

New Products Catalog during the Pandemic

PROVIDE SAFETY ENVIRONMENT FOR YOU

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Technological innovation has never stopped during special period. K ELEVA- TORS Installation and Maintenance are following the footsteps of technological innovation and have been looking for solutions to enable our customers to take escalators or elevators more safety, to avoid bacterial or virus infection. We will share eight new products which used for escalators and elevators.

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ESCALATOR SPARE PARTS

HANDRAIL LED UVC STERILIZER GS00101001

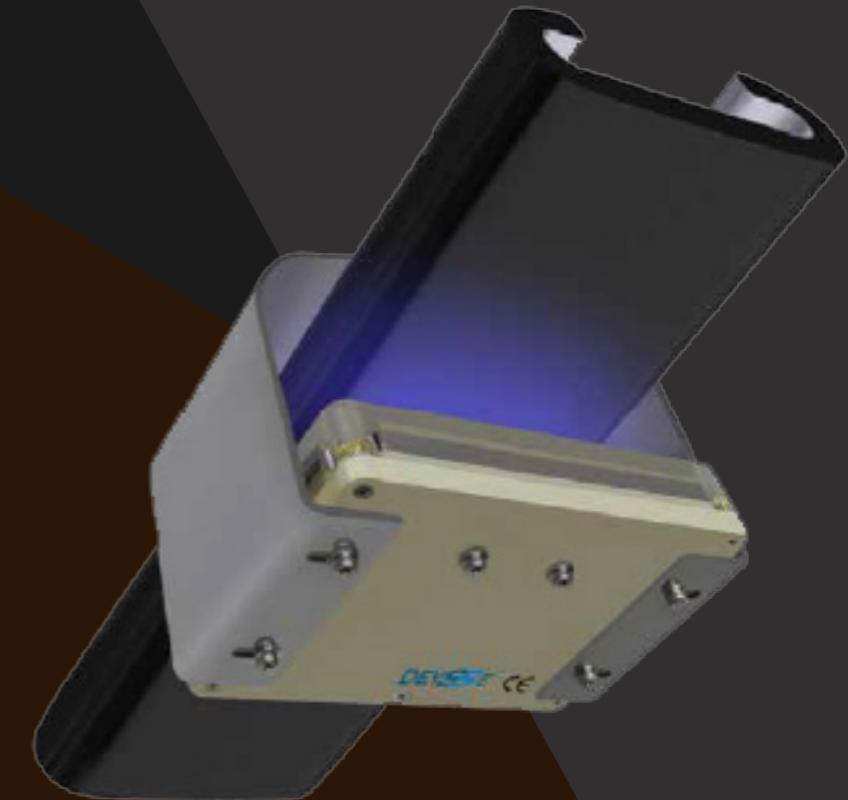
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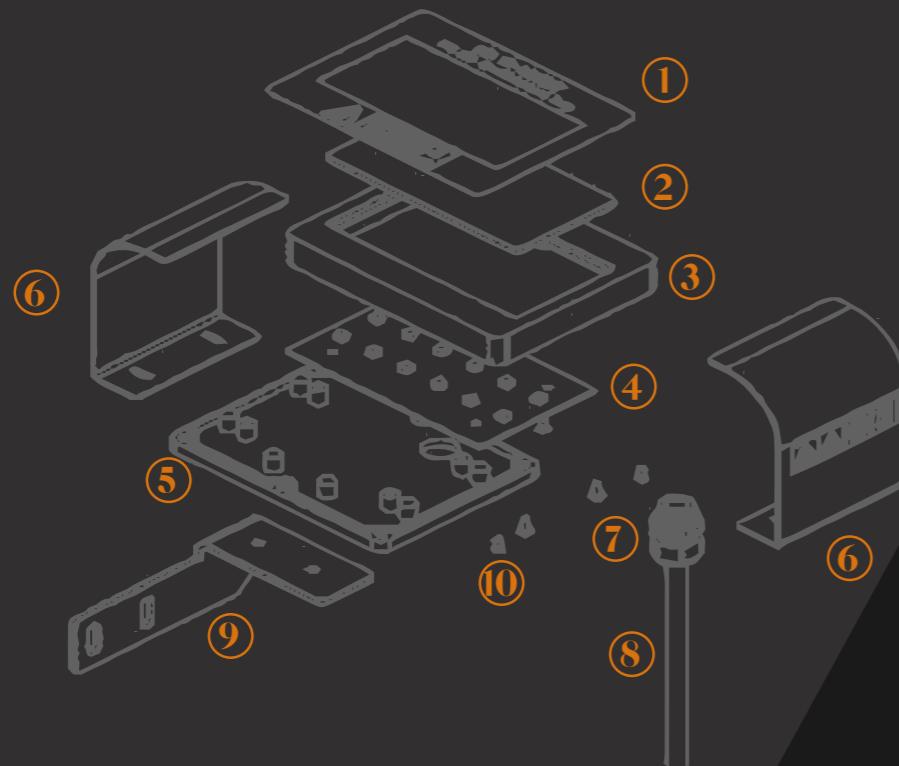
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Principle: Ultraviolet can be divided into long wave, medium wave and short wave according to the wavelength. The short wave ultraviolet has the bactericidal effect, which is generally 200-275mm range is the best waveband for sterilization. The principle of the UVC sterilization method is to damage the molecular structure of microbial cell's (bacteria, virus and other pathogens) DNA and RNA.

EXLODED DRAWINGS FOR COMPONENTS



MAIN DATA



12.0.3W



DC24V



IP 55

COMPONENT

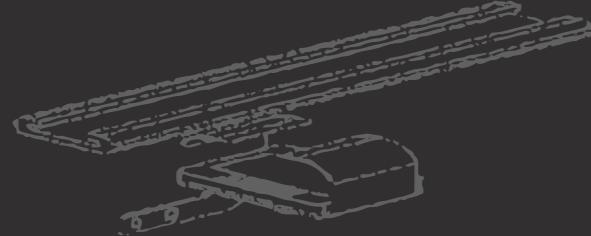
ID	QUANTITY	ARTICLES
1	1	PVC Thin Film
2	1	Quartz Glass
3	1	Front Cover
4	2	PCB Board
5	1	Rear Cover
6	1	Reflector
7	1	Cable Connector
8	1	Cable
9	1	Installation Bracket
10	4	Fastening screw

TECHNICAL PARAMETERS:

<i>Input</i>	DC24V±10%
<i>Input Vurrent</i>	<0.15A
<i>Wave Length</i>	270~285nm
<i>LED Size</i>	3535
<i>LED Quantity</i>	12PCS
<i>Design Lifetime</i>	10000hrs
<i>IP Protecting Level</i>	IP55
<i>Working Temperature</i>	-25°C ~ +60°C
<i>Operation Relative Humidity</i>	≤95%
<i>Storage Environment</i>	-30°C~ +70°C
<i>Best Sterilization Distance</i>	≤25mm(Vertical distance between light emitting surface of lamp and handrail)
<i>Irradiation area</i>	100*50mm
<i>Initial Irrandiance</i>	≥45uw/cm ² (@15mm)
<i>Irrandiance@10000Hrs</i>	≤40uw/cm ² (@15mm)
<i>Material</i>	PC & SUS304 & Quartz Glass
<i>Off and On time</i>	>300,000 times

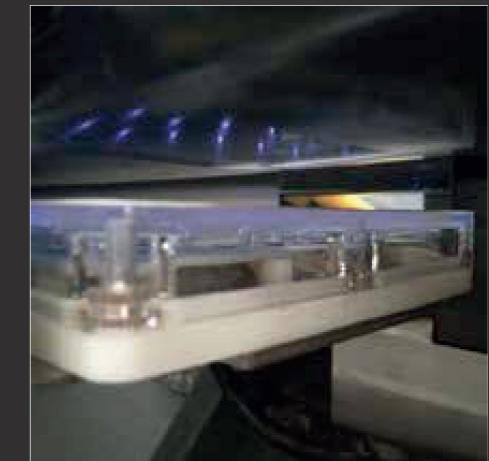
INSTALLATION

The UVC sterilization lamp is installed inside an escalator. Choose an available space where the lamp can be fixed in handrail system.



Step 1

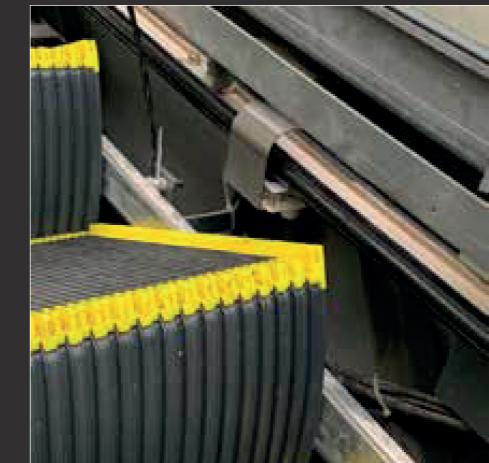
PHOTOS:



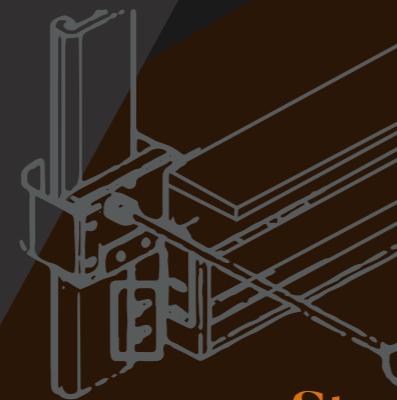
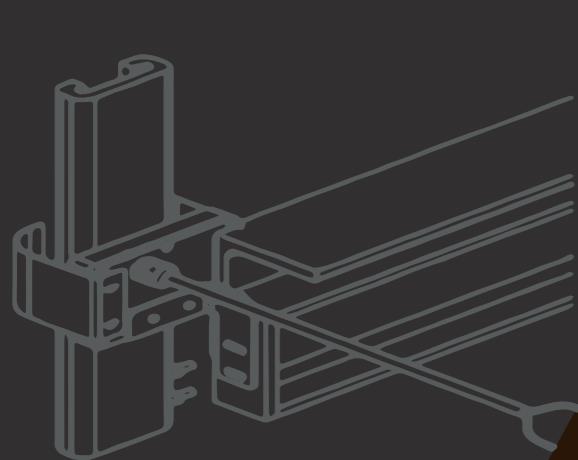
Put the reflector of lamp go through the handrail, which makes the luminous surface of lamp faces to the handrail.



Step 2



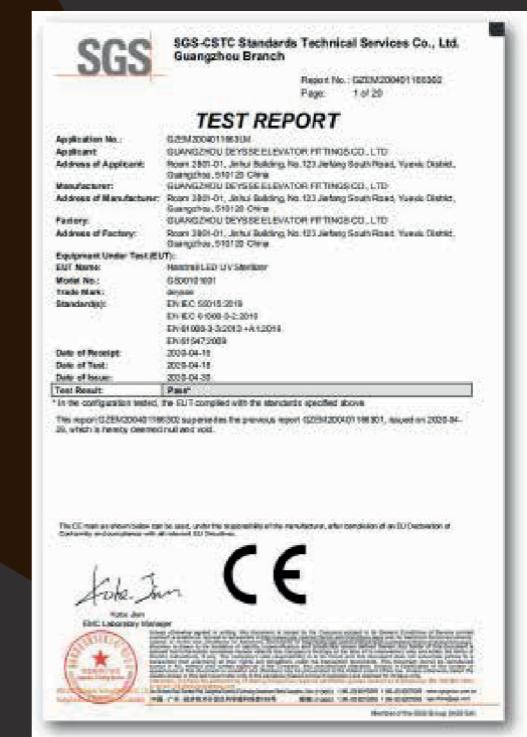
Choose a suitable installation bracket, and fix the lamp into the target position.



Step 3

Adjust the lamp via two installation holes of bracket, and be sure the distance between the handrail and lamp is 10~15mm, which brings the sterilization effect.

CERTIFICATION: CE; SGS



ESCALATOR HANDRAIL CLEANING MACHINE GS00101003



INTRODUCTION:

Escalator handrail cleaning machine is a non-motorized, simple and practical cleaning device. The use of engineering rubber brackets, equipped with negative microfiber cleaning pads, combined with high-efficiency disinfectant, on the premise of extending the rubber life of the armrest, remove dirt and bacteria, and has a disinfection effect.

TECHNICAL PARAMETERS:

- Product name: LP-750 Escalator Handrail Cleaning Machine
- Voltage: 12V
- Battery capacity: 1800mAh
- Pump flow: 1.5L/min
- Pump size: 90mm*40mm*35mm
- Pressure: 3mpa Weight: 20Kg

INSTALLATION:

When the automatic step ladder is running upward, the step ladder cleaner must be placed under the step ladder for cleaning, and when the automatic step ladder is running downward, the step ladder cleaner must be placed above the step ladder for cleaning.

Add water to the clean water tank, add disinfectant according to the instructions. Move the machine to the armrest and adjust the swing arm to the appropriate height. First put the lower wrap rubber into the handrail of the escalator, and then put the upper wrap rubber into the handrail.

After inserting, turn on the machine. Into the working state, regular spray disinfection.

ESCALATOR STEP CLEANING MACHINE

GS00101004



USING STEPS:

1. The correct installation of dust bag.
2. The host is placed in the automatic step ladder, pull the armrest.
3. In the automatic step ladder on the other side placed noted on the label.
4. Connect the power.
5. Turn on the switch, the host operation.

MATTERS NEEDING ATTENTION:

Caution: Moving escalator cleaner must be cleaned upon the staircase while moving escalator operates upgrade. Moving escalator cleaner must be cleaned down the staircase while moving escalator operates downgrade.

ESCALATOR CLEANER MACHINE TECHNICAL PARAMETERS

Item No: LP-460

Power: 2000W

Cable: 15M

Noise: ≤60dba

Working Width: 45cm

Volume: 20L

Voltage: 220V-240V/50HZ

Weight: 35KG

Safe Standards: level 1

GESTURE CALL DS00101001

APPLICATION:

The device can be retrofitted on old elevators or new elevator. It is an optional device. It can be access to any brand of elevator, suitable for commercial and domestic elevators.



FUNCTION:

- Incorporate elevator call button without destroying original elevator function and circuit.
- Wave your hands to call the elevator. Without touching the elevator buttons which can effectively avoid contact with bacteria or viruses on the buttons to protect the health of passengers.

OPERATING MODE:

Put your hand 5~15cm away from the "gesture call" device and swing upwards to trigger the "upward" button;

Put your hand 5~15cm away from the "gesture call" and swing it downward to trigger the "downward" button.

It can also be used with gloves.

PRODUCT PARAMETERS:

- Gesture effective range: distance 5 ~ 15 cm, angle; horizontally forward of the center of the device, ± 30 degrees
- Power voltage: input rated DC12 ~24V
- Overall power: 1W (MAX)
- Working environment temperature: -20°C~ 60°C
- Storage temperature: -20°C~ 70°C

INTERFACE DESCRIPTION:

POWER INTERFACE

Interface model	PH-2.0-2P
PIN pin	Definition
1pin	DC POWER 12 ~ 24V
2pin	GND

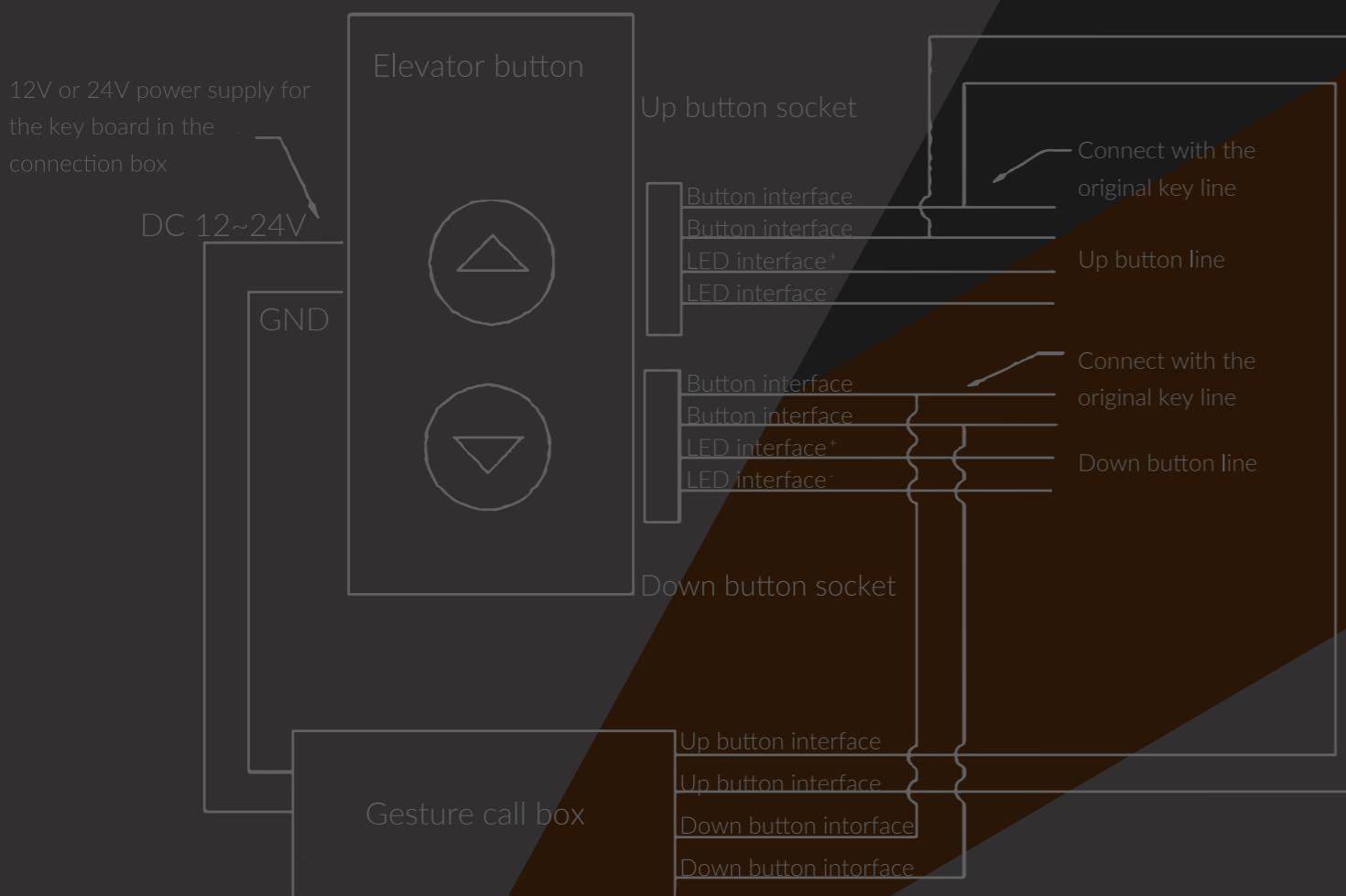
DC POWER 12 ~ 24V

Interface model	PH-2.0-4P
PIN pin	Defnition
1pin	UP1: Connect the up button cable
2pin	UP2: Connect the up button cable
3pin	DN1: Connect down button line
4pin	DN2: DN1: Connect down button line

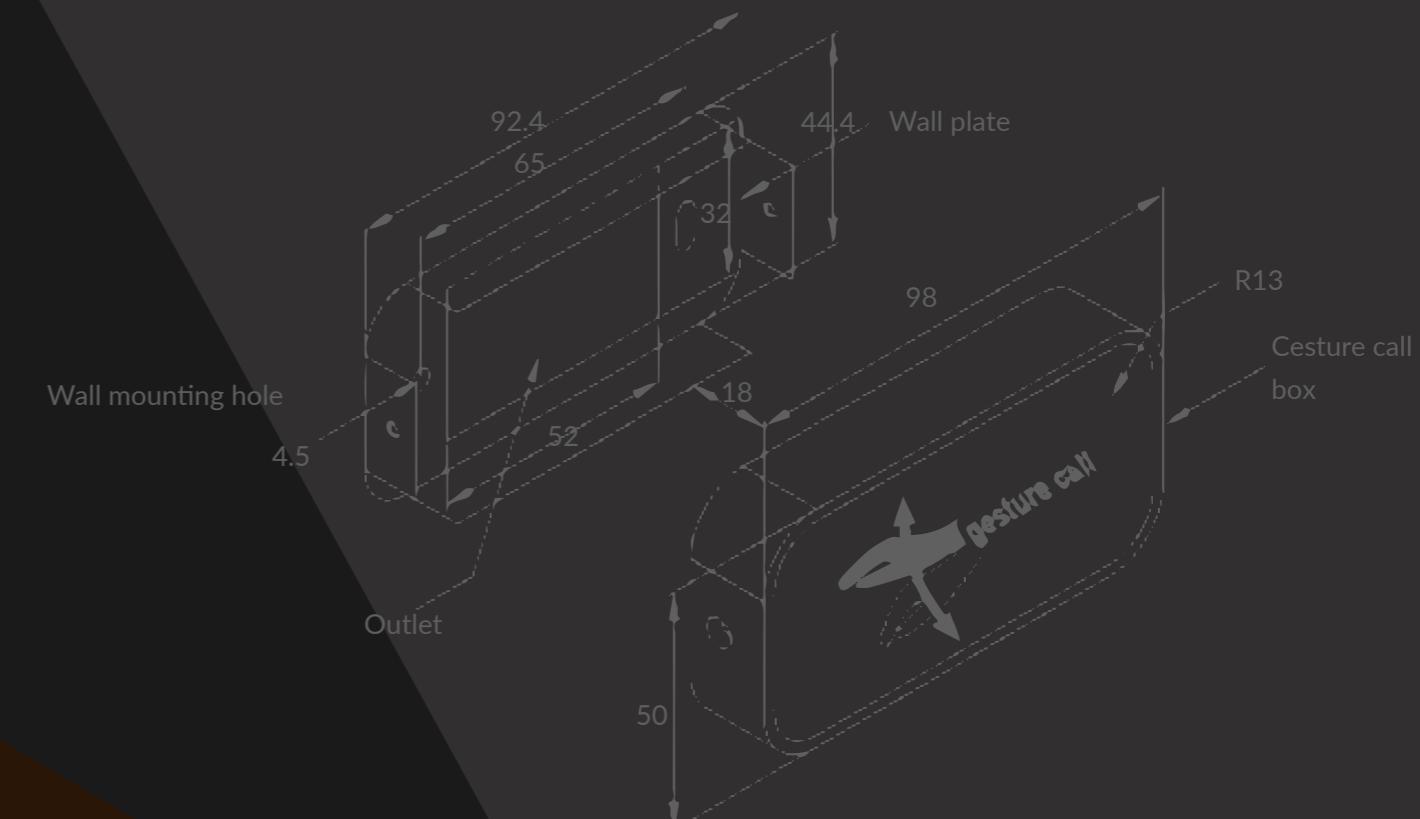
Note: The “gesture call” device installed on the top floor only needs to connect the “DN1” “DN2” down button line.

The “gesture call” device installed on the ground floor only needs to connect the “UP1 UP2” up button line.

WIRING DIAGRAM:



APPEARANCE CHART:



WALL MOUNTING HOLE



USE DESCRIPTION:

GYFB-9B Fan is suitable for sterilizing, disinfecting and purifying air in elevator cars, driving operation rooms, laboratories, etc.

The experimental reports proved that:

- The purification efficiency of PM2.5 particles: ≥99%
- The sterilization and disinfection rate: ≥99%

TECHNICAL PERFORMANCE

Speed: 1200 ± 100 rpm

Noise: ≤45db

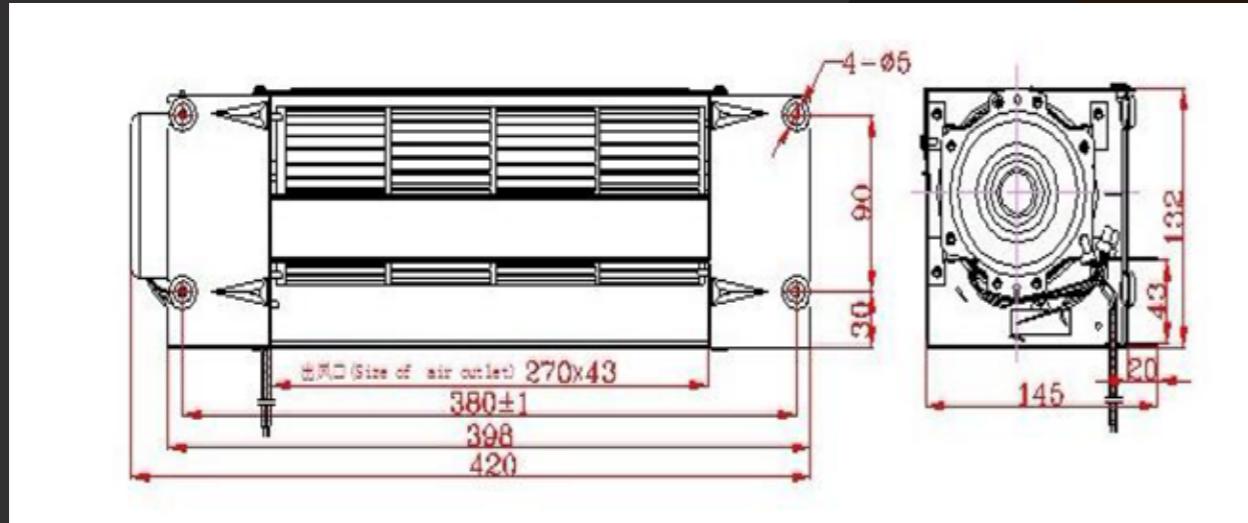
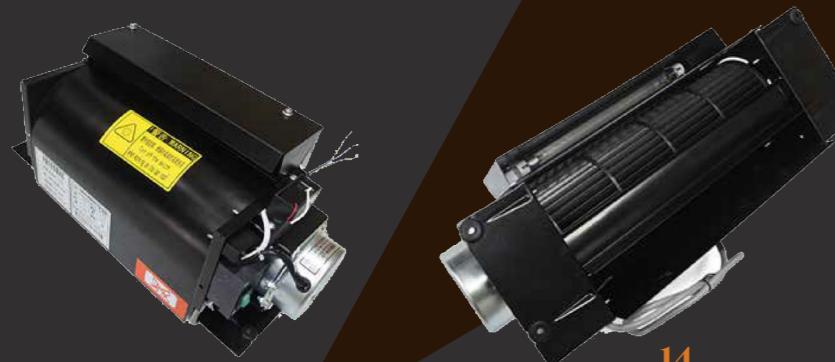
Air volume: 4.8 ± 0.5 m³ / min

TECHNICAL DATA

Working voltage: AC110/220/230V 50/60HZ A0.09/0.11
 Impeller size: φ91X266mm
 Air outlet size: 43X270mm
 Motor power: 25W
 Dimensions: 420X145X132mm
 Weight: 3.5 kgs

PRECAUTIONS

1. The environment for using the fan should not be too humid, and it is required to be waterproof.
2. Do not wash or wipe under working conditions, to prevent personal injury accidents.
3. Must be used the fan according to the specified working voltage to prevent damage the fan.
4. If the fan or power cord is damaged, it must be sent to the manufacturer or a professional for repairing and replacing.
5. In the fixed wiring where this appliance is installed, all power disconnecting devices with a contact opening distance of at least 3mm on the pole must be installed.
6. The installation height of fan blades is higher than 2.3 meters.
7. When the fan is used for household purposes, please install the motor protective cover.

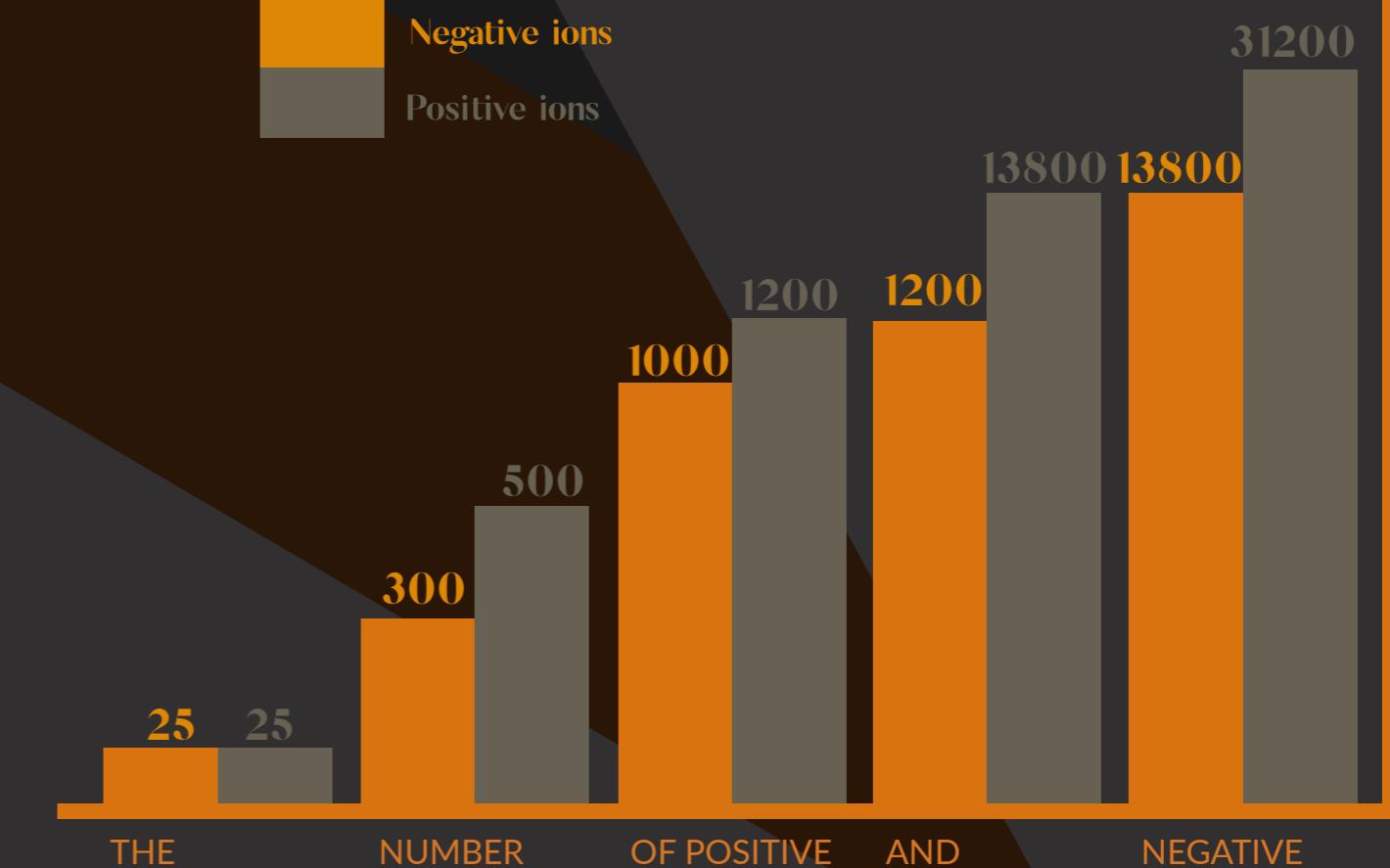
INSTALLATION DIMENSIONS**PHOTOS**

ELEVATOR PLASMA AIR PURIFIER

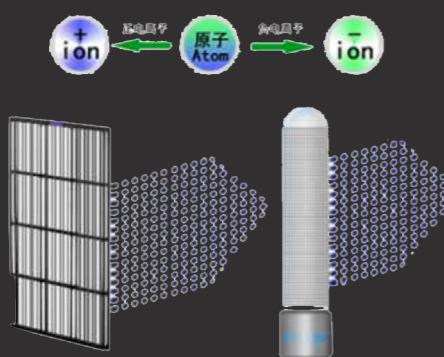
DS00101003

ABOUT IONS IN THE AIR

Ions are the charges contained in molecules or atoms. These ions exist in nature. After the plasma air technology is released, they actively collide and attack each other, inhibit and decompose the bacteria and mold molecules in the air, and destroy their particles. And floating mold, etc., will form a cluster of grape clusters, so that you can always be in a pollution-free original ecological environment, always breathe fresh and clean air similar to nature, it is very comfortable. This is the basis of plasma air technology. Break down the cell wall membrane.



IONS IN DIFFERENT LOCATIONS

INDOOR CITY COUNTRY
MOUNTAIN FOREST
WORKING PRINCIPLE

DEYSSE has a specially provided plasma conversion tube that uses a specific voltage to convert electrons in the atomic atoms of the air into charged ions. When the air passes through the ionization tube, it will form millions of

positive ions and negative ions, simulating the air environment in the natural mountainous area, which makes the indoor air fresh and effective in solving indoor air pollution problems.

APPLICATION ANALYSIS:

In crowded high-speed trains, subways, buses and long-distance buses, crowded, air difficult to circulate pollutants are easily "trapped" in the car (hands, backrest, seats, windows and frequently touched places) are extremely easy to cause cross infection, human body from respiratory tract, digestive tract, skin, hair, etc. Produce bacteria and peculiar smell, cough, sneeze, etc. Pollution is worse than others. Public places are more serious. Active plasma air purification technology can effectively prevent and control in the air (aerosol) infectious disease transmission, bacteria, viruses, odors, taste, etc. are decomposed to kill and clean the air.



PRODUCT PARAMETERS

NO.DS00101003

SPECIFICATIONS

Design air volume 60m³/h
Applicable area 20 - 30m²
Shell material Aluminum alloy
Weight 1 kg
Extreme operating temperature +60°C -20°C

ELECTRICAL

Voltage DC 12V
Frequency 50/60Hz
Power consumption 10W
Internal fuse Overload Safety Protection
Design and Dual Protection of Power Supply

IONIC VALVE

Material stainless steel outer net
Quantity Two
Size 70mm (3-inch standard)
Ion tube life 2 years
Size See Figure 2

CERTIFICATE

CE certification, CMA certification, CNAS certification



2



W: 60m m



L: 175m m

H: 260m m

1 air intake
2 Outlet
3 power plug
4 Fuse
5 Power switch
6 Work indicator
7 Primary filter screen
(clean once every 3-6 months)

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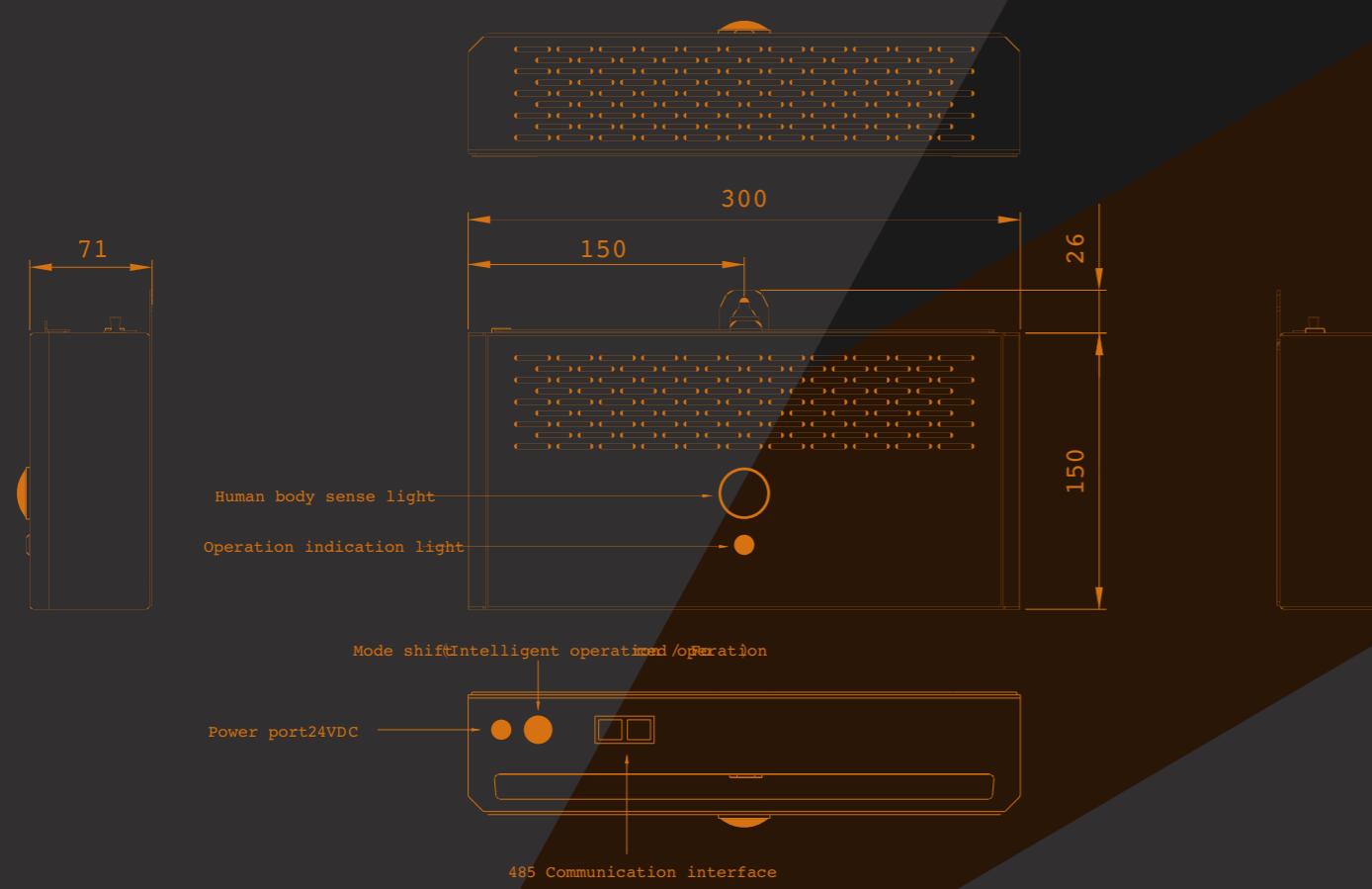
ELEVATOR AIR STERILIZER DS00101004



PRODUCT OUTLINE

- Double functions of highly efficient disinfection and purification
- All-round disinfection and purification of elevator air and walls
- Peaceful coexistence of human and machine to realize real-time disinfection and purification
- Ultra-thin design for easy installation and maintenance
- Intelligent biological recognition
- Internet of Things optional

EXTERNAL DIMENSION



PERFORMANCE PARAMETER

1	Circulating air volume	60m ³ /h @0Pa
2	Disinfection bacteria-killing technology	Germagic slow-released molecules + wholly-closed UV photo catalyst
3	Disinfection efficiency	99%
4	Killing rate of virus(influenza A and B virus)	99%
5	Killing rate of MERS coronavirus	98%
6	Noise	45dB(A)@1m
7	Way of air flow-in and flow out	Breathe in from bottom and return from front
8	Rated voltage of adaptor	220V 50/60Hz
9	Max operation current	1.2A(24V DV)
10	Output voltage of adaptor(connecting to product)	24V DC
11	Rated power	15W
12	Standby power	3W
13	Range of working temperature	-20°C-45°C
14	Range of working humidity	Relative humidity from 5% to 95%
15	Maintenance requirement	Top maintenance of filter
16	Maintenance period(Germagic slow release molecular filter)	90 days(normal)
17	Maintenance period(UV photo catalyst assembly)	360 days
18	External dimension(width×height×thickness)	300*150*66mm
19	Net weight	1.6KG

Lab Test Result					
VIRUS	Type	Killing rate		killing time (min)	
		H1N1 swine flu & H1N1	>99.9%	1	Mycobacterium tuberculosis
	Influenza B	>99%	1		Legionella pneumophila
	H3N2	>99%	1		Staphylococcus aureus
	H7N9	>99.9%	1		Aspergillus niger
	NOVs, Measles	>99.9%	1		Candida albicans (fungus)
	EV71	>99%	1		Coliform bacteria
	MERS-CoV	>98%	60		Bacillus pneumoniae
					More than ten others

Complete security test					
MDROs	Type	Killing rate		killing time (min)	
MRAS	MRAS	>99.9%	1		
MRPA	MRPA	>99.9%	1		
VRE	VRE	>99.9%	1		
Imipenem-r esistant	Imipenem-r esistant	>99.9%	1		
Acinetobacter	Acinetobacter				

	PASS	No heavy metal, no poison
	PASS	Mental corrosion test
	PASS	several skin irritation test
	PASS	Vagina mucosa irritation test
	PASS	Mutagenesis test
	PASS	Acute toxicity inhalation test
	PASS	Acute oral toxicity test
	PASS	Acute eye irritation test
	PASS	Identification of non-dangerous goods
	PASS	Hygiene security test

ELEVATOR ULTRAVIOLET DISINFECTION SYSTEM DS00101005

FUNCTION

UV disinfection lamp's light wave is 254nm (no ozone), so the sterilization efficiency can reach 99%.



SMART CONTROL

1. Obtain the elevator signal, turn on or turn off the UV disinfection lamp when no one uses the elevator. And turn off the UV disinfection lamp immediately when someone uses the elevator.
2. It is equipped with the infrared motion sensor light controller, which is the protection device, when people (or other living things) are sensed, do not turn on or stop the operation of the ultraviolet disinfection immediately to ensure safety.
3. Clock function. It can turn on or turn off the ultraviolet disinfection lamp regularly.
4. Cumulative statistics of use of the lamp, life expiration, lamp replacement reminder.
5. PC software settings on the anti-virus, waiting time parameters, time setting, etc. U disk connection is automatically updated to the control box.
6. Bluetooth connection, non-contact control system, update anti-virus time settings, view current status, synchronization time, etc.

APPLICATION

For the new elevator, ultraviolet disinfection system can be standard or optional. Access to any major brand elevator, suitable for commercial and residential elevators.

PRODUCT PARAMETERS

Controller

1. Working voltage: 220V AC
2. Working current: 200mA (MAX)
3. Rated power: 5W
4. USB interface: USB2.0
5. Network RJ45 (optional)
6. Bluetooth 5.0 (optional)
7. Elevator signal connection: cable connection (with lug added)
8. Working temperature: -20°C ~ 60°C
9. Storage temperature: -20°C ~ 70°C

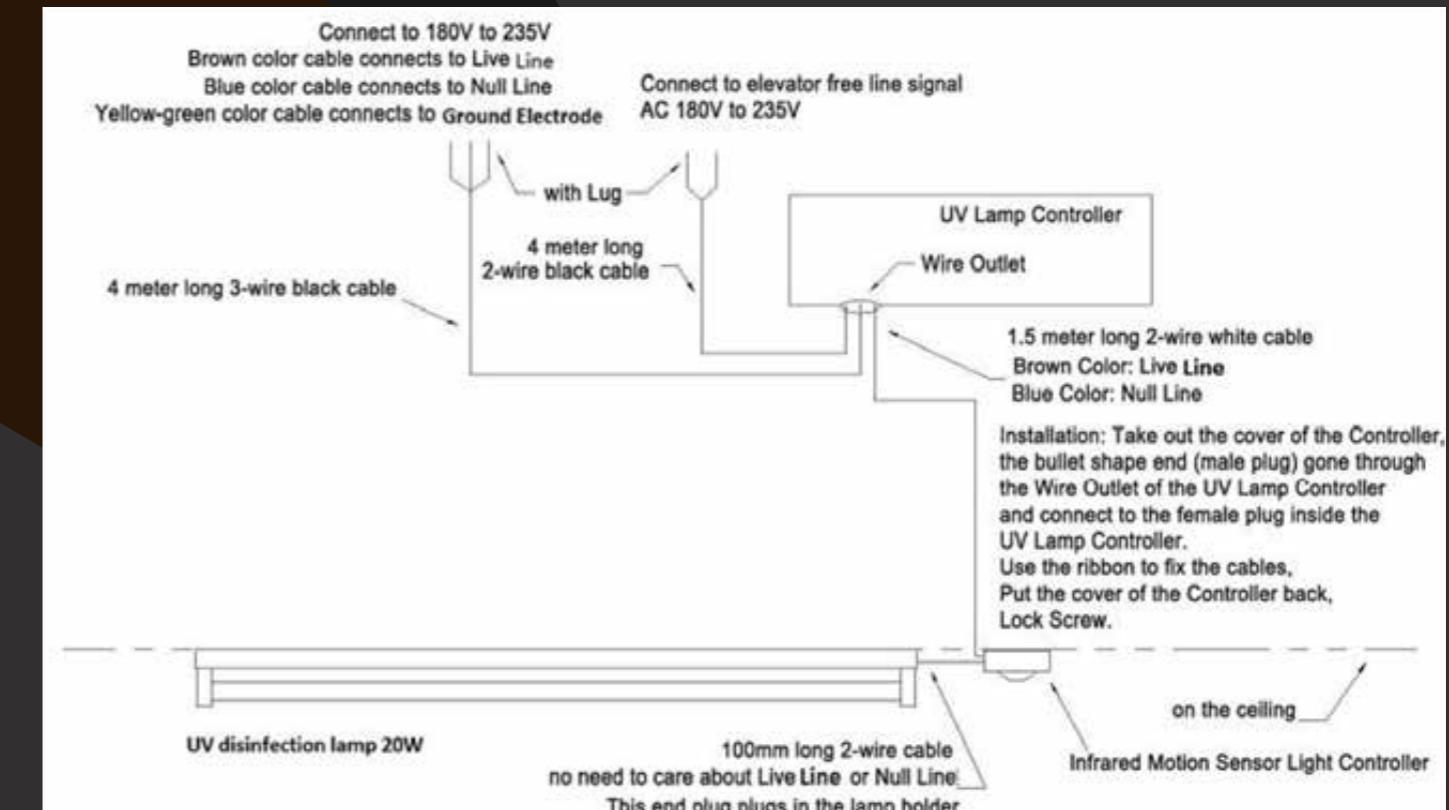
INFRARED MOTION SENSOR LIGHT CONTROLLER

1. Working voltage: AC 220V
2. Working frequency: 50Hz
3. Induction mode: human infrared movement
4. Detection range: 360°/ 120°
5. Detection distance: 3~5m
6. Delay connection duration: 16 ~ 360 seconds (adjustable)
7. Light control sensor: 5-500LUX (adjustable)

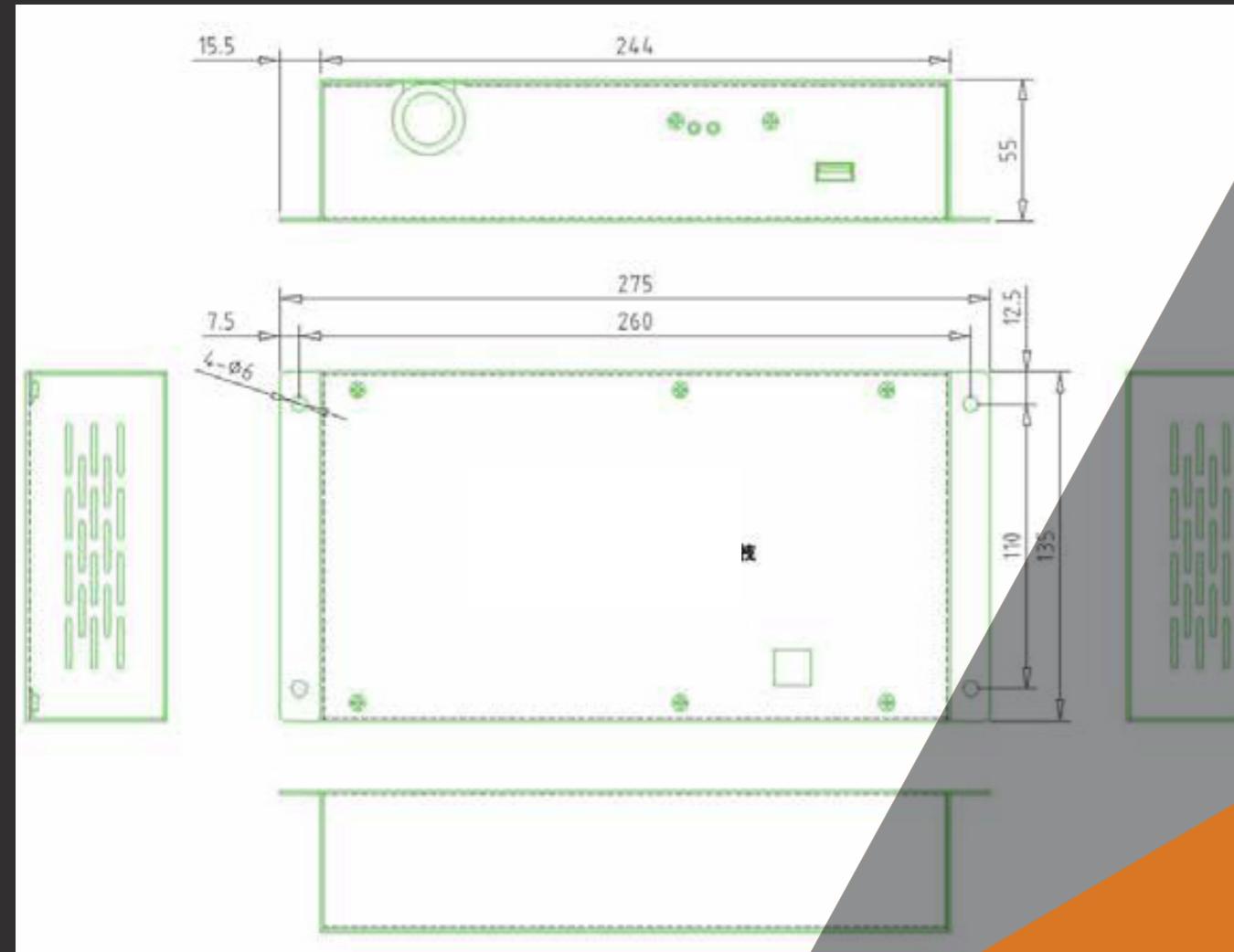
UV DISINFECTION LAMP

1. Power: 10W, 20W, 30W, 40W
2. Voltage: AC 185 ~ 245V 50Hz
3. Working temperature: -10°C - 60°C, Ambient temperature: 5°C - 40°C
4. Rated life: 8000 hours
5. Luminous flux maintenance rate during the lifetime: 80%
6. Working mode: continuous operation
7. Ultraviolet spectrum: 253.7nm (commonly known as 254nm)

WIRING DIAGRAM



PRODUCT APPEARANCE



SGS

**SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch**

198 Kezhu Road, Scientech Park, Guangzhou Economic & Technological Development District, Guangzhou, China 510663
Telephone: +86 (0) 20 82155555
Fax: +86 (0) 20 82075058
Email: ee.guangzhou@sgs.com

Page 1 of 1

VERIFICATION OF EMC COMPLIANCE

Verification No.: GZEM2005012728HSV
Applicant: GUANGZHOU DEYSSE ELEVATOR FITTINGS CO.LTD
Address of Applicant: Room 2801-01, Jinhui Building, No.123 Jiefang South Road, Yuexiu District, Guangzhou, 510120 China
Manufacturer: The same as applicant
Address of Manufacturer: The same as applicant
Factory: The same as applicant
Address of Factory: The same as applicant
Product Description: Elevator Air Sterilizer
Model No.: DS00101004
Trade Mark: deysse
Sufficient samples of the product have been tested and found to be in conformity with
Test Standard(s): EN 61000-6-3:2007 +A1:2011
EN IEC 61000-6-1:2019

As shown in the
Test Report Number(s): GZEM200501272801

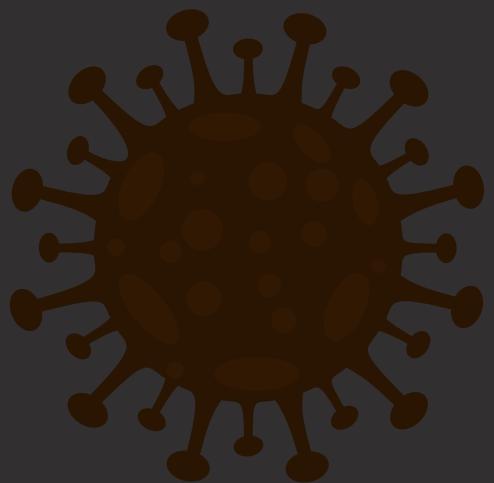
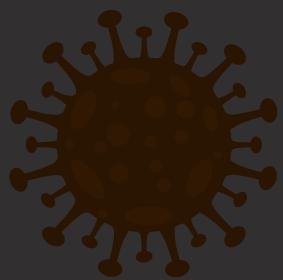
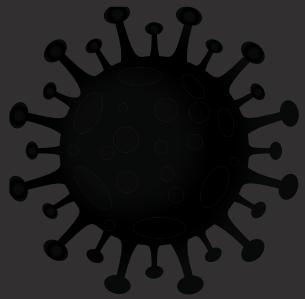
This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.


Kobe Jian
EMC Laboratory Manager


Date: 2020-06-16


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No.198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



CONTACT:

info@kelevators.co.za

Tel:

010 133-2222
0812705865

Address:

56 Von Wielligh Street, Johannesburg, 2001 Clinix Building 6th Floor