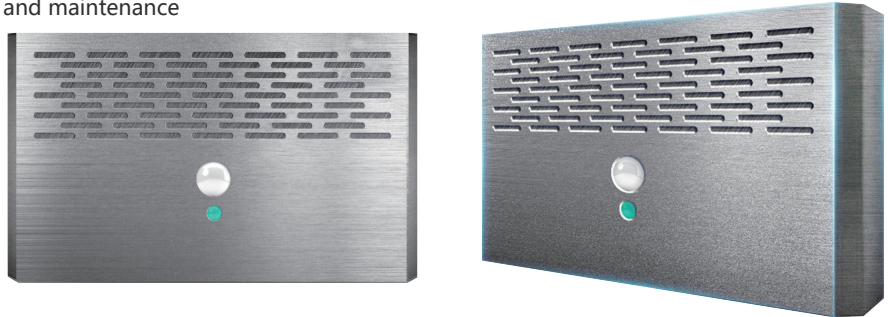


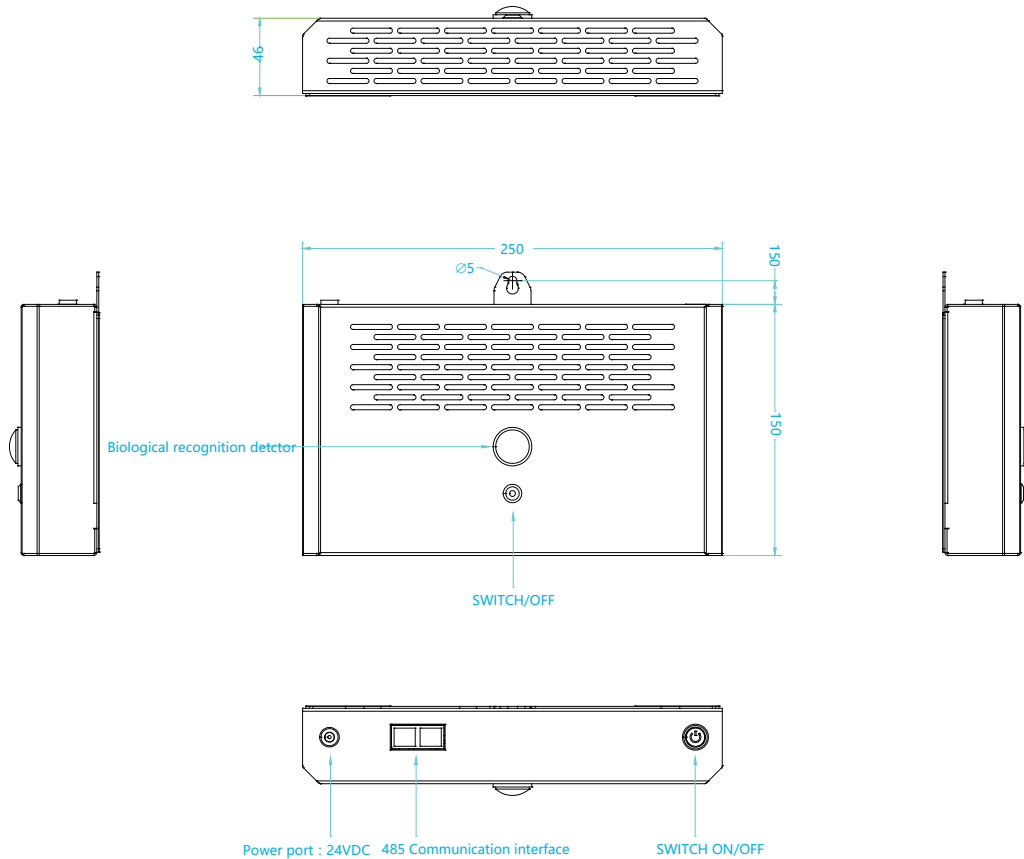
# Air Disinfection Purifier

## 1. 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
- Ultrar-thin design for easy installation and maintenance
- Intelligent biological recognition
- Internet of Things optional



## 2. External Dimension

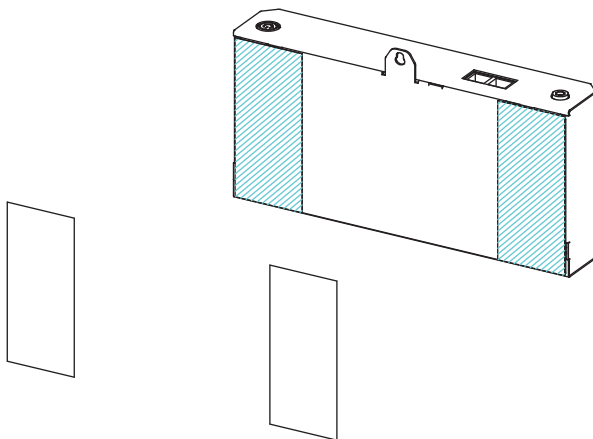


### 3. Ways of Installation

#### 1. Surface-mounted type

Dig holes on side walls of the cabin, 150mm from the top, (reserve some room for top wiring and operation)  
ps. The positioning holes is recommended as 4.5mm for plate of 1.5-1.8mm in thickness;  
and 4.6mm for plate of 1.8-2.5mm in thickness.

Tear off 3M tape on back of machine

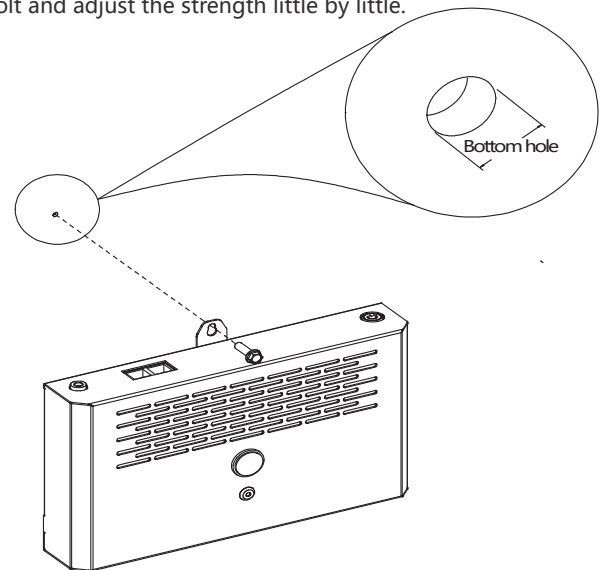


#### 2. Wall-mounted type

Align the hanging hole on the top of purifier with positioning hole and attach the machine on the wall.  
Then screw in self-tapping bolt slowly with electrical screwdriver and hexagon sleeve.

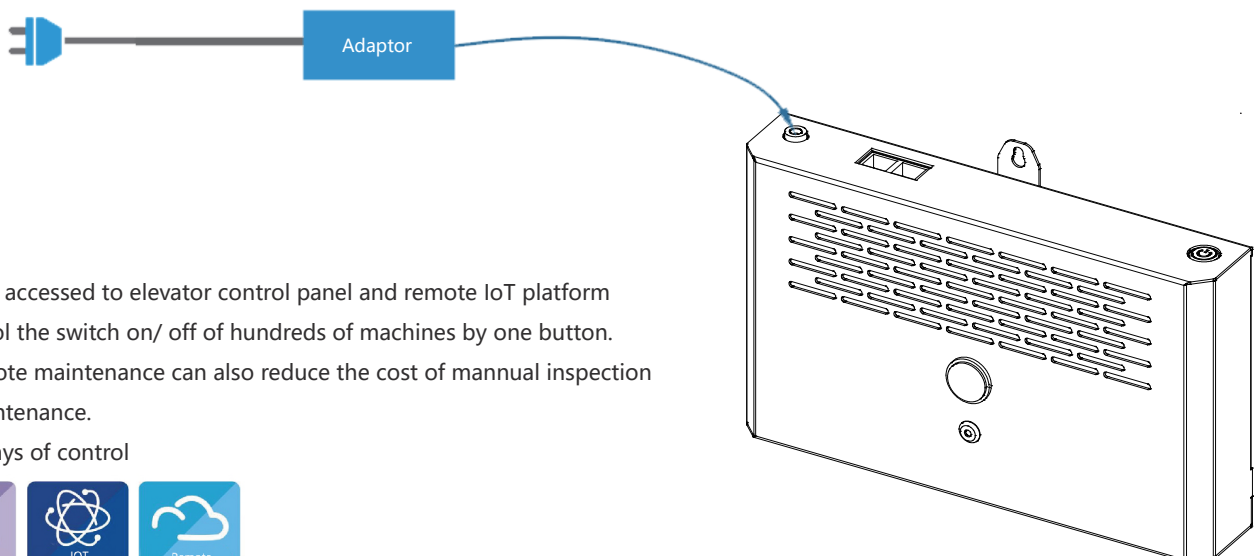
※ The torque varies according to different plate thickness and material.

Pls screw with small strength to avoid the breakdown of bolt and adjust the strength little by little.



### 4. Main Components

Connect adaptor and purifier (as shown in picture below) and plunge the other end of cable into 220V power source.  
Then the disinfection machine works by pressing the button.



It can be accessed to elevator control panel and remote IoT platform to control the switch on/ off of hundreds of machines by one button.  
The remote maintenance can also reduce the cost of manual inspection and maintenance.

Three ways of control



## 5. Performance Parameter











1	Circulating air volume	60m <sup>3</sup> /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 coronayirus	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	30W
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	1.5KG

## 6. Related Tests

### Lab Test Result

VIRUS			BACTERIA			MDROs		
Type	Killing rate	killing time (min)	Type	Killing rate	killing time (min)	Type	Killing rate	killing time (min)
H1N1 swine flu & H1N1	> 99.9%	1	Mycobacterium tuberculosis	> 97%	60	MRAS	> 99.9%	1
Influenza B	> 99%	1	Legionella pneumophila	> 99.9%	1	MRPA	> 99.9%	1
H3N2	> 99%	1	Staphylococcus aureus	> 99.9%	1	VRE	> 99.9%	1
H7N9	> 99.9%	1	Aspergillus niger	> 99.9%	1	Imipenem-resistant Acinetobacter	> 99.9%	1
NOVs, Measles	> 99.9%	1	Candida albicans (fungus)	> 99.9%	1			
EV71	> 99%	1	Coliform bacteria	> 99.9%	1			
MERS-CoV	> 98%	60	Bacillus pneumoniae	> 99.9%	1			
			More than ten others	> 99%	1			

### Comeplete security test

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