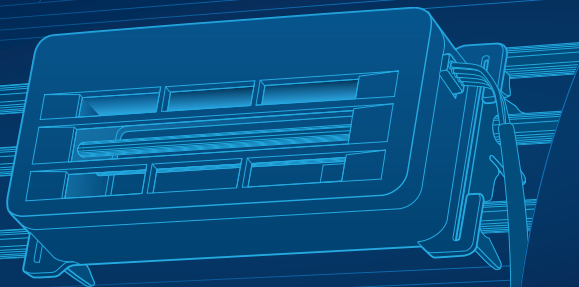


TADIRAN AIROW 3™

Hydrogen Peroxide Aerosol Cleaner

Installation Manual



Innovative air cleaning solution
Model: TADIRAN AIROW 3™
North America markets

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Safety

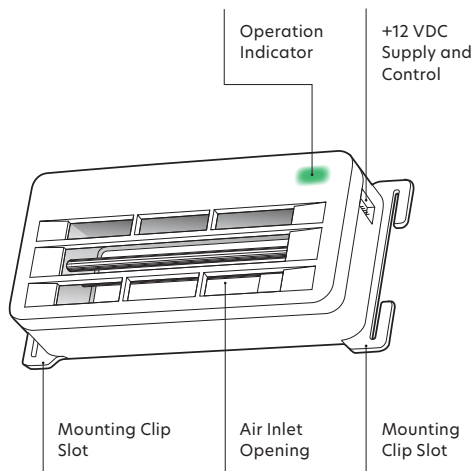
This appliance includes of a Class III Device and 100-240 Vac, 50/60Hz Power supply

- Only qualified and licensed HVAC technicians may install this device.
- The Class III Device is only to be used with the power supply unit provided with the appliance.
- The Class III Device must only be powered with short-circuit proof, safety extra low voltage (SELV) corresponding to the marking on the device.
- Appliance must only be supplied at SELV.
- Appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the device by a person responsible for their safety. Children should be supervised to ensure that they do not play with the device.
- Appliance is not intended to be installed as a stand-alone device. It is always installed in the indoor part of an air conditioner (the receiving equipment).
- This Class III installation manual is intended to provide all required instructions on how to install the purifier into the indoor part of an air conditioner.
- Verify that the installation is performed in accordance with the installation diagrams.
- Means for disconnection of the supply mains must be incorporated in the fixed wiring following the wiring rules.
- The mains to the DC power supply has a contact separation in all poles that provide full disconnection under overvoltage category III conditions, the means for disconnection is a quick disconnect mains plug.
- Note that the device contains metal parts that carry high voltage. **Never insert a finger or any other unprotected body part into the device! Use only isolated tools when servicing or testing the device!**
- **Caution:** This equipment should be inspected frequently and collected dirt removed from it regularly to prevent excessive accumulation that may result in flashover or a risk of fire. Please follow the installation procedure stated below.

Meet TADIRAN AIROW 3™

The TADIRAN AIROW 3™ device is designed to be implemented in High-Wall air conditioning systems, fan coils, heat pump PTACs, ductless mini splits and VRF. It is installed on the air inlet side of the coil, in the indoor unit.

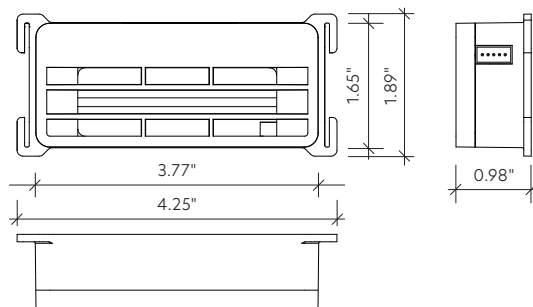
The following illustration outlines the TADIRAN AIROW 3 device.



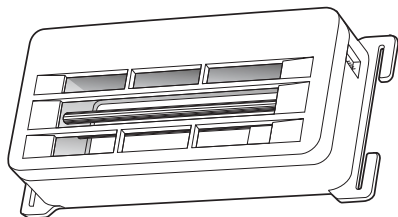
General Note: All figures shown in this manual are for reference only.

Device Specifications

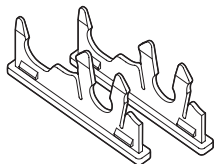
Parameters	Value
Weight	0.17lbs
Dimensions	3.77" x 1.65" x 0.98" (Net)
Housing Material	ABS Plastic, White Color
Operation Temperature	23°F-131°F
Operation Humidity (Non-Condensing)	20%-80%
Input Voltage	12 VDC $\pm$ 10%
Power Consumption	1 W Max
Power supply	TADIRAN, SOY-1200020F-458, Input:100-240Vac, 50/60Hz, 0.2A Max. Output: 12.0Vdc, 0.2A 2.4W
Indication LED	Green - Proper Operation Red - Failure
Maintenance	Zero Maintenance
Ozon Emission	$\leq$ 5 ppb
Hydrogen Peroxide Level	$\leq$ 15ppb



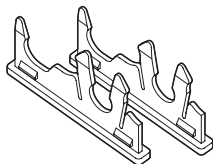
Included Parts



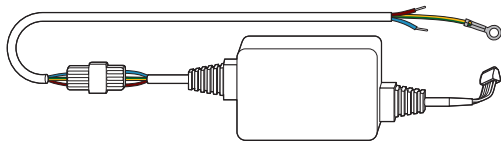
TADIRAN AIROW 3™ Device



Mounting Clips for (13/64)"
Tube Coil



Mounting Clips for (9/32)"
Tube Coil



Power supply: TADIRAN, SOY-1200020F-458, Input: 100-240Vac,
50/60Hz, 0.2A Max. Output: 12.0Vdc, 0.2A 2.4W



Safety sticker

NOTE!

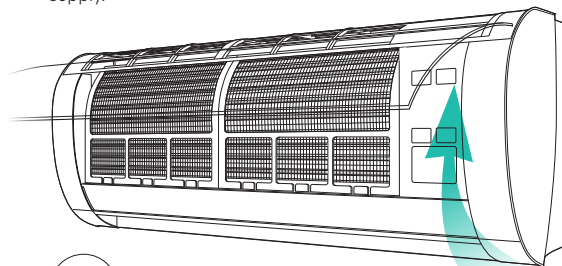
Only qualified and licensed HVAC technicians may install this device. The TADIRAN AIROW 3 device, power supply and additional accessories should be disconnected from any electric supply when touching their surface or inner parts. Tadiran will not be liable for any loss or damage in any case of misuse or installation by a non-qualified person or not in compliance with the directions included in this manual. Tadiran does not claim that the TADIRAN AIROW 3™ will ensure consumers using the device will not contract biological pathogens. Consumers should continue to follow guidance from governmental health organizations and certified health professionals about preventative measures.



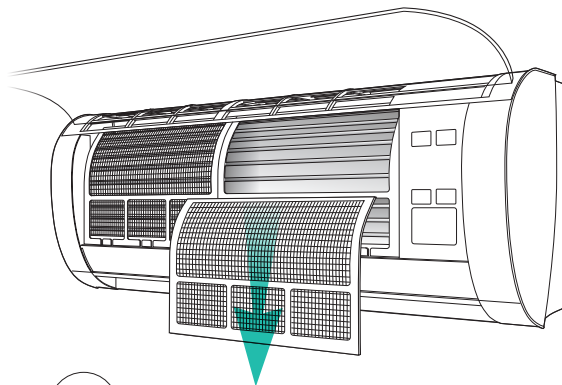
Disconnect the mains supply of the air conditioner before performing the installation or before servicing the device.

Installation

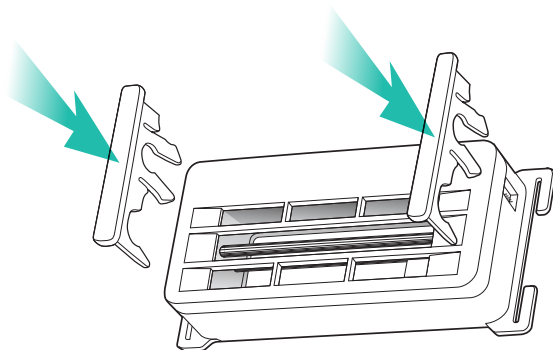
Before Installation, unplug the air conditioner from the mains supply.



1 Open the indoor unit's front panel.

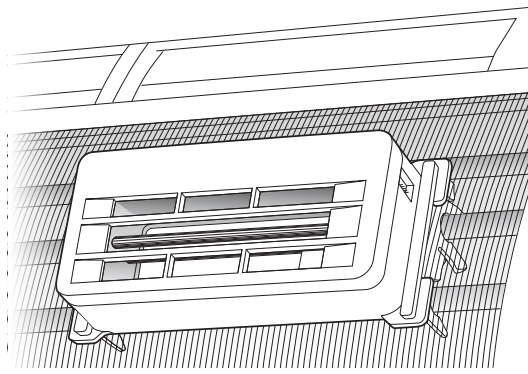


2 Remove the air filter.



3

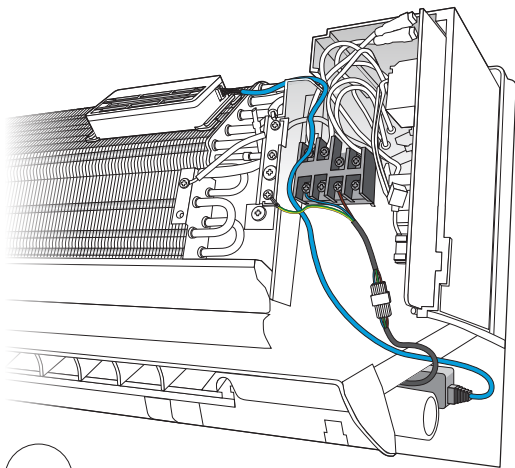
Insert the proper installation clips (13/64") or (9/32"), on both sides of the unit as shown in the drawing above.



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Mount the TADIRAN AIROW 3™ device, using the mounting clips, onto the indoor unit's coil, at the upper right corner of the coil.

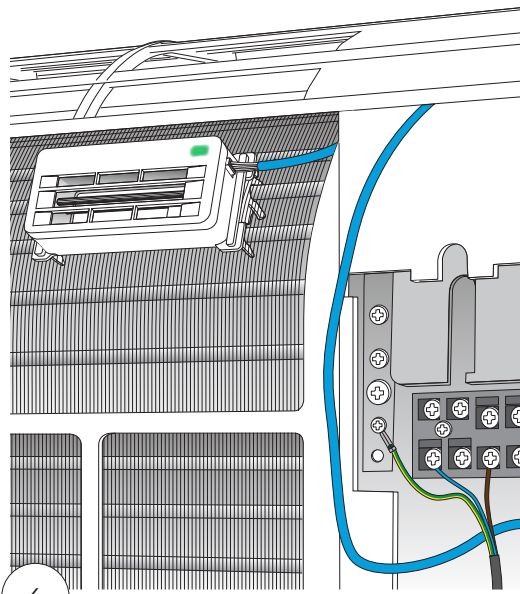
Verification



5

After the unit is installed on the coil, disassemble the front panel of the indoor unit.

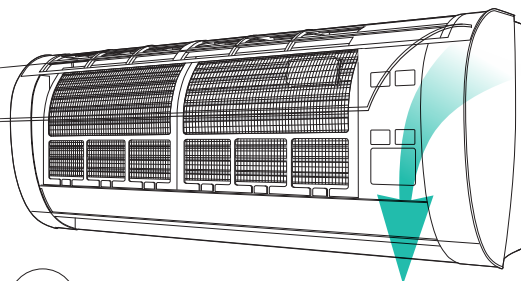
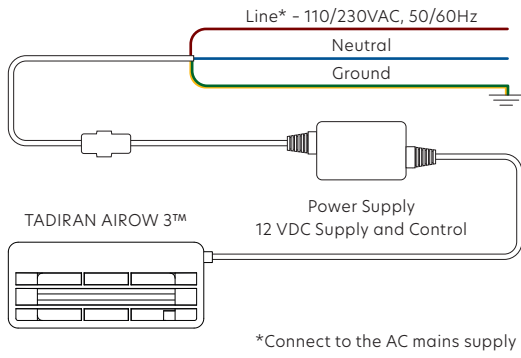
- Mount the power supply in the back of the indoor unit.
- Connect the plug of the DC cable of the power supply to TADIRAN AIROW 3™ unit.
- Connect the AC cable of the power supply to the terminal block of the indoor unit.
Brown wire: To the AC mains supply.
Blue wire: To the neutral terminal.
Yellow & Green wire: To ground.
- Reassemble the front panel.



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- Plug the air conditioner to the mains supply and turn on the air conditioner.
- The green LED indicator on the TADIRAN AIROW 3™ lights up, indicating normal device operation.
- Place the safety sticker in a visible and accessible location, near the terminal board.

The following is a diagram of the electrical connections, describing the TADIRAN AIROW 3™ connections to the terminal block of the indoor unit.



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Place the air filters back.
Close the front panel.

Installation is Completed!

Note: The working unit might have some minor sound of corona discharge current.

Air Safe Zone



Any Space Can be a Safe Place

Indication for Use

This product is not a medical device and is not intended to be used as a medical device or to cure any disease or condition, nor should it be used in the mitigation, treatment, or prevention of any disease or condition.

Legal Notice

Only qualified and licensed HVAC technicians may install this device. The TADIRAN AIROW 3™ device, power supply and additional accessories should be disconnected from any electric supply when touching their surface or inner parts. Tadiran will not be liable for any loss or damage in any case of misuse or installation by a non-qualified person or not in compliance with the directions included in this manual. Tadiran does not claim that the TADIRAN AIROW 3™ will ensure consumers using the device will not contract biological pathogens. Consumers should continue to follow guidance from governmental health organizations and certified health professionals about preventative measures.

Patent Information



Air disinfection apparatus for use in air conditioning systems:

Israeli Patent Application No. 298651

US Patent Application No. 18/218,697

Chinese Utility Model No. 202321789964.X

Chinese Patent Application No. 202310833949.9

Apparatus and method for air treatment:

Israeli Patent Application No. 301347

US Patent Application No. 18/218,695

Chinese Utility Model No. 202321788467.8

Chinese Patent Application No. 202310835495.9



Conforms to UL
Std 867
Certified to CSA
Std. C22.2#187
5021611

Assembled In Romania

Warranty

For warranty information about this or any Field Controls product, visit
www.fieldcontrols.com/warranty

Field Controls Customer Service
252-522-3031

For more information, including specifications, laboratory test results, and additional resources, please visit

our website

www.fieldcontrols.com/airow3





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