

# Protection system for electric circuit NOISE GENERATOR SEL SP – 44



**USER MANUAL**

The generator is a technical means of active informational protection of the top-secret category objects that provides protection of intercom systems and data transmitting systems that use single-phase 220V with ground net as an information transmitting channel from any type of interception devices by means of producing wide-range digital noise.

Distinctive features: does not interfere with radio reception and does not influence PC performance and consumer electronics functioning; is not sensitive to peaks of net voltage up to 1kV.

**Technical specifications**

Noise frequency range..... 0,01 – 300 MHz

Spectral density of the generated noise for electric 220V/50 Hz AC, not less than:

- 0,01 – 0,05 MHz ..... 50 dB
- 0,05 – 0,15 MHz ..... 55 dB
- 0,15 – 10 MHz ..... 45 dB
- 10 – 80 MHz ..... 25 dB
- 80 – 300 MHz ..... 15 dB

Noise signal level adjustment ..... not less than 10 dB

Power supply..... single-phase electrical net 220 V ± 10% / 50–60 Hz

Operating condition:

- Ambient temperature ..... 25±10°C
- Relative air humidity at + 25 °C ..... up to 80%
- Atmospheric pressure ..... 740 ± 40 mm Hg

Overall dimensions and weight:

- Dimensions, not more than ..... 180x180x45 mm
- Weight, not more than..... 1,5 kg

## Operation instructions

Controls appearance:

- buttons:



- LCD display:



Plug in power cable to single-phase 220V with ground net.

Turn ON generator with «**220 VAC**» switch on back side to «**I**» position.

To start generator to work push and hold “**C**” button till a special noise.

Generator starts work with default factory settings - you'll see noise levels in bands on its LCD display and green LEDs «**OUTPUT LF**», «**OUTPUT HF**» on front panel.

Red LED «**OUTPUT LF**» or «**OUTPUT HF**» on front panel alarm you, that generator doesn't work properly.

To stop generator push and hold “**C**” button.

## Changing settings

Enter to setup menu – press «**MENU/OK**» button, on LCD you will see the first menu message:

**SETUP**

> **CONTROL**

Next, push «**▼**», «**▲**» buttons and choose setup line:

**SETUP**

> **OUTPUT LF** - LF noise level (10 kHz – 5 MHz);

**SETUP**

> **OUTPUT HF** - HF noise level (5 MHz – 300 MHz);

**SETUP**

> **CONTROL** – set up of wires RC switcher.

Use «**MENU/OK**» or «**C**» buttons to accept or deny your choice.

Press «**C**» button to exit from setup menu.