

# DRI-ECO-HEAT-HC USER GUIDE



**CONDENSATION DAMPNESS IS MORE COMMON THAN YOU THINK, PARTICULARLY IN OLDER HOMES. AS WINTER SETS IN AND THE TEMPERATURE STARTS TO DROP MANY OF US WILL NOTICE THE PROBLEM MORE.**

The **DRI-ECO-HEAT-HC** offers a ventilation solution for the whole property, using the tried and tested **Positive Input Ventilation (PIV)** principle, where fresh, filtered air is introduced into the home at a continuous rate, encouraging movement of air from inside to outside.



## WHY DO I NEED A DRI-ECO-HC UNIT IN MY HOME AND HOW WILL IT BENEFIT ME?

- Condensation dampness is more common than you may think, particularly in older homes that are poorly ventilated. Excess moisture is produced by everyday activities such as bathing, cooking, washing and drying your clothes inside.
- Condensed water provides the ideal conditions for mould spores already in the air to germinate and grow; damaging your walls, furniture and clothes and contributing to health problems.
- The humidity can also increase the number of dust mite allergens in the home, which can aggravate the symptoms of asthma.
- Having the DRI-ECO-HEAT-HC in your home prevents condensation by keeping moisture levels low. When used correctly it will protect your home from mould/damp and ultimately improve your indoor air quality, creating a healthier living environment.

- Research has shown that preventing moisture in a home can reduce allergic reactions to dust mites and other pollutants that affect those suffering from respiratory disorders. The correct use and maintenance of your ventilation system will help to achieve this.

**THE UNIT WILL IMPROVE YOUR INDOOR AIR QUALITY AND CREATE A HEALTHIER LIVING ENVIRONMENT.**

# DRI-ECO-HEAT-HC

## HOW DOES PIV WORK

An integral 400W heating element is cited behind the ceiling diffuser, ensuring a minimal loss of heat whilst tempering the air flow being dispersed into the property.

The innovative ceiling diffuser houses all included system controls, meaning you can adjust the speed setting from the comfort of your home.

The DRI-ECO-HEAT-HC also has remote sensor capabilities with a relative humidity sensor (DRI-ECO-RH), a remote monitoring device (DRI-ECO-RM) and a 4 button switch (DRI-ECO-4S) which offers manual control over the boost function and heater, all of which can be retro-fitted to the unit.

A CO<sub>2</sub> sensor (DRI-ECO-CO<sub>2</sub>) can also be wired directly into the unit which warns occupants of rising Carbon Dioxide levels in the home.

This process removes condensation, allergens such as dust mites, and the pollutants caused by cooking and cleaning from the air.

The results are a fresh and healthy indoor environment in which condensation and mould cannot exist, and where indoor pollutants including harmful Radon gas are kept to a minimum – all great news for allergy sufferers.

- Located in your loft space, the DRI-ECO-HEAT-HC will continuously draw air that enters your loft via natural leakage points or fixed ventilation points eg. soffit vents.
- The air is drawn into the DRI-ECO-HEAT-HC through the ePM10 filters and is gently dispersed into your home via a diffuser that is located in the ceiling of your central hallway.

**This process will ensure that contaminated and moisture-laden air in your home is continuously diluted, displaced and replaced with good quality, fresh air.**

**The result is an environment in which condensation dampness and mould cannot exist, and where allergens and pollutants are kept to a minimum.**

**CREATES A HEALTHY LIVING ENVIRONMENT**  
Significantly improves indoor air quality by removing air pollutants such as carbon monoxide.

**MOISTURE AND CONDENSATION ARE DRIVEN OUT**  
The filtered air gently pressurises the home from inside out, forcing out the stale air.



**NO NEED TO OPEN WINDOWS TO VENTILATE**  
Clean, fresh air is continuously drawn in through the lofts natural leakage points, passed through the filters and fed into the property via a central hallway diffuser.

# DRI-ECO-HEAT-HC FREQUENTLY ASKED QUESTIONS

## HOW DO I OPERATE THE UNIT?

During installation your unit will have been set to run continuously at a level that will adequately ventilate your home.

As house sizes and occupancy levels vary, your DRI-ECO-HEAT-HC has 6 speed controls which can be adjusted to suit your home. These speed settings can be adjusted via the controls on the ceiling diffuser.

The remote sensor is also available to help make the DRI-ECO-HEAT-HC a fully-automated PIV system which does not require manual control.

## WHAT MAINTENANCE IS REQUIRED?

To maintain the optimum performance of your DRI-ECO-HEAT-HC the filter must be kept clean and clear.

The cleaning or replacement of the filters is required every 5 years.

Part of the 7 segment display found on the ceiling diffuser will notify the occupier when filters need to be replaced by showing the letter 'C'. See I&M for instructions on how to reset this function after filter replacement has taken place.

## HOW MUCH DOES A DRI-ECO-HEAT-HC COST TO RUN?

To run the unit, electrical consumption would (typically) be about 10p per day. However, it should be remembered that the unit is making use of heat at ceiling level which would otherwise be lost.

The unit will switch itself into standby mode when temperatures reach such that condensation would not occur within your home eg. during the summertime.

## IF I NEED SOME ADVICE, WHO DO I CONTACT?

In the first instance please contact your housing provider or house builder.



**If I need some advice, who do I contact?** Nuair have a team of technical experts on hand to help. Our operating hours are 9am to 5pm Monday to Friday (excluding Bank Holidays) contact us on 029 2085 8400 (option 2). When calling Nuair, if possible, please check your fan for the serial number located on the fan label.