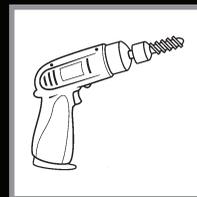
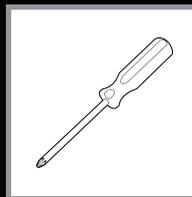
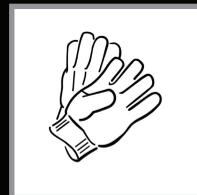
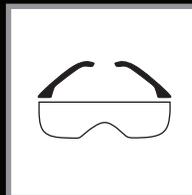




**ENGLISH**

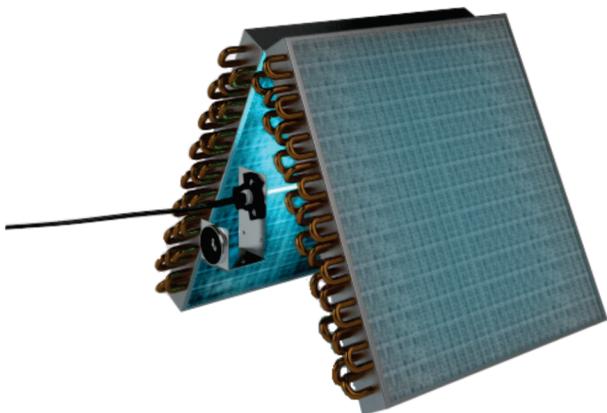


**WEAR SAFETY GLASSES AND GLOVES  
FOLLOW ALL SAFETY CODES**

**SERIAL NUMBER**

**DATE INSTALLED**

**INSTALLER'S CONTACT INFO**



## WARNING

Before installing or performing maintenance or service on the purifier, turn off the main power switch to the unit. Electrical shock can cause injury or death. There may be more than one disconnect switch.

## WARNING

Never expose eyes or skin to ultraviolet light from any source. The purifier **MUST BE DISCONNECTED** from any power source before maintenance or service is performed. Personal injury may result if the purifier is not disconnected from power before maintenance.

## WARNING

Do not touch the lamp glass without gloves; it may reduce performance of the lamp. Clean the lamp after handling.

## WARNING

The UV Lamp contains a small quantity of mercury. If a lamp breaks, clean and dispose of with care.

## WARNING

Use only specified replacement lamps with your purifier. Use of an incorrect lamp may result in damage to both the purifier and the lamp.

# Clear Blue® Advanced Installation Instructions

**1. IMPORTANT: Disconnect power to the HVAC unit before beginning installation. The ballast should never be connected to an intermittent circuit (i.e the fan/compressor relay). It is designed to operate continuously in order for the UV to maintain surface disinfection. Additionally, cycling the ballast on/off may destroy the ballast, void its warranty and drastically reduce the life of the UV Lamp.**

2. Remove the ballast, brackets and UV Lamp from the packaging.

3. Locate the ballast so that there is sufficient cable to attach to the UV lamp when it is installed.

4. The two-piece lamp bracket is used to hold the UV Lamp. Depending on the type of coil and the location of the UV light on the coil, determine if one or both pieces of the bracket should be used. The UV Lamp can be installed either with the lamp on top of the coil or with the lamp inside the coil.

5. The Main Bracket can be mounted to the side of the coil allowing the UV Lamp to be inserted either over or in-between the coil. Drill a 1" diameter hole in the sheet metal to allow the UV Lamp to pass and mount the Main Bracket to the side of the coil using the two included sheet metal screws. Once installed, use the black plastic Lamp Retaining Ring to lock the UV Lamp in place and tighten the three screws.

## Use of the Magnetic Multi-Bracket

*The Magnetic Multi-Bracket allows for various lamp installations. Inspect the ideal location for the UV Lamp System and use the Main Bracket and Magnetic Multi-Bracket together, if desired.*

6. Connect the plug into the UV Lamp pins. The plug is designed so that it can only be installed one way. You may have to rotate the socket 90° to line up the pins with the holes.

7. Connect the black and white wires to the 24V terminals on the HVAC equipment.

8. Reconnect power to the HVAC unit.

## Ballast Operation / Hard & Soft Reset

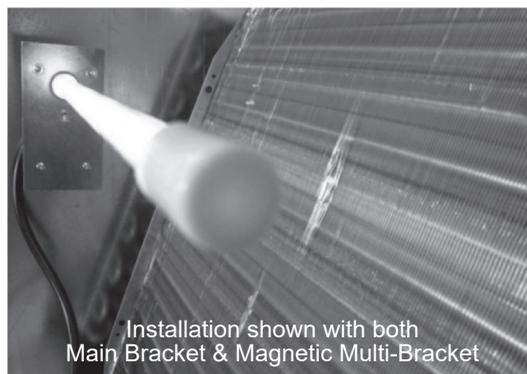
Once the power has been reconnected, the Ballast LED will illuminate as well as the UV lamp. In the event that the LED status light is OFF, there is either no power going to the ballast, or the ballast has failed. If the LED flashes once, the system is under voltage (<18V). If the LED flashes twice, the system is over voltage (>32V). If the ballast indicates under or over voltage, an external 24VAC/40VA transformer must be used to power the ballast, in order to protect the furnace's transformer as well as the ballast. If the LED flashes three times, the lamp has expired. If the LED flashes four times, the UV lamp is bad. Once the UV lamp has been replaced, hold the RESET button for three seconds (Hard reset) to reset the counter.

The RESET button is used to reset error codes (Soft reset) and reset the 1-year lamp counter (Hard reset). A Hard reset should only be performed upon replacing a lamp. To perform a Soft reset, quickly press and release the RESET button. To perform a Hard reset, press and hold the RESET button for a minimum of three seconds.

## Maintenance

Disconnect the power before performing any maintenance or service. The UV Lamp should be cleaned every two to three months. To clean, disconnect the white socket from the lamp, then loosen the three screws on the retainer ring. Turn the retainer ring left and pull out the UV Lamp while leaving it in the retainer ring. Wipe the UV Lamp with a soft tissue and isopropyl alcohol. Reverse the above procedure to reinstall the UV Lamp. Lamps need periodic replacement in order to maintain design specifications. Replace lamps after one year of operation. Follow instructions for Ballast Operation (above) on how to reset the timer feature. Contact a local dealer for replacement lamps.

DIAGNOSTIC INDICATOR FLASH CODES		RESET
# OF FLASHES	DESCRIPTION	TYPE
1	Low Voltage (<18V)	SOFT
2	High Voltage (>32V)	SOFT
3	Lamp Expired	HARD
4	Bad Lamp	SOFT
ON	Normal Operation	-
OFF	No Power or Replace Ballast	-



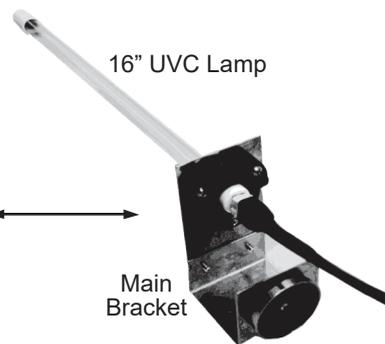
Installation shown with both  
Main Bracket & Magnetic Multi-Bracket



Ballast



Lamp  
Retaining  
Ring



16" UVC Lamp

Main  
Bracket

Magnetic Multi-Bracket

**WARRANTY:** This product has a five year warranty on the ballast, one year on the lamp, three years on the fixture and is subject to the conditions stated on the website.

[www.universaluvsolutions.com](http://www.universaluvsolutions.com)  
[info@universaluvsolutions.com](mailto:info@universaluvsolutions.com)