Need Help?

1-877-548-9722

9 AM – 6 PM, CST, Monday – Friday

Dernier & Hamlyn Inc.
720 Northgate Parkway
Wheeling, IL 60090

*The Sciaire Pro H100/H110 uses PlasmaShield Technology.

**Dispose used products according to local regulations.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

RECOGNIZED COMPONENT
Intertek

VERIFIED ZERO OZONE
MEETS UL 2998
DOES NOT EMIT MORE THAN 0.005 PPM AS TESTED PER UL 867

0300 373 0739

9 AM – 5 PM, Monday – Friday

Dernier and Hamlyn Products Ltd.
201 Hollymoor Way, Rubery
Birmingham B31 5HE
United Kingdom

*The Sciaire Pro H100/H110 uses PlasmaShield Technology.

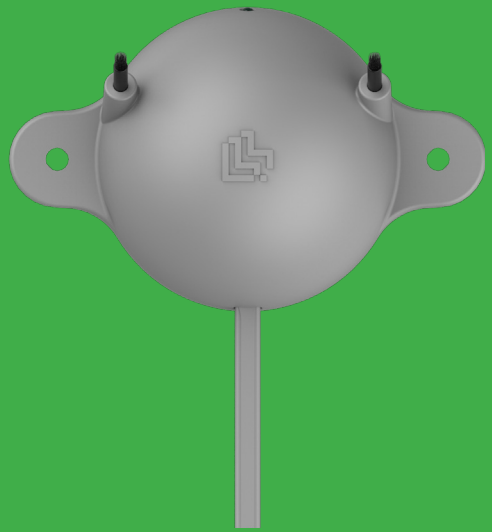
**This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about how to recycle your DH Lifelabs supplied products for recycling, please contact our Customer Services Department on 0300 373 0739 or visit https://dhlifelabs.co.uk.

MADE IN CHINA

DH Lifelabs™

Sciaire Pro H100/H110

INSTRUCTION MANUAL



Your safety is important to us.

Read all safety instructions before you use the device.

WARNING! TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY PLEASE ADHERE TO THE FOLLOWING:

- DO NOT connect to power before installation is complete.
- Always disconnect power to the air ion generator before handling.
- All field wiring needs to be in accordance with NEC and Authorities Having Jurisdiction (AHJ). (For US market) / All wiring needs to be in accordance with the current I.E.E. Regulations, or the appropriate standards of your country and MUST be installed by a suitably qualified person. (For UK market)
- It is recommended that surge protection be installed with this air ion generator at the equipment level, building level, or circuit breaker panel feeding the product.
- If a step-down transformer is used to feed the air ion generator, the transformer must be grounded.
- Do not install the air ion generator on the same circuit as a UV Lamp or connect to the same transformer as a UV Lamp.
- Connect power to the air ion generator using appropriate voltage.
- For best results interlock air ion generator with fan power.

- The installer shall provide a power source that is properly grounded per the local AHJ. (For US market) / Ensure that the mains supply (Voltage, Frequency) complies with the rating label. (For UK market)
- Apply power to unit. Confirm that green indicator light illuminates showing that the air ion generator is on and functioning properly.

RISK OF ELECTRIC SHOCK

- These servicing instructions are for use by qualified personnel (an authorised electrician) only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved.
- Children shall not play with the device.
- Cleaning and user maintenance shall not be made by children without supervision.
- The supply wiring cannot be replaced. If the wiring is damaged the device should be scrapped.

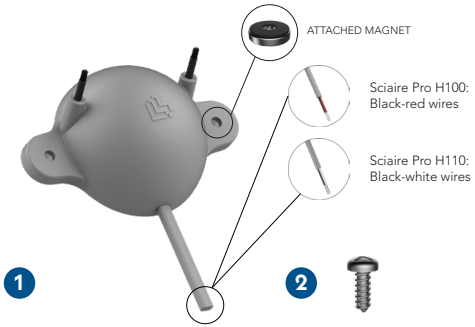
Read all safety instructions in the instruction manual, and on device.

SAVE THESE INSTRUCTIONS.

Product Description

Sciaire Pro H100/H110 is a carbon fiber brush output air ion generator producing positive and negative ions. Sciaire Pro H100/H110 is self-contained in a potted enclosure which has molded flanges with mounting holes. These models are able to accept 12-24V DC/AC or 100-240V AC without the use of an external power supply.

Product Overview

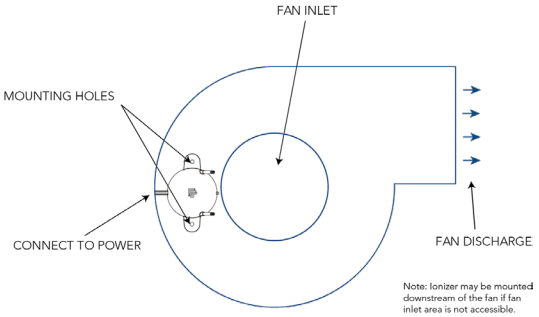


1. Air Ion Generator
2. ST4.2 Screw (x2)

Installation

WARNING: DO NOT CONNECT TO POWER BEFORE MECHANICAL INSTALLATION IS COMPLETE. ALWAYS DISCONNECT POWER BEFORE HANDLING.

1. Mount Sciaire Pro H100/H110 in a location with general maintenance access. Ensure the brush tips are not within ¾" of any metallic surface to prevent arcing.
2. Mount the air ion generator at or near the fan inlet using the holes in the mounting flanges, ensuring that the air stream flows over the 2 brush tips simultaneously. See graphic overleaf for reference.
3. The device should be mounted downstream of the filter.
4. Avoid locations directly after a cooling coil or humidifier.
5. Exit ducts are recommended to install a group of air ion generators every 787 inches (20 meters) to ensure ion concentration.
6. Add a group of air ion generators in the middle near the outlet with 39-79 inches (1-2 meters) distance to ensure the concentration of ions in the room.



NOTE: You can magnetize the air ion generator by the magnets on the mounting flanges to attach on the air system.

Electrical Installation

WARNING: DO NOT CONNECT TO POWER BEFORE INSTALLATION IS COMPLETE. ALWAYS DISCONNECT POWER (INCLUDING LIVE AND NEUTRAL CONDUCTOR) TO THE UNIT BEFORE HANDLING THE AIR ION GENERATOR.

1. All field wiring to be in accordance with NEC and Authorities Having Jurisdiction (AHJ). (For US market) / All wiring needs to be in accordance with the current I.E.E. Regulations, or the appropriate standards of your country and MUST be installed by a suitably qualified person. (For UK market)
2. It is recommended that surge protection be installed with this air ion generator at the equipment level, building level, or circuit breaker panel feeding the product.
3. If a step-down transformer is used to feed the air ion generator, the transformer must be grounded (recommended 20 VA minimum).
4. **Do not install the air ion generator on the same circuit as a UV Lamp or connect to the same transformer as a UV Lamp.**
5. Connect power to the air ion generator using appropriate voltage.
6. The installer shall provide a power source that is properly grounded per the local AHJ. (For US market) / Ensure that the mains supply (Voltage, Frequency) complies with the rating label. (For UK market)
7. For best results interlock air ion generator with fan power.
8. Apply power to the device. Confirm that green indicator light illuminates indicating that the air ion generator is functioning properly.

Operation

1. When power is supplied to the air ion generator, the air ion generator will be activated, and the green ion indicator LED will illuminate.
2. The ionization unit is self-balancing and does not require any type of adjustment.

Sequence of Operation

For units that are interlocked with the supply fan control, the BAS controls the start/stop of the air conditioning unit supply fan.

Device Specifications

Model	H100-24GR	H110-240GR
Input Voltage	12-24V DC /AC, 50/60Hz	100-240V AC, 50/60Hz
Power Consumption	<1W	<2.2W
Input Current	60mA	30mA
Fuse Rating	250V / 500mA	
Humidity Range	0%~85%	
Temperature Range	-4˚F–140˚F (-20˚C–60˚C)	
Dimensions (HxWxD)	3.70 x 2.36 x 1.18 in (94 x 60 x 30 mm)	
Lead Wire Length	39 in (1m)	
Net Weight	0.27lbs (121g)	
Airflow	Up to 2,400 CFM (6 tons)	
Compliance & Certifications	UL 867, CSA C22.2# 187, UL 2998, CARB; UKCA, CE, REACH, RoHS, WEEE	

Troubleshooting

If the device is not working, check the following:

1. The supply fan is running and the green LED illuminates.
2. Verify all power input connections to Sciaire Pro H100/H110 are correct and tightened. Reconnect any loose wires as necessary.

For issues not covered here, please contact DH Lifelabs customer support.

Maintenance

1. The Sciaire Pro H100/H110 was designed for low maintenance. Inspect the air ion generator brushes for dirt at least every six months. If the carbon fiber brushes are dirty, follow the cleaning instructions below:
   - Disconnect power.
   - Use compressed air or a small brush to remove any accumulated dust on the bristles of the brushes. Avoid brushes with metal bristles as these could damage the device.
   - Reconnect power.
2. Inspect the LED light for dirt which can make the light hard to see. If dirt is present, wipe the LED with a small alcohol towelette.

Product Registration

dhlifelabs.com/product-registration
The information provided in this manual is up to date at the time of printing. Any revisions to this document will supersede the content included. For the latest applicable version of this manual, visit **dhlifelabs.com**.

dhlifelabs.co.uk/warranty-registration/
The information provided in this manual is up to date at the time of printing. Any revisions to this document will supersede the content included. For the latest applicable version of this manual, visit **dhlifelabs.co.uk**.