

**PRATIMATIC**  
AUTOMATION  
You Imagine We Automate



**6 MONTHS**  
WARRANTY  
OF LAMP

**10 YEAR**  
WARRANTY  
ON BOX

### Technical Features :

- Microcontroller Sensor Based System
- Door Sensor Protection
- LCD for Display
- Push button to set timer.
- Buzzer
- UVC Light Control Through Microcontroller
- Easy Lamp Replacement, within minutes.
- Easy access for cleaning
- Completely Stainless Steel

## UVC DISINFECTION CHAMBER

### Application Areas :

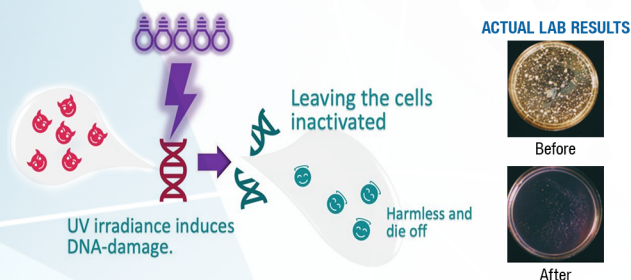
- Decontamination of Groceries/ Vegetables/ Fruits/
- Mobiles/ Laptops/ Keys Etc
- For Homes Offices/ Shops Etc
- Decontamination of PPE Such as Mask, N 95 Mask, Goggles/ Face Shields/ Decontaminated PPE Can Be Reused

LAMP DATA			
Irradiance	105 J/m <sup>2</sup>		
Nominal Lamp Power	8w		
Lamp Type	Low Pressure Standard, Ozone Free		
Lamp Tube Materia	Quartz Glass		
Lamp Quantity	2		
Typical Lamp Lifetime	6000 hrs		
GEOMETRICAL DATA			
Model	DC-30	DC-60	DC-90
Length	375mm	417mm	510mm
Depth	350mm	365mm	450mm
Height	300mm	410mm	533mm
POWER			
Total Power	50 W		
Voltage	230 V Single Phase		
Frequency	50/60 Hz		

## Why does Ultra-violet Disinfect?

Ultraviolet (UV) light kills cells by damaging their DNA. It is possible to destroy more than 99.99% of all pathogens within seconds. This method is inexpensive, highly efficient and reliable without using chemicals or generating harmful side effects.

## How does UV Disinfection Work?



## Science Behind Killing Virus

- UV Dose Required = 60 J/m<sup>2</sup>  
(Approx to Kill COVID-19)
- UV Terminator Dose = 106 J/m<sup>2</sup> (Double)



## Benefits :

- Effective for all types of micro-organisms, including bacteria, viruses, fungi and protozoa
- No disinfection by-products (DBPs) formed
- Low capital and operating cost
- Easy to operate and maintain
- Safe and environmentally friendly
- HACCP compliance UV-C and how it works
- Microbiological Principles

## UV-C Surface Treatment :

Surfaces can be reliably disinfected by means of ultra violet light in the UVC region in a matter of seconds. The benefits of using UV as opposed to other methods, such as thermal or chemical disinfection.