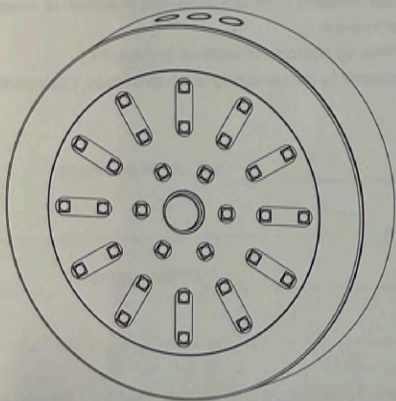


59S[®]

GLOBAL LEADER UVC DISINFECTION

59S[®] AUTOMATIC SPACE SANITIZER



SUN1
User Manual

GENERAL

The automatic space sanitizer is similar to "artificial sunlight" and has the functions of lighting and UV disinfection like the sun. One small step of 59S will be a giant leap in the history of human lighting. Mankind enters the era of "artificial sunlight", which provides not only lighting, but also disinfection function.

It is the simplest sanitizer, When people approach, it automatically lights up. When people leave, it automatically activates the ultraviolet disinfection function, to ensure that the objects and air in the space are sanitized and to reduce infection of object surface and aerosol germs.

It's reliable safety design to ensure that the human body is not exposed to ultraviolet light; No ozone is produced. it does not need to be ventilated for 30 minutes like a UV mercury lamp after disinfection, the space can be used immediately.

It's the most environmentally friendly disinfection method.

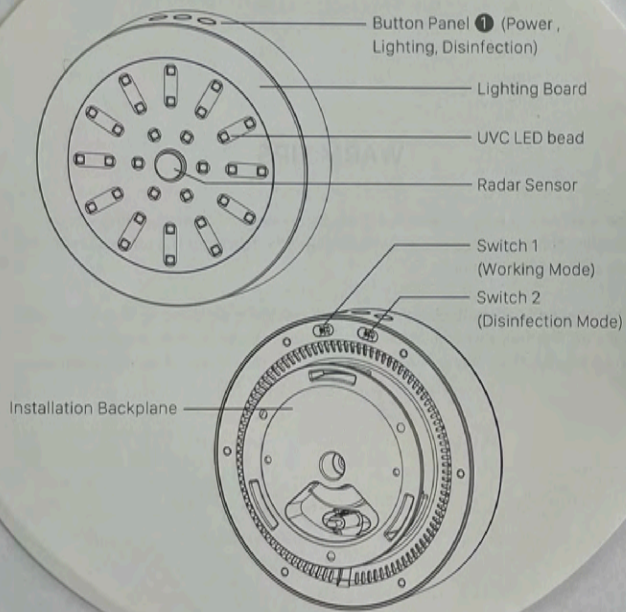
APPLICATION

This product is suitable for surface and air disinfection in space environment.

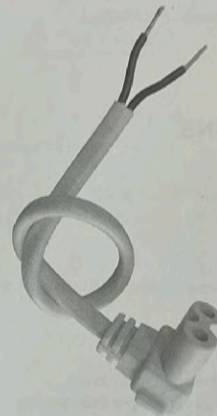
Disclaimers

Ultraviolet light has the function of accelerating aging like the strong sunlight. Do not irradiate fine arts, artworks, rare animals and plants or other valuables. We will not be responsible for discoloration, damage or death caused by improper use.

PRODUCT SCHEMATIC



Product Accessories



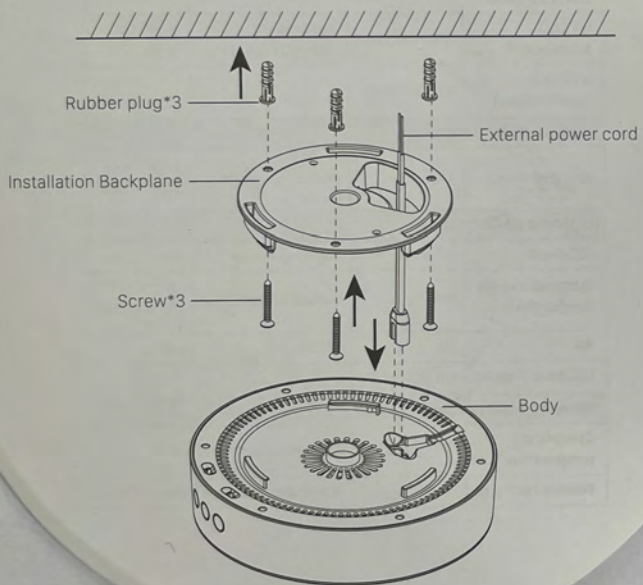
AC Wire



Expansion Screw

INSTALLATION METHOD

1. Please Fix it on the ceiling



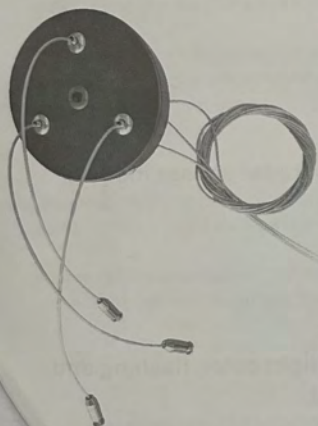
Step 1: Connect the AC line to the mains line through the installation backplane as shown in the wiring diagram

Step 2: Fix the mounting back plate on the mounting surface

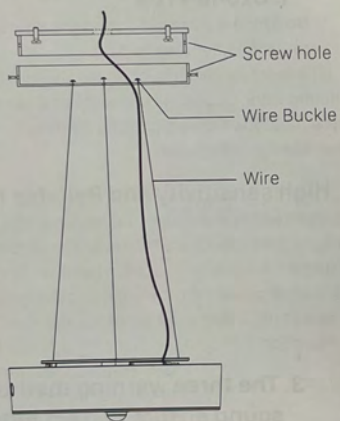
Step 3: Adjust the device toggle switches 1, 2 to set the corresponding working mode, and then plug the AC cable terminal into the device

Step 4: Align the device with the slot of the installation backplane and rotate it by 15° to ensure that it is locked in place and does not shake

2. When the ceiling height is greater than 3 meters, the following optional accessories are recommended for installation



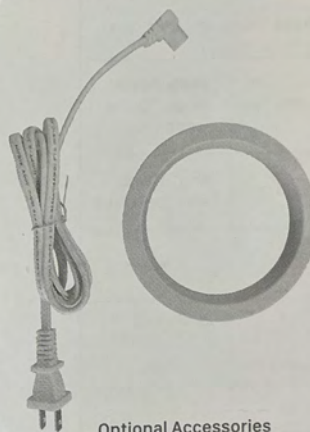
Optional Accessories



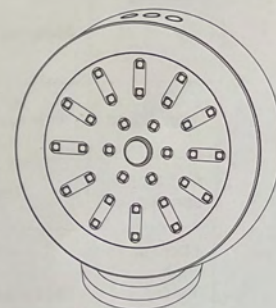
Installation diagram

3. Table top placement

This product provides a base ring for supporting the equipment, which can be placed on the desktop, which is convenient for table lighting, directional objects and air disinfection



Optional Accessories



Installation diagram

**SELECTION OF
WORKING MODE AND
DESCRIPTION OF APPLICABLE PLACE**

Automatic mode	Switch 1 setting	Sliding the switch 1 to the "auto" position
	Switch 2 setting	The switch 2 is invalid in this mode, Keep any state
Operating instructions	This mode will auto operate without manual intervention	
	1. The product remains on standby after power-on, and automatically lights the lighting lamp after detecting that someone or animal enters the sensing range (environmental light is strong, the lighting lamp is slightly bright, the ambient light is weak, and the lighting lamp is bright;)	
	2. Automatic disinfection after leaving 5 mins; (To prevent false triggering, if it enters the space for less than 40 seconds, the disinfection function will not be activated after leaving)	
	3. Disinfection working time: 10 minutes	
Application scenarios	Small spaces such as elevators, toilets, dressing rooms, and corridors	

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Post Code: 518132
Official website: <https://www.59s.com>
EPA Est. No. 95175-CHN-1
Contact us: services@59s.com

Ceiling manual mode	Switch 1 setting	Sliding the switch 1 to the "Ceiling" position
	Switch 2 setting	Disinfection time: To ensure the disinfection effect, different disinfection times can be selected according to the size of the disinfection space; 4-6 square - 30 minutes 6-8 square - 60 minutes 9-12 square-120 minutes
Operating instructions	<p>The user selects the operation mode of the product through the operation of the electrical switch</p> <ol style="list-style-type: none"> 1. Control the lighting lamp on/off by electrical switch; 2. Quickly control the electrical switch "on-off-on" within 3 seconds to enter the disinfection function disinfection 3. Quickly control the electrical switch "on-off-on-off-on" within 3 seconds to set as automatic mode (The blue light flashes twice) 	
Application scenarios	Hospitals, schools, restaurants, bars, retail stores, barber shops, hotels, offices, family rooms and other spaces that need to be disinfected	

Desktop mode	Switch 1 setting	Sliding the switch 1 to the "Table" position
	Switch 2 setting	Disinfection time: In order to ensure the disinfection effect, different disinfection times can be selected according to the size of the disinfection space: 30, 60, 120 minutes
Operating instructions	<p>Controlled by button panel ①, used for countertop lighting and directional items and air disinfection</p> <p>Function of the buttons:</p> <ol style="list-style-type: none"> 1. Power button: turn on/off the device 2. Illumination button: low light/high light 3. Disinfection button: on/off disinfection function 	
Application scenarios	Directional disinfection: desks and office items, conference tables, dining tables, car seats, children's toys, pet items, etc.	

INDICATOR STATEMENT

Working Status	LED indicator status description	Sound state description
Preparing	White indicator flickers 10s	N/A
	White indicator flashes 10s	'Beep, Beep, Beep...' Quick tweet
Disinfecting	Blue indicator is solid on	'Beep, Beep ' Tweet per mins
Disinfection completes	The light is off	N/A
(Ceiling manual mode) Personal protection	White indicator is solid on	N/A

SAFETY PROTECTION

Automatic space sanitizer, multiple safety protection, worry-free to use.

1. Ozone-Free

No ozone is released during the disinfection process, and it can be used without ventilation after disinfection.

(The mercury UV lamp contains UV light below 240nm, and ozone will be generated during work. Ozone will stimulate and damage the human eyes, respiratory system and other mucosal tissues, causing harm to human health, so it needs to be ventilated for more than 30mins before use)

2. High sensitivity and Reliable human radar sensor module

Equipped with human induction radar and radar failure automatic detection system to ensure safety.

⊕ Automatic induction: The radar can sense people and animals within 6 meters. Once detected, it will automatically stop disinfection.

⊕ Failure protection: It will automatically detect whether the radar is working normally every time it starts, if it is not normal, it will automatically turn off the disinfection function

3. The three warning methods of light color, flashing and sound ensure correct judgment.

When starting disinfection, it will be reminded with high-brightness light flashing and high-frequency buzzer. During the disinfection process, the light will turn into blue to avoid the danger of using UV lamps as lighting lamps before.

4. Before the disinfection starts, triple safety confirmation

- ⊙ The first level; continuous 5 mins in automatic mode to confirm that there are no human and animal movement signals;
 - ⊙ Second pass, when there is no human or animal movement signal, 10 seconds high-brightness, rapid light flashing, confirm that there is no human and animal movement signal;
 - ⊙ After the light flashes, enter the 10-second high-frequency warning sound + light flashing warning again;
- After the triple safety warning, it was confirmed that there was no living body before it enters the state of disinfection.

TECHNICAL PARAMETERS

1. **Product name:** 59S® Automatic space sanitizer
2. **Product model:** SZS30-SUN1
3. **Rated input:** 100~240VAC 50/60Hz
4. **Rated power:** 35W
5. **Input interface:** AC (2Pin)
6. **Size:** ∅ 180*53.3mm
7. **Body weight:** 475g

INSTALLATION METHOD

Disinfection performance			
Numbers of UVC LED bead	30 units	Disinfection power	35W
UV LED wavelength	260~280nm	Average UV intensity (center)	8 uW/cm ² @1m
UVC LED bead lifespan	>2000 hours		
Human detection			
Angle of view	140°x135°	Detection range	5-7m in front, 1-2m in side
Lighting performance			
LED Bead	40 units	Lighting Power	16W
Illumination color temperature	6500K	Output lumen	Low brightness: 1200lm High brightness: 3000lm
RA	80	SDCM	<6
LED bead lifespan	>20000 hours		
Working environment			
Operating temperature	-10 ~ 50 °C	Storage temperature	-20 ~ 85 °C
Relative humidity	≤90%RH	Working atmosphere	86kpa ~ 106kpa

PACKING LIST

- ⊙ Sanitizer x1 ⊙ AC Wire x1
- ⊙ Expansion screw x4 ⊙ Instruction manual x1

PRECAUTIONS

1. The actual voltage used must meet the requirements of the product
2. Animals or irregularly moving objects will trigger the radar sensor for protection, please consult a professional for product installation
3. Do not get close to strong magnets during use.
4. Do not look directly at the light, otherwise it may cause irritation to the eyes and damage the retina in some cases, resulting in ophthalmitis.
5. It is forbidden to spray or soak the product;
6. Children are prohibited from touching and using this product;
7. Non-professionals are prohibited from disassembling this product;
8. In order to improve product performance, there will be some changes in product function during production, please refer to the actual product in the box.
9. Please read the manual carefully and keep it properly.

WARM TIPS

- 1) The radar sensor is more sensitive. Irregular movement of surrounding leaves, curtains, doors and windows may cause the radar to trigger the protection function and stop the disinfection;
- 2) The radar can penetrate objects such as glass doors, windows, wooden doors, thin walls, etc. For those whose installation location is close to these locations, the protection function may also be triggered by the movement of outside personnel.

NAME AND CONCENTRATION OF HARMFUL SUBSTANCE OR ELEMENTS

Part Names	Harmful substance or elements						
	Pb	Hg	Cd	Cr(VI)	PBDE	PBB	EFUP
Shell	0	0	0	0	0	0	10
PCBA	X	0	0	0	0	0	10
Cables	0	0	0	0	0	0	10

O: It means that the concentration of the toxic and harmful substance in all homogeneous materials of the component is compliance with the limitation stipulated in GB/26572-2011.

X: The concentration of the toxic and hazardous substances in certain homogeneous material of the component exceeds the limitation specified in GB/26572-2011.

Note: Components marked "X" stands for no alternative technologies or components available at this stage.

The EFUP refers to the safety lifespan of using the product without hazardous material leakage under the conditions specified in the manual.



For the battery : 5 years EFUP under normal use conditions



For the product : 10 years EFUP under normal use conditions

WARRANTY

Warranty Details

Thank you for purchasing our product. While we aimed to provide the highest user experience, this warranty card is for you to retain and use when a warranty service is needed.

The following circumstances are not covered by warranty

- Warranty expires.
- Malfunction or damage resulted from failure to use, maintain or keep the machine as instructed by the User Manual.
- Disassemble the machine by customers without permission.
- Malfunction or damage caused by human errors (such as misuse, collision or wrong voltage input).

Product Model: _____ Date of purchase: _____

Retailer: _____

Customer Name: _____ Phone number: _____

Address: _____

- ▲ This warranty card and a proof of purchase from retailer, serve as an important record of your purchase and warranty service. Please keep it properly.