



ER-UV14-24V UVC Lamp

Installation & Maintenance Instructions

UNPACKING THE UNIT

Each lamp is shipped with the germicidal lamp placed in a box with protective packaging. When handling the lamp take care to not touch the glass portion of the lamp with bare hands. Oils from the hands can cause “hot spots” which reduce lamp life. Handle by the socket end or use a soft cloth. If you accidentally touch a lamp, clean it using the included alcohol cleaning pad or a soft cloth dampened with rubbing alcohol. The lamp is fragile and proper care must be taken when removing from packaging.

The following parts are included:

- Power Supply with remote lamp assembly
- One (1) 14” Germicidal Lamp (packed in lamp box)
- Two (2) caution labels
- Installation & maintenance instructions
- Magnetic Z bracket
- Eight (8) Sheet Metal Screws
- Alcohol pad for cleaning lamps

IMPORTANT: SAFETY INSTRUCTIONS

IMPORTANT: Instructions de sécurité

When installing and using this electrical equipment, basic safety precautions should always be followed including the following:

1. READ AND FOLLOW ALL INSTRUCTIONS.

2. Always be sure the unit is unplugged during installation or service procedures.

3. The ultraviolet light produced by the UV lamp is harmful to your eyes. Do not look directly at the lamp. Should it become necessary to view the lamp, use UV-protected goggles.

Lors de l’installation et de l’utilisation de cet équipement, des précautions devront être suivies.

1- Lire et suivre les étapes attentivement.

2- Assurez vous de toujours débrancher avant l’installation ou le service.

3- La lumière ultraviolette, produite par la lampe UV est nocive pour vos yeux. Ne regardez pas directement la lampe. Si, il devient nécessaire d’afficher la lampe, utiliser des lunettes de protection UV.

INSTALLATION:

- Do not locate the unit within 20” of plastic material that will be directly exposed to the UV light, such as wiring, return-side humidifier or certain types of air filters. Check with the filter manufacturer to see if their material is UV resistant. Over time, UV light may degrade plastic.
- Do not touch the glass portion of the lamps with bare hands because oils from the hands can cause “hot spots” which reduce lamp life. Handle either by the porcelain caps or use a soft cloth. If you accidentally touch a lamp, wipe it off, using a soft cloth dampened with rubbing alcohol.

INSTALLING THE UV LAMP USING THE MAGNETIC Z BRACKET

1. Find a suitable cool, dry location for the ballast making sure supply cord to ballast will reach 24 volt power supply and that lamp connector can reach the desired lamp mount area.
Do not mount in unvented panels or install in environments that will exceed 160 degrees fahrenheit or will expose the ballast to moisture.
2. Drill a 1/2” hole on the air duct near your desired lamp mount location.
3. Taking care not to touch the glass, hold the lamp by the plastic end and insert fully into the magnetic Z bracket and secure with lamp holder. (See photos 1 & 2)
4. Unplug mid cord connector and insert the moisture resistant lamp socket onto lamp.
5. Route lamp power supply cord through drilled hole from step #2.
6. Place the lamp with magnetic Z bracket into position inside duct and re-connect the mid cord connectors.
7. **Adhere included UV warning label onto ductwork within six inches of the UV lamp.**

INSTALLING THE UV LAMP ON SHEET METAL

1. Drill a 7/8” hole on the air duct in a suitable location.
2. To convert the magnetic Z bracket into a duct mounting plate, carefully cut or break off the lamp mount portion of the magnetic Z bracket.
3. Center the lamp mounting plate on hole.
4. Use four self tapping screws provided to secure mounting plate on the sheet metal.
5. Taking care not to touch the glass, hold the lamp by the plastic end and insert fully into the mounting plate and secure with lamp holder.
6. Find a suitable location to mount the ballast making sure supply cord to ballast will reach 24 volt power supply. Mount the ballast using two self-tapping sheet metal screws provided.
7. Insert the moisture resistant lamp socket onto lamp.
8. **Adhere included UV Warning Label onto ductwork within six inches of the UV lamp.**

WIRING

The ballast operates with 24 volts. Do not cycle the germicidal lamp with the furnace blower. You must allow unit to run continuously. Wire the unit in accordance with local wiring codes.

IMPORTANT! Systems with high 24 VAC loads may require the installation of a separate 24 VAC transformer to power the UV light. Draws 16 VA. You may need to do load calculation: Volts under load X Amps under load.

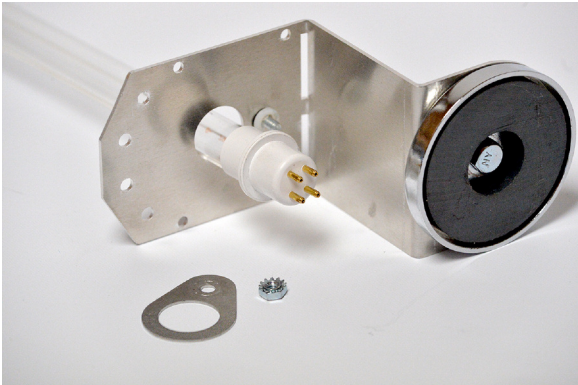


Photo 1

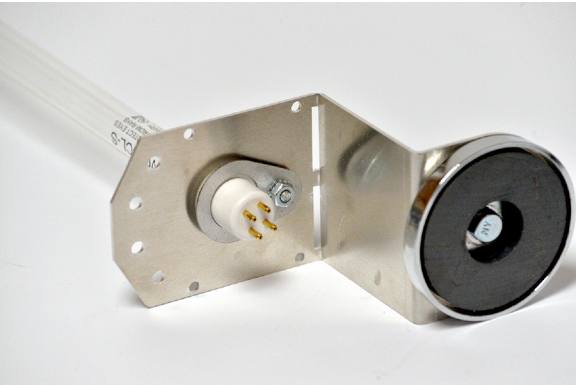


Photo 2

ACCESSORIES



500489 Lamp reflector for magnetic Z bracket.



LSK-24V 20 watt 14" UV lamp service kit.



LSK-24V ADPT 20 watt 14" UV lamp service kit with adaptor.
For use with other brands UV remote units.

