

OPERATING MANUAL OF PORTABLE UVC GERMICIDAL UNIT

INTRODUCTION

Ultraviolet or UV light is the part of the electromagnetic spectrum from about 100nm to 400nm, that contains frequencies just higher than visible light. These frequencies are invisible to humans, but visible to a number of insects and birds.

UV light can be divided into various wavelength bands with differing characteristics:

- UV-A (400-315nm): 'Long wave' UV. also known as 'black light' and used for skin treatments.
- UV-B (315-280nm) 'Medium wave' UV. which can cause sunburn if the skin is exposed to it for too long.
- UV-C (280-100^{nm}), Extremely effective 'In sanitizing microorganisms and biological pollutants, At this wavelength, the UV light attacks the DNA of microorganisms like viruses, bacteria, germs fungi, dust mites and flea eggs, stopping their reproductive capabilities and finally killing them.

The model **CTUVC10COX** uses UV-C light to effectively sanitize your car and personal belongings. Also it deforms bad smell /odour from your car. This highly effective UVC lamp produce it's highest irradiation value at 254nm. This lamp can be used in home, hospitals, offices and cars. *According to DRDO, the lamp can sanitize 12X12 ft room or car just in 30 mins.*

PRODUCT FEATURES

Eliminates up to 99.9% of germs, viruses and bacteria on hardsurfaces.

Highly effective against dust mites and flea eggs.

Eliminates up to 99.9% MRSA and HIN1 in matter of seconds.

Portable design and very easy to operate.

Built in mini exhaust fan for air purification.

Also built in timers(30mins) with buzzer system.

Long lasting TUV-T5 tube.

*For best performance, please ensure that bothside of the materials to be expose under the UVC light.



INSTRUCTION TO USE:

For car application:-

1. Place the device at the centre of the car's seat (do not cover the light during the process).
2. Carefully, take out the wire beneath the car's door.
3. *ON* the AC and FAN switch from the panel (but keep *OFF* the main Supply board switch).
4. Now, connect the power cord into 220V supply socket.
(please be ensure that all the Doors and windows of the car are closed before supply switch *ON*.)
5. After Power *ON* from the switch board wait for 30mins for the cycle to be completed

6. On completion of the cycle, open all doors and windows of the car, switch on the car's fan and leave it for 10mins so that it can remove the Ozone/polluted gas from the car.

For general application:-

1. Connect the power cord into 220V socket.
2. ON the AC switch from the panel .
3. Hold the device above the disinfecting things and move along it for 20-30 sec for sterilization.

Caution 

DANGER – UV (Ultraviolet) light can be harmful to the skin and eyes. It is important to use the **CTUVC10COX** properly. Improper operation of the device may cause injury. Read and understand all warnings prior to operating the device.

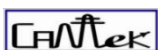
- Keep out of reach of children & pets.
- Do not look directly at the UV light.
- Do not use the UV light on any part of the body for long duration.
- Do not touch the UV tube.
- Never try to disassemble the device yourself. Removal or tampering with the electronic circuit board or lamp, may cause injury, or damage the device and void the warranty.
- Use it only for sterilization of surfaces.
- Do not use it in any other manner than instructed in the user manual.

LEGAL DISCLAIMER:

This is supposed that user will read the instruction and safety manual before using the UVC device lamp. User will be responsible for any miss happening caused by improper or misuse of the product.

TECHNICAL SPECIFICATIONS:

- Dimension: 1ft(L) X 3.5inch(W) X 3.5inch (H)
- Weight : 1Kg
- Bulb: UV-C germicidal tube
- Range of wavelength: 254nm (peak value: 253.7nm)
- Work environment temperature: 0 - 50°C;
- Relative humidity: 10-80% RH
- Power supply: 230V +/- 10%
- Power consumption: 12W
- Warranty: 1 Year (from the date of purchase). * no warranty on UVC tube.



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