

What is the AUREN Surveillance Mode?



Surveillance Mode in the AUREN 160 Single-Room Heat Recovery Ventilation Unit is a standby feature designed to monitor humidity levels and activate extraction only when necessary. It operates silently with the front panel closed until humidity exceeds a set threshold, at which point it switches to extraction mode at medium or night speed, depending on the time of day.

Understanding AUREN Surveillance Mode in Depth

The AUREN 160 is a cutting-edge single-room heat recovery ventilation unit designed to maintain optimal air quality in residential and public spaces. One of its standout features is **Surveillance Mode**, which combines energy efficiency with proactive humidity control. Let's delve into how this mode works, its benefits, and why it's particularly relevant for UK homes.

How Surveillance Mode Works

Surveillance Mode is a smart feature that keeps the unit in standby, with the front panel closed, until it detects a rise in humidity levels. This is particularly useful in spaces like kitchens, bathrooms, or bedrooms, where moisture levels can fluctuate throughout the day. Here's a step-by-step breakdown of its operation:

1. **Standby State:** The unit remains inactive, conserving energy, while continuously monitoring humidity levels via its built-in sensors.
2. **Humidity Threshold Activation:** When the humidity exceeds a pre-set threshold (40%, 60%, or 90%), the unit automatically switches to extraction mode.
3. **Extraction Speed:** During the day, the unit operates at medium speed to quickly remove excess moisture. At night, it switches to a quieter, low-speed extraction to minimise noise disruption.
4. **Return to Standby:** Once humidity levels normalise, the unit reverts to standby mode, ready to activate again when needed.

Benefits of Surveillance Mode

1. **Energy Efficiency:** By operating only when necessary, Surveillance Mode reduces energy consumption, making it an eco-friendly choice for UK households.
2. **Humidity Control:** It effectively prevents condensation, dampness, and mould growth, which are common issues in poorly ventilated UK homes.
3. **Quiet Operation:** The unit remains silent in standby mode, ensuring minimal disruption, especially during nighttime.
4. **Customisable Thresholds:** Users can adjust the humidity threshold to suit their specific needs, providing flexibility and control.

Why Surveillance Mode Matters in the UK

The UK’s temperate climate and high humidity levels make homes particularly susceptible to dampness and mould. According to the English Housing Survey, around 4% of homes in England suffer from condensation or mould issues, often exacerbated by inadequate ventilation. Surveillance Mode addresses this by providing a proactive solution that combines energy efficiency with effective moisture control.

Practical Applications of Surveillance Mode

- 1. **Kitchens:** Cooking generates significant moisture. Surveillance Mode ensures excess humidity is quickly removed, preventing condensation on walls and ceilings.
- 2. **Bathrooms:** Showers and baths create high humidity levels. The unit activates extraction to maintain a dry, comfortable environment.
- 3. **Bedrooms:** Nighttime humidity from breathing can lead to condensation on windows. Surveillance Mode operates quietly to address this without disturbing sleep.

Comparison with Other Modes

Mode	Function	Energy Use	Noise Level
Surveillance Mode	Monitors humidity and activates extraction only when necessary	Low	Minimal
Automatic Mode	Continuously operates at varying speeds based on humidity and twilight sensors	Moderate	Moderate
Manual Mode	Operates at a fixed speed selected by the user	High	Variable

Tips for Maximising Surveillance Mode

- 1. **Set the Right Threshold:** Choose a humidity level that suits your home’s needs. For example, 60% is ideal for general use, while 40% may be better for allergy sufferers.
- 2. **Regular Maintenance:** Clean the filters and heat exchanger periodically to ensure optimal performance.
- 3. **Pair Units:** For larger spaces, consider installing two AUREN units in master-slave configuration to enhance airflow and efficiency.

Upgrade your home’s ventilation with the AUREN 160 and experience the benefits of Surveillance Mode for cleaner, drier, and healthier air.