

AIRCOSENSE

WITH UP TO 35% ENERGY SAVINGS...

...you'll soon be feeling comfortable in more ways than one



AIR CONDITIONING

COMFORT SENSING – WITHOUT COSTING THE EARTH

ENIGIN

WHO IS IT FOR?

Maintaining a comfortable ambient room temperature may account for the largest portion of your energy bill.

Although we all appreciate the benefits of being in an environment that has comfort cooling, especially on a very hot or humid day, we don't always appreciate having a cold draught blowing down the back of our necks... nor the unwelcomed bill at the end of the month.

HOW DOES IT WORK?

Aircosense provides intelligent control of your existing air con unit by detecting subtle changes in the temperature of the air - well before you do. Aircosense incorporates a microprocessor controller that captures information from sensors accurate to a fraction of one degree, to regulate compressor cycles.

These micro-chip sensors are placed strategically in the heart of your system to 'fine tune' your Air Conditioning compressor and fan, ensuring you have exactly the temperature you need, in the most economical way...

no more - no less!

WHY DO I NEED IT?

Most Air Conditioning systems are designed to cope with the most extremes of temperature on the few hottest days of the year, with many then further oversized by design - just in case.

This means that systems are designed to work under conditions that they will rarely, if ever encounter. This lack of intelligent control means they can be incredibly wasteful and the swing in ambient room temperature is all too often uncomfortably great.



Improved comfort and lower running costs with Aircosense...
Some decisions are so simple



COMFORT SENSING - WITHOUT COSTING THE EARTH

Improved Comfort – With A 50% Return On Investment Each Year

TECHNICALLY SPEAKING...

In almost all cases the compressor and fan are either running flat out or they are off in a series of cycles that bear little relationship to the temperature of the air that is either entering or leaving the system.

Compressor motors therefore often run needlessly for extended periods of time when there is adequate stored 'cooling' within the coils that the fan is already struggling to remove. This is known technically as thermodynamic saturation.

Aircosense constantly monitors the temperature of the air from within the room as it enters the cooling system and at the same time measures the 'conditioned' air as it's returning. By using complex algorithms to firstly detect thermodynamic saturation and then - calculate the difference (hysteresis) of the input and output

temperatures - Aircosense can decide to switch off the compressor altogether and still leave the fan running...even adjusting the fan speed as necessary to extract every last drop of latent 'free' cooling from the system at a more moderate rate.

WHAT ARE THE BENEFITS?

Aircosense can reduce compressor cycles and therefore running costs without compromising the capacity of the system. Aircosense does not 'cap' the potential output of your system – on the hottest days you will have all the available output at your disposal. With improved performance compressor life is also extended.

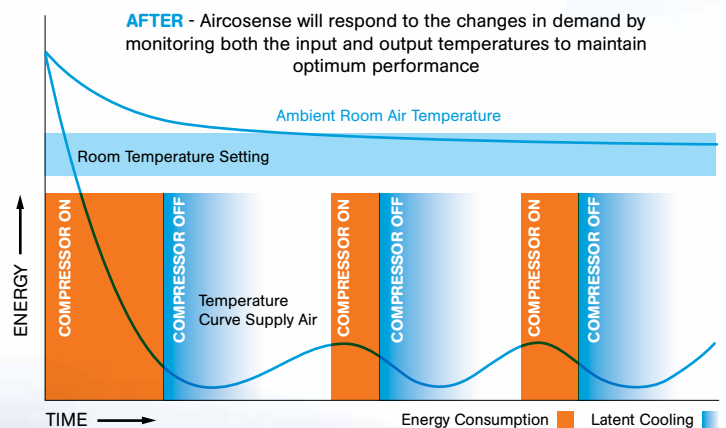
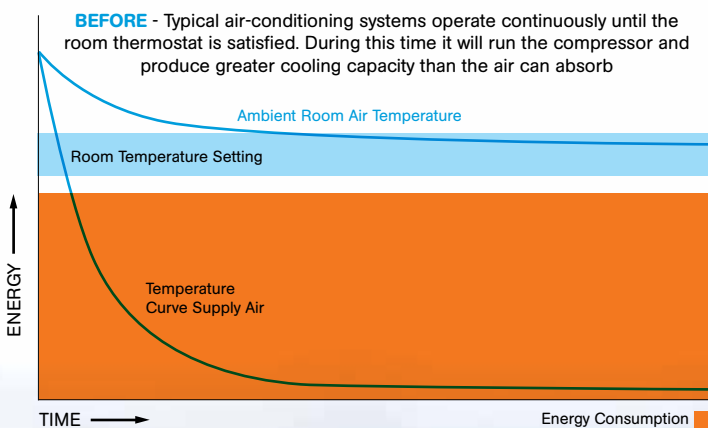
- Better Control
- Improved Comfort
- Lower Running Costs
- Reduced Compressor Cycles
- Less Maintenance

WHAT DOES IT COST?

Aircosense will pay for itself, many times over out of the savings it makes. Aircosense is installed by trained specialists and set to maximize comfort cooling with minimal operating costs.

Savings are typically in the 25-35% range meaning that the savings made within the first 24 months normally cover the cost of the complete installation.

Alternatively this can be made available through Enigin Distributors on a 'Pay-As-You-Save' plan, thereby requiring no capital outlay.



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Patent Pending

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