



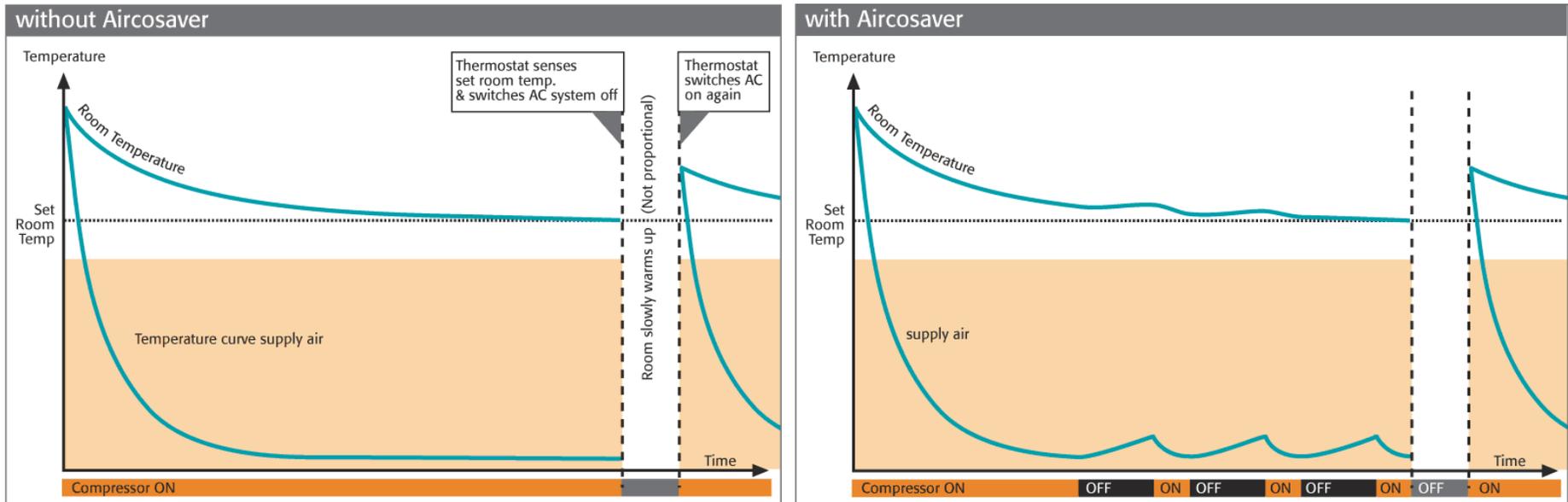
Aircosaver Introduction

What is the Aircosaver?



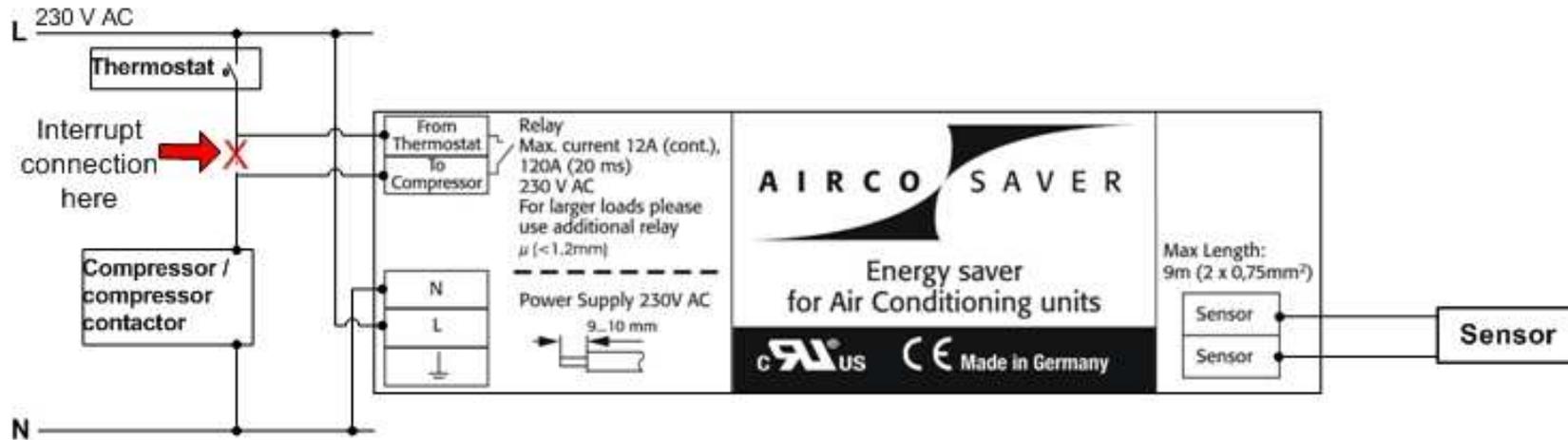
The Aircosaver is a control unit which adds intelligence to simple aircon units and improves their overall efficiency.

How does the Aircosaver work? (1/2)



- An aircon system together with a room can be modelled as a thermodynamic system. The system efficiency varies!
- Problem: During the cooling process with simple On/Off compressors (NOT Inverters) there are stages of higher efficiency and of low efficiency.
- Solution: The Aircosaver cuts out the most inefficient parts of the cooling cycles.

How does the Aircosaver work? (2/2)



- The thermostat remains in control.
- The Aircosaver only optimizes how the cooling is achieved.

For which aircon systems is it suitable?



DX (direct expansion) aircon systems

- Single speed (On/Off) compressors
- Up to approx. 10 tons
- Single evaporator
- Single compressor (suitable for some dual compressor systems, too).

Single split systems, window units, some packaged systems.



Not suitable for

- Inverter systems (they already have this kind of intelligence)
- Multisplits
- Chilled water systems
- Evaporative aircon systems





- Typical energy savings 10% - 30% (occasionally more)
- Attractive payback times
- Proven, reliable, made to highest quality standards in Germany
- Simple installation (ask your Aircon service technician to install an Aircosaver during the next service).

Best energy saving alternative for your existing aircon if you do not want to invest into an Inverter unit.

Company Profile of EPV GmbH Germany



Company

- EPV Electronic GmbH founded in 1990 in Germany, family business
- Focus on development & manufacturing of energy saving controls

Business activities

- Range of innovative lighting & aircon control equipment
- Technology partner for major lighting OEMs

Main products

- Occupancy and light sensors & Ballasts
- Dimmers, LED Emergency Exit Signs
- Aircosaver

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Research & Development



Manufacturing