

# ELEVATOR CAB AIR DISINFECTION PURIFIER

## Model APWM

### Elevator Cabin Air Disinfection Purifier

- Highly efficient air disinfection and purification
- Slow disinfect release molecular filter, replaceable
- Automatic operation with occupancy sensor
- RS485 interface for remote control
- Ultra-thin design for easy installation and maintenance
- Wall mount, aluminum alloy enclosure
- Backside self-adhesive tape
- Power adapter included

Air Disinfection Purifier developed for elevators cabins and can effectively disinfect air and walls inside, as well as maintain hygiene and environmental protection.

Air Disinfection Purifier utilizes Germagic™ molecular filter and UV photo catalyst. Germagic™ - the material that slowly releases chlorine dioxide molecules. It is powerful and non-poisonous disinfectant recommended by World Health Organization. Enclosed UV photo catalyst permits no UV leakage. Disinfection rate of virus and bacteria exceeds 99%. Disinfection in depth can reduce transmission of droplets and aerosol without side effect on human body. Occupancy sensor recognizes presence of passengers and activates air disinfection. Once passenger gets off, the delayed shutdown function will run unit to ensure elevator disinfection before next service. This function can be overwritten with "Always ON" switch. Germagic™ molecular filter and UV photo catalyst are easily replaceable and available.



## Performance

|   |  |
|---|--|
| Circulating air volume  | 35CFM  |
| Disinfection bacteria killing technology                      | Germagic slow released molecules and UV photo catalyst |
| Disinfection efficiency                                       | 99%  |
| Killing rate of influenza A and influenza B viruses           | 99%  |
| Killing rate of MERS coronavirus                              | 98%  |
| Noise   | 45dB(A)@1m   |
| Way of air flow in and flow out                               | Bottom Intake, front return                            |
| Rated voltage of power adapter                                | 100-240VAC, 1.5A, 50/60Hz, / 24VDC 2.5A                |
| Max operation current   | 24VDC, 1.2A  |
| Rated power   | 30W  |
| Standby power   | 3W   |
| Range of working temperature                                  | -4°F to 113°F  |
| Range of working humidity                                     | Relative humidity from 5% to 95%                       |
| Maintenance requirement                                       | Top maintenance of filter                              |
| Maintenance period for Germagic slow release molecular filter | 90 days, typical                                       |
| Maintenance period for UV photo catalyst assembly             | 360 days, typical                                      |
| External dimensions (width×height×depth)                      | 11-3/4"W x 6"H x 2-5/8"D                               |
| Net weight  | 3.3Lb.   |

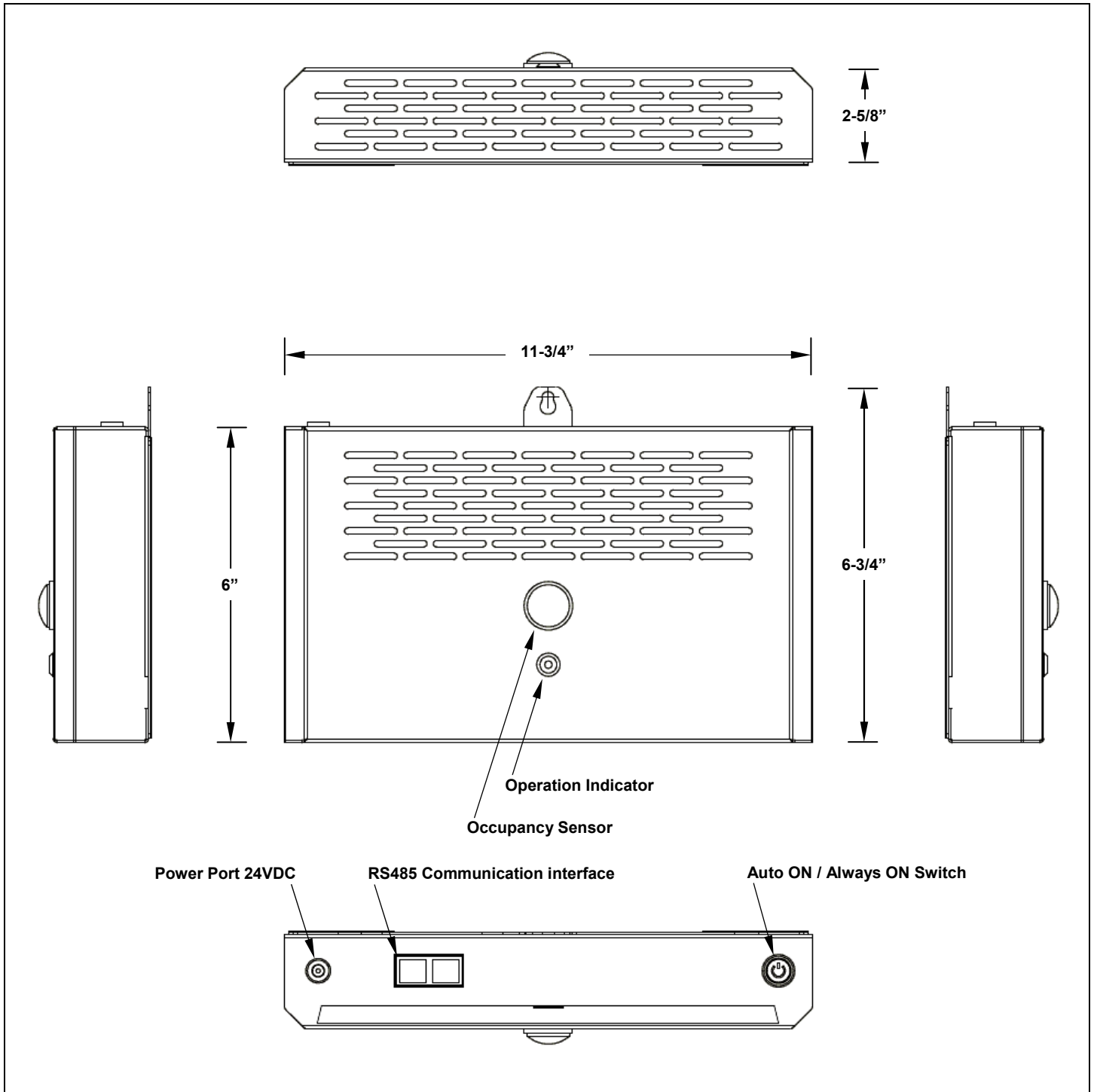
## Lab Test Results

| VIRUS           | Disinfection |            |
|-----------------|--------------|------------|
|                 | Rate (%)     | Time (min) |
| H1N1, swine flu | >99.9        | 1          |
| Influenza B     | >99          | 1          |
| H3N2            | >99.9        | 1          |
| H7N9            | >99.9        | 1          |
| NOVs, Measles   | >99.9        | 1          |
| EV71            | >99          | 1          |
| MERS-CoV        | >98          | 60         |

| BACTERIA                   | Disinfection |            |
|----------------------------|--------------|------------|
|                            | Rate (%)     | Time (min) |
| Mycobacterium tuberculosis | >97          | 60         |
| Legionella pneumophila     | >99.9        | 1          |
| Staphylococcus aureus      | >99.9        | 1          |
| Aspergillus niger          | >99.9        | 1          |
| Candida albicans (fungus)  | >99.9        | 1          |
| Coliform bacteria          | >99.9        | 1          |
| Bacillus pneumoniae        | >99.9        | 1          |

| MDROs         | Disinfection |            |
|---------------|--------------|------------|
|               | Rate (%)     | Time (min) |
| MRAS          | >99.9        | 1          |
| MRPA          | >99.9        | 1          |
| VRE           | >99.9        | 1          |
| Acinetobacter | >99.9        | 1          |

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**QUALITY  
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Cab Air Purifier 08132

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