eLAN-RF-103 | Smart RF gateway

EAN code:
eLAN-RF-103: 8595188180443

- The Smart RF Box is a gateway between iNELS RF elements and applications for smartphones, tablets, watches, televisions, voice assistants (Google Home & Alexa) and other third-party devices.
- It is produced in two versions:
  a) eLAN-RF-103: LAN communication
  b) eLAN-RF-Wi-103: LAN communication with WiFi in AP (Access Point) mode with direct connection of the smartphone to eLAN-RF-Wi-103 or in Client mode (connection to the home WiFi network by connecting the smartphone via home wireless router).
- It communicates from up to 70 iNELS RF elements, processes set programs for automatic control.
- Thanks to two-way communication, it displays the current status of individual elements.
- Powered by 5 V DC/2 A adapter, USB-C connector (included).
- Configuration is done via the iHC application.
- 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, see accessories on page 65. For the eLAN-RF-Wi-103 version, a WiFi antenna is included in the package.

Technical parameters	eLAN-RF-103
Interface RF Control	
Communication protocol:	RFIO2
Broadcasting frequency:	866–922 MHz (for more information see p.72)
Signal transfer method:	two-way addressed message
Output for antenna:	SMA connector*
Antenna RF:	AN-I 1 dB
Indications RF communications:	1x green RF LED
Range:	in open 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:	DHCP
Power supply	
Supply voltage/current:	5 V DC/0.5 A
Power source:	110–230 V AC/5 V DC–2 A (connector USB-C)
Button RESET	
- short press:	restart the device
- press> 5 s	reset network settings
- press> 10 s:	reset to factory settings
Indication LED STATUS	
- green:	normal mode
- red:	error condition
- orange:	initialization/start
Other data	
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
Weight:	136 g

* Max Tightening Torque for antenna connector is 0.56 Nm.

Device description

Front panel

USB-C connector

LED indication Ethernet communication

Connector of Ethernet (RJ 45)

LED indication

Button RESET

Back panel

RF ANT.

Connector of SMA RF antenna

Antenna WiFi

Antenna RF

RF Pilot

RFJA-32B-SL

Window shutter control

RFTC-10/G

Heating

Transmitter communication with actuators

RFSAI-62B-SL

RFSAI-61B-SL

RFSAI-61B-SL

DETECTORS

up to 100 m

Serves to extend the RF signal range

RFDEL-71B-SL

RFRP-20

up to 200 m

The detector senses movement and switches on alarm

Command to execute function

Function execution feedback