eLAN-RF-003, eLAN-RF-Wi-003 | Smart RF box



eLAN-RF-003

eLAN-RF-Wi-003

Communication protocol: Broadcasting frequency Signal transfer method: Output for antenna: Antenna RF: Indications RF communications: Range in free space: Unterface Ethernet ETH operating status indicator: Communications interface: Interface Wi-Fi Standard: Wi-Fi Security: Frequency range Wi-Fi: Antenna Wi-Fi: Indications Wi-Fi communication: Range: X Interface Wi-Fi Supply voltage/current: Range: Ra	Technical parameters	eLAN-RF-003	eLAN-RF-Wi-003	
Broadcasting frequency Broadcasting frequency Signal transfer method: Output for antenna: Antenna RF: I dB (part of supply) Indications RF communications: Range in free space: up to 100 m Interface Ethernet ETH operating status indicator: green LED ETH communication indicator: Up to 100 mbps (RJ45) Preset IP address: Interface Wi-Fi Standard: Wi-Fi Security: Frequency range Wi-Fi: Antenna Wi-Fi: Indications Wi-Fi communication: Range: Supply voltage/current: Power: adapter with connector Jack Ø 2.1 mm (part of supply or connector USB-B Supply voltage indication: Button RESET: Power source: Operating conditions Operating temperature: Protection: Powers Contamination degree: Working position: Powers Powering in free space: I dB (part of supply of device or supply of device or supply of contamination degree: 2 Working position: Button Reser: Power source: Operating temperature: Protection: Protection: Powers And the max set of supply of device or sup	Interface RF Control			
Signal transfer method: two-way addressed message Output for antenna: SMA connector* Antenna RF: 1 dB (part of supply) Indications RF communications: 1 x red RF status LED 1 x green RF status LED Range in free space: up to 100 m Interface Ethernet ETH operating status indicator: green LED ETH communication indicator: yellow LED Communications interface: 100 Mbps (RJ45) Preset IP address: 192.168.1.1 Interface Wi-Fi Standard: x IEEE 802.11 b/g/n / 2.4 GH Wi-Fi Security: x WEP, WPA-PSK, WPA2-PSK Frequency range Wi-Fi: x R-SMA Antenna Wi-Fi: x I dB (part of suply) Indications Wi-Fi communication: x 1 x red Wi-Fi status LED Range: x 10-27 V DC / 200 mA SELV 10-27 V DC / 300 mA SELV Power: adapter with connector Jack Ø 2.1 mm (part of supply or connector USB-B Supply voltage indication: green LED POWER Button RESET: settings to their defaults Power source: 230 VAC / 12 V DC part of supply of device Operating conditions Operating temperature: -20 to +50 °C Storage temperature: -25 to +70 °C Protection: IP20 Contamination degree: 2 Working position: any Dimensions: 90 x 52 x 65 mm	Communication protocol:	RF Touch Compatible		
Output for antenna: Antenna RF: I dB (part of supply) Indications RF communications: Range in free space: Up to 100 m Interface Ethernet ETH operating status indicator: Green LED ETH communication indicator: Up to 100 Mbps (RJ45) Preset IP address: Interface Wi-Fi Standard: Wi-Fi Security: Frequency range Wi-Fi: Antenna Wi-Fi: Range: Supply voltage/current: Power: Adapter with connector Jack Button RESET: Supply voltage indication: Button RESET: Power source: Operating conditions Operating temperature: Contamination degree: Working position: Dimensions: SMA connector* 1 dB (part of supply) 1 x green RF status LED 1 x green RF status LED 1 x green RF status LED 1 x green LED 1 x green LED 1 x green LED 1 x green LED 1 x red Wi-Fi status LED 2 x settings to their defaults 2 x y settings to their de	Broadcasting frequency	866 MHz, 868 MHz, 916 MHz		
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Range in free space: Up to 100 m	Antenna RF:	1 dB (part of supply)		
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Dimensions: 90 x 52 x 65 mm	Contamination degree:	2		
	Working position:	any		
Weight: 136 g 145 q	Dimensions:	90 x 52 x 65 mm		
	Weight:	136 g	145 g	

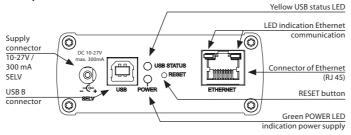
^{*} Max Tightening Torque for antenna connector is 0.56 Nm.

- The smart RF box enables you to control your electrical installation by smartphone, tablet or SMART TV.
- It transmits and receives commands of up to 40 units, and it processes set programs for automatic control, (you can gradually expand installation from 1 unit iNELS RF Control).
- Thanks to bi-directional communication, it visualizes the current status
- The smart RF box eLAN-RF-003 is connected by network cable LAN to the home network (router) and communicates with your smart phone.
- The RF eLAN-RF-Wi-003 RF smart box creates its own Wi-Fi network. Once a smartphone is connected to this network, you can communicate with other devices.
- The intuitive application environment offers central control from
- Function of application iHC-MAIRF / iHC-MIIRF:
- control of hot water or electric underfloor heating
- measuring temperature by wireless sensors
- switching appliances (garage door, blinds, fan, sprinklers, sockets, etc.)
- dimming lights (LED, energy-saving, halogen or classic lamps)
- time switching (delayed switching off of light when leaving room)
- video camera integration
- light scenes (make multiple commands at once with a single press).
- If you don't have a fixed IP address, the Smart RF box will obtain it from DHCP server automatically.
- Power is supplied to the Smart RF box via adapter 10-27 V DC (included in the supply) or PoE by power source (router) 24 V DC.
- To amplify the signal, two eLAN-RF units can be connected via a LAN cable. These units cannot be operated independently.
- Option of setting via web interface or directly in the application iHC-MAIRF (Android) / iHC-MIIRF (iPhone).
- The package includes an internal antenna AN-I, in case the Smart RF box is located in a metal switchboard, you can use the external antenna AN-E for better signal reception.
- Range up to 100 m (in open space), if the signal is insufficient between the Smart RF box and unit, use the signal repeater RFRP-20 or protocol component RFIO² that support this feature.
- · Communication frequency with bidirectional protocol iNELS RF Control.

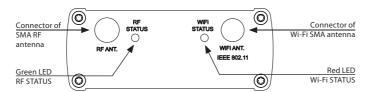
Device description

eLAN-RF-Wi-003

Front panel



Back panel



Control apps

Smartphones









- Control application for smart phones with Android operating system iHC-MAIRF and pfor smart phones iPhone - iHC-MIIRF
- The application iHC-MAIRF / iHC-MIIRF allows you to control your home easily by smartphone.
- The user-friendly and intuitive application environment offers central control from one place.
- iHC-MAIRF / iHC-MIIRF enables control of RF units by smart phone via a smart RF box, which is connected to the home Internet network.
- The smart RF box controls up to 40 units of iNELS RF Control, (you can gradually expand control from 1 unit of iNELS RF Control).
- If you don't have a permanently set IP address, the application supports its automatic obtaining from the DHCP server.
- Functions of the application iHC-MAIRF / iHC-MIIRF:
- regulation of hot water or electric underfloor heating (setting a weekly program)
- measuring temperature (e.g. by wireless sensors)
- switching appliances (garage door, blinds, fans, sprinklers, sockets, etc.)
- dimming lights (LED, energy-saving, halogen lamps or classic light
- time switching (delayed switching off of light when leaving room)
- integration of video cameras
- light scenes (one press to perform multiple commands simultaneously)
- remote control (switch on heating before returning from vacation).
- The application iHC-MAIRF supports Android versions from 2.3 in your smartphone.

Smart TV



- RF Smart box (eLAN-RF ...) allows remote devices to control a SMART TV.
- Operation with conventional control of TV.
- Compatible with every Smart TV, which has an integrated web browser.
- In the Web browser you enter the IP address of the smart RF box.
- Feedback on the switching component is indicated by green colour in the icon
- · Functionality:
- Switching ON / OFF, automatic timing,
- Dimming ON / OFF, smooth start / stop, change colour,
- Form of heating temperature indication (to make changes directly in the smart phone application)
- Camera (possibility to stream live images if it is supported by a Web browser on the SMART TV).
- Form control is free and is not licensed.

Smart watch Samsung GEAR S2 / S3



TIZEN. iHC-WTRF

- Applications to control appliances via smart watches Samsung Gear S2 / S3.
- Smart watches are associated with the controlled appliances through RF smart box eLAN-RF.
- · Functionality:
- Switching appliances, sockets,
- Automatic timing
- Dimming the lights, adjust the colour,
- Control garage doors, gates, gates and shutters,
- Features scenes for group commands.
- Intuitive and easy to control in many combinations, touching the display and moving wheels on Samsung Gear S2 / S3.
- The setting is done by applying iNELS Home Control iHC-MAIRF directly or via a web interface RF smart box eLAN-RF.
- It is not necessary to carry a smart phone to control, the watch functions independently.