

Microprocessor-controlled random generator DZG-T in an elegant desktop housing

The device described in this manual is built using state-of-the-art technology. Use it only for its intended purpose, ensure it is in perfect working order, and follow the technical specifications.

The manufacturer is not liable for damage caused by improper use.

To ensure proper operation, please read these instructions carefully:

General Information:

This compact and affordable random generator can be used anywhere a random selection of individuals is required. A 230 volt outlet is all that is needed, as the system comes with a power supply. This allows for discreet bag checks, vehicle inspections, and identity checks. The random generator is started manually at the push of a button, causing a green or red light to illuminate.

Launch:

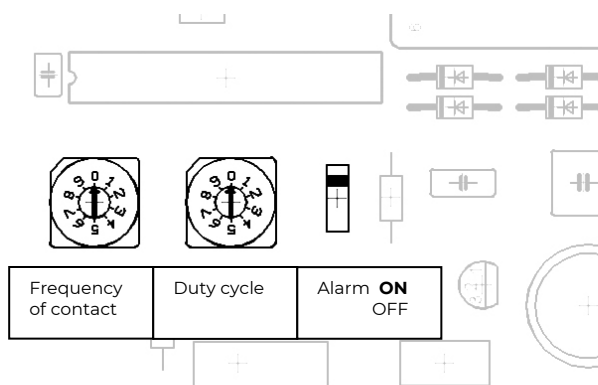
- Plug the power supply into the designated outlet.
- The red or green LED will flash briefly and then turn off.
- After about 30 seconds, the red or green LED will flash briefly again, indicating that the device is ready for use.
- The device is now ready for use.

Trigger the random generator:

Press the trigger button. The randomly generated signal will light up immediately. After the preset time has elapsed, the signal will go out again. When the signal is GREEN, the green LED lights up. When the signal is RED, the red LED lights up and an alarm tone sounds.

Set the random generator:

Once the housing has been unscrewed, the rotary switches for adjusting the response frequency and switching duration will be visible. Please use a screwdriver to set the desired values. You can find the corresponding values in the table. To the right of the rotary switches is the alarm switch. This can be set to ON or OFF. By default, the alarm is set to ON.



Frequency	Duty cycle
0 0% always green	0 off
1 ~ 1% / 1 of 100	1 ~ 1 sec.
2 ~ 2% / 2 of 100	2 ~ 2 sec.
3 ~ 3% / 3 of 100	3 ~ 4 sec.
4 ~ 4% / 4 of 100	4 ~ 6 sec.
5 ~ 5% / 5 of 100	5 ~ 8 sec.
6 ~ 6% / 6 of 100	6 ~ 10 sec.
7 ~ 7% / 7 of 100	7 ~ 12 sec.
8 ~ 8% / 8 of 100	8 ~ 16 sec.
9 ~ 9% / 9 of 100	9 ~ 20 sec.
A ~ 10% / 10 of 100	A ~ 25 sec.
B ~ 15% / 15 of 100	B ~ 30 sec.
C ~ 20% / 20 of 100	C ~ 35 sec.
D ~ 40% / 40 of 100	D ~ 40 sec.
E ~ 60% / 60 of 100	E ~ 50 sec.
F ~ 80% / 80 of 100	F ~ 60 sec.

Default settings are in bold

Technical Specifications:

Supply voltage:	230 V AC +/- 5% Mains voltage fluctuation
Operating voltage:	12 V DC
Power dissipation:	max. 2 VA
Protection rating:	IP 40
Connection:	12 V AC adapter
Housing:	plastic, black/silver
Operating temperature:	5°C bis 45°C
Location:	for indoor use only

Features:

- elegant plastic desktop enclosure auch als Wandgehäuse verwendbar
- built-in audible signal
- easy adjustment of the response frequency
- Microprocessor-controlled
- low power consumption
- easy to use

Wall mounting:

Please install the housing in such a way that no mechanical stress is created. Be aware of potential temperature effects.

Installation, programming, and maintenance and repair work may only be performed by authorized qualified electricians.

Soldering and wiring work within the entire system must only be performed when the power is off.

To avoid hazards, no modifications, additions, or alterations may be made to the product. Only original parts approved by the manufacturer may be used.

The device must not be used in areas where there is a risk of explosion. Likewise, it must not be used in areas where vapors are present that can corrode metal or plastic.

This product contains high-quality components manufactured using MOS technology. These components can be damaged by static electricity, such as that generated when putting on or taking off clothing. Discharge any static electricity by touching a grounded metal object before touching the device.