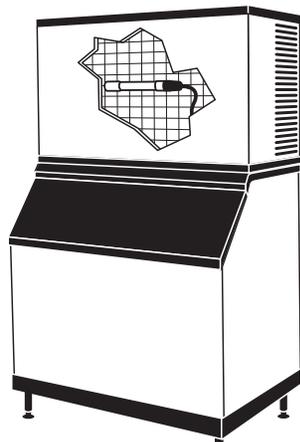


# FRESH-AIRE ICE UV™

## Germicidal UV Light For Ice Machines Installation Instructions

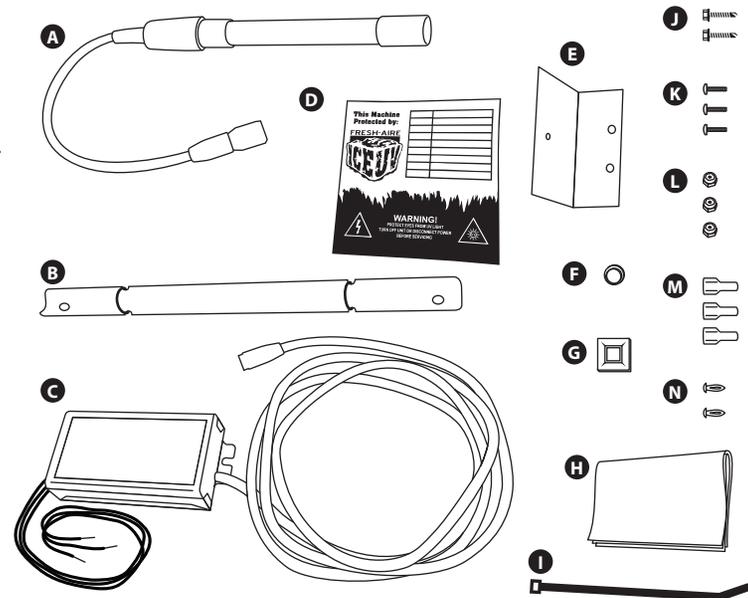
Fresh-Aire Ice UV fights mold growth and bacteria in ice making machines. It extends the life of the ice machine by reducing microbial growth, lowers maintenance costs by extending the time between cleanings and results in cleaner, healthier ice.



Fresh-Aire Ice UV installed in ice machine

### Parts Included

- A Ice UV Lamp
- B Lamp Shield
- C Power Supply
- D UV Warning Sticker
- E Mounting Bracket
- F Sight Glass 0.5"
- G Zip Tie Base
- H Adhesive Vinyl
- I Zip Tie
- K Bolts
- L Locking Nuts
- M Connectors
- N Plastic Rivets



### IMPORTANT!

- Only qualified technicians should install this product
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings

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TUV-ICE-MAN 8.24.12



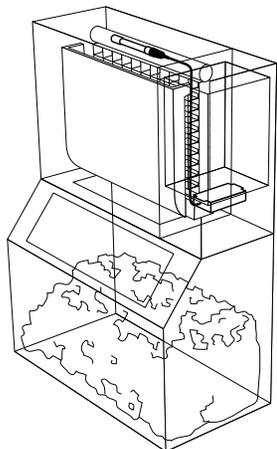
**WARNING**  
PROTECT EYES FROM UV LIGHT  
TURN OFF UNIT OR DISCONNECT  
BEFORE SERVICING



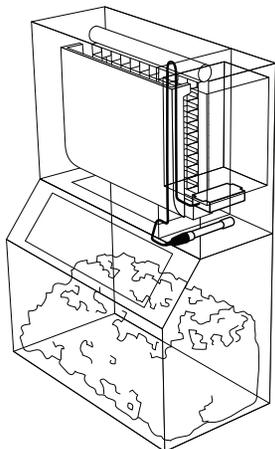
## 1 Determine UV Lamp Mounting Location

There are many different ice making machines so there is no single "right" Ice UV mounting location. To determine the best location for your ice maker start by looking for areas of mold growth and choose a position for the UV lamp that will provide maximum exposure to that area. Consider using Ice UV Dual (DT) for 600 lb. or larger ice makers.

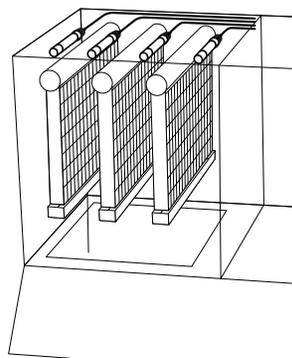
Some Typical Ice UV Mounting Locations



Mount on lid between evaporator and deflector



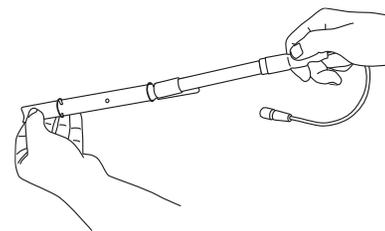
Mount over ice collection bin (good second Ice UV lamp location) use with optional interlock switch



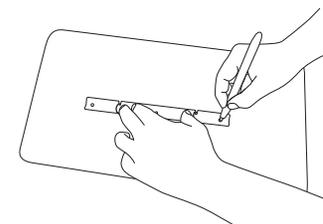
Install multiple Ice UV kits (combine single and dual as needed) into larger ice makers for complete coverage

## 2 Mount UV Lamp

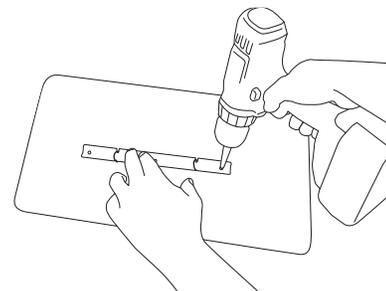
After the mounting location is determined the UV lamp(s) can be mounted. First remove the metal shield then mount the shield using self-tapping screws.



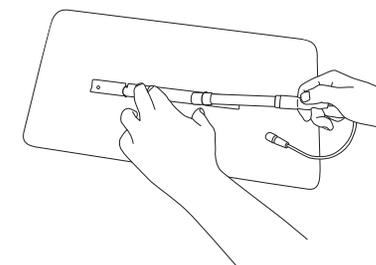
1. Remove UV lamp from shield



2. Use shield to mark screw holes



3. Mount shield with self-tapping screws

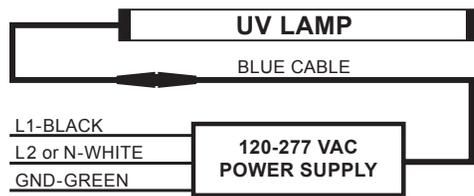


4. Replace lamp onto shield

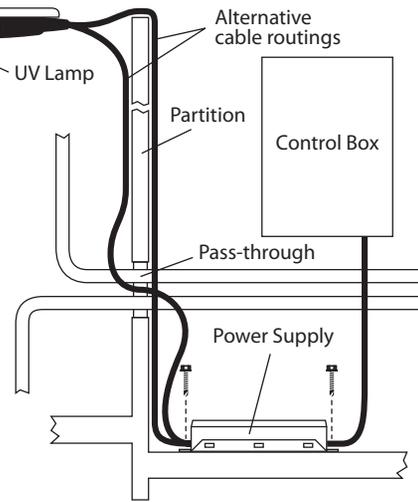
### 3 Power Supply Installation

Mount the power supply near the control box. Whenever possible avoid drilling holes by passing wires over interior partitions or through refrigerant pass-through areas. Use the wiring diagram below to connect to 120-277 VAC power. Use zip-ties to dress cables.

#### 2. Wiring Diagram



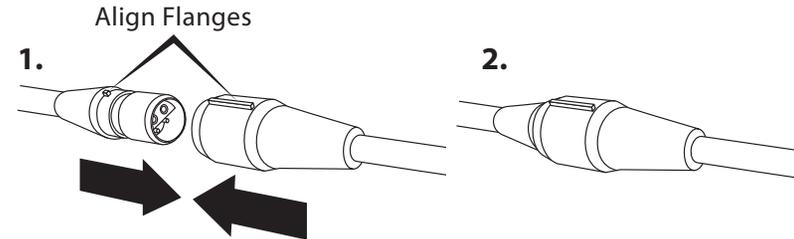
#### 1. Power Supply Mounting



**IMPORTANT!**  
Connect to constant power.  
Do not cycle UV light on and off.  
Cycling will reduce the life of the UV lamp and limit effectiveness.

### 4 UV Lamp Connection

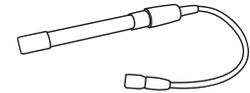
1. When all the other components are properly installed connect the UV Lamp cable to the Power supply cable.
2. Make sure the flanges are aligned and then push the connectors firmly together. A tight connection ensures a proper water-resistant seal.



### 5 Lamp Replacement

The germicidal UV lamp in ICE UV® needs to be replaced every 2 years. Note: UV lamps will continue to emit visible light but lose germicidal effectiveness over time.

Replace UV lamp with TUVL-ICE

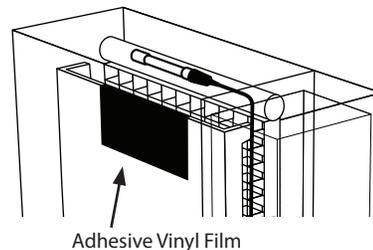


**Note:** Use of replacement UV lamps other than Fresh-Aire UV® voids warranty.  
**Caution:** UV lamps contain small amounts of mercury - dispose of lamps in accordance with local environmental regulations. For more information visit [www.lamprecycle.org](http://www.lamprecycle.org)

### 6 Protective Adhesive Vinyl Film

In most cases the UV-C light from Ice UV is not strong enough to damage the plastics inside the ice machine but some discoloring may occur. This can be prevented by using the protective adhesive vinyl film provided.

1. Areas closest to the UV light will be the most prone to discoloration. Cut the vinyl to fit the area of concern.
2. Remove the adhesive backing and press into place.



### 7 Sight Glass Installation

The sight glass indicates that the UV light is working to prevent accidental exposure.

1. Find a suitable location on the outside of the ice machine near the UV Lamp installation and drill a 1/2" hole.
2. Press the sight glass into hole.
3. Turn on the power and use the sight glass to confirm that the UV Lamp is operating.



#### Limited Warranty:

This warranty supersedes and replaces any warranty statements orally made by the Sales Person, Distributor or Dealer or contained in the written instructions or other Brochures or informational documents in relation to this product. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Manufacturer warrants the Ice UV to be free from defects in material and workmanship under the normal use and service when operated and maintained in strict accordance with manufacturer's instructions for one (1) year from the date of purchase of equipment, including the Ultraviolet Lamp (Part# TUVL-ICE), which is warranted for UV germicidal output for two (2) years. The UV lamp warranty does not cover cracked or broken lamps due to mishandling or improper application.

Manufacturer's obligation under this warranty is being limited to repairing or replacing any part found to its satisfaction to be so defective. This warranty does not cover parts damaged resulting from misuse, abuse, or any other than its intended use, accident, neglect, or from improper operation, maintenance, installation, modification or adjustments. Triatomic Environmental, Inc. shall have no responsibility for charges incurred by the customer for installation or removal of warranted items.

This warranty does not cover parts or equipment used with the Ice UV that are not made by the Manufacturer, since these items are covered by warranties of the respective manufacturer. This warranty shall be void if UV lamps from manufacturer's other than Triatomic Environmental, Inc. are used with this equipment.

Manufacturer assumes no liability for any harm, which may occur as a result of the use of the equipment herein and shall not be liable for consequential or any other damages whether or not caused by manufacturer's negligence or resulting from any express or implied warranty or breach thereof. Consequential damages for the purpose of this warranty shall include, but not be limited to, loss of use, income or profit, or loss of or damages to property or injury or death to persons or animals occasioned by or arising out of operation, use, the operation, installation, repair or replacement of the equipment or otherwise.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF