REMOTE HEATING

KIT TO CONTROL HEATING VIA YOUR SMARTPHONE

SAVING ENERGY

QUICK INSTALLATION

5 YEARS GUARANTEE

EACH ROOM UNDER CONTROL, ALL THERMOSTATS IN SMARTPHONE.

iNELS®
smart home solutions

www.inels.com/kits

EVEN YOUR HOME CAN
BE „**HEATED UP**"!

Would you like some help?

REMOTE HEATING

CONTROL YOUR HEATING VIA SMARTPHONE

Includes 3 wireless thermovalves that are installed in the supply pipe to the radiator. It measures the room temperature and sends it to the Smart RF box that compares it with the temperature set along with the time schedule in the App in your smartphone; sends a command to open or close the valve. It is possible to turn on the heating circuit via the App, whether you're at home, or just going to your cottage and don't want to come to unheated place.

This kit will open up new horizons for home automation. It can be extended any time you need and according to your wishes. Depends on you if you want to find something new and upgrade your current installation.

Thank you for buying the kit REMOTE HEATING.

Another kits and additional units can be found on the last pages of the manual or at our webpage:

www.inels.com/kits

USER´S MANUAL

LEGEND:

- **Smart RF box** – the mediator between smartphone and wireless units
- **Unit, wireless unit** – it is a receiver or actuator, which receives RF commands and controls connected devices. It can be e.g. bulbs, switching socket, thermovalve etc.
- **RF (Radio Frequency)** – a radio frequency signal for communication of wireless devices. It works at 868 MHz frequency. The signal goes through buildings which affect the signal.
- **Application** – iNELS Home Control (iHC) is an app for smartphones free to download from GooglePlay (Android) or iTunes (Apple, iOS). App for controlling wireless units.
- **Network cable** – LAN or PATCH cable used to connect devices within a LAN network (e.g. Smart boxes and Routers)

KIT´S CONTENT

Order code: **6307**

$3\times$

WIRELESS THERMOVALVE
RFATV-1

Wireless thermovalve measures the room temperature and sends it to the Smart RF box that enables you to remotely control your heating via the apps iNELS Home Control.

- according to set temperature and time in your phone it opens or closes the radiator valve
- battery supply allows quick and easy installation
- **accessories:** 2x AA batteries (included in the package), adapters Danfoss RAV, RA, RAVL

Order code: **4684**

$1\times$

SMART RF BOX
eLAN-RF-003

The smart box is the mediator between your controller (phone, tablet, Samsung Smart TV) and wireless units controlling lights, heating, blinds, sockets and other appliances.

- appliances can be controlled from your home over youWiFi network
- if you would like to control your appliances once you are not at home, please contact your network provider (it is necessary to preset your router)
- **parameters:** connection LAN RJ45, power supply 10 to 27 V DC (adapter included in the package), dimension 90 × 52 × 65 mm

Order code: **6700**

$1\times$

NETWORK CABLE
1 M

Order code: **6719**

$1\times$

POWER ADAPTER

6x batteries AA included in the package

HOW DOES IT WORK?

- Smartphone sends a command through WiFi network to router that is connected with Smart RF box. Smart RF box converts this network command to wireless command to control Wireless thermovalve.

Each wireless unit is numbered 1,2,3, it corresponds to the name in Wireless touch unit (Heating 1, Heating 2, Heating 3). It is possible to connect up to 30 Wireless thermovalves or other wireless units.

Router

Adapter
AC 230V

Smart RF
box

Wi-Fi

Control range depends on power (coverage) of your WiFi network.

Remote control
If you want to control your devices even outside the house, contact your IT administrator.

THE RANGE OF RF SIGNAL

The range of RF signal is **up to 200m** in the free open air.

TRANSMISSION OF RADIOFREQUENCY SIGNALS IN VARIOUS MATERIALS

| brick walls	wooden structures with plaster boards	reinforced concrete	metal partitions	common glass
60 - 90 %	**80 - 95 %**	**20 - 60 %**	**0 - 10 %**	**80 - 90 %**
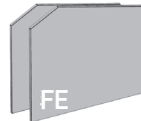
INSTALLING A WIRELESS TOUCH UNIT

- Place a Smart RF box in the best possible position from RF units.
- Optimal placement of Smart RF box is in the middle of space between other unit
- Please keep in mind, that the number of walls, ceilings reduce the signal strength and thus limits the range of wireless units.
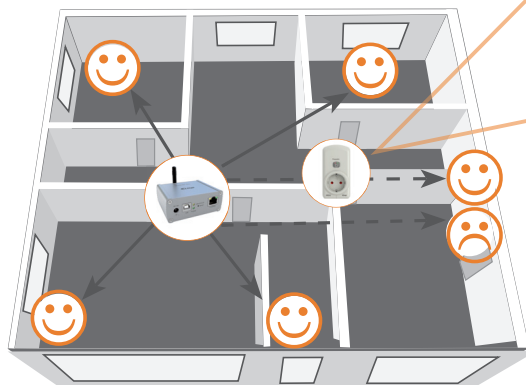
REPEATER to extend the range

Order code: **4510**

In case of insufficient connection between RF unit we offer the following possibilities:
- **RELOCATE UNIT**
- **USE REPEATER** (plug-in signal repeater) - install between Smart RF box and RF unit which is out of the range.

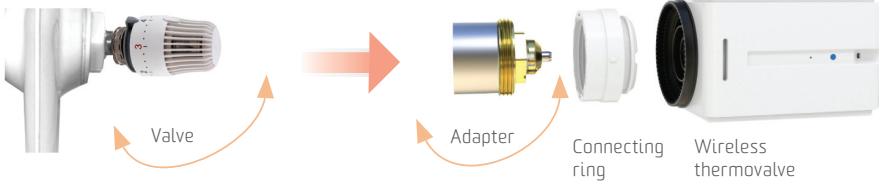# INSTALLING A WIRELESS THERMOVALVE

• Power supply

1. Open battery cover
2. Insert battery (keep in mind the polarity)
3. Close the cover

2.

1.

• Mounting

Wireless thermovalve can be quickly and easily mounted on all common valves.
It can be installed without grime and water spots because the heating circuit is not interrupted.

1. Use an appropriate adapter, if required, and push it into the valve.
2. Screw the connector on the valve or the adapter.
3. Put RFATV-1 into the connector (connecting ring) until it noticeably clicks into place.
The wireless thermovalve must be installed evenly to the connecting ring.

Valve

Adapter

Connecting ring

Wireless thermovalve

• Auto calibration of wireless thermovalve

After placing a Wireless thermovalve to vent, it is necessary to calibrate the valve on vent. It can be done by pressing „blue" button directly on a thermovalve (using the key). During this operation please do not manipulate with the thermovalve. Auto calibration is finished by a blink of green LED diode on Wireless thermovalve.

Blue button

Green LED

Press by „the key"
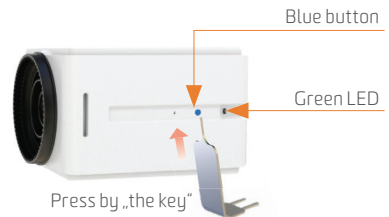
• Dismounting

Wireless thermovalve can be quickly and easily dismounted using the other side of the key.

Address

TYPE OF VALVE:	TYPE OF ADAPTER
Danfoss RAV: (The attached pin should be mounted on the valve tappet.)	

TYPE OF VALVE:	TYPE OF ADAPTER
Danfoss RA:	

TYPE OF VALVE:	TYPE OF ADAPTER
Danfoss RAVL:	

APP DOWNLOAD

1. Download app to your smartphone.

• You can download Apps from your Google Play (for smartphones with Android operating system) or from iTunes (for iPhone). App is free to download and there is no monthly fee.
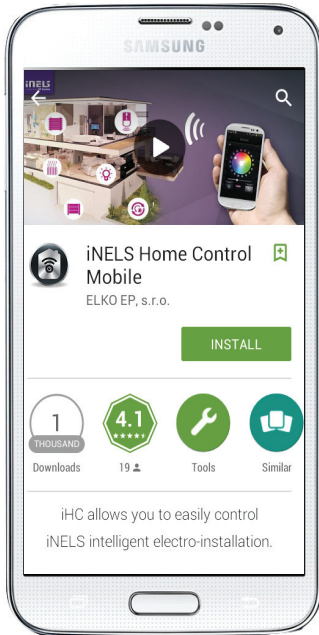
iHC - MARF

Link to your App:
play.google.com
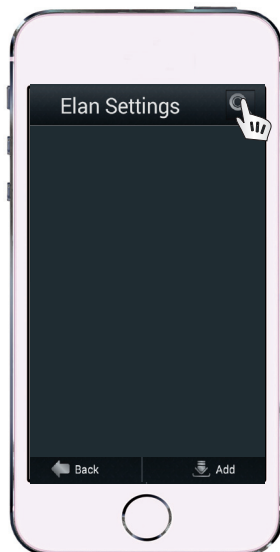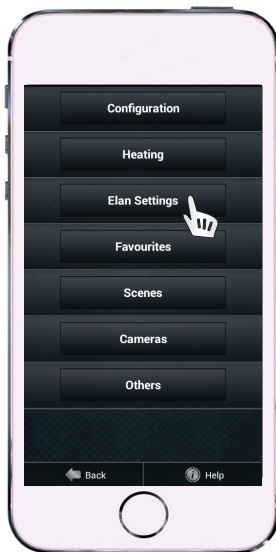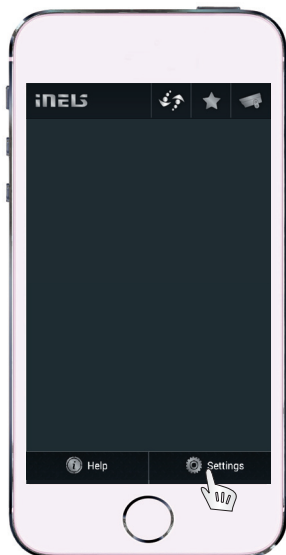
ihc-marf

iHC - MIRF

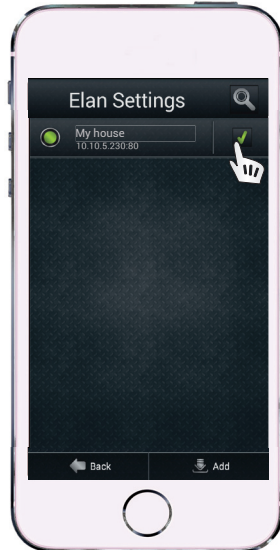Link to your App:
itunes.apple.com

ihc-mirf

FIRST RUN

WIFI   Make sure your smartphone is connected to the same Wi-Fi network as Smart RF box.

To set the IP address press the „Settings".

Then tap the Tab „eLAN Settings", and click on the magnifying glass icon in the upper-right corner. The searching of Smart RF box is performed.
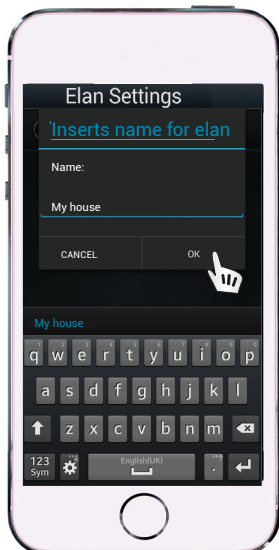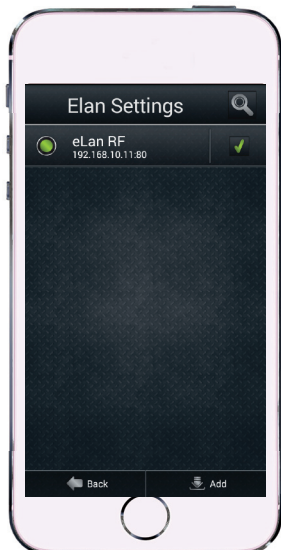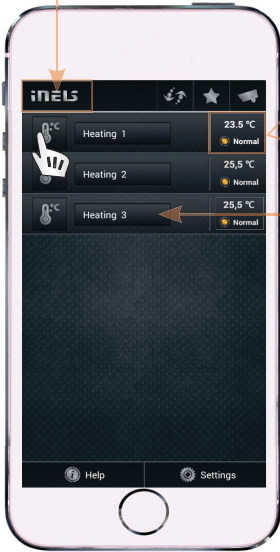

You can give any name to Smart RF box. On the right side of the screen confirm your selection of Smart RF box (green symbol). Then double tap the Back button to return. The home screen will appear with notification „New data downloading" and then the preset items will be displayed.

APP CONTROL

Click on the icon „iNELS" to return to the Home screen.

25,5 ℃ ← The actual recorded temperature from Wireless thermovalve.
Normal ← The actual heating mode.

Heating circuit: Long press on the individual units (Heating 1, Heating 2, Heating 3) to go to the menu „Temperature settings".

The sensitivity level to „an open window":
- 1 - Low sensitivity - temperature drop more than 1.2 ° C / min.
- 2 - Medium sensitivity - temperature drop more than 0.8 ° C / min.
- 3 - High Sensitivity - The temperature drop more than 0.4 ° C / min.

OFF time of the function „an open window":
Close the Wireless thermovalve for a set period of time after detection of „an open window".

Heating ON and OFF

Battery status. In case of low battery the icon ⬛ is lighting up. Then it is necessary to replace a battery.

- Temperature choice: drag the finger across the slider to increase/decrease temperature.
- Temperature mode: by touch you can switch between the individual heating modes (you can set the temperature for each mode - see page 12).

- ATTENUATION - MINIMUM - NORMAL - COMFORT

TEMPERATURE MODE ADJUSTMENT
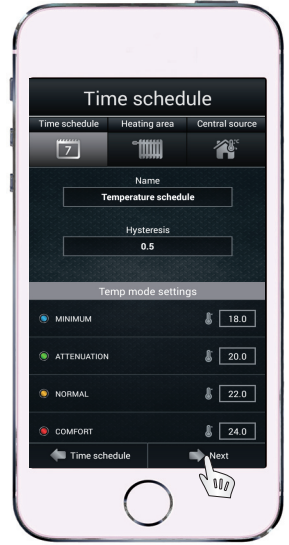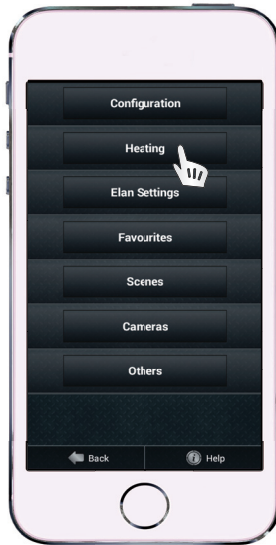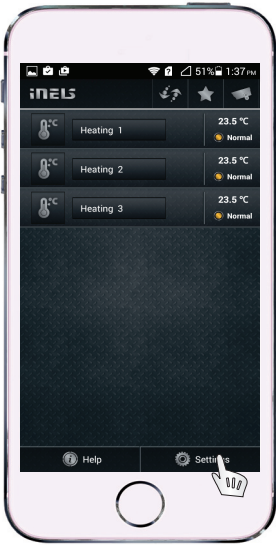
Click on the Setting, then on the Heating and Time Schedule. Name the Time Schedule, choose the hysteresis and change a temperature for each heating mode. Then click on „Other".
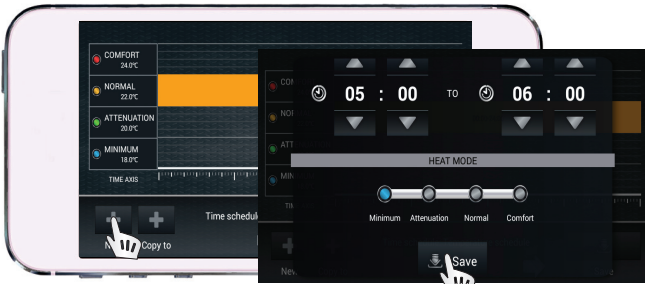
*The Minimum mode is set as the default mode, for the whole day.*

Click on „New" and then create a Time interval with the chosen temperature mode.

Then click on „Save".

By clicking on the chart at the beginning or at the end of the selected heating mode, the clock icon will appear at the top of the screen. By dragging your finger across the icon you can change the beginning and the end of heating mode.
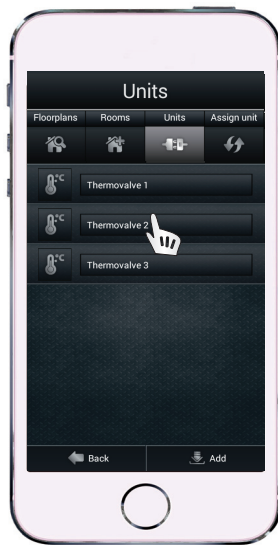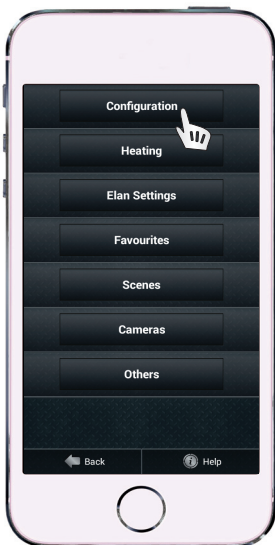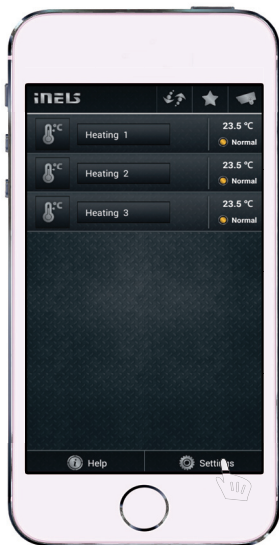
The heating schedule can be copied to the next days using the press key - „Copy to". Tick the days and then press the „Copy" to save into the memory.
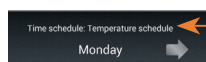
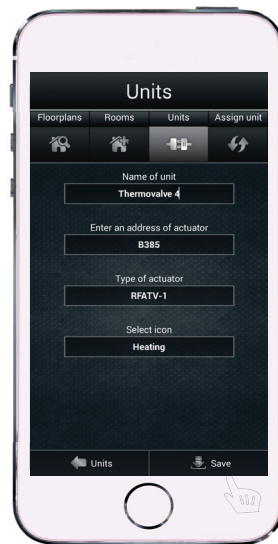*Click on the arrow keys in the bottom part of screen to view the heating modes in the entire week.*
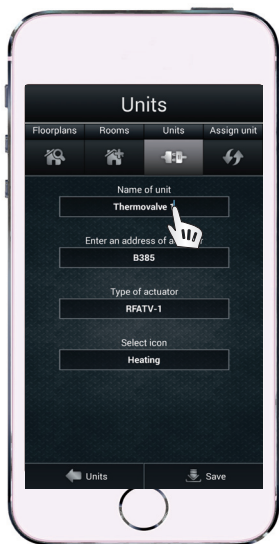
EDIT THE UNIT NAME

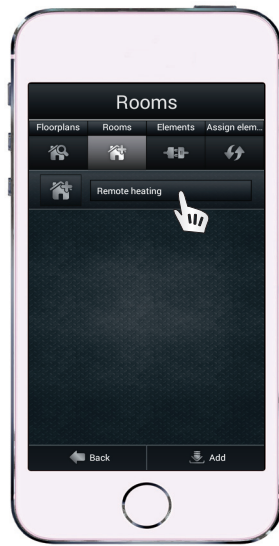*The default names of the Wireless thermovalves can be changed.*
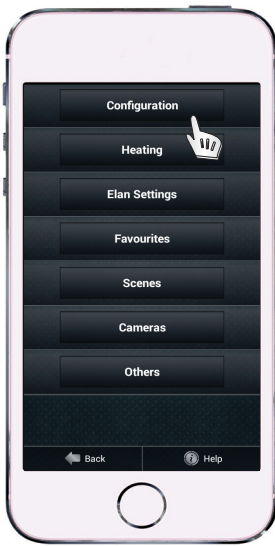

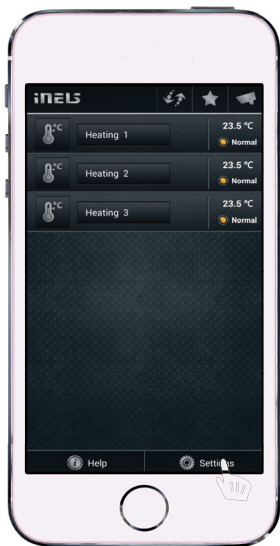*Click on the „Settings", then on the „Configuration".*

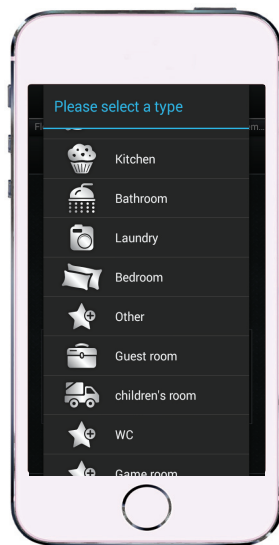*Units - the list of the added units.*

Select the unit whose name you want to change and edit the Unit name. To stop recording changes, click the Save button. By pressing the Back button you will return to the Menu Units.

CREATE ROOMS

The room is used to group units.

Click on the „Settings". Then on „Configuration" and „Rooms".
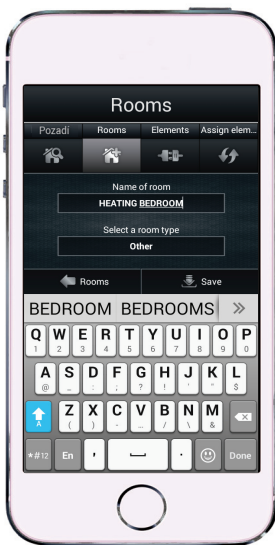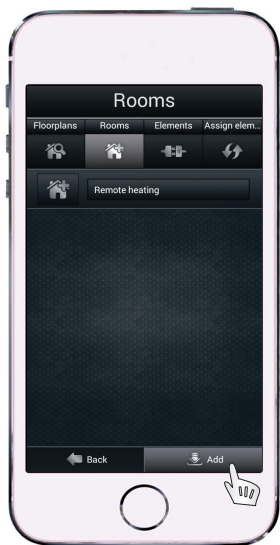
Click the Add button. Select any name and room type. In the same way you enter the next room (the room Remote heating is set as default). The room type determines the icon associated with the room.

ASSIGN A NEW UNIT TO ROOM
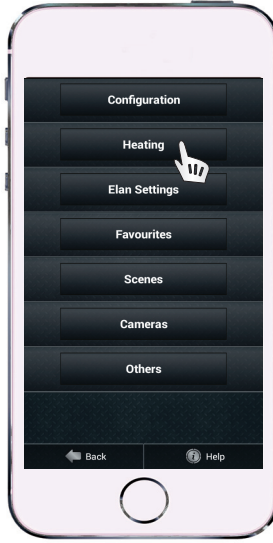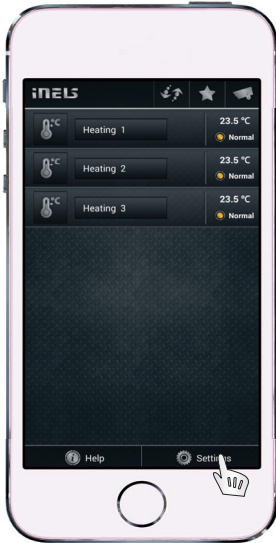
Click on the „Settings", then on „Heating" and „Heating circuit/area".
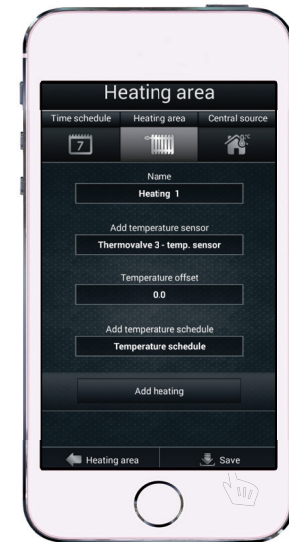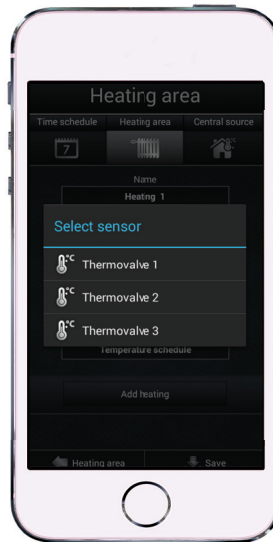
Click on the „Add a temperature sensor", then select a unit and press the Save button.

TAB FAVORITES

Tab Favorites is used to choose the most commonly used Units.
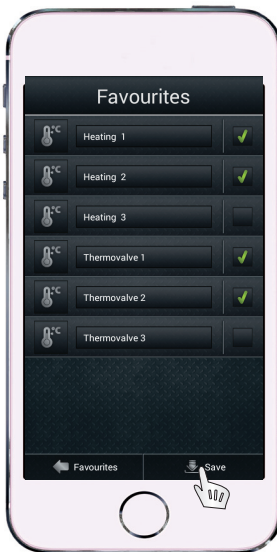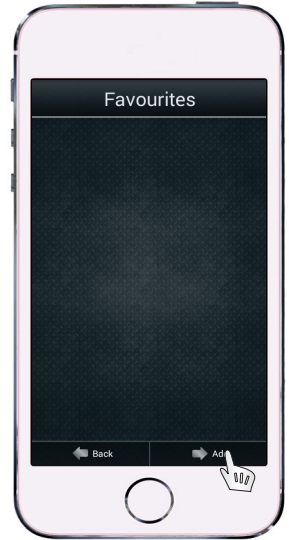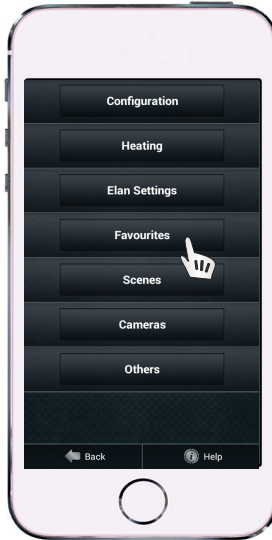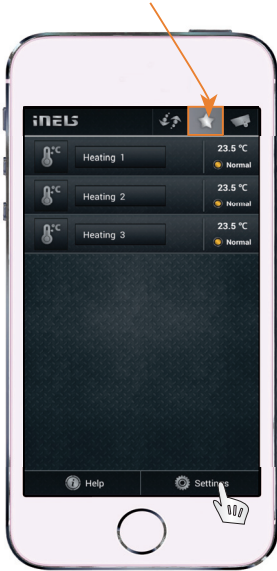
Click on the „Settings" and then on the Tab „Favorites". Press the Add button to open the list of all Units. Select the required units and by pressing the Save button you can assign them to the list.

TAB SCENES

The Scene is used to perform multiple operations - by pressing a single key you can run several commands at once (e.g. full heating, minimum heating etc.).
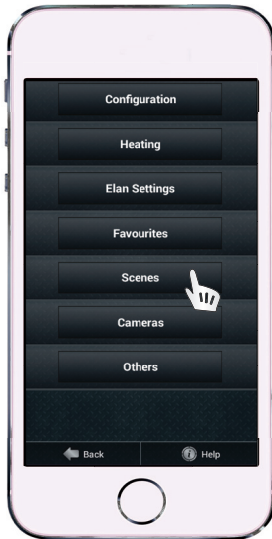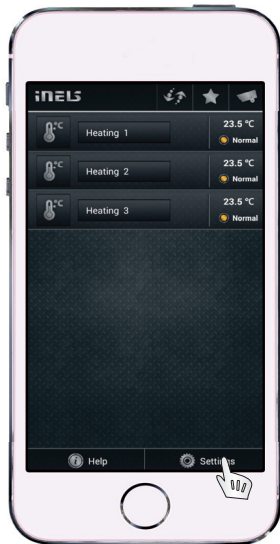
Click on the „Settings „ and then on the Tab Scenes. Then using the Add button you create the Name of the scene and go to the „Unit choice". Press the button „Other" to choose the Unit function.
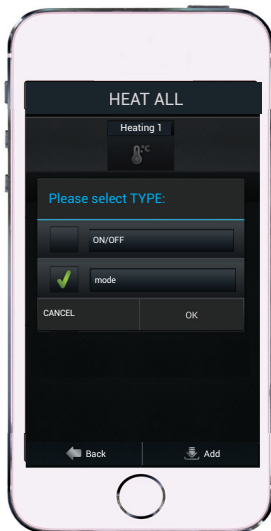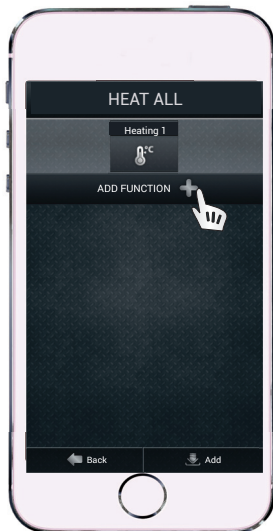
You can assign several functions to the units from the menu bar at the top. Click on the function to adjust the settings. In the same way you will assign the function to other units. Then press Add.

TAB CAMERA

To App you can connect and monitor up to 10 cameras such as iNELS cam or Axis.
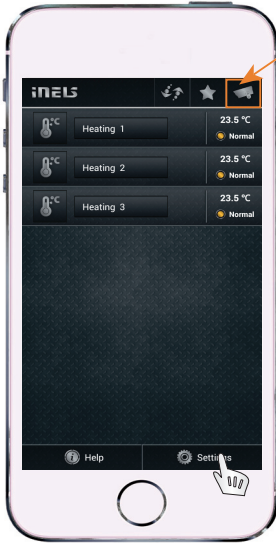
*Click on „Settings"
and then on Tab Camera.*
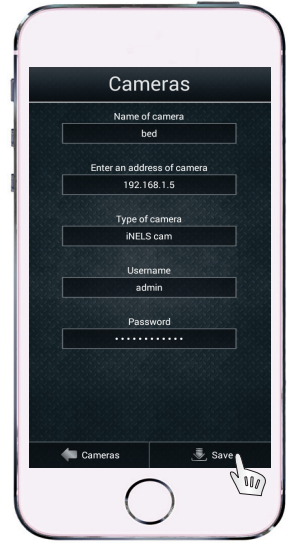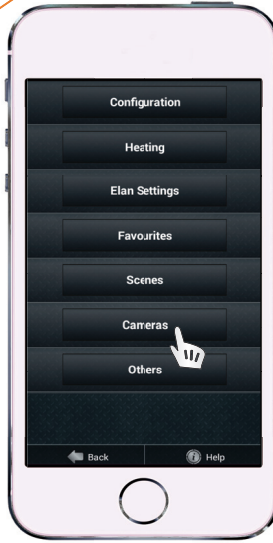
Please enter all required data on the screen and then press button „Save".

iNELS cam:
*The name of camera: Any
Enter the camera address: Any
(default 192.168.1.5)
The camera type: iNELS cam
Login: admin
Password: dumpodpalcem*

Axis:
*The name of camera: Any
Enter the camera address:
IP address assigned according
to your network
The camera type: Axis
Login: root
Password: pass*

*Directional
control*

Zoom

PTZ (pan-tilt-zoom) - remote directional and zoom control

Some cameras Axis provide pan, tilt and zoom functions (PTZ). In the app you can control motion picture (enabling wide area coverage) and zoom in/ zoom out (by button plus/minus).

Complete list of supported cameras can be found at: www.inels.com

ASSIGN A NEW UNIT
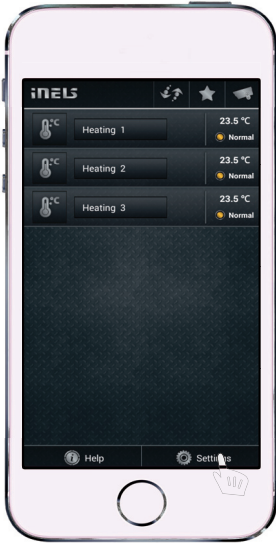
Click on the Settings, then on Configuration.
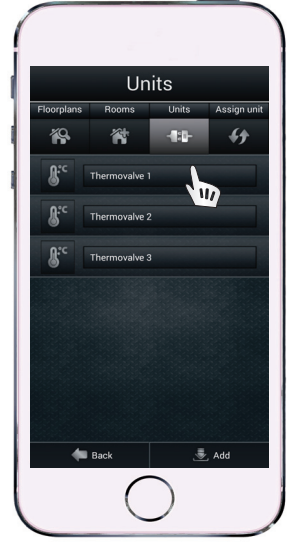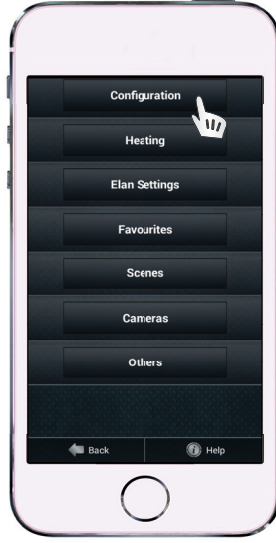
Click on the Tab Units.
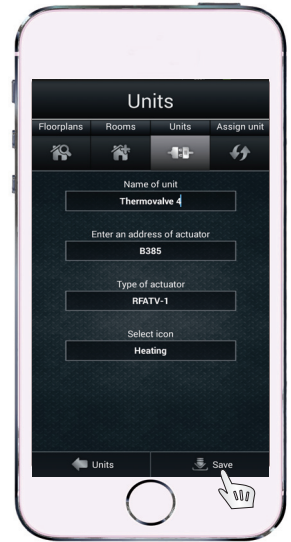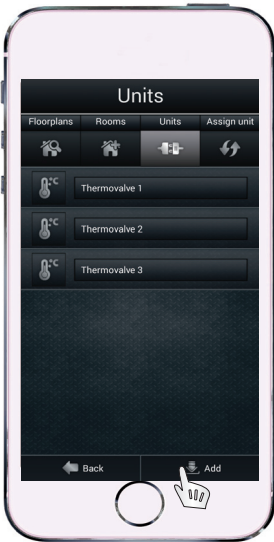
To assign other Units click on Next. Enter the required data (The unit name: Any; The IP address: see Fig.1 (page 20); The unit type: unit type name; The device type: according to the function of the unit) to add another unit. Then return to the Units menu.
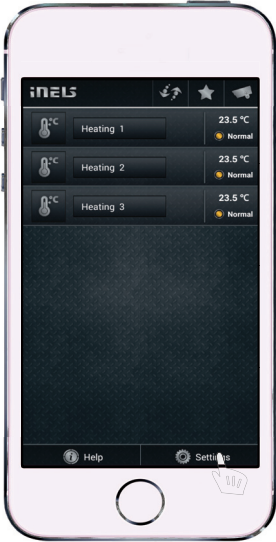
Click on the „Settings" and then the „Configuration".
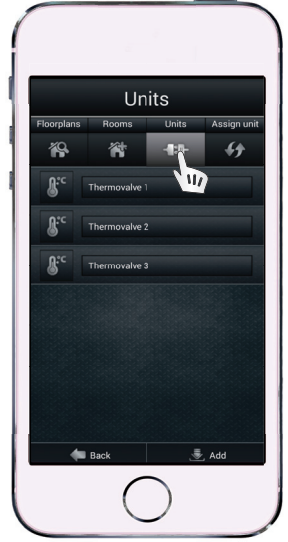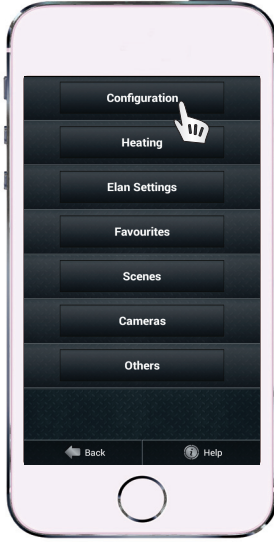
Click on the Tab Units or Rooms which you want to delete.
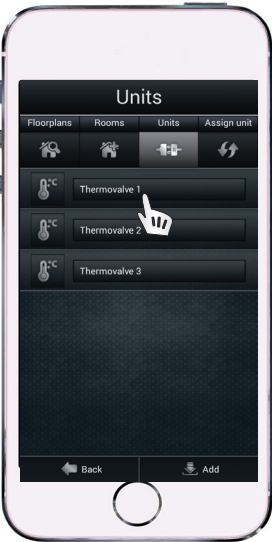
Delete using long press.

MARKING IP ADDRESSES AND TYPES OF INDIVIDUAL UNITS

Fig. 1

DESIGN
BOX
Unit type: **RFSA-61B**
Address: **00150A**

DESIGN
THERMOVALVE
Unit type: **RFATV-1**
Address: **007585**

DESIGN
SOCKET
Unit type: **RFSC-61/F**
Address: **005A95**

DESIGN
MODULE
Unit type: **RFSA-66M**
Address:
**00205A
00205B
00205C
00205D
00205E
00205F**

Note: The addresses used for illustration and are unique.

DESCRIPTION OF SMART RF BOX

Front panel

Communication protocol

OASiS & Touch Compatible

868MHz

RF ANT.

Red LED RF STATUS

RF STATUS

Antenna connector SMA
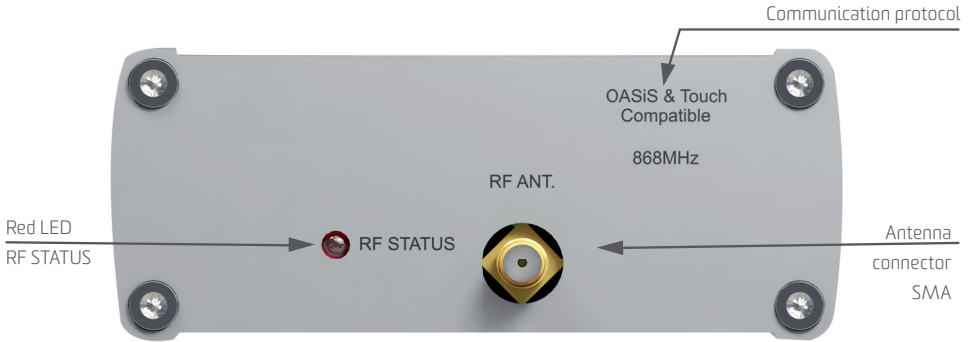
- Red LED RF STATUS - indication of RF transmission
- Oasis & RF Touch Compatible - defines the format of RF commands (RF Control system communication)
- Antenna connector - used to connect RF antenna

Rear panel

Yellow USB status LED

LED indicator of ethernet comminucation

Power connector 10-27V/ 200mA SELV

DC 10-27V max. 200mA

USB STATUS

RESET

Connector Ethernet (RJ45)

USB B connector

USB SELV

POWER

ETHERNET

RESET button

Green POWER LED power indication
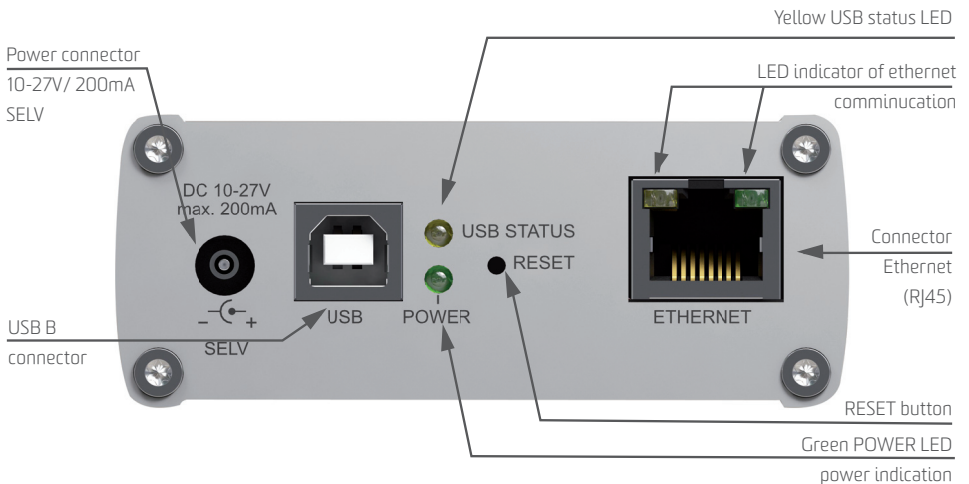
- Power connector - used to connect adapter AC 230 V
- USB connector - in case of a power from USB
- LED indication of ethernet communication - when pressing the button in the app, the LED is blinking - indicator of command transmission to RF unit
- POWER - power indicator
- RESET - device reset to the factory default settings

TECHNICAL PARAMETERS OF SMART RF BOX

RF Control interface	
Communication protocol:	Oasis & RF Touch Compatible
Transmitting frequency:	868 MHz
Signal transfer method:	two-way addressed message
Output for antenna:	SMA connector
Indication of RF communication:	1 x red RF Status LED
Antenna:	1 dB (included in the package)
Range in free space:	up to 100 m

Ethernet communication	
ETH operating status indicator:	green LED
ETH communication indicator:	yellow LED
Communication interface:	10/100 Mbps (RJ45) - automatic DHCP
Preset IP address:	192.168.1.1
Supply voltage / Rated current:	10-27V DC / 200 mA (safety extra low voltage)
PoE supply:	Max. 27V / 200mA max. current
Connection:	Jack connector Ø 2.1 mm
Supply voltage indicator:	green LED

Others	
Other possib. of power supply:	USB-B connector
Indicator of USB activity:	yellow USB Status LED
RESET button:	restart the device / reset the device to it's factory settings
Power supply:	230V AC / 12V DC included in the package
Operating temperature:	-20 .. +55 °C
Storage temperature:	-25 .. +70 °C
Degree of protection:	IP 20
Pollution degree:	2
Operating position:	any
Installation:	any
Design:	design box
Dimension:	90 x 52 x 65 mm
Weight:	136 g

Factory settings:	
Login:	admin, user
Password:	elkoep
IP address:	192.168.1.1 - automatic DHCP

TECHNICAL PARAMETERS OF WIRELESS THERMOVALVE

Supply voltage:	2 x 1.5V battery
Battery life:	1 year
Control	
Frequency:	868 MHz
RF command from the transmitter:	RF Touch
Range in open space:	up to 100 m
Other data	
Operating temperature:	0° up to +50 °C
Working position:	any
Protection:	IP 40
Dimension:	65 x 65 x 48 mm
End cap of thermovalve:	M 30 x 1,5
Piston stroke:	max. 4 mm
Controlling force:	max. 100 N
Relating standards:	EN 60730

Front side

Valve

P.FATV-1
bat: 2 x 1,5V AA

Blue button to calibrate

Green LED indicator

Battery cover

Reverse side

Address
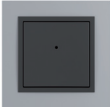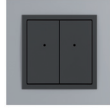
CONTROLLER

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	WIRELESS WALL CONTROLLER Each of the 2 independent push-buttons can control any number of wireless units (switches, dimmers, shutters). In the design of LOGUS90 switch (plastic, glass, metal, wood, stone). Battery-powered 3V/CR2032. Color: white.	**RFWB-20/G** 4037
	WIRELESS WALL CONTROLLER Each of the 4 independent push-buttons can control any number of wireless units (switches, dimmers, shutters). In the design of LOGUS90 switch (plastic, glass, metal, wood, stone). Battery-powered 3V/CR2032. Color: white.	**RFWB-40/G** 4060
	4 BUTTON CONTROLLER - KEYCHAIN Wireless controller sends a command to switch ON/OF or dim any wireless device after pushing the button. You can control independently up to 4 devices. By one touch, you can switch ON any number of units at once. Battery-powered 3V/CR2032.	**RF KEY** 4375
	WIRELESS REMOTE CONTROLLER WITH DISPLAY Universal controller with display enables you to comfortably control wireless units, using all their functions. It enables to create rooms, scenes and favorites sections/folders. It is possible to preset up to 40 units. Battery-powered 2xAAA.	**RF PILOT** 4376
	WIRELESS CONTACT CONVERTER Transmitter serves as the contact converter of external device to the commands for wireless units. It contains 2 inputs, that can be switched ON permanently (by push-button or switch). Battery-powered 3V/CR2477, into an installation box.	**RFIM-20B** 4175

SWITCHES

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	SWITCHING SOCKET Quick solution for wireless control of plug-in appliances, when the switching socket is installed between the existing socket and a plug-in appliance. Output contact 16A/4000W, 6 functions, it is possible to control up to 32 controllers. Dimen.: 60x120x84 mm.	**RFSC-61** French: 4560 Schuko: 4562 British: 4544
	WIRELESS SWITCH UNIT - 6 1-channel and 2-channel switching actuator intended to be mounted into an installation box, that can switch any device. It can control up to 32 controllers. Power supply 230V. RFSA-61B: Switching contact 16A/4000W. RFSA-62B: 2 independent 8A/2x2000W contact.	**RFSA-61B (RFSA-62B)** 4499 (4770)

SWITCHES

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	WIRELESS SWITCH UNIT - 6 OUTPUTS 6-channel switching actuator intended to be installed in the swich--board contains 6 independent 8A contacts, that can switch any device connected in switchboard. Power supply 230V. The antenna AN-I included in the package can be replaced by external type AN-E what eliminates the influence of metal door of switchoboard.	**RFSA-66M** 4282
	SWITCH UNIT FOR OUTDOOR USE 1-channel switching unit in the box that provides higher protection level. Intended for outdoor installation suited for wet, humid and dusty areas. Output switching contact 12A/3000W, power supply AC 230V, 6 functions. It it possible to control up to 32 controllers. Enclosure IP65, dimension 136x62x34 mm, color: grey.	**RFUS-61** 4526
	SWITCH UNIT FOR SHUTTERS (CONTACTLESS) Used to control shutters, blinds, awnings, garage doors, gates, skylights - all devices that can be controlled in two directions. It can be controlled by up to 32 push-buttons of any controller. Intended to be mounted into an install. box or to the motor housing. Power supply AC 230V, switching capacity for the contact is 8A.	**RFJA-12B** 4682

DIMMERS

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	DIMMING SOCKET (MULTI-FUNCTION) For dimming of lamps and lighting construction, when the switching socket is installed between the existing socket and the lamp. It allows you to dim incandescent bulbs, halogen lamps, dimmable energy saving bulbs and modern LED lighting sources up to 300 W.	**RFDSC-71** 4594
	UNIVERSAL DIMMER (INBUILT) Wireless multifunction (7 functions) dimmer used to dim incandescent bulbs, halogen lamps, ... The type of lighting source is selected using the rotary switch. Intended to be mounted into an installation box. Power supply AC 230V.	**RFDEL-71B** 4512
	DIMMER FOR COLOURED (RGB) LED STRIPS Dimmer intended to be mouned in a switchboard to control coloured RGB. Strips with max. power 70 W / channel that corresponds to approximately 10 m of RGB strip. Power supply DC 12-24-V, option of color blending mode, control through keychain, RF Pilot or App.	**RFDA-73M/ RGB** 4681
	UNIVERSAL DIMMER Wireless multifunction (7 functions) dimmer used to dim incandescent bulbs, halogen lamps, dimmable energy saving bulbs and modern LED lighting sources up to 600W of power. Power supply AC 230V.	**RFDEL-71M** 4897

LIGHTING

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	COLOURED RGB LED STRIP, 5 METERS Coloured RGB strip, 7.2W/m (30 LED chips / m), length 5 m, width 11mm, outdoor-proof design, also designed for installation on aluminium rails, adhesive tape, it can be shortened by 10 cm, luminous flux of 660 lm/m, control by RFDA-73M dimmer, power supply 12V.	**7,2W, RGB, 30LED/M** 6630
	POWER SUPPLY FOR 5 M RGB STRIP Power supply 230V/12V/60W to power 5m of RGB strip. Intended for outdoor use (IP67), dimension 162,5 x 42,5 x 32 mm.	**DC 12V/5A 60W** 6589
	WIRELESS COLOURED BULB This RGB LED bulb consists of 3 color chips which can mix up any color at different temperatures. Bulb has a built-in receiver and dimmer, so it can be easily replaced for the original bulb. Other functions: colorful scenes, brightness setting etc.	**RF-RGB-LED-550** 4931
	WIRELESS WHITE BULB This bulb comes in both warm and cool white, it has built--In wireless receiver and dimmer, it can easily be placed in any existing base and control by any controller.	**RF-WHITE-LED-675** 4936

TEMPERATURE CONTROL

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	WIRELESS TEMPERATURE CONTROLLER Digital thermostat in the design of the LOGUS[90] switch (plastic, glass, metal, wood). It measures the room temperature and according to the set heating program (weekly mode) it sends commands to the switching unit (heating device). Battery-powered (2xAA). It is possible to control up to 4 heating circuits.	**RFTC-50/G** RFTC50/G/BR/BR
	SWITCH UNIT WITH A TEMPERATURE SENSOR Temperature unit in the design of LOGUS[90] switch. It measures the temperature and switch a heating circuit at the same time. Relay contact 8A/2000W, power supply 230V, the possibility to connect an exter. temperature sensor. It is possible to connect up to 30 units.	**RFSTI-11/G** RFSTI-11/G/BR/BR
	WIRELESS THERMOVALVE Wireless thermovalve measures the room temperature and sends it to the Smart RF box, that compares the temperature records with the set temperature and according to set program it sends a command to open or close the radiator valve.	**RFATV-1** 6307

TEMPERATURE CONTROL

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	WIRELESS TEMPERATURE SENSOR Internal or external sensor measures the temperature starting from -20 up to 50°C. Intended to be mounted into an installation box, but it can be also placed anywhere. Recommended external sensor - TC/TZ 3-6-12 m. Battery-powered 3V/CR2477.	**RFTI-10B** 3175
	THERMODRIVER Electric thermodrive to be mounted on the radiator valve (including adapter VA80 for valves Heimeier, Oventrop, Schlösser, Herb or Onda (M30 x 1,5)). Power supply: 230 V (closed without power).	**TELVA/230V** 6602

SYSTEM UNITS

PICTURE	DEVICE DESCRIPTION	TYPE/CODE
	WIRELESS TOUCH UNIT - SURFACE MOUNT Used to control up to 40 wireless units. Besides switching, controlling and dimming, it includes thermostats with weekly programming and it also enables to connect detectors. In the size of the switch, with frames in the LOGUS⁹⁰ design intended for surface-mounted installation. Power supply 230V. White color.	**RF TOUCH - W** RFTW-AWH--BWH-CWH
	SMART RF BOX, SMART WI BOX The mediator between your controller and wireless units controlling lights, heating, shutters, sockets and other appliances. eLAN-RF-003: It is connected to LAN network of your router and it is placed to ensure the visibility to other controlled units. eLAN-WI-003: App for controlling is free to download from GooglePlay or iTunes Store.	**eLAN-RF-003 (Wi-003)** 5173 (4872)
	IP CAMERA FOR OUTDOOR USE Indoor color camera D-Link DCS-933L/E can be easily connected to LAN through cable or to wireless WiFi network. It is possible to monitor up to 10 cameras in the App. Resolution 640x480, dimension: 80x115x80mm, power supply: included in the package 5V/1A.	**iNELS CAM** 6703
	MULTIFUNCTIONAL GSM COMMUNICATOR GSM gate intended to be mounted in a switchboard enables a remote control of wireless units via SMS text message. It can also send SMS text message containing information about the status of wireless units. It contains 4 binary inputs for signals and 2 relay outputs 8A/2x2000W to switch directly the unit.	**RFGSM-220M** 4604
	REPEATER TO EXTEND THE RANGE Repeater in the socket design, that is used to increase the range of signal or in case of low signal between controller and unit. It is possible to repeat the signal of up to 20 units.	**RFRP-20** 4510

THE OVERVIEW OF OTHER KITS

THE GAME OF LIGHTS

1× SMART RF BOX

3× COLORED WIRELESS BULB

KIT TO CONTROL LIGHTS VIA SMARTPHONE

It has never been easier to set the appropriate ambience for reading a book, watching a movie or a party with friends. All you need is wireless bulbs and Smart RF box. Then you can control every device from the comfort of your smartphone, tablet or smart TV. You can control not just colored or white light bulbs, but other appliances too.

EASY HEAT REGULATION

1× TEMPERATURE CONTROLLER

1× SWITCHING SOCKET

KIT FOR WIRELESS TEMPERATURE REGULATION AT HOME

This kit enables convenient and quick control of heater, oil heater, panel heater or portable air conditioner. Just plug the controlled device into switching socket and appropriately place your controller RFTC-50G. The desired temperature is set on the controller, that compares it with the current record and it sends a command to turn the device ON.

THE OVERVIEW OF OTHER KITS

HEATING WITH SAVINGS

1× WIRELESS CONTROL UNIT RF TOUCH

3× WIRELESS THERMOVALVES

KIT TO CONTROL HEATING VIA WIRELESS RF TOUCH UNIT

Includes 3 wireless thermovalves that are installed instead the standard radiator valves. Measure the room temperature and send it to the RF Touch control unit. RF Touch compares it with the temperature set along with time schedule and sends a command to open or close the valve. You can set heating programs in the weekly schedule, separately for each circuit (room).

RADIO & MUSIC IN THE SWITCH

1× LARA RADIO

2× SPEAKERS

KIT FOR CONROLLING MUSIC, WHICH PERFECTLY FITS IN YOUR HOME´S INTERIOR

LARA is a music and internet radio player. We have registered 40 favorite Czech radios stations as presets stations, but you can easily change it using configurator. LARA plays the music stored in the NASA storage or in the external source (phone, MP3 player) connected through cable on the front panel of device. Inbuilt amplifier allows direct connection of speakers (in the same LOGUS 90 design) or allows connection of external in-wall or ceiling speakers.

THE OVERVIEW OF OTHER KITS

ONE CONTROLLER FOR ALL　　　　　　　　ORDER CODE: 5457

1× SMART IR BOX

3× IR TRANSMITTER
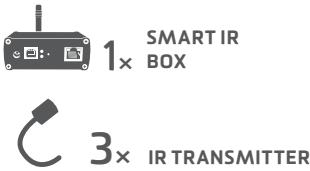
KIT FOR CONTROLLING IR DEVICES VIA A SMARTPHONE

Thanks to Smart IR box, you can control home appliances via a Smartphone. Thus you no longer need a bunch of controllers, you do not have to look for them, and you do not need to replace the battery. You always stick your phone in your pocket, always at hand. Moreover, you can control devices which are placed in another room (e.g. you can turn off TV in the children room).

YOUR HOUSE UNDER „THE THUMB"　　　　　ORDER CODE: 5459

1× SMART RF BOX

1× WIRELESS SWITCHING SOCKET

2× COLORED WIRELESS BULB

1× CAMERA
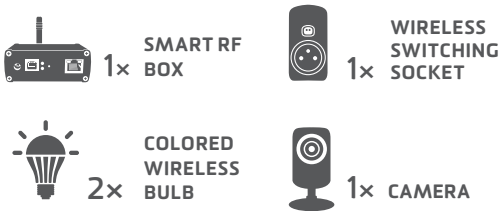
CONTROL YOUR HOUSE VIA A SMARTPHONE

The kit "House under the thumb" which you hold in your hands is the basic starter kit for all of you, who would like to make your home more comfortable. The starter kit consists of 2 x colored wireless bulbs, 1 x switching socket and 1 x camera, what allows you to try the basic units of iNELS RF Control – wireless solution. Everything is preset to ensure fast and easy installation.

VIRTUAL KITS

The virtual kit is a set of wireless units that are packed individually (as an individual product), but on the other hand they are preset together (they are meant to work together) to ensure simple installation. They are offered at a discounted price and it is not possible to separate any unit from this price.

UNDERFLOOR HEATING - BY WATER

Any wireless temperature regulator measures the room temperature, it compares with set temperature and time program, then sends a command to switch the units ON. Based on the command from temperature regulator, 6-channel switching unit is able to control up to 6 thermovalves corresponding to heating circuits.

KIT CONSISTS OF:

Wireless temperature controller RFTC-50/G, wireless switch unit (6 outputs) RFSA-66M, thermodriver TELVA/230V.

UNDERFLOOR HEATING - BY ELECTRICITY

Temperature and switching unit (two in one) measures the floor temperature via external sensor (inbuild). Then it sends data to wireless touch unit RF Touch, which compares it with the temperature set along with the time schedule and then sends a command back to switch on/switch off the heating circuits. It is possible to connect up to 4 temperature/switching units.

Advice 1) If just one reference temperature is enough for you, so then it can be measured by temperature sensor RFTI-10B and to switch up to 6 independent heating circuits you can use 6-channels switching actuator RFSA-66M.

Advice 2) The wireless unit RF Touch can be replaced by Smart RF box and all can be controlled via your smartphone. Both solution can be used together.

KIT CONSISTS OF:

Switching actuator with thermosensor RFSTI-11/G, Wireless touch unit RF Touch.

AGAINST THE FLOOD

A wireless sensor monitors the water leaks or flooding in the critical places (basement, pits, shafts, bathroom, laundry,...) and sends immediately a command to the switching unit to close the solenoid valve of the main water supply. You can be also informed of that accident through GSM gateway by sending SMS text messages.

KIT CONSISTS OF:

Switch unit RFUS-61, wireless flood detector RFSF-1B, flood probe FP-1.

We recommend: solenoid valve: *MPW SS 304 - 1/2 (3/4) 230V AC.*

COLORED RGB LED STRIP

The app in your smartphone can send (through smart RF box) the commands to the dimming unit to which the RGB strip is connected. From your app it is possible to switch ON/OFF, to set the color or run the scene of automatic color blending.

Advice 1) The colored RGB strip can be controlled through RF Pilot, by controllers RFWB-20/40, RF key,...
Advice 2) If you do not want the colored RGB strip, we can replace it by monochromatic (warm white, cool white, red, ...). Then you can connect 8 m of monochromatic strip (power 7,2W/m) to RFDA-73M to each output.

KIT CONSISTS OF:

Smart RF box, dimmer RFDA-73M, 2 x 5m coloured RGB strip 7.2W/m, power supply 230V/12V/100W.

iNELS®

smart home solutions