

envira**aire**  
ELITE™

## UV100E Ultraviolet Air Treatment System OWNER'S GUIDE



## **HOW YOUR ULTRAVIOLET AIR TREATMENT SYSTEM WORKS**

When installed in forced air heating and cooling systems, your UV100E Ultraviolet Air Treatment System kills a high percentage of micro-organism contaminants in the air passing over it. Individual results depend on how carefully all installation and maintenance requirements are followed and on the actual amount of time your air delivery fan operates.

You can capture and minimize micro-organism pass-through in your heating, ventilation and air conditioning (HVAC) system when you combine your Ultraviolet Air Treatment System with a high-efficiency air filtration system that includes an electronic air cleaner. Talk to your installer about adding an electronic air cleaner to complement your air treatment system and provide added protection for you and your family.

Your UV100E Ultraviolet Air Treatment System unit is one of these three models: a single-lamp, moderate-efficiency return air unit; a dual-lamp, high-efficiency return air unit; or an air conditioner coil irradiation unit.

- The UV100E1001 single-lamp unit is mounted in the return air duct of your HVAC system. It has moderate-efficiency performance in reducing airborne bacteria in return air systems.
- The UV100E1019 dual-lamp unit is mounted in your return air duct of your HVAC system. It has high-efficiency performance in reducing airborne bacteria in return air systems.
- The UV100E1035 coil irradiation unit is mounted in your supply side air duct or downstream from the air conditioner cooling coils in your HVAC system. The single lamp reduces mold and spores on duct surfaces, coils and drain pans.

## HOW YOU CAN CHECK YOUR ULTRAVIOLET AIR TREATMENT SYSTEM OPERATION



### **! WARNING**

**UV Light Hazard.**

**Harmful to bare skin and eyes.**

**Can cause temporary or permanent loss of vision.**

Never look at the lamps while illuminated.

Only view illumination by way of the light indicator located on the lamp knob.

To prevent exposure to ultraviolet light, disconnect power to the ultraviolet air treatment system before servicing any part of the heating/air conditioning system.

Do not mount device in location that allows ultraviolet light to be seen after installation.

Do not attempt to bypass the duct mount switch.

Do not attempt to open housing; unit is sealed to prevent ultraviolet light exposure.

Your Ultraviolet Air Treatment System has a power cord that plugs into a 120 Vac electrical outlet. Your unit is designed to prevent accidental contact with the voltage and with the ultraviolet rays in the sealed unit—the ultraviolet lamps do not illuminate unless the base is mounted on the HVAC duct.

It is recommended that every month you verify that your ultraviolet lamp(s) are operating *only by viewing through the lamp light indicator on the lamp knob. Do not attempt to look into the duct at the illuminated lamp(s).*

## HOW YOU CAN MAINTAIN YOUR ULTRAVIOLET AIR TREATMENT SYSTEM

You should regularly clean your ultraviolet lamps to maintain your air treatment system. And once every year, you must remember to replace your ultraviolet lamps.



### CAUTION

**Personal Injury Hazard.**

**Power supply can cause electrical shock.**

Disconnect power supply before cleaning or replacing ultraviolet lamp(s).

Do not open base unit or lamp knob; there are no user-serviceable components inside.



### CAUTION

**Breakable Glass Hazard.**

**Can cause personal injury.**

Be careful when inserting lamp(s) into lamp base.

Wear protective gloves when handling lamp(s).

## Cleaning Your Lamps Every Three Months (Quarterly)



### MERCURY NOTICE

This device contains mercury in the sealed ultraviolet lamp(s). Do not place your used lamp(s) in the trash. Dispose of properly.

**Broken Lamp Cleanup.**

**Do not use a household vacuum.**

Sweep debris (phosphor/glass) into a plastic bag and dispose of properly.

Contact your local waste management authority for instructions regarding recycling and the proper disposal of old lamp(s). If you have questions, call Honeywell Customer Assistance at 1-800-468-1502.

Lamp cleaning is recommended as routine maintenance four times a year or every three months (quarterly). Use the Ultraviolet Lamp Cleaning Reminder Schedule, Fig. 1, to help you establish and track your regular cleaning schedule.



6. Wipe your lamps with a clean, dry cloth.
7. Put your clean lamps back into the unit base by following Replacing Your Lamps (Annually) section steps 5, 6, and 7.



## **WARNING**

### **UV Light Hazard.**

**Harmful to bare skin and eyes.**

**Can cause temporary or permanent loss of vision.**

Never look at the lamps while illuminated.

Only view illumination by way of the light indicator located on the lamp knob.

To prevent exposure to ultraviolet light, disconnect power to the ultraviolet air treatment system before servicing any part of the heating/air conditioning system.

8. Plug the cord into the nearby 120 Vac electrical outlet.
9. Verify that the ultraviolet lamp(s) are operating *only* by viewing through the lamp light indicator on the lamp knob. *Never look directly at your lamps while illuminated.*
10. Reconnect the power to your HVAC system.



## **CAUTION**

### **UV Lamp Burn Hazard.**

**Harmful to bare skin.**

**Can cause severe burns.**

Disconnect power 15 minutes before removing the ultraviolet lamp(s).

### **IMPORTANT**

*If the lamps in your model have external wires running along the glass surface, be sure to avoid pulling on those wires.*

## **Replacing Your Lamps (Annually)**

Annual replacement of your lamps is required. To replace your lamps:

1. Select and obtain the correct replacement lamp for your unit. See Table 1.
2. Disconnect the power to your HVAC system.
3. Unplug your ultraviolet air treatment system cord from the electrical outlet and allow the lamps to cool for at least 15 minutes.
4. Rotate the lamp knob counterclockwise and gently pull the lamp knob to remove the lamp(s).
5. Insert the lamp into the base unit with the lamp light indicator at the eleven o'clock position (left of the raised button on the unit cover). *Do not touch the lamp surface with your hands.*

6. Continue lightly pushing in on the lamp while rotating it slowly counterclockwise. This should cause the lamp to drop into the bottom of the lamp well.
7. Rotate the lamp clockwise until it snaps into place with the lamp light indicator aligned with the raised button on the unit cover.



## **WARNING**

**UV Light Hazard.**

**Harmful to bare skin and eyes.**

**Can cause temporary or permanent loss of vision.**

Never look at the lamps while illuminated.

Only view illumination by way of the light indicator located on the lamp knob.

To prevent exposure to ultraviolet light, disconnect power to the ultraviolet air treatment system before servicing any part of the heating/air conditioning system.

8. Plug your ultraviolet air treatment system cord into the nearby 120 Vac electrical outlet.
9. Verify that your ultraviolet lamp(s) are operating *only by viewing through* the lamp light indicator on the lamp knob. *Never look directly at your lamp(s) while illuminated.*
10. Reconnect the power to your HVAC system.

**Table 1. Replacing Your Lamp(s).**

<b>Unit Description</b>	<b>Replacement Lamps</b>	<b>Wattage</b>
UV100E1001 Single-Lamp Return Air Unit	UC100E1006	18W
UV100E1019 Dual-Lamp Return Air Unit	UC100E1014 (twin pack) (two lamps required)	36W
UV100E1035 Coil Irradiation Unit	UC100E1030	36W

# Five-Year Limited Warranty

Honeywell warrants this product, excluding lamps, to be free from defects in the workmanship or materials, under normal use and service, for a period of five (5) years from the date of purchase by the consumer. If, at any time during the warranty period, the product is defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option) within a reasonable period of time.

If the product is defective,

- (i) return it, with a bill of sale or other dated proof of purchase, to the retailer from which you purchased it, or
- (ii) package it carefully, along with proof of purchase (including date of purchase) and a short description of the malfunction, and mail it, postage prepaid, to the following address:

Honeywell Return Goods  
Dock 4 MN10-3860  
1885 Douglas Dr N  
Golden Valley, MN 55422

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE FIVE YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write Honeywell Customer Relations, Honeywell, 1885 Douglas Dr N MN10-1461, Golden Valley, MN 55422 or call 1-800-468-1502, Monday-Friday, 7:00 a.m. to 5:30 p.m., Central time. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario, M1V4Z9.

## Honeywell

### Home and Building Control

Honeywell  
1985 Douglas Drive North  
Golden Valley, MN 55422

### Home and Building Control

Honeywell Limited-Honeywell Limitée  
35 Dynamic Drive  
Scarborough, Ontario  
M1V 4Z9

69-1442-1 G.H. 3-01



Printed in U.S.A. on recycled paper containing at least 10% post-consumer paper fibers.



[www.honeywell.com/yourhome](http://www.honeywell.com/yourhome)