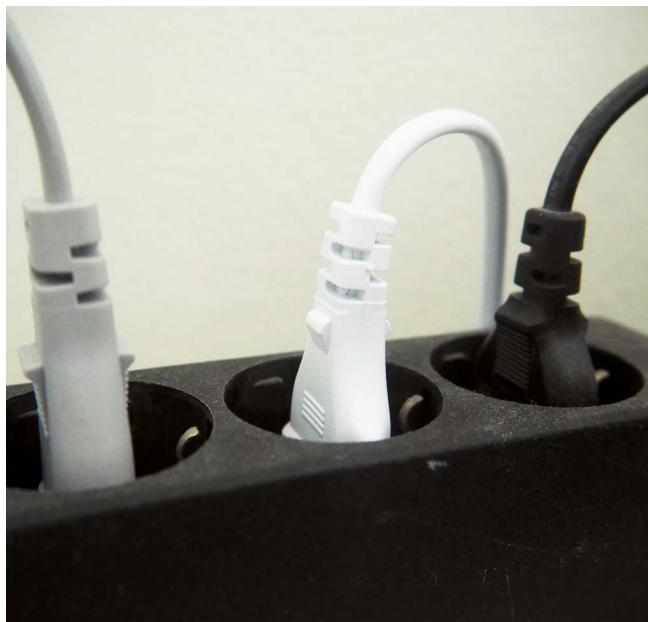
Eliminate Hidden devourers

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.

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

Six channel switching component on DIN rail
RFSA-66M / 230V | Code: 5521

Price: 116,30 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.

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.

Energy gateway

RFPM-2 | Code: 5178

Price: 160,80 eur

On-wall button controller

RFWB-40/G | Code: 4060

Price: 33,10 eur

Wireless pulse converter

RFTM-1 | Code: 4315

Price: 39,90 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!

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**
☑ RBG 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**

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.

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.
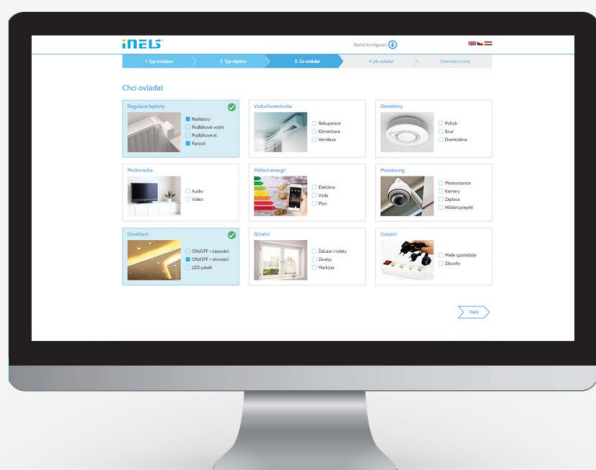
Quick configuration order

Large selection of options

Estimated price In a few minutes

You can find the price offer at
elkoep.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 %
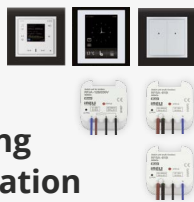• appliance control: ~10 %

2.

Without construction adjustments!

3.

Speed
Design
Electro-installation
It's right now!

4.

Price avalible 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.
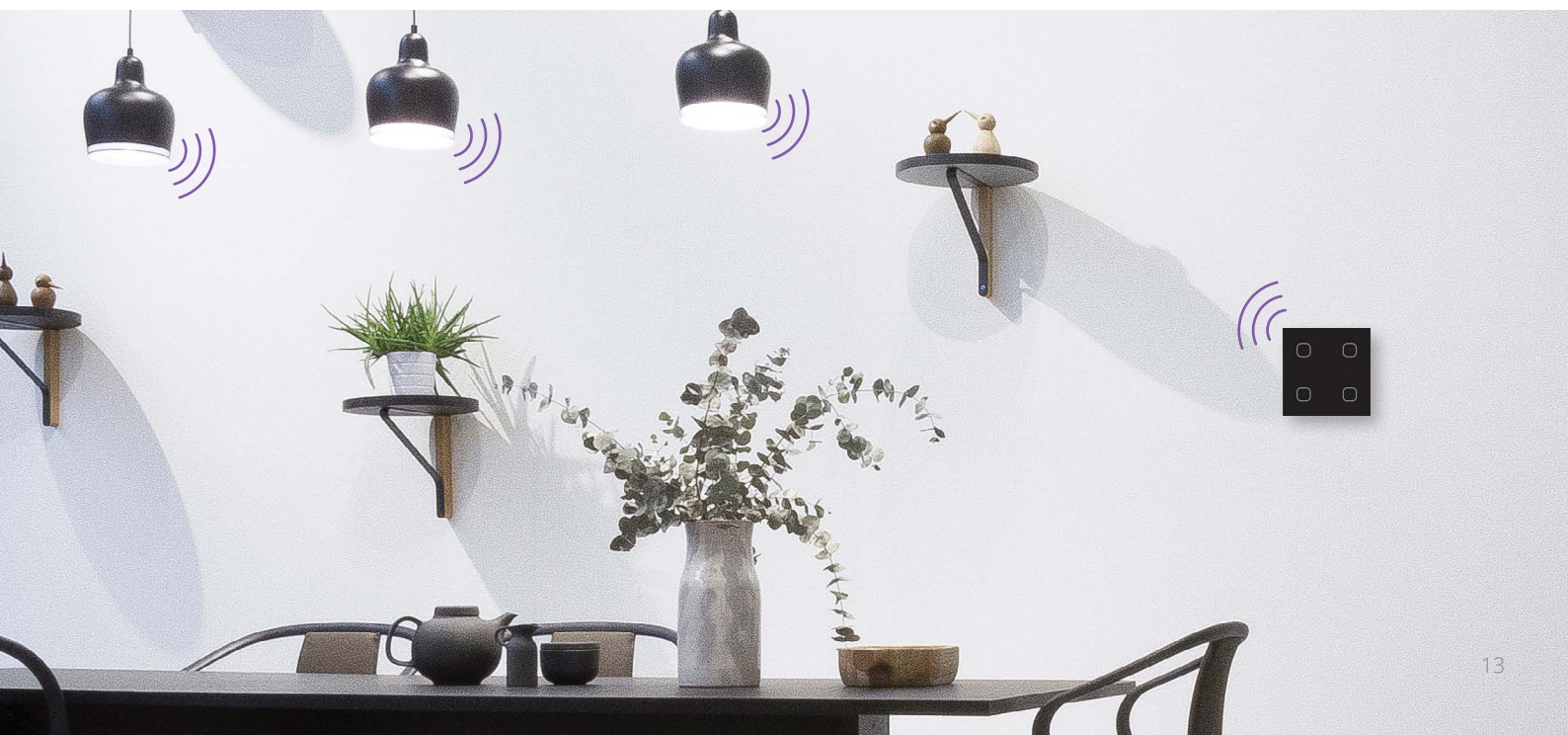
9.

Construction
Very fast assembly in a matter of hours.

10.

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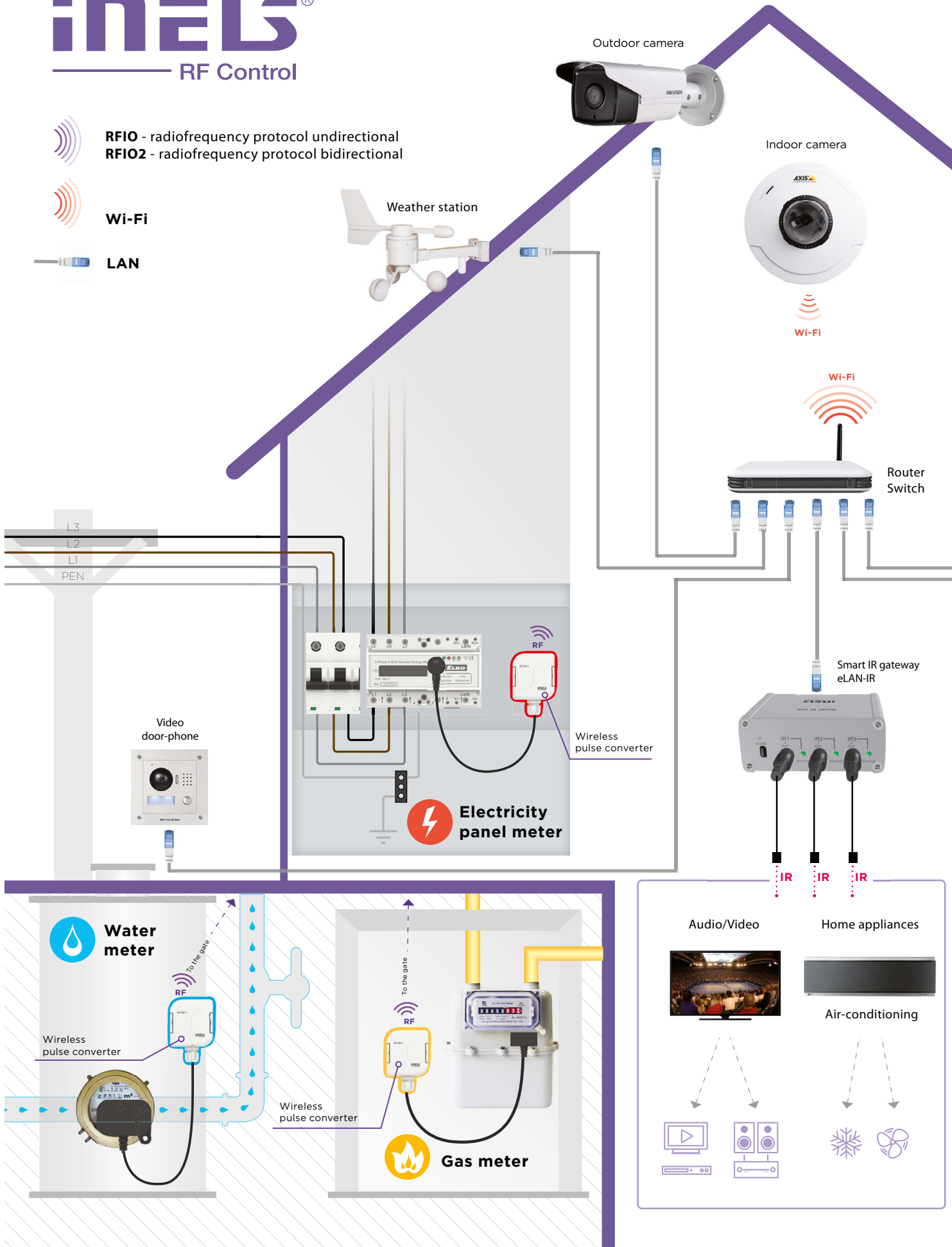Directly developed and produced in the ELKO EP plant in Holesov.

iNELS®
RF Control

RFIO - radiofrequency protocol undirectional
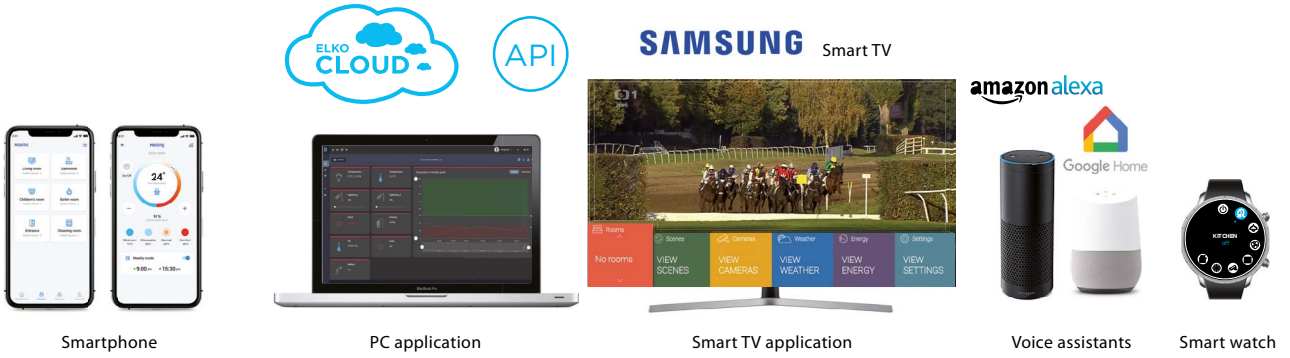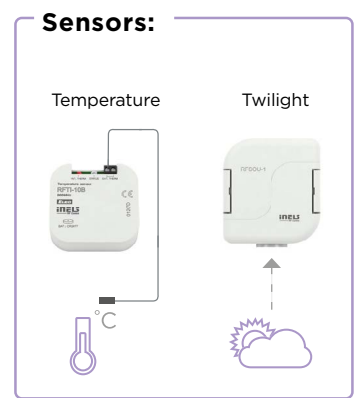RFIO2 - radiofrequency protocol bidirectional

Wi-Fi

LAN

Outdoor camera

Indoor camera

Weather station

Wi-Fi

Wi-Fi

Router
Switch

L3
L2
L1
PEN

RF

Smart IR gateway
eLAN-IR

Wireless pulse converter

Video
door-phone

**Electricity
panel meter**

IR   IR   IR

**Water
meter**

To the gate

Audio/Video

Home appliances

RF

Wireless
pulse converter

RF

To the gate

Wireless
pulse converter

Gas meter

Air-conditioning

External Controllers:

ELKO CLOUD   API   SAMSUNG Smart TV   amazon alexa   Google Home

| Smartphone | PC application | Smart TV application | Voice assistants | Smart watch |

Internal Controllers:

| Radio & Intercom | Touch unit | Wall controller | Glass controller | Thermostat | Wireless dimmer switch | RF Pilot / Keychain |

Smart RF gateway
eLAN-RF-Wi-103

Detectors:

| Door/window | Motion | Flood |

Sensors:

| Temperature | Twilight |

Units:

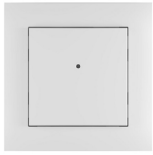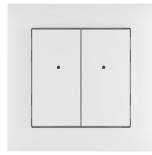| Switch unit – 6 outputs | Switch unit to installation box | Switching socket | Switch unit for shutters | Switch unit – 1-channel | Dimmer for LED strips |

Overview of wireless system units

Controllers

RFWB-20/G

On-wall button controller - 2 buttons

RFWB-40/G

On-wall button controller – 4 buttons

NEW

IP 65

RFOWB-20

Outdoor controller – 2 buttons

NEW

SHARP

RFGB-20/W - white glass
RFGB-20/B - black glass

Glass touch controller, SHARP – 2 buttons

NEW
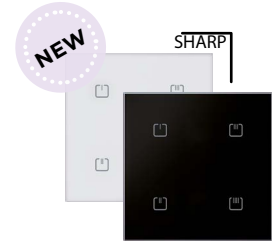
SHARP

RFGB-40/W - white glass
RFGB-40/B - black glass

Glass touch controller, SHARP – 4 buttons

NEW

RF KEY-40/W - white
RF KEY-40/B - black

Controller – key fob –4 buttons

NEW

RF KEY-60/W - white
RF KEY-60/B - black

Controller – key fob – 6 buttons

RF Pilot/W - white
RF Pilot/A - anthracite

Remote RF controller with display
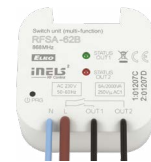
Switches

RFSA-11B

Switch unit, 1-channel – 1× 16 A, singlefunction

RFSA-61B

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

RFSA-62B

Switch unit, 2 channels – 2× 8 A, multifunction

RFSAI-62B

Switch unit, 2-channels with external input

RFJA-32B

Switch unit for shutters – 2× 8 A

Dimmers

RFDAC-71B

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

RFDEL-71B

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

RFDEL-71M

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

NEW

RFDEL-76M

Universal dimmer, 6-channels – 6 x 150 VA

RFDA-73M/RGB

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

Temperature control

RFTC-10/G

System temperature controller

RFTC-50/G

Autonomous temperature controller

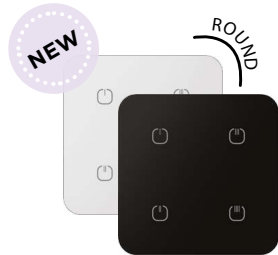**RFSTI-11B**

Switch unit with a external temperature sensor
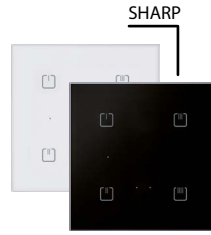
RFTI-10B

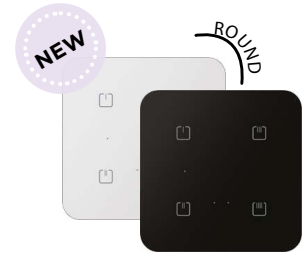Temperature sensor (internal + external)

TC   TZ

Temperature sensors

NEW ROUND

RFGB-220/W - white glass
RFGB-220/B - black glass

Glass touch controller,
ROUND – 2 buttons

NEW ROUND

RFGB-240/W - white glass
RFGB-240/B - black glass

Glass touch controller,
ROUND – 4 buttons

SHARP

RFDW-71/W - white glass
RFDW-71/B - black glass

Glass touch controller
with dimmer, SHARP

NEW ROUND

RFDW-271/W - white glass
RFDW-271/B - black glass

Glass touch controller
with dimmer, ROUND

NEW integrated antenna

RFSA-61M **RFSA-61MI**

Switching units, 1-channel
– multifunction, 1× 16 A

NEW integrated antenna

RFSA-66M **RFSA-66MI**

Switching units, 6-channels
– multifunction, 6× 8 A

IP 65

RFUS-61

Switch unit with in-
creased protection,
1× 12 A, multifun-
ction

RFSC-61

Switching socket-plug,
– 1× 16 A, multifunction

NEW IP 65

RFOSC-61

Switching sockets
with increased
protection

RFDSC-71

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

TELVA-2

Thermodrive
ON/OFF, 0-10V

Overview of wireless system units

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

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
Ligting control unit
with pair detectors
and external button
input

RFSTI-111B
Overheating/overcoo-
ling switch unit with
advanced functions

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

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

Supported video cameras

Protocols MJDEG, RTSP, ONVIF

Supported intercoms

2N

HIK VISION

RFSF-100
Flood
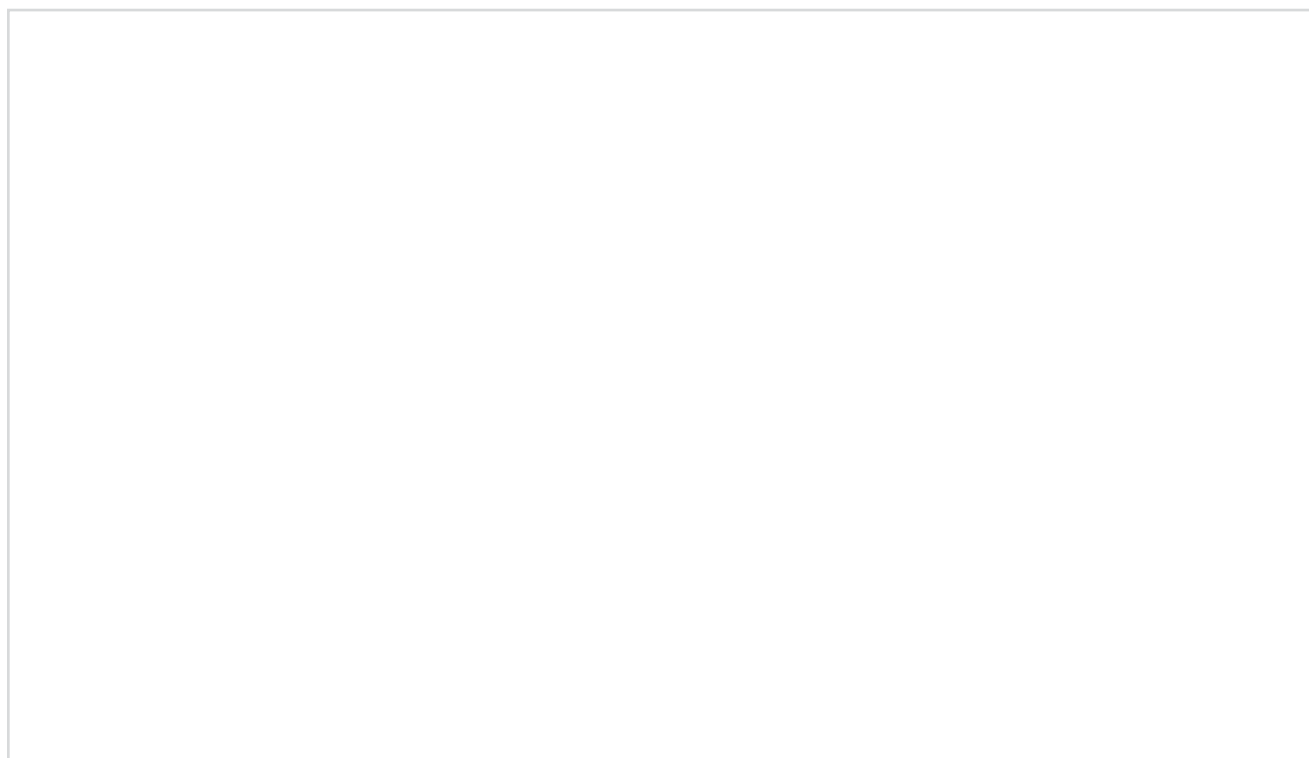detector

RFSOU-1
Twiilight
switch

IP
65

RFWD-100
Window/Door
detector

RFMD-100
Motion
detector

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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www.elkoep.com