

RF iNELS/USB

EN



4623-02-020/2012 Rev.: 0

Characteristics

RF-iNELS/USB device forms communication interface and gate between the units, RF Control system elements, and multimedia device iMM Client. The units ,RF Control system elements, can be controlled from iNELS multimedia system, installed in iMM Client.

It is used for:

- central control of all units from one place
- total review (visualization) of the actual state of the units (appliances, devices) directly on the TV screen

Bidirectional communication:

- sends instructions to the temperature, switching, darkening, and louver actors
- receives instructions from temperature transmitters, controllers, and actuators



Prior to the device installation and commissioning read the assembly and user manual thoroughly. User manual is designed for the device assembly and for user setting. The manual must be stored with electrical installation documentation. Assembly manual is available on web pages www.inels.com. Attention, hazard from electrical current related injury! The assembly and connection can be performed only by employees with the respective specialist electrical qualification upon observing the applicable regulations. Do not touch the life machine parts. Life threatening hazard. During assembly, maintenance, adjustments, and repair works it is necessary to observe the safety regulations, standards, and specialist provisions for work with electrical devices. Prior to commencing work on the device, it is necessary that all conductors, connected parts, and terminals are disconnected from voltage supply. This manual contains only general instructions which must be applied within the specified installation. The inspection and maintenance work must include the inspection of (with disconnected power supply): - terminal fastening, - air flow.

Technical parameters

Technical parameters	RF-INELS/USB
Input:	max. 1W
Interface:	USB 1.1 and higher,
Reach:	plug. „A“ 100 m
Frequency:	868 MHz
Operating conditions:	
Operating temperature:	0 to +55°C
Storage temperature:	-20 to +70°C
Protection:	IP90
Contamination level:	-2
Operating surface:	Optional
Installation:	Optional
Dimensions:	22x85x15mm
Weight :	81 g
related standards:	ČS EN 60950-1

Requirements	SW
Operation system:	UBUNTU 32/64 bit
Graphic definition:	Independent
Aspect ratio:	Independent
Visible area:	Independent
Control:	system IMM G4R0 with controller
Language:	EN

Supported actuators:



Supported actuators

TEMPERATURE ACTUATORS



RFSTI-11B
wireless switching actuator with temperature sensor in design to installation box, 230V AC



RFSTI-11/G
wireless switching actuator with temperature sensor with manual control buttons directly on the unit, 230V AC



RFTI-10B
wireless temperature sensor
1 x CR 2477 3V battery



RFCT-10/G
digital temperature controller
2 x 1.5V AAA batteries

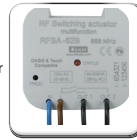
SWITCHING ACTUATORS



RFSA-11B
single channel single function switching actuator
1 x switching contact 16 A
230V AC



RFSA-61B
single channel multifunction switching actuator
1 x switching contact 16A
230V AC



RFSA-62B
2 channel multifunction switching actuator
2 x 8A switching contact
6 functions
230V AC



RFSA-61M
single channel Multifunction switching actuator
1x changeover contact 16 A
6 functions
230V AC

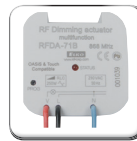


RFSA-66M
six-channel Multifunction switching actuator
3 x 8 AND NO
3 x changeover contact 8A
6 functions 230V AC

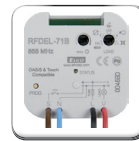
DIMMING ACTUATORS



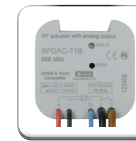
RFDA-11B
single function dimming actuator
1 light scene, function OFF, 230V AC



RFDA-71B
multifunctional dimming actuator 7 functions,
AC 230V / 250V



RFDEL-71B
multifunctional dimming actuator 7 functions,
AC 230V / 250V



RFDAC-71B
actuator with analog output 0 (1) - 10 V
1 x switch contact 16 A
7 functions, 230V AC

SOCKET ACTUATORS



RFSC-11
single function switching actuator, is a quick solution for remote control of plugged-in appliances, where the dimmer is connected between the outlet and the controlled appliance

RFSC-61
multifunction switching actuator, is a quick solution for remote control of plugged-in appliances, where the dimmer is connected between the outlet and the controlled appliance



RFDSC-11
single function dimming actuator, is a quick solution for remote control of plugged-in appliances, where the dimmer is connected between the outlet and the controlled appliance

RFDSC-71
multifunctional dimming actuator 7 functions, is a quick solution for remote control of plugged-in appliances, where the dimmer is connected between the outlet and the controlled appliance

BLIND ACTUATORS



RFJA-12B/230V
blind actuator
2 x 8A switching relay protection
230V AC



RFJA-12B/24V DC
blind actuator
contactless switching
12-24V DC

RF iNELS/USB connection




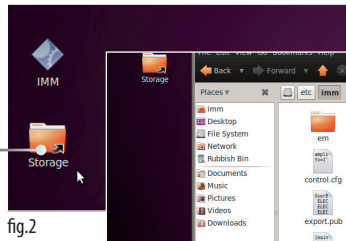
General instructions

CONFIGURATION: CONFIGURATION OF RF-INELS/USB IS PERFORMED IN SYSTEM INELS MULTIMEDIA.

- 1)
- communication element RF-INELS/USB (fig.1)
Insert bridge to USB of IMM Client, which must be off

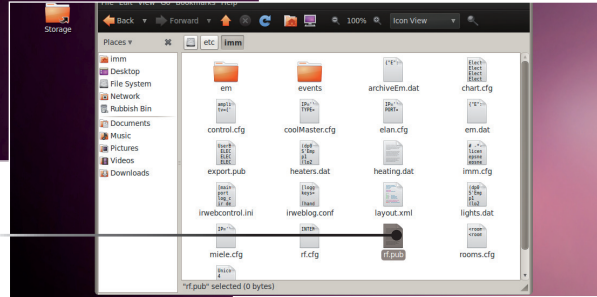


- 2)
- switch on IMM Client and switch off IMM environment by means of button  in the bottom right area holding it for over 5s (in order to reach Linux area).
- open file "Storage" on screen (fig.2)



- 3)
- on the left in the location offer: File System, then file: etc, and file: IMM fig.2
- right click on the file area and select Create new document
- name the document rf.pub
- if rf.pub already exists, erase its content

- open the text file and write according to the template: titles, names and addresses of the units (fig.4)



Configuration system line description:

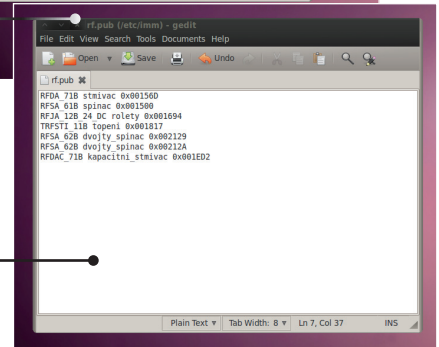
RF unit title:	Title of the unit	Address of the unit
RFSA_61B	"gap" spinac "gap"	0x001500

- the configuration system line is divided to 3 parts separated with gaps
- gaps in name of actor (RFSA 61B = RFSA_61B), or naming of unit (capacity dimmer = capacity_dimmer) created using the underscore character "_". You may chose any name for the unit and the name MUST NOT CONTAIN diacritical marks.

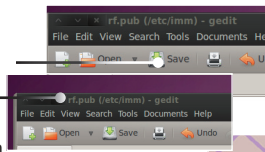
Example:


RFDA_71B stmvac 0x00156D
RFSA_61B spinac 0x001500
RFJA_12B_24_DC rolety 0x001694
TRFSTL_11B topeni 0x001817
RFSA_62B dvojtly_spinac 0x002129
RFSA_62B dvojtly_spinac 0x00212A
RFDAC_71B kapacitni_stmvac 0x001ED2


RFSA_61B spinac 0x001500
↑ ↑ ↑
underscore gap gap



- after configuring the rf.pub file, save and close "x" in the upper left part of the window



After pressing F9, click in the upper right corner on the shut-down icon , chose restart and confirm.

- 4)
- upon restarting the client and starting IMM, we can add elements to the floorplan written in rf.pub!
- by clicking anywhere within the IMM environment, a toolbar appears, click on the icon  to open the floorplan. Now anywhere on the floorplan use "right click" to open the dialog
- upon opening the dialog for selecting the elements we must tick the window for switching the selection of iNELS and RF elements placed just under the selection of the assigned elements (fig.5)

- various icons are available for selecting the setting.
- first we choose the icon and then the element we want to control, write into the Description \$0 = the variable what we want to display C° or %
- for most icons the variable displays automatically

- 5) When you have finished restart the IMM client again

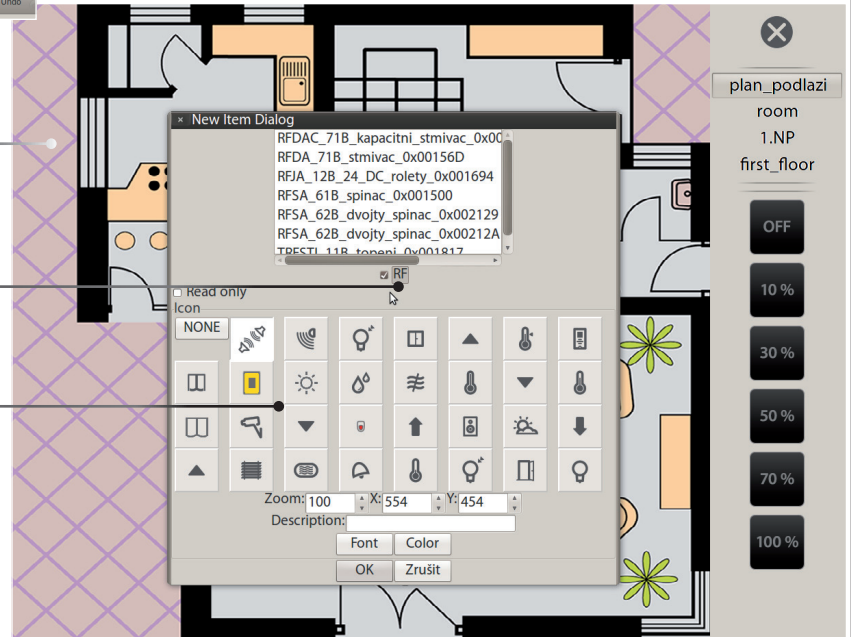


fig.5



ELKO EP, s.r.o.
Palackého 493
769 01 Holešov, Všetuly
Czech republic

Technical support: +420 775 371 532
E-mail: info@inels.com
Tel.: +420 573 514 211, +420 573 514 220
Fax: +420 573 514 227
http://www.inels.com
http://www.elkoep.com