Ionization Products

August 18, 2021

Agenda

- RTU/AHU products
- Duct mounted devices
- Room/Stand alone device
- Sensing product
- Products with iAIRE patented technology

RTU/AHU products

- Ion block
  - Installed in
    - AHU
    - RTU's
    - VRF
    - Ductless splits
  - Can handle up to a 2,500 CFM per block in standard environments
  - iAIRE ion block has similar ion output to GPS-48
  - Smoking/kitchen environments should only utilize ½ the rated CFM
  - 24 V, 115 V, 230 V power

RTU/AHU products

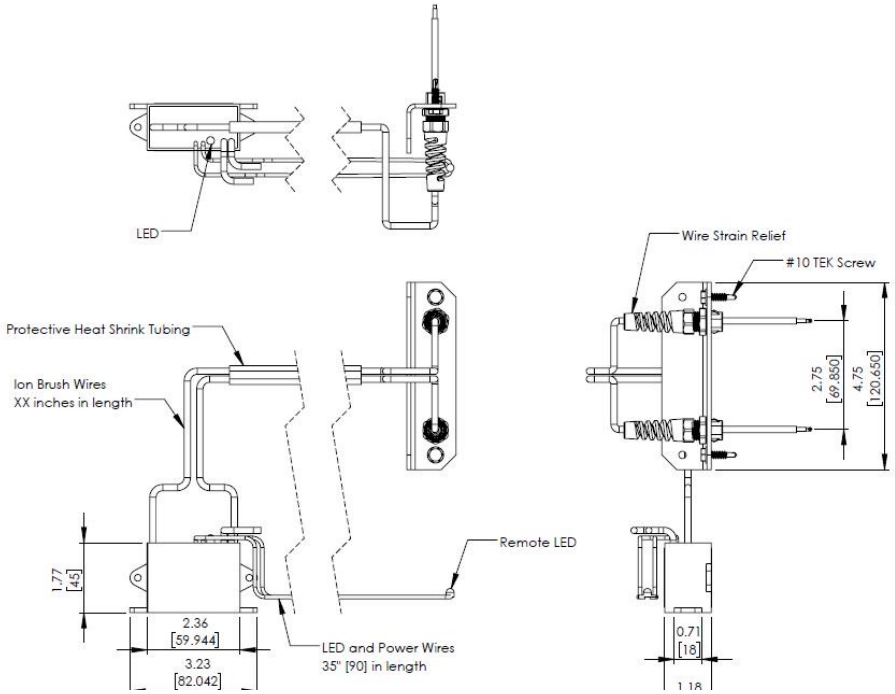
- Ion kit
  - iAIRE will provide the appropriate # of ion blocks, mounting brackets, screws and a VOC sensor for field installation in customer HVAC units from 2 – 200 tons.

RTU/AHU products

- Ion installation
  - iAIRE will install the Ion Kit into a customer provided unit.
  - Units are 2 – 60 tons

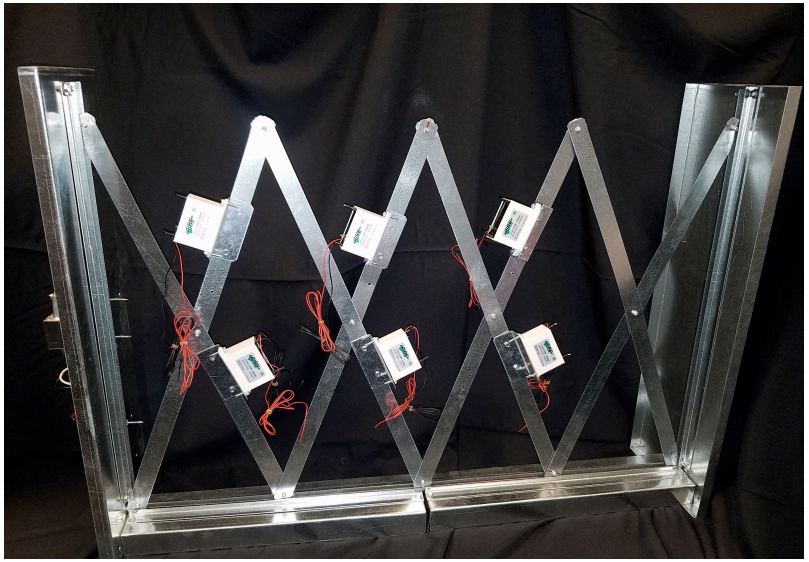
Duct mounted devices

- Ion Duct
  - Designed to be installed in ductwork or into a blower housing
  - 5–30 V, 208/230 V
  - Single iAIRE block has same ion output as GPS-48
  - Product is 78% Made in the US and complies with the Made in America Act



Duct mounted devices

- Ion array
  - Designed to be installed in ductwork
  - 2 stock grid sizes
    - 1 - 6 blocks
    - 6 – 13 blocks
  - Custom arrays can be sized for any size duct or CFM
  - VOC sensor included to provide feedback letting you know ionization is working
  - Can work from 115 – 460 V



Room/Standalone Products

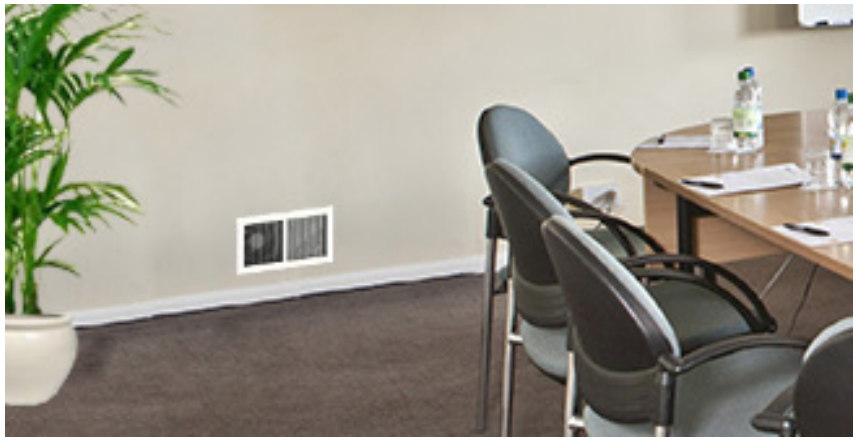
- Stand alone Purifier
  - Designed to plug into a standard wall outlet
  - Product is 61% Made in the US and complies with the Made in America Act
  - Quiet fans
  - Portable
  - Built to clean between 3,000 – 9,000 cubic feet of space
  - Can add hanging kit (usually used for basement or crawl space when dealing with Radon)

Room/Standalone Products

- Ceiling Diffuser
  - Designed to drop into a 2 x 2 ceiling grid
  - Multiple fan sizes
  - Quiet fans
  - Not tied to HVAC system
  - Built to clean between 3,000 – 9,000 cubic feet of space

Room/Standalone Products

- Register Purifier
  - Designed to fit into 2 x 4 stud wall
  - Multiple fan sizes
  - Quiet fans
  - Not tied to HVAC system
  - Built to clean between 3,000 – 9,000 cubic feet of space



Standalone Products

- Clip on purifier
  - Designed to clip onto fan
  - Normally for the fire/disaster restoration market
  - Clean airs
  - Eliminates odors
  - Comes with “piggy back” plug so multiple units can be tied together

Sensors

- Space VOC sensor
- This lets customers know if the air is clean or dirty
- Better method to assure space is clean than measuring ions

Sensors

- Duct VOC sensor
- This lets customers know if the air is clean or dirty
- Better method to assure space is clean than measuring ions

Sensors

- Space CO_2 sensor
- This lets customers know occupancy in the space

Sensors

- Space Particulate (PM) sensor
- This lets customers know amount of specifically sized particles in the space

Sensors

- Duct Particulate (PM) sensor
- This lets customers know amount of specifically sized particles in the space

Sensors

- Space IAQ sensor
- Includes
  - VOC
  - CO_2
  - PM
  - Temperature
  - Humidity
- This lets customers know total air quality in the space

Sensors

- Duct IAQ sensor
- Includes
  - VOC
  - CO_2
  - PM
  - Temperature
  - Humidity
- This lets customers know total air quality in the space

Patented technology

- Controls package
  - Package includes
    - economizer controller
    - Ion blocks
    - CO_2 sensor
    - VOC sensor
  - 3 standard sizes
    - 2 - 6 ton
    - 6 - 15 ton
    - 15 - 30 ton
  - Provides feedback and damper control to maintain appropriate amount of outside air in monitored space
  - Have ability to tie to Carrier RTU-Open controller

Patented technology

- Field installed economizer packages
  - Package includes
    - Economizer damper
    - 24 V actuator motor with feedback
    - economizer controller
    - Ion blocks
    - CO_2 sensor
    - VOC sensor
  - Sized for 2 - 25 ton units
  - Manufacturers includes:
    - Carrier
    - Trane
    - JCI/York
    - Lennox

Patented technology

- Since iAIRE's patent is a process patent, iAIRE would be able to work out a licensing agreement to allow this methodology to be used on someone else's controller or building management system.