



EP Lighting, Inc.

PE-PRK UVCO-300W

UVC + Ozone Disinfecter

Operation Manual

(Quick Start User Guide)

Danger! Strong UV radiation!

Use Proper PPE (Personal Protection Equipment) such as eye-wear and shielding clothing. Repeated and over-exposure to UV may cause skin cancer, severe burns, injury to eyes. Evacuate all personnel and animals/vegetations from designated area during UV operation.

Consult Physician immediately for any discomfort.

Warning! High Ozone concentration!

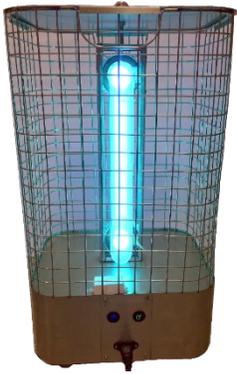
High-output Ozone generator (15g/hour) is utilized in this unit.

During Ozone operation (Optional), high concentration of Ozone is artificially generated under short period of time, which is intended to kill various type of harmful organic compounds within the space in shorter period of time. Therefore, exposed to high level ozone concentration, irritation to respiratory system will occur.

(reduce lung function, aggravate asthma, and damage lung cells.)

Again, consult Physician immediately for any discomfort.

The package includes:



UV-Kleen™ Mobile



Remote

Switches Used in the System



Ozone Switch



UV Switch



Power Switch

Operating Modes

There are two operating modes in the UV-KLEEN Mobile series, they are

1) Manual mode 2) Remote mode. Manual mode can be operated with the in-built switches on the unit, while the remote mode requires the supplied remote. The remote takes two AAA batteries.

Manual Mode Operating Steps:

1. Plug in the power cord, with AC 100~240Vac, 50/60Hz. (Market dependent) Note: Power Button LED lights up, indicating the power cord is connected.
2. Press Power button to activate EP UVCO Disinfector, energize all components.
3. Press UV button to activate UV lamp
4. Press O₃ button to activate Ozone generator (Optional, proceed with caution)
5. Press Power button again to deactivate PE-UVCO Disinfector completely.

Note: By pressing the Power Button, the UV Disinfector turns into Manual Mode. Meaning,

the disinfectant will keep working until someone manually approaches the disinfectant and turn off the switches. This mode is only recommended for situations where the Remote Controller is missing or runs out of battery. Please proceed with caution, with proper PPE (Personal Protection Equipment, such as N95 mask)

Operate only when fully understood the steps above!!!

Remote Mode Operating Steps:

1. Plug in the power cord, with AC 100~240Vac, 50/60Hz. (Market dependent) Note: Power Button LED lights up, indicating the power cord is connected.

*****DO NOT PRESS** the Power button!!! Remote function will be bypassed if doing

2. Press UV button to set UV lamp to be turned on later with remote controller.
3. Press O3 button to set Ozone to be turned on later with remote controller.
4. Walk away from UV Disinfectant, perhaps near the Exit Door.
5. Press the Power button on remote controller to turn on the Disinfectant, and activate the functions set in step 2 & 3.
6. Press the time buttons (15, 30, 60) on the remote controller to set the timer.
7. When time button is pressed, the remote module will start beeping with gradual increase in the beeping sound speed. Leave the room and close the door.
8. When time is up, the Disinfectant will be deactivated automatically.

Sensor Mode Activation:

After UV and/or O3 button pressed in manual mode, OR remote power & timer button is pressed in remote model, the Built-in Radar sensor will let the UV lamp and/or Ozone generator to be energized/activated for 4 seconds as Self-Diagnose test, then go to "Sensor mode". It will automatically Power-Off and Stay-Off the entire unit, if detecting any continuous movements within 3 ~ 5-meter distance. Power will resume in 17 seconds if no more movement detected.

Safety Instructions:

1. Do not look at the UV light directly. Wear protective eyewear and gloves. Cover arms and neck and limit exposure time.
2. Use N95 rated masks when operating Ozone module.
3. Keep the unit out of reach from children.
4. Unplug the unit when not-in-use.
5. Please evacuate the space for all living subjects, including human and animals for ozone exposure.
6. After use, please ventilate the space with sufficient air flow to remove ozone odor

(bleach- like), as well as decrease the ozone concentration to safety standard level.

Re-Enter instructions

7. If only UV was set, then the room is safe to be used immediately.
8. If Ozone function was activated during disinfection period, then after deactivation, please wear PPE (i.e. N95 mask) before entering, and open windows for fresh air exchange, then stay away from the room for 30~45 minutes, as the ozone concentration remains extremely high & harmful within the room. Air exchange is to reduce the Ozone concentration until safe level.

Other important Notes

1. Disinfector is good for all types of spaces where disinfection is needed.
2. The room might smell ozone for little long depending on the room air circulation.
3. The ozone is strong enough to disinfect the rooms and remove the bad odor.

General Specs:

UV Radiation Intensity:	≥1200μW/cm ²
UV Wavelength (nm):	253 ~ 254nm (UVC)
UV Lamp Power:	300W
Ozone Output:	15.0g per Hour
Ozone Generator Power:	100W
Voltage input:	200-240Vac @50/60Hz.
Environment Temp:	-30~80 C
Dimensions (mm)	320 x 280 x 700mm
Weight (Kg)	11Kg

Room Size (Sq ft)	Sterilization time (99% kill rate)
Under 144	3 min
144-324	4 min
324-400	5 min
400-500	7 min
500-1000	15 min
1000-1600	20 min
1600-2100	30 min

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