

## Field Controls UV-12

# Field Controls UV-12 Whole House Induct Air Purification System User Manual

Model: UV-12 | Brand: Field Controls

## 1. INTRODUCTION

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The Field Controls UV-12 Whole House Induct Air Purification System is designed to improve indoor air quality by reducing airborne contaminants. This system utilizes UV lamp technology to neutralize microorganisms and maintain cleaner HVAC coils, contributing to a healthier home environment.

### Key Features:

- Reduces asthma and allergy irritants such as dust, pollen, and pet dander.
- Targets and reduces bacteria, mold, and viruses.
- Features a hinged cover for easy accessibility during maintenance.
- Includes a viewport to visually confirm operation.

## 2. SETUP AND INSTALLATION

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The UV-12 system is designed for straightforward installation within your HVAC ductwork. It includes a patent-pending angle bracket and duct board mounting kit to facilitate the process.

### Installation Requirements:

- The system plugs into a standard 120-volt outlet.
- For heat pump models, a 240-volt power supply is required.
- Ensure proper placement within the HVAC duct system for optimal air purification and coil cleaning.

For detailed installation instructions, please refer to the separate installation guide provided with your product or consult a qualified HVAC technician.

## 3. OPERATING INSTRUCTIONS

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The UV-12 system operates continuously to purify the air circulating through your home's HVAC system. Ultraviolet (UV) energy waves generated by the UV lamp are lethal to microorganisms found in indoor air.

## How the System Works:

1. **Air Circulation:** As indoor air circulates through the HVAC duct system, it passes over the UV lamp. Most HVAC systems are designed to circulate the air in the home between 75 to 150 times a day.
2. **Germ Neutralization:** The UV light neutralizes the DNA of germ molecules, rendering them unable to replicate and spread. Independent lab tests indicate a significant and cumulative effect on the concentration of airborne germs.
3. **Continuous Purification:** The system provides continuous purification, reducing airborne germs like mold, viruses, and bacteria.

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**Video:** UV-Aire Whole House Air Purifiers. This video explains how UV lamp technology purifies indoor air by neutralizing microorganisms and keeping AC coils clean.

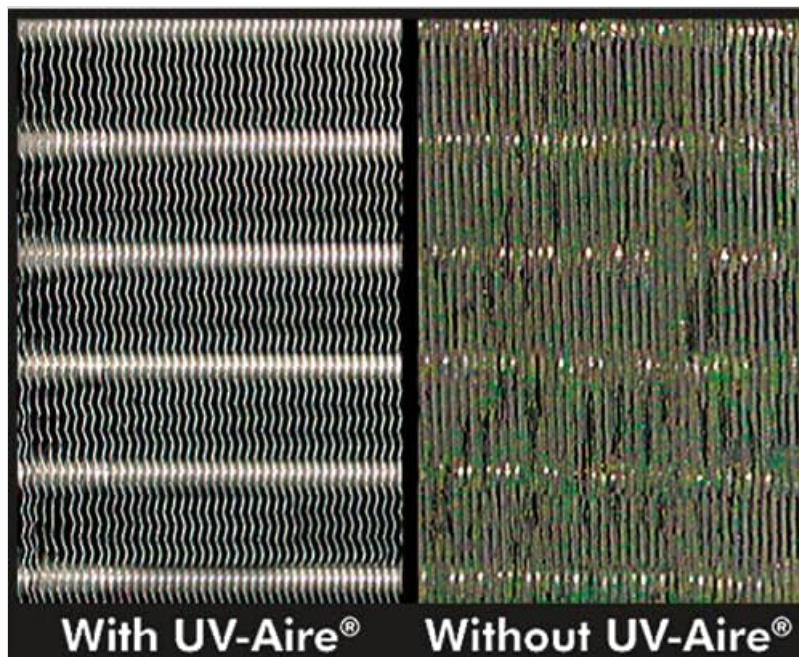
## 4. MAINTENANCE

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Regular maintenance of your UV-12 system ensures optimal performance and longevity. A key benefit of the UV-12 system is its ability to keep AC coils clean.

### AC Coil Cleaning:

AC coils are often moist, dark places, which are ideal breeding grounds for mold and toxic biofilm. These biofilms can release germs into the air each time the system cycles. When the UV lamp is placed near the AC coil, it continuously cleans the coil.



**Image:** This image illustrates the difference between an AC coil with UV-Aire purification (left, clean) and an AC coil without UV-Aire purification (right, showing mold and biofilm buildup).

Keeping the AC coil clean allows the AC system to run more efficiently, which saves on energy costs, reduces the need for frequent maintenance, and extends the overall life of your HVAC equipment.

### Lamp Replacement:

- The UV lamp has a finite lifespan and will need periodic replacement to maintain effectiveness.
- Refer to the product's specific lamp replacement schedule in the full manual or contact Field Controls support for guidance.

## 5. TROUBLESHOOTING

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This section provides general guidance. For specific troubleshooting steps or issues, please refer to the detailed troubleshooting guide in your product manual or contact Field Controls customer support.

### Common Issues:

- **No UV Light Emission:** Check power connection and ensure the unit is receiving power. The UV lamp may need replacement if it has reached the end of its lifespan.
- **Reduced Air Quality:** Ensure the UV lamp is functioning correctly and that your HVAC system's filters are clean and properly installed.

## 6. SPECIFICATIONS

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Feature	Detail
Model Number	UV-12
Brand	Field Controls
Item Weight	4.13 pounds
Product Dimensions	12 x 8.5 x 6.5 inches
Voltage	120 Volts (240 Volts for heat pump models)
Wattage	30 watts
Type of Bulb	Compact Fluorescent Light (CFL)
Included Components	12" UVC Single Lamp 120V w/angle bkt
Controller Type	Remote Control
Color	White

## 7. WARRANTY AND SUPPORT

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For warranty information, product registration, or technical assistance, please contact Field Controls directly. Detailed warranty terms and conditions are typically provided with your purchase documentation.

### Contact Information:

- **Manufacturer:** Field Controls
- **Website:** [fieldcontrols.com/uv-aire](https://fieldcontrols.com/uv-aire)
- Refer to your product packaging or the official Field Controls website for the most current support contact details.