



User Manual

用户手册

Elevator Air Sterilizer

电梯空气消毒机

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1 Introduction

1.1 Preface

This manual can only be used to guide the installation and operation of elevator air sterilizer. The manual contains the functional description and regular maintenance of the unit.

2 Safety notes

In order to use the equipment correctly, the following safety notes need to be strictly observed:

- Assembly, installation and maintenance can only be carried out by specially trained professionals.
- Do not block the air inlet or outlet of the internal or external elevator air sterilizer.
- Only original spare parts and accessories can be used.
- Do not make any changes to the elevator air sterilizer described in the manual.
- The connection between the power adapter and the sterilizer shall be

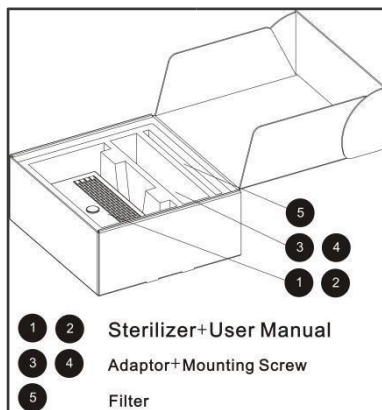
firm to prevent damage to the sterilizer due to poor contact.

- There is harmful ultraviolet light source inside the sterilizer. In case of leakage, please cut off the power immediately and contact the after-sales personnel.
- Electrical connection and any maintenance can only be carried out by authorized professionals.

3 Product description

Elevator disinfection machine is a kind of disinfection product developed for elevator and other narrow space and the occasion of personnel flow. It adopts nano slow-release disinfection technology, with sterilization efficiency $\geq 99\%$ and disinfection efficiency $\geq 98\%$. The product is small in size, and can be quickly installed on the side wall of the car with 3M strong double-sided tape. At the same time, it is designed with large air volume, which can ensure the rapid disinfection of polluted air in the car.

3.1 Main components



3.2 Operating conditions

Input voltage of adaptor	1~,220V,50/60Hz
Output voltage of adaptor	24 VDC
Operating temperature range	-20~45℃

Note: please read the nameplate parameters on the sterilizer carefully. The

actual technical parameters shall be subject to the nameplate.

3.3 Correct use

The elevator disinfectant is developed and designed according to the existing technology and recognized technical safety rules. However, if not used properly, the sterilizer may pose a threat to life and limb, or cause property damage. Please install and use this product in strict accordance with the user manual. The manufacturer shall not be responsible for any damage caused by improper use or assembly, installation and use, and all risks shall be borne by the user.

4 Installation

4.1 Installation position

Please observe the following regulations when selecting the installation site.

- Please reserve the top wiring and operation space, and the diameter of the wire hole is not less than 20 mm. In consideration of subsequent maintenance, it is recommended to reserve a space of 150 mm-300 mm between the top of the product

and the top of the car, as shown in Figure 4.1.

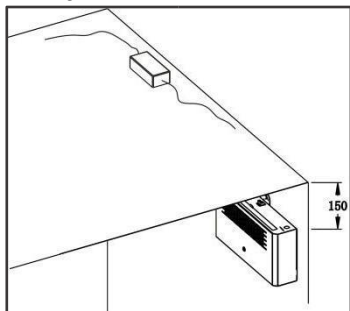


Figure 4.1 Wiring diagram

- It is recommended to be free of oil stains and dust.
- It is recommended to install the elevator disinfectant on both sides of the entrance door.
- The ambient temperature shall be within the allowable range of the equipment.
- The power specifications specified on the equipment nameplate must be guaranteed.

4.2 Installation requirements

4.2.1 General requirements

- Before unpacking, carefully check whether the package is damaged. Any packaging damage may be the cause of subsequent functional failure.
- After unpacking, please first count the items in the box and confirm that the products and accessories are complete.
- Before handling packaging materials, make sure that there are no loose parts inside.
- In order to protect the environment, we suggest to recycle it.

4.3 Installation and maintenance

4.3.1 Mechanical installation

Before installing the sterilizer, please check the accessory package and install it according to the following steps:

- 1) Punch the bottom hole and screw the side wall of the car 150 mm from the top. (it is recommended

that the plate below 1.8mm does not need bottom hole. 1.8 ~ 2.5 plate thickness positioning holes

can be drilled 4.6mm. Adjust the torque

from small to large according to the thickness of the plate and the material, so as to avoid the screw breaking due to excessive torque)

Note:

Some distance (4mm-10 mm recommended) shall be reserved for the installation of screws to hang the sterilizer. See Figure 4.2 for the schematic diagram of installation status.

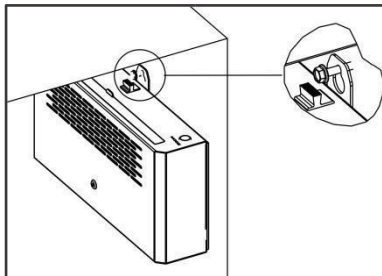


Figure 4.2 Installation diagram

- 2) Remove the 3M strong adhesive tape release paper on the back of the sterilizer. As shown in Figure 4.3:

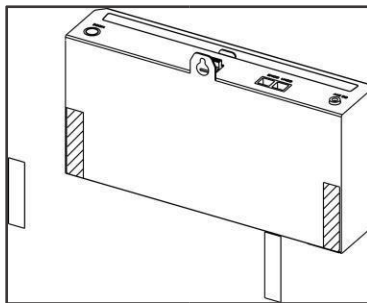
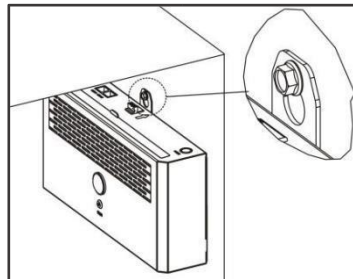


Figure 4.3 Paste diagram

- 3) Hang the sterilizer on the mounting screw. Tighten the tapping screw with the adjustable hexagon wrench, as shown in Figure 4.4.



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of screw

4.3.2Electrical installation

Take out the power adapter in the accessory package, connect the antivirus

machine and fix the cable reliably.As shown in Figure 4.5:

please connect the sterilizer with a triangular plug with grounding.

4.3.3Filter maintenance

The elevator disinfection machine is equipped with nano slow-release disinfection filter. The filter needs to be maintained regularly. It is recommended

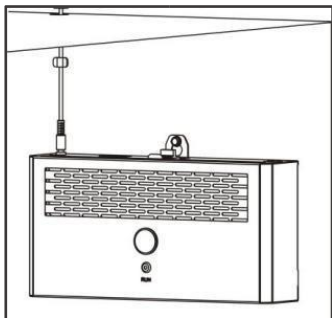


Figure 4.5 Wiring diagram of power adapter

Note:

High input voltage of adapter may cause product damage. Please connect the power supply according to the voltage requirements indicated on the nameplate.

Note:

In order to avoid any destructive effects,

to

replace it once every 3 months.

1)

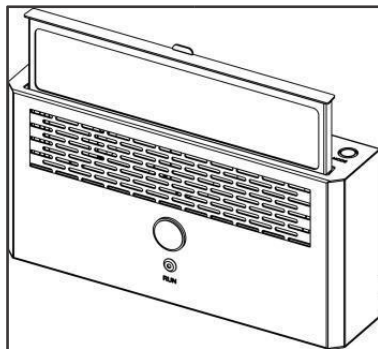


Figure 4.6 Filter maintenance diagram

Please refer to the following steps: Lift up the filter bracket from the top of the sterilizer, as shown in Figure 4.6;

- 2) Remove the filter from the filter bracket, as shown in Figure 4.7;

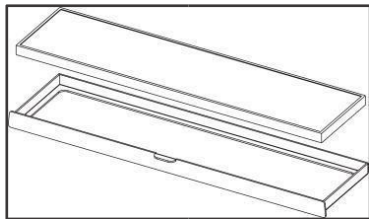
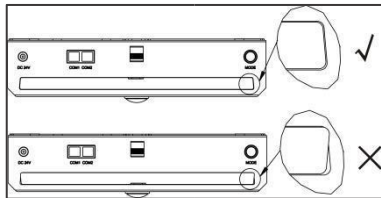


Figure 4.7 Filter maintenance diagram

- 3) Carry out the reverse operation according to the above steps, and install the new filter back into the sterilizer;

Note:

When installing the filter, it is necessary to prevent it from being installed reversely, and pay attention to the direction of air outlet. Anti reaction design has been



done, as shown in Figure 4.8 below.

Figure 4.8 Schematic diagram for correct installation of filter

4.3.4 Maintenance of photocatalyst components

After the best use period, the sterilization ability of photocatalyst components of the sterilizer will decline, so it needs to be replaced in time to ensure the sterilization effect. When replacing, please follow the steps below:

- 1) Please confirm that the power supply has been cut off before maintenance;
- 2) Push the switch on the top of the sterilizer backward, as shown in Figure 4.9

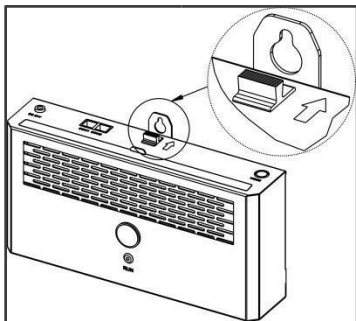


Figure 4.9 Schematic diagram of photocatalyst component maintenance step 2

- 3) Lift the shell up, and then move outward to expose the photocatalyst component, as shown in Figure 4.10;

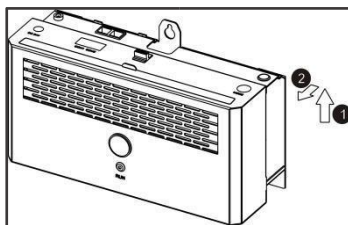


Figure 4.10 Schematic diagram of photocatalyst component maintenance step 3

- 4) First disconnect the cable of photocatalyst assembly, remove the photocatalyst sheet surrounded by the photocatalyst assembly, then slowly push the lamp to the left, and remove and push the lamp out of the rubber sleeve. As shown in Figure 4.11;

- 5) After replacing the new photocatalyst components, reverse the above steps to complete the final installation.

Note:

The lamp tube is fragile glass product, please wear gloves and other protection before operation to prevent injury.

4.4 Common faults and troubleshooting

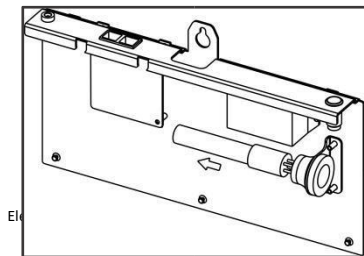


Figure 4.11 Schematic diagram of photocatalyst component maintenance step 4

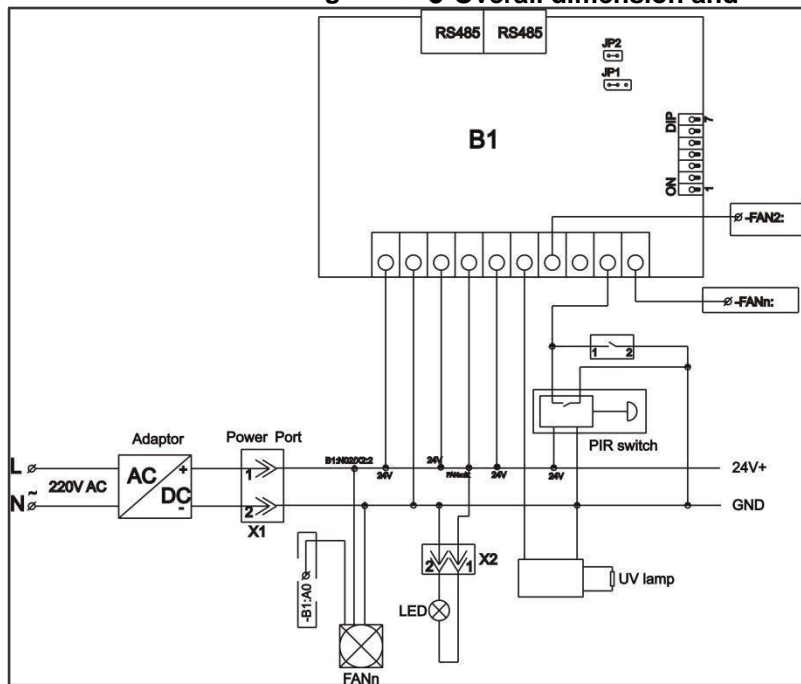
does not operate	Body sensor does not work	Restart the whole machine
The air volume is weak	Dirty filter	Replace the new filter and maintain it regularly.
	Fan damaged	Contact after-sales service personnel to replace the fan.
Running indicator light off	Loose power supply	Check whether the power supply is loose
	Indicator light damaged	Contact after-sales service personnel for replacement.
Abnormal noise of filter	Filter installation error	Check whether the installation direction of the filter is correct.
The fan does not turn	Fan damaged	Contact after-sales service personnel to replace the fan.

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Phenomenon	Possible causes	Method
The		Check whether

5 Electrical schematic diagram

6 Overall dimension and



intelligent operation and forced operation

Operation indicator light: green when the product is in normal operation, no light when it is in fault or power failure

Body sensor: Biometric module

7 Product guarantee

1. The warranty period of the product is 12 months.
2. The user must follow the installation instructions in this manual to obtain the product quality assurance service provided by the manufacturer.

Faults caused by any of the following reasons are not covered by our Warranty:

- The warranty period has expired;
- Failing to provide the factory number of the product;
- Faults caused by operation in abnormal conditions or environment, or improper installation, maintenance or operation not specified in the operation manual;
- Faults not caused by this equipment, such as those caused by user's equipment, user's software, etc;
- Damage caused by replacement or disassembly of product parts by users, or

damage caused by disassembly and repair by unauthorized maintenance service personnel; -Failure caused by force majeure such as fire, earthquake and flood