

# AIRCOSAVER- Air Conditioning Energy Saver

Millions of simple air conditioning units waste unbelievable amounts of energy every day. Not only is the absolute power demand for air conditioning very high, but air conditioning also contributes to extreme peak energy demand on the hottest days of the year which the energy infrastructure has to cope with.

AIRCOSAVER is an electronic control unit that adds intelligence to existing air conditioning systems (retrofit) and improves their energy efficiency.

Achieves average energy savings of about 20% (depending on local conditions up to 30% or more) resulting in a short payback period.

Is a proven product with a large installed base across different climates that have been growing by many thousand units each year since 2001.

AIRCOSAVER just adds one control dimension (thermodynamic saturation) to your system and compensates your system's deficits.



## Air conditioning has a huge potential for efficiency improvements

Air conditioning is one of the largest energy consumers in the residential and industrial sector. Thousands of air conditioners put high demands on our electricity networks. Air conditioning probably accounts for a significant part of your energy bill.

Many existing air conditioners use old and quite inefficient technology. Although improved technology has become available in more expensive systems (e.g. inverter technology), the payback time of these systems is still very long and most of this technology is not suitable as an easy and economical aftermarket fit to existing systems.

## The AIRCO energy saver compensates the shortcomings of typical AC units and adds intelligence to your AC system

The AIRCOSAVER's sensor-driven software algorithms are designed to detect thermodynamic saturation and to optimize the compressor accordingly. When overcapacity is detected, the AIRCOSAVER switches the compressor off and avoids inefficient overcooling.

Your unit switches into "saver mode". The fan keeps running and your system makes maximum use of the stored cooling energy in the heat exchanger. Once the stored energy is used up, the compressor can work efficiently again and is switched back on.

The set room temperature is reached **without the inefficient parts** of the cooling cycle. This results in significant energy savings without compromising cooling comfort.

Since the correct point to switch the compressor varies from unit to unit and changes with different weather conditions, the AIRCOSAVER is constantly monitoring the cooling status of your aircon unit and adapting its settings to ensure efficient operation of your air conditioning system at all times.

Contact **TLR Energy** to have a personal review of your cooling system  
and find out how you can start to save money...today