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# **Integrated Electric Intelligent Ultraviolet Germicidal Lamp System Specification**

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# 1 Product Overview

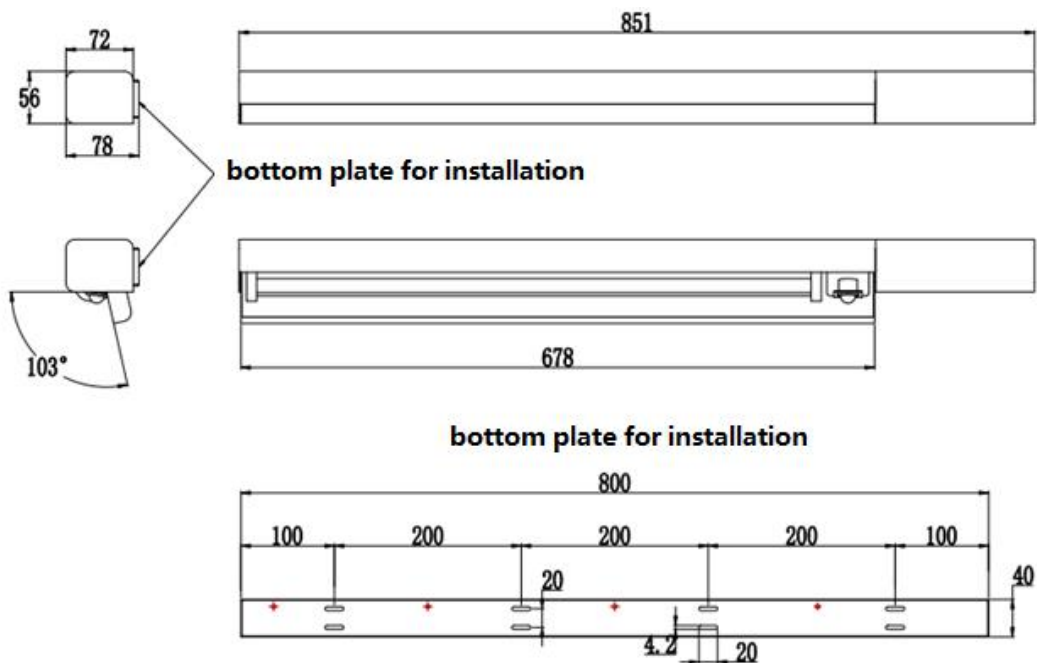
## 1.1 Application scenarios

Clothes and shoes are easily contaminated by carriers of bacteria or viruses in the surrounding crowd. household kitchens and toilets are prone to hide dirt and produce bacteria or viruses. It is recommended to use this product for sterilization and disinfection in the kitchen, bathroom, clothing room and shoe cabinet to protect the safety of family members.

There are full of people in schools, kindergartens, hospitals, government offices, and bank business. Carriers of bacteria can easily contaminate facilities and public goods. You can use this product for sterilization and disinfection to protect the safety of students, citizens, and staffs.

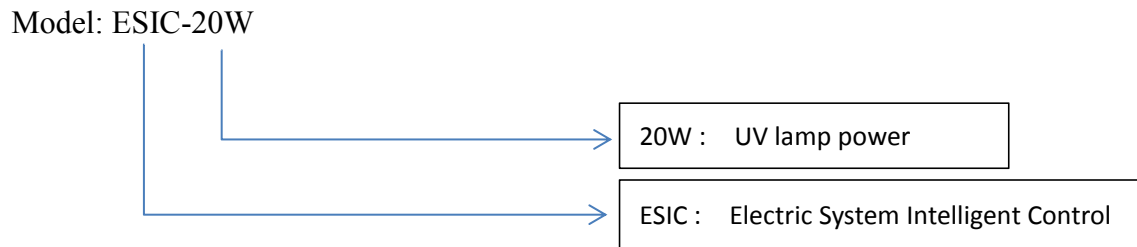
Supermarkets, convenience stores,Hotel, KTV ,restaurant, shopping mall toilets, dressing rooms and other business places, which are full of people,commodities and place equipment are easily contaminated by bacteria or virus carriers, and you can use this product for sterilization and disinfection to protect customers and Employee safety.

## 1.2 Product Size



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## 1.2 Model



## 1.3 System architecture implementation



Renderings

## 2 Function introduction

### 2.1 Product function

The ultraviolet germicidal lamp adopts 254nm ultraviolet light (no ozone), and the sterilization and disinfection efficiency can reach 99%.

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## 2.2 Intelligent control

- A. Automatically open / close the lampshade, intelligently detect the space environment, start the UV lamp disinfection for 30 minutes (or custom time) when there are no people or animals, and immediately turn off when there are people.
- B. Infrared human motion sensing protection device, when it senses someone (or other creature), it will not start or stop the operation of ultraviolet disinfection lamp immediately to ensure safety.
- C. Clock function. It can regularly turn on or off the UV disinfection lamp.
- D. Cumulative statistics of the usage time of ultraviolet lamps.
- E. The mobile terminal manually turns on / off the UV lamp via Bluetooth, sets anti-virus, waiting time parameters, synchronization time, etc.
- F. Voice reminder function. Voice reminder for the people who accidentally enter the elevator when the elevator is in the disinfection. The voice reminder when the disinfection lamp is damaged. And remind to replace the lamp when the life is over.

## 3. Manual control (optional):

Configure the switch to manually turn on or off the UV lamp system.

## 2.3 Mode introduction

### a. Office / Residential mode:

Turn on the UV lamp for 30 minutes; when the infrared human motion sensor senses biological movement during this process, turn off the UV lamp immediately. After 30 minutes of complete antivirus, wait 8 hours and restart a round of antivirus. The factory defaults to this mode..

### b. Medical mode:

Turn on the UV lamp for 30 minutes; when the infrared human motion sensor senses biological movement during this process, turn off the UV lamp immediately. After 30 minutes of complete antivirus, wait for 2 hours and restart a round of antivirus.

### c. Customization:

The user can customize the week and time period for antivirus.

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## 3 Electrical Specifications

Electrical specifications	
Attributes	Parameter
voltage	AC220V
Voltage fluctuation	AC180V~235V
Machine power consumption	≤30W
UV lamp power	20W
Motor Power	≤15W
Total size	851*72*56(mm)
UV spectrum	253.7nm (industry 254nm)
UV lamp life	8000 hours
Luminous flux maintenance rate during the lifetime	80%
UV intensity	90.2uw/cm <sup>2</sup>
Antivirus range	20m <sup>2</sup>
Human detection distance	3~6 meters
Speaker	4Ω1.5W
weight	3.5±0.2kg
Packing size (single)	Φ 100*960mm
Gross weight	4.5 ± 0.2KG

## 4 The interface description

### Power supply cable

- A. Function: Antivirus system power supply
- B. Length: 4 meters; wire core: 3 × 0.75mm<sup>2</sup>
- C. Brown wire: AC180~235V live wire
- D. Blue line: AC180~235V neutral line
- E. Yellow-green wire: ground wire

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## 5 Environmental conditions

Project	Specification
Storage temperature range	-20°C ~ 70°C
range of working temperature	-10°C ~ 60°C
Recommended working temperature	5 °C ~ 40 °C is the best temperature range for antivirus.
Operating humidity range	20%~80%

## 6 Fault diagnosis

### 6.1 The working indicator of anti-virus system is off

Please check whether the power cable is firmly connected.  
Make sure the input voltage is normal (AC180V ~ AC235V).

### 6.2 After the clock is set, it cannot be saved.

Please replace the built-in button battery, a professional one is required.  
Battery specifications: 3V, CR1220.

### 6.3 The UV lamp cannot be lit.

Check whether the work indicator has been lit.  
Please listen to the voice broadcast whether the UV lamp is damaged.  
Connect the device via bluetooth to check the fault code.

#### Remarks:

All faults can be viewed via Bluetooth. If the problem has not been solved, please contact the place of purchase.