



# TTAF®

ELEKTRONİK SAN. VE TİC. A.Ş.

UV-C RAGNAR  
RGN-03  
USER MANUAL



Thank you for purchasing our products.  
Please read the instructions carefully before first use,  
so that you can fully understand and install this product.  
Please keep it after reading the manual.

## Basic Characteristics

- UV-C Ragnar Germicidal Fixture, sterilizes its environment with strong UV-C radiation.
- 360 ° Coverage Area: UV-C Ragnar Disinfection Fixture provides sterilization with 3 tubes surrounding it.
- Thanks to its easy to move wheels; it is a practical, portable, robust and user-friendly sterilization device.
- UVC Ragnar Germicidal Fixture, detects motion up to 5m distance by its motion sensor. Sterilization stops automatically when it detects motion.

## Technical Specifications

Product Code	: RGN-03
Operation Voltage	: 220~240VAC 50/60Hz
Power Consumption	: 95W
Light Source	: UV-C Tube
UV Wavelength	: 254nm
Irradiance	: 1,16W/m <sup>2</sup> @1m
Human Body Sensing	: ~5m
Dimensions	: Ø400x1450mm
Weight	: 10kg
Other Features	: Delayed operation to leave the room

## Operating Instructions

1. Plug the device into the socket.
2. Press the "ON" button of the remote control.
3. The device will give the first 20 seconds to the user to leave the room. Meanwhile, the yellow warning light will flash and an audible warning will sound.
4. When the device starts the sterilization process, the red warning light will turn on.
5. When the sterilization process is completed, the green warning light will turn on.
6. When motion is detected during the sterilization process, the UVC radiation will be cut off and an audible warning will sound while the yellow light is on.  
If the detected movement is shorter than 5 seconds and is not continuous, sterilization continues.
7. When motion is detected for the 3rd time after this warning, the system is completely will be cut off.
8. Continuous flashing red light indicates that the operation was motion detected in the sterilization period, the process was interrupted and sterilization was not completed. In this case, the sterilization process must be repeated.
9. The yellow warning light and the red light flashing 3 times after the audible warning indicate that the operation was interrupted due to motion detection during the final stages of the sterilization period, but the environment was sterilized by at least 90%. In this case, the user can decide whether the sterilization will be repeated or not.
10. The sterilization time of the device is set as 1 hour. At the end of this period it sterilizes the area with a radius of 4 meters.
11. Sterilization time can be adjusted according to the room size.  
Please check **Sterilization Time** section for sterilization time setting.
12. You can wind the power cord around the cable winding apparatus.



## Sterilization Time

- Sterilization time is set at the factory to an hour duration before sending to the user. At the end of this period, the area with a maximum radius of 4 meters is sterilized.
- Time setting should be made for areas to be used in different sizes. In this case, you need to get technical support from our factory. For technical support;

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## WARNINGS



1. Please strictly refer to the operating instructions.
2. Do not dismantle the product or replace any parts on your own.
3. Please make sure that people, animals and plants are removed from the area to protect them from UV rays during the disinfection process.
4. Please do not look into the light when operating, to avoid hurting your eyes and skin. Exposure to UV-C rays is extremely harmful for both animal and human health. May cause permanent discomfort.
5. Do not knock or drop the product, otherwise it may damage the product or the lamp tube.
6. When the device encounters falling to the ground, breaking, being damaged by natural disasters or being exposed to any impact, the particles of the product should be collected with the help of a brush, carefully collected with the help of a brush, and the area should be ventilated. A waste box with the code of **20 01 21** (Fluorescent Lamp and Wastes Containing Other Mercury) must be created and separated from other wastes.
7. The main source of danger is mercury vapor contained in the tubes. When the tube breaks, it evaporates immediately. Up to 3 mg of mercury has been used per tube.
8. This product is an electrical product, please pay attention to electrical safety.

### ATTENTION



1. If the power is on but the light does not work, please check whether the power plug is properly connected to the power supply.
2. Please choose the correct input voltage for this product.
3. Please do not use the product in unstable, flammable or humid places.
4. When there is any abnormal situation in this product, please cut off the power supply immediately and contact our company.
5. To avoid electric shock, do not place the high-voltage AC plug in a damp or wet place.
6. The lifetime of the UV-C tube is more than 8000 hours. For UV-C tube replacement, you need to get technical support from our company. For technical support;

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