



UV-Air Sterilizer Kit

Converting Your Air Conditioner Into Powerful Air Sterilizer



UVC Leds Sterilizer 99.9%
of Bacteria and Viruses



Zero Toxic
Chemical Substances



Low Energy
Consumption



Long Lifetime
20,000hrs



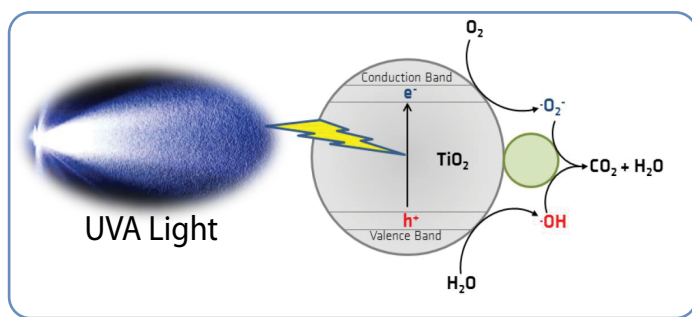
UV-Air Sterilizer Kit

KENDO UV-Air Sterilizer Kit is designed for mini-splits and similar limited space applications. Like all A/C systems, mini-splits are prone to internal mold growth and microbial contamination, particularly on and near the evaporator and blower wheel. This UV-Air Sterilizer Kit is to sterilize the airborne and surfaces contamination while having no impact on plastic materials.

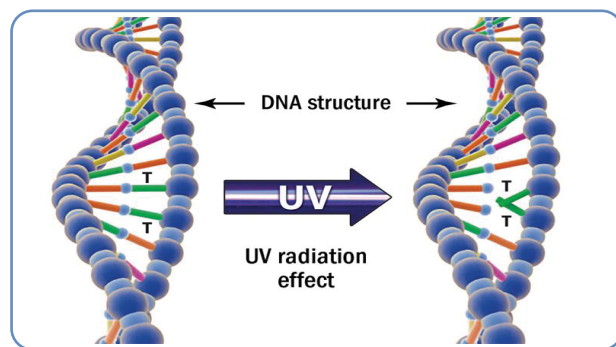
KENDO UV-Air Sterilizer mounted in the air conditioner can be benefits in controlling viruses, bacteria, molds, and germs. The UVC radiation neutralizes an organism's DNA and makes it unable to replicate. As indoor air circulates through the air conditioner system, it is consistently bathed in UVC and Photocatalyst as it passes through the treatment zone.

UVA LED & Photocatalyst : VOCs, virus, bacteria, fungus & bad smell

UVA + PCF(Photocatalyst) : $UVA + TiO_2 \rightarrow OH + O_2-OH + O_2^- + VOC, Virus, Bacteria(C,O,H,N) \rightarrow CO_2 + H_2O + Traceelements (N_2, Others)$



UVC Light exposure deactivates the DNA structure of **Virus**, **Bacteria** and **Others Pathogens** by destroying their ability to reproduce and cause disease.



When biological organisms are exposed to UVC light it is absorbed by DNA, RNA, and proteins. Absorption of UVC by proteins leads to a rupture of the cell wall and inactivation of the organism. With sufficient exposure, the DNA replication process is disrupted, and the cell cannot replicate, in fact, when the organism tries to replicate, it dies.

Model	ASK101	ASK102
Power Supply	AC 100~240V /1Ph/ 50/60Hz	
Rated Power	7~10W	
Coverage	Suitable airflow : 700cfm (1,190m3/h) and below	
Operating Conditions	Temperature: -30°C~65°C (-22°F~149°F)	
UV-A	Total 0.7W 1,400mW 395~405nm 20,000hrs (2 pcs)	
UV-C	Total 0.6W 40mW 265~280nm 20,000hrs (4 pcs)	Total 0.8W 60mW 265~280nm 20,000hrs (6 pcs)
Photocatalyst Filter	215 * 50mm with Tio2 coating 2.5g (4 pcs)	
Product Dimension (W*D*H)	LED Strip - 225 * 13 * 5 mm (2 pcs) Driver - 60 * 23 * 30 mm (1 pc) Switch - 61 * 20 * 19 mm (1 pc) Pakaging - 255 * 53 * 138 mm	LED Strip - 620 * 13 * 5 mm (1 pcs) Driver - 60 * 23 * 30 mm (1 pc) Switch - 61 * 20 * 19 mm (1 pc) Pakaging - 660 * 53 * 68 mm
Net Weight	0.15 kg	0.15 kg
Gross Weight	0.34 kg	0.34 kg

BENIFITS

- Improves indoor air quality.
- Maintains a clean evaporator and drain pan. free from mold and microbial growth.
- Saves energy/reduces maintenance costs.
- Extends life of Air Conditioner.

FEATURES

- Fits all type Air Conditioner systems.
- covered up to 700CFM for 1 set.
- 100-240V 50/60Hz VAC power supply.
- 20,000 hours expected LED life.
- 1 year warranty on all parts.

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