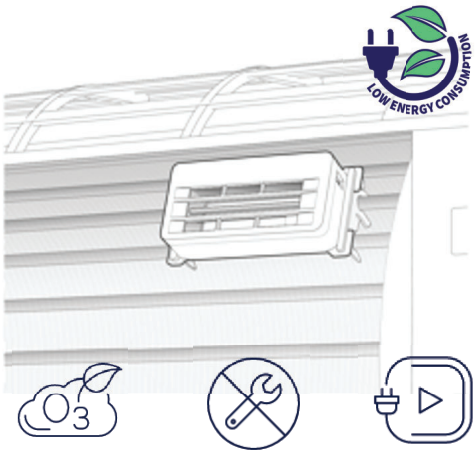
ENGINEERING DATA

FIELDCONTROLS
AIR TREATMENT

Model: TADIRAN AIROW3™

TECHNOLOGY AND BENEFITS

- Eliminates up to 99% of bacteria, viruses &mold [1][2], Patented method of use
- Tested and approved by FDA-cleared testing lab
- Best-in-class air purification technology, treats the air with a proactive approach
- ZERO maintenance, NO upkeep
- Lasting effect, even when AC is off
- Easy to install in high walls and PTACs,
- Applicable anywhere: residential, schools, new construction, hospitality, senior living, and more



Introducing the TADIRAN AIROW 3™ a unique Hydrogen Peroxide air cleaner that reduces airborne pathogens, eliminating certain known aerosolized pathogens including SARS-CoV-25, viruses, bacteria and mold*. It has no ion emission, requires no maintenance, is a quick install, and consumes very little energy. Designed to fit fan coils, Ceiling Cassettes, PTACs, ductless mini splits and VRF ductless split systems.

SCIENCE AND TESTING

Bioaerosol Type	Species/Protocol	Testing Lab	Results	Labs & Marks
COVID Virus	SARS-COV 2	Innovative Bioanalysis Labs. USA	99.93%	Chamber size: 16m^3, after 60 min
Virus	RNA Virus MS2 Bacterlophage	Aerosol Research and Engineering Laboratories USA	99.994%	Chamber size: 1 m^2, after 60 mi
Bacteria	Staphyloccocus Epidermis vegetative (+)	Aerosol Research and Engineering Laboratories USA	99.994%	
Bacteria	Streptococcus Pyogenes (Group A Strep)	Innovative Bioanalysis Labs, USA	100%	Chamber size: 36m^3, after 120 min
Mold	Blue Mold (Penicillum Citrinum) Aerosolized	Kitasato Research Center for Environmental Science, JAPAN	99.4%	Chamber size: 25m^3, after only 3 hours
Ozone Emission	Ozone free certified	INTERTEK	<5 ppb-tested	

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P/N 780506700 03/24 Rev A

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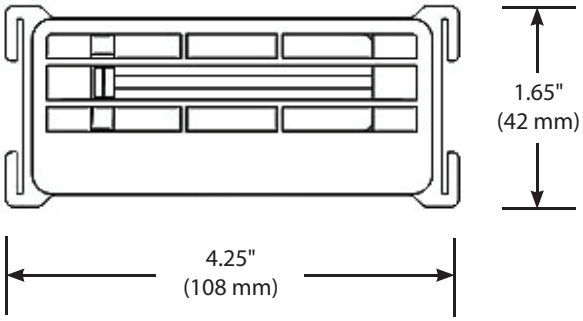
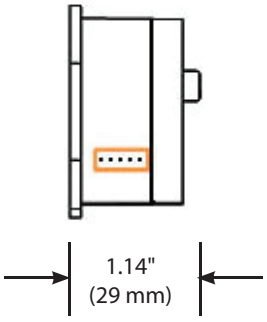
KEY FEATURES

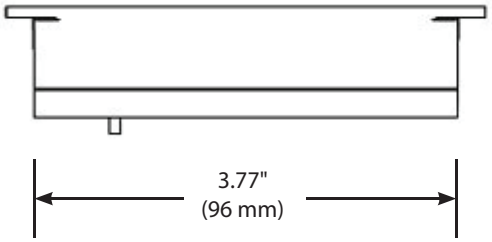
FRONT VIEW



SIDE VIEW



TOP VIEW



Parameters	Value
Weight	0.22lbs (100g)
Dimensions	3.77 x 1.14 x 1.65" (96 x 42 x 26 mm)
Housing Material	ABS Plastic, White Color
Operation Temperature	23 F to 131 F -5°C to +55°C
Operation Humidity (Non-Condensing)	20% - 80%
Input Voltage	12 VDC ± 10%
Input Voltage for Power Supply	100-240 VAC, 50/60 HZ
Power Consumption	1W Max
Air Velocity	Min 1 m/Sec
Air Flow Capacity	Up to 1600 CFM
Indication LED	Green/Red Indication for Proper Operation
Maintenance	Zero Maintenance
Ozone Emission	<=5 ppb
Hydrogen Peroxide Level	<=15 ppb
Warranty	3 Year Product Warranty

* Independent tests showed that TADIRAN AIROW 3™ technology eliminated more than 99.93% of tested aerosolized pathogens under optimal testing conditions, including viruses known as SARS-CoV-2 and bacteria.

TADIRAN AIROW 3 reduced detected SARS-COV-2 aerosol levels by 99.93% within 1 hour (16 cubic meter test chamber) and detected Bacteria Staphylococcus epidermidis aerosol levels by 99.994% within 1 hour (1 cubic meter test chamber). Aerosol of Blue Mold was reduced with TADIRAN AIROW 3 by 99.4% within 3 hours in a 25 m3 chamber. Only qualified and licensed HVAC technicians may install this device. TADIRAN AIROW 3, ested by TUV and Intertek, does not emit more than 0.005PPM.

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PROJECT INFORMATION

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect	
Engineer:	
Contractor:	

P/N 780506700 03/24 Rev A