

SMART WIRELESS ELECTRO-INSTALLATION



iNELS[®]
RF Control

10 REASONS for Wireless Smart Home Solution



ELKO EP HISTORY

ELKO EP NUMBERS

PRODUCT PORTFOLIO

INTRODUCTION OF SMART HOME SOLUTION

BASIC TECHNICAL PARAMETERS

PRINCIPLE OF FUNCTION

GROUPS OF SYSTEM

TV APPLICATION

UNIVERSAL IR REMOTE CONTROL

MONITORING UNITS

EASIER LIFE WITH RF CONTROL

WHY RF CONTROL

DIFFERENCES BETWEEN RF AND BUS SOLUTION

APPLICATION ANDROID/ iOS

ELKO EP Company History

- 1993 ● Jiří Konečný started business in this field, in his garage.
First product was switching power units for electrical heating.
- 1997 ● The company ELKO EP Ltd. was founded
- 2002 ○ First branch office ELKO EP Slovakia, export was started.
- 2005 ○ New production and office spaces in Holešov - Všetuly.
New branch offices ELKO EP Poland and ELKO EP Hungary.
- 2006 ● Intelligent electro-installation iNELS BUS launched to the market.
- 2007 ○ Establishing a branch office ELKO EP Russia.
- 2008 ● Intelligent electro-installation iNELS RF (wireless control) launched to the market
- 2009 ○ Branch office ELKO EP Ukraine / Exclusive distributor of sockets and switches LOGUS⁹⁰
- 2010 ○ iNELS Multimedia launched to the market / Awards of "Innovation of the Year" for RF Touch
- 2012 ● ELKO EP - The company of the year
- 2013 ○ 20 years on the market / New branch offices ELKO EP España and ELKO EP Austria.
- 2014 ○ Awards for LARA and Smart RF Box
- New branch offices iNELS Smart Home LLC USA and ELKO EP Middle East in Dubai.
- 2016 ● Own test lab opened.



ELKO EP NUMBERS

Supervise **80%** share of the Czech market

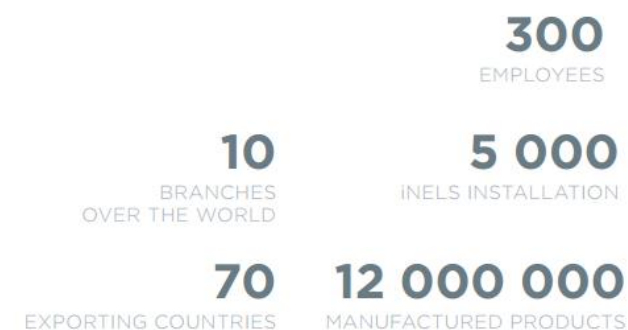
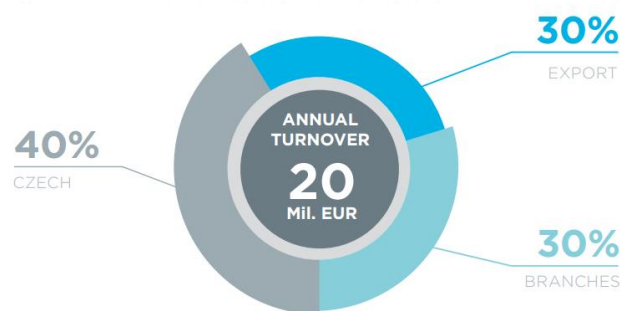
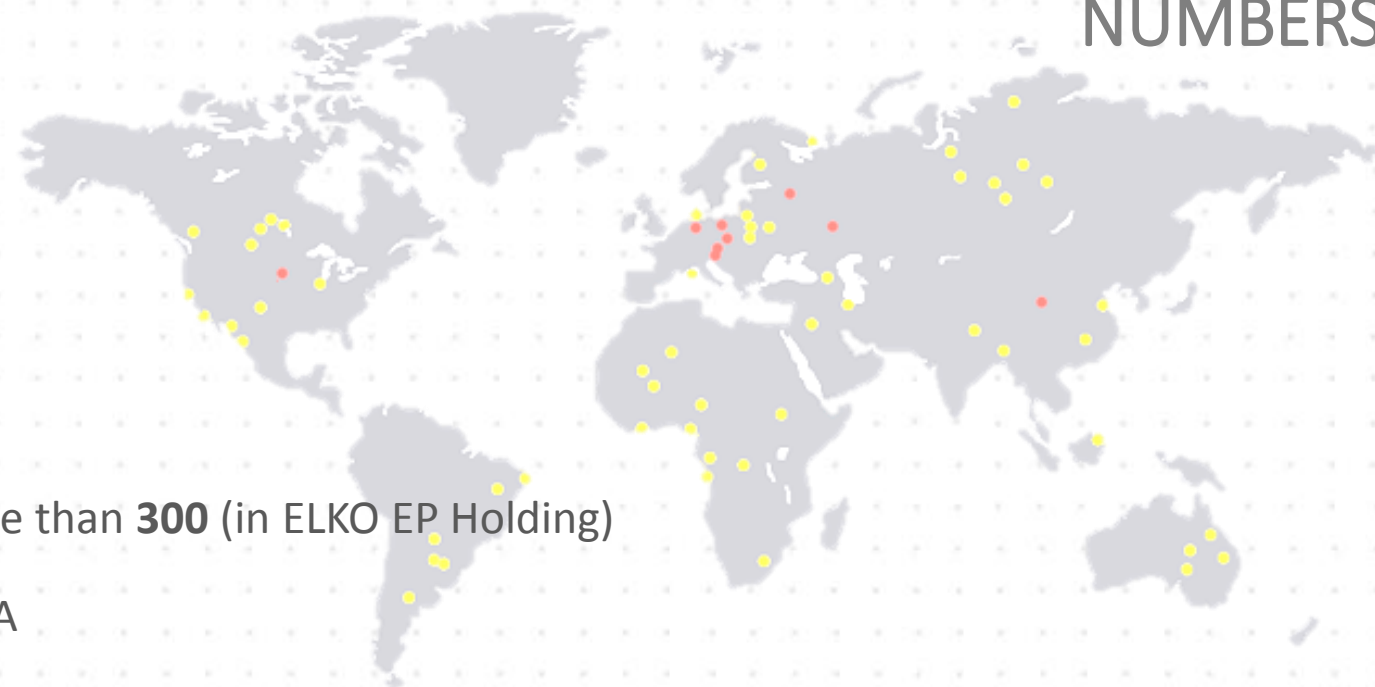
The **3th** position in Europe in relays business

The annual turnover is **20** mil. EUR

iNELS products to more than **5 000** installations

More than 230 employees (in headquarters) and more than **300** (in ELKO EP Holding)

Eight branch offices in Europe, **one** in Asia, **one** in USA



PRODUCT PORTFOLIO



RELAY - Modular electronic devices



iNELS BUS > BUS system



iNELS RF Control > Wireless system



AUDIO/VIDEO



LOGUS90 - Home switches and sockets



LIGHTING - LED light sources





iNELS RF Control – Wireless Home Control System

Operates at a frequency of **868 MHz**, frequency intended for just for building automation

Range up to **200 m** in free space

Transmission power **24mW**

The way of communication : „**bidirectional**“

32 channels to 1 receiver

One channel can controls unlimited actuators

Transmitters powered by battery with lifetime **5 years**

Compatibility with iNELS BUS system, EN Ocean, Zwave (connection server)



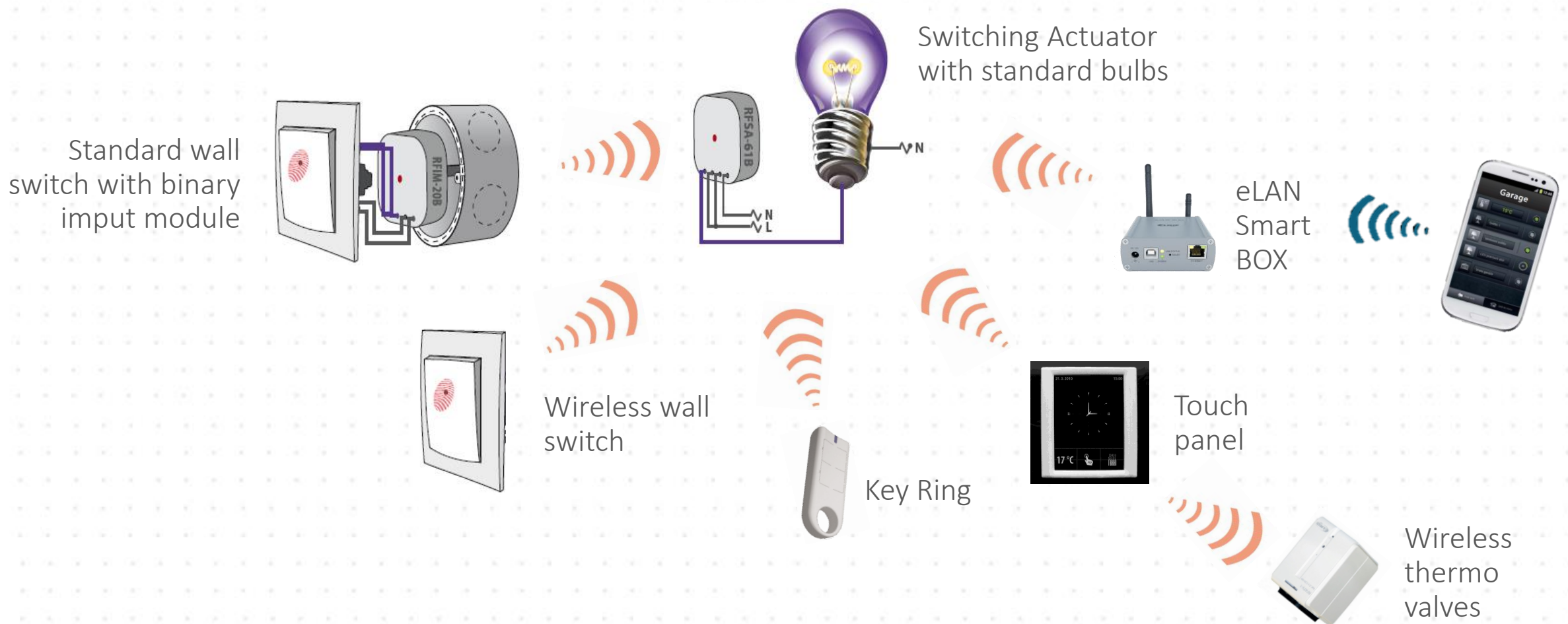
Czech and Moravian
electrical and electronic
Association



SMART HOUSE
ASSOCIATION



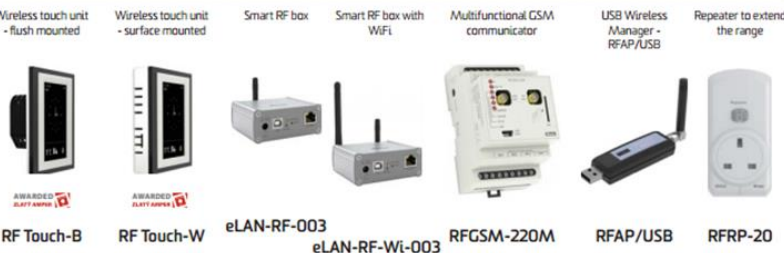
CUSTOM
ELECTRONIC
DESIGN &
INSTALLATION
ASSOCIATION



Controllers



System units



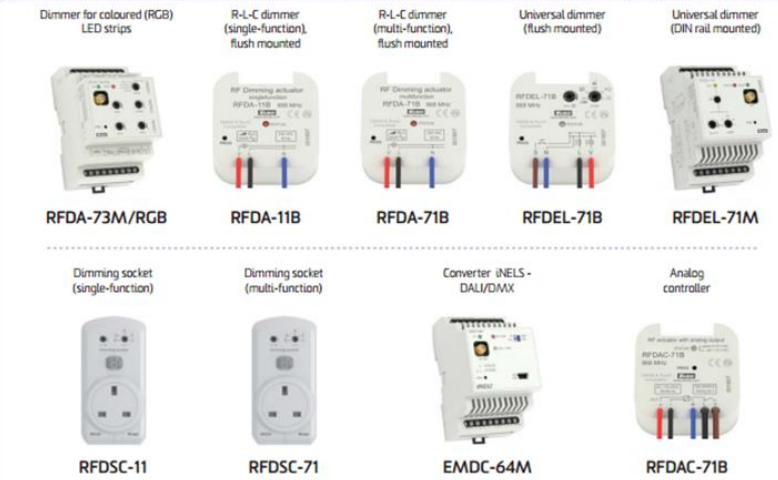
Switches



Temperature control



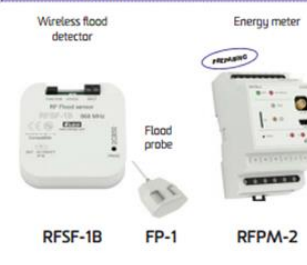
Dimmers



Lighting



Monitoring units



Controllers

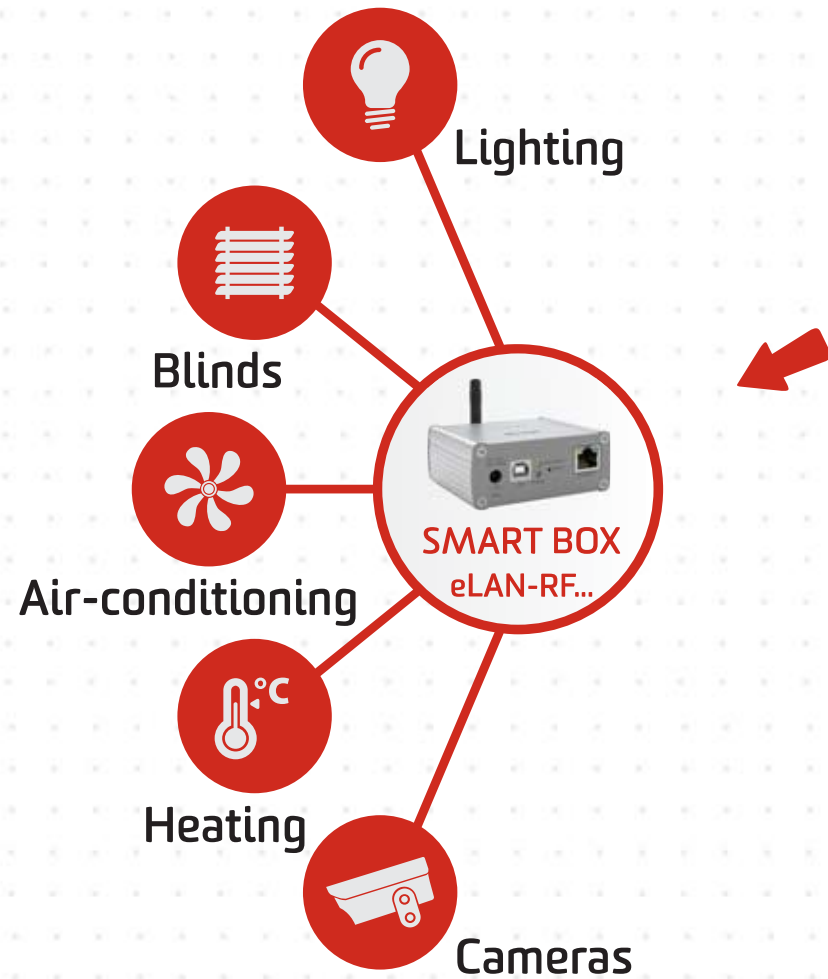
System units

Switches

Dimmers

Temperature control

Lighting & Monitoring units



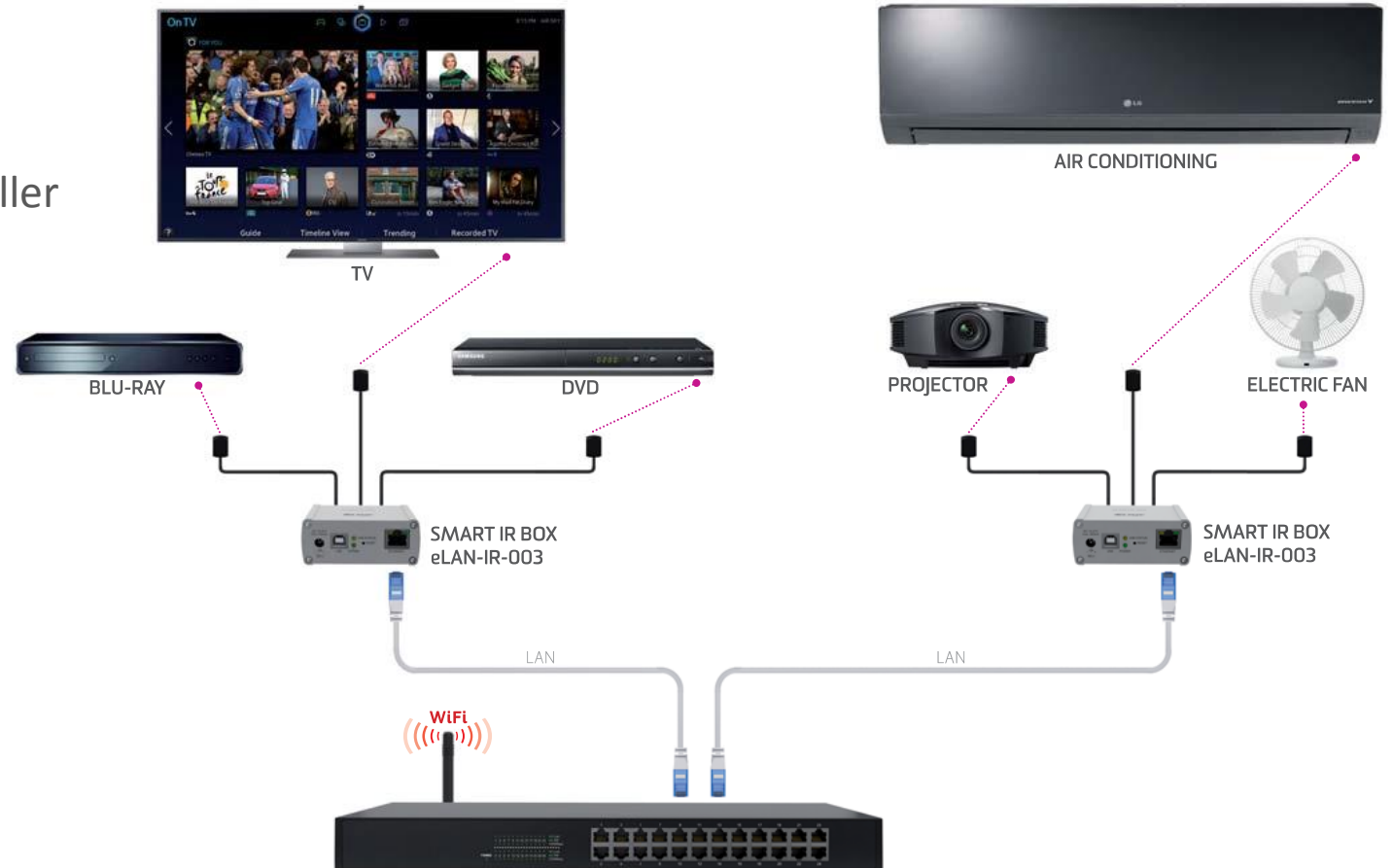
Smart IR box

Load the commands from any remote controller

Up to 100 commands

Download app

Control any aircondition, TV, DVD...



Flood sensor

Detectors

Energy measuring



Window detector



Door detector



PIR detector



RFSF-1B
Flood sensor

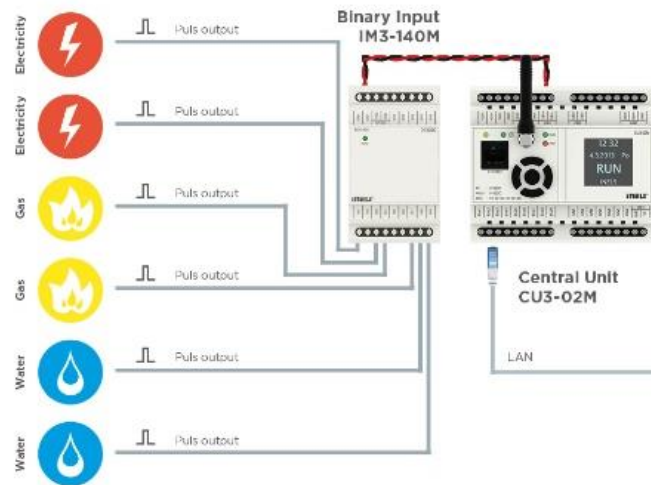


RFPM-2
Energy meter

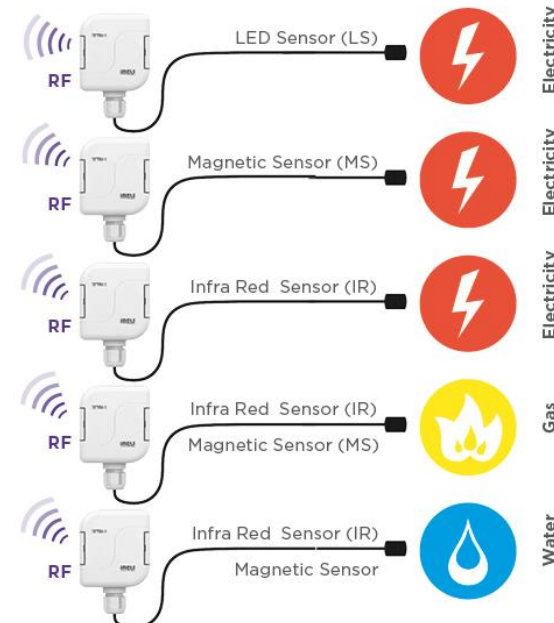
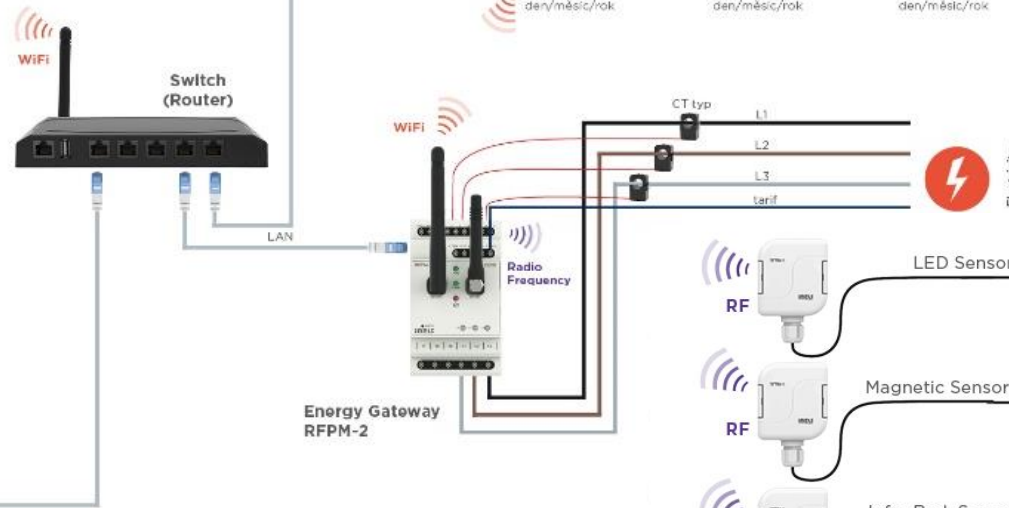
➤ BUS (wire solution)
for bigger buildings



RF (wireless solution)
for current buildings and homes



... up to 14 outputs
(more IM3-140M input modules should be used)



ENERGY MANAGEMENT



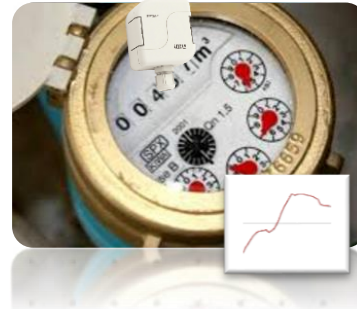
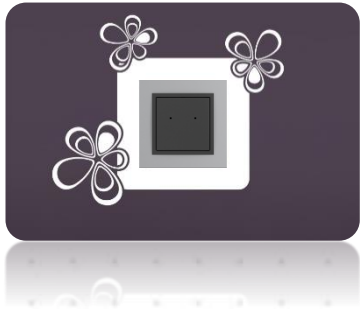
RFPM-2



RFTM-1
Wireless pulse
converter

... up to 8 outputs

How RF solution can change your house and make your **life easier?**



Why you should choose RF Control?

Our RF portfolio is complete and we have really all things what the customers need.

The system is very easy to set

All versions iNELS RF Control are compatible between

iNELS RF Control is not toy – RF Control is complete system

We have own development and production

Online technical support – system partner is in touch with one person

RF Control is compatible with our BUS solution.

iNELS RF CONTROL

Easy to install

You don't need the certificate

Cheaper

Suitable for reconstruction

Decentralized system

You can combine with BUS

iNELS BUS

Difficult to install

You need the certificate

Expensive

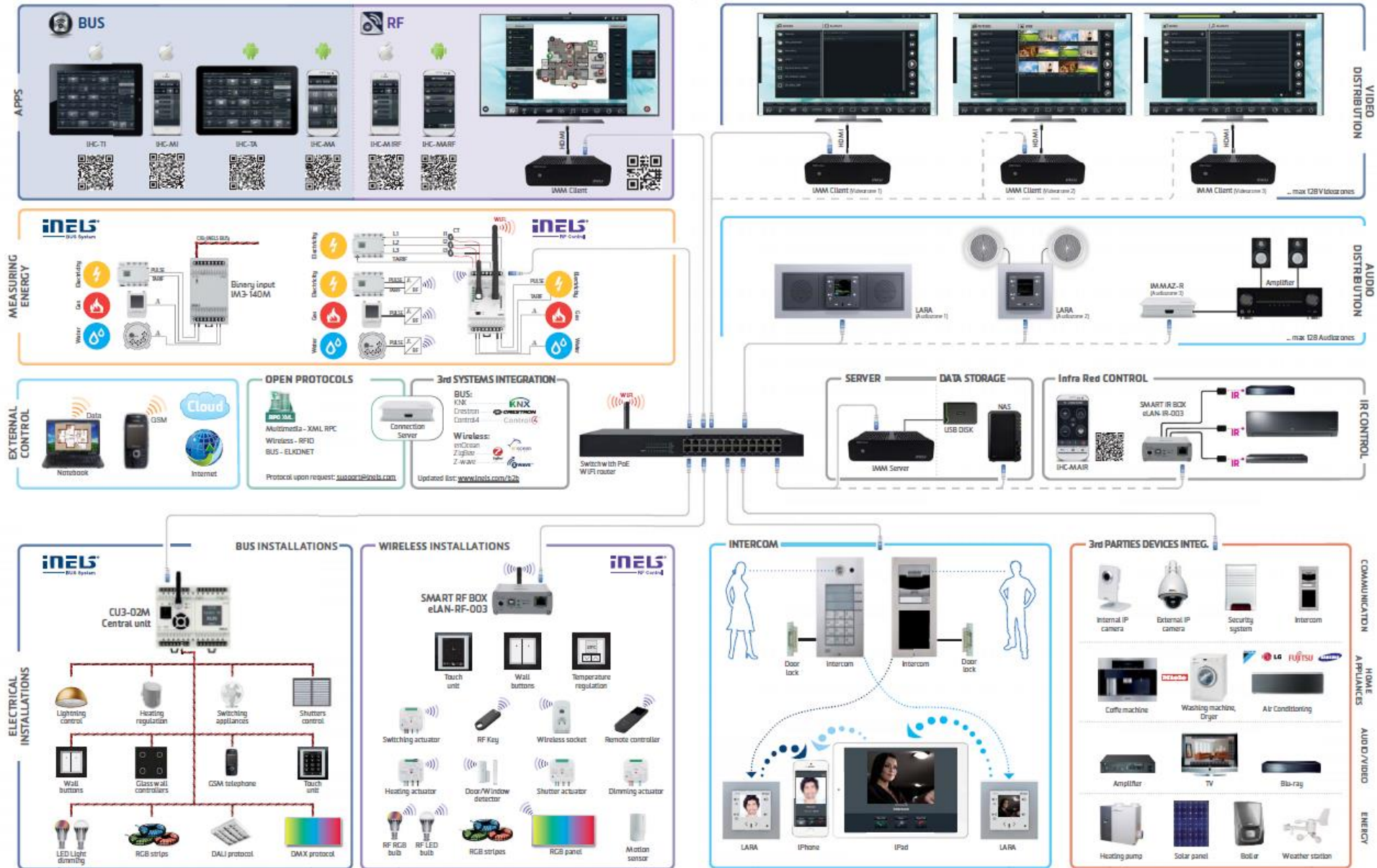
Suitable for new buildings

Cecentralized system

Sophisticated functions

You can combine with RF

DIFFERENCES BETWEEN RF AND BUS SOLUTION?



- Installation without breaking the walls
- Could be moved any time - elements are not kept by wire but by the waves
- Any time expandable - actuators and drivers can increase exponentially
- Appropriate to existing installations
- Variable control - switch, keychain, remote control, touchscreen unit
- Centralized control - thanks to RF Touch
- Planning for the week ahead
- Combination with detectors - motion, smoke, opening windows/doors
- Controlling actuators as a group with a single touch
- Luxurious design



YOUR HOUSE UNDER THE THUMB

- kit is used for controlling home via mobile phone



ONE CONTROLLER FOR ALL

- All remote control in the mobile phone



GAME OF LIGHTS

- kit for controlling lights via smartphone



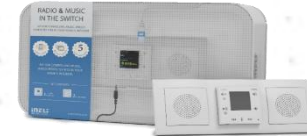
REMOTE HEATING

- kit to control heating via smartphone



HEATING WITH SAVINGS

- kit to control heating via wireless touch unit



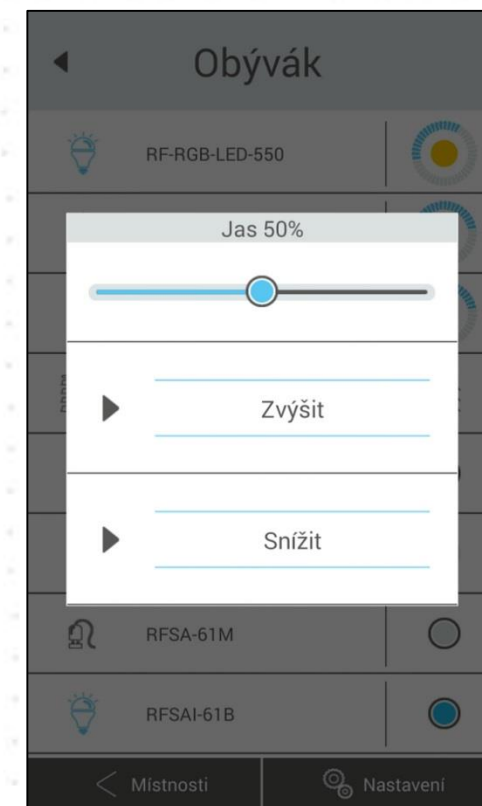
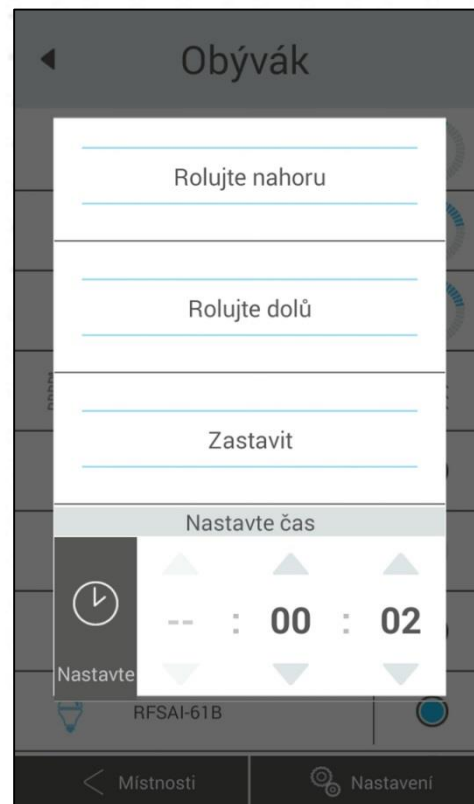
RADIO & MUSIC IN THE SWITCH

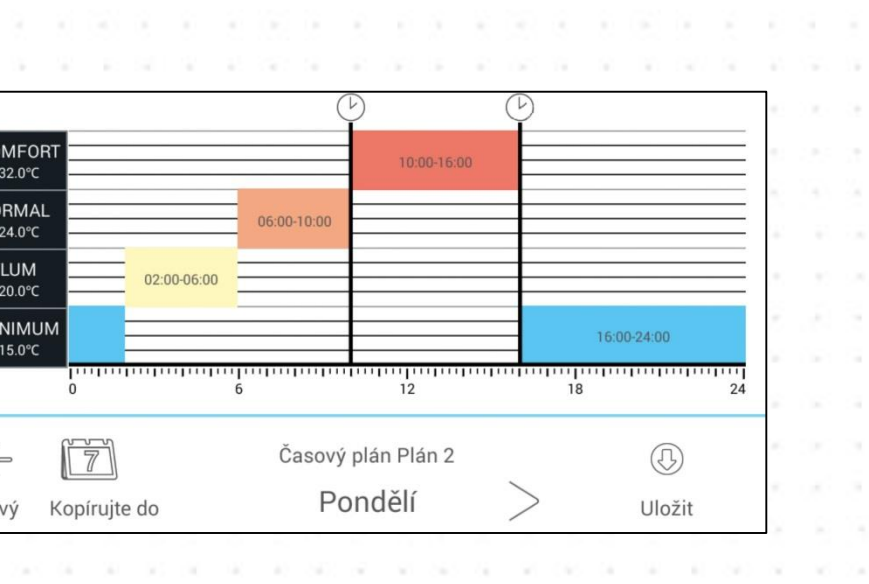
- kit to control music which will be integrated with your interior at home



EASY HEAT THERMOREGULATION

- kit for wireless controlling of electric cooling





THANK YOU FOR YOUR
ATTENTION

SMART WIRELESS
ELECTRO-INSTALLATION



INELS[®]
RF Control

