

# Greenwood HumidiSMART™



**A new and revolutionary way of using humidity levels to provide effective ventilation in domestic properties.**

## Why is it SMARTer?

In contrast to traditional humidity sensors that activate because a pre-set threshold is crossed, Greenwood HumidiSMART™ only reacts to man-made increases.

This is because it cleverly monitors the installed environment and knows what the 'normal ambient' humidity levels are on each individual day throughout the year.

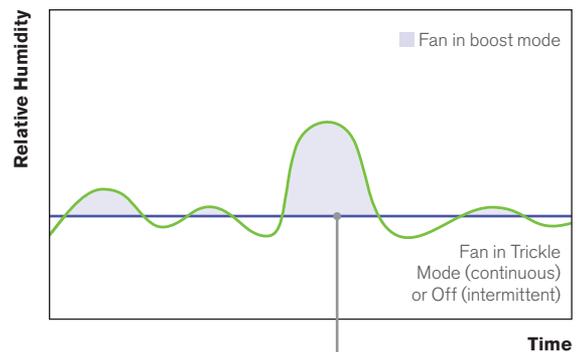
As a result of its specific set up and activation, Greenwood HumidiSMART™ helps to reduce nuisance running at night, unnecessary heat loss and energy usage. This is because the fan isn't running in response to increases in background humidity which naturally occur throughout the day and with the changing seasons.

This is a SMARTer use of humidity because during the year, the average humidity level will be different. A generic setting at 65% could mean the fan will be boosting for a long period of time because it is a particularly humid day or time of year.

**Based on a specific scenario you could make savings from 35% in running costs and therefore contribute to reducing your carbon footprint – call us or log on to [www.greenwood.co.uk](http://www.greenwood.co.uk) for full details of the savings.**

## Traditional humidistat sensor

The use of a generic threshold is very effective way of ensuring harmful levels of humidity are reduced. This does not however necessarily work in the most efficient way for the installed environment. A generic setting may be under or over compensating for naturally occurring changes in humidity.



### Generic pre-set threshold

A fan with a traditional humidistat sensor will activate each time the humidity rises above this pre-set activation point.

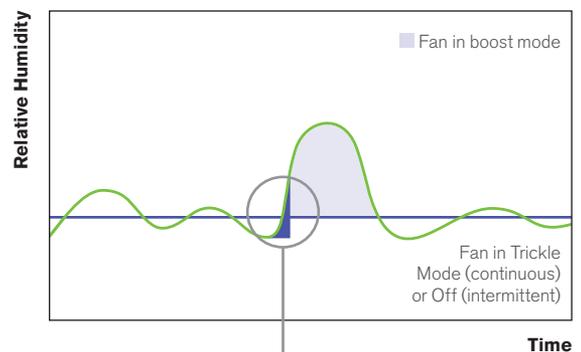
## Greenwood HumidiSMART™

With Greenwood HumidiSMART™ there is no generic pre-set activation point. The SMART humidity sensing **continually monitors the installed environment** looking for a **rapid increase in humidity** from the 'normal' reading of that particular day.

A rapid increase indicates an activity that will be creating high levels of moisture, usually a bath/shower or cooking.

This means that ventilation only boosts into action when it is needed as a result of activity in the room.

Once humidity levels start to decline and reach a calculated threshold at non-detrimental levels, the fan will either switch to trickle mode or turn off depending on its type (continuous or intermittent).



### SMARTer ventilation

Greenwood HumidiSMART™ looks for a rapid increase in humidity.