



Established in 2010, Climateq specialises in retrofit energy saving HVAC controls. Our range of solutions are designed for split air conditioners, VRF & chiller systems delivering comfort and processing cooling ensuring significant carbon savings from day one with a typical return on investment in under 3 years

Contact us today for a review of your HVAC and find out how much Climateq can reduce your energy consumption and carbon emissions by



For High Runtime Comfort Cooling

Ideal for high runtime applications where single & multisplit air conditioning units provide heating & cooling

- ✔ 16 different temperature settings
- ✔ Automatic temperature tracking
- ✔ Improves the efficiency of the air conditioner
- ✔ Non-invasive intelligent thermostat
- ✔ No interference with existing BEMS control settings
- ✔ Auto detection of cooling & reverse cycle operation
- ✔ Compatible with all major air conditioning manufacturers

The COOLNOMIX AC-01H® energy-saving thermostat

- ✔ Reduces energy consumption and carbon emissions by ca. 18.5%
- ✔ Ensures constant temperature stability
- ✔ Prevents the evaporator from dripping or icing
- ✔ Preserves the lifespan of equipment
- ✔ Is easy to install
- ✔ Provides a typical payback within 36 months
- ✔ Comes with a 3 year warranty

In most air-conditioning applications, energy is wasted because the compressor (the primary running cost component) runs for much longer than necessary. Our patented Optimised Refrigerant Supply® (ORS®) process, integrated into the advanced COOLNOMIX AC-01H® control device, reduces the compressor's run-time without affecting the space temperature, reducing electricity consumption, even in the most demanding, high temperature and humid environments.

The COOLNOMIX® ORS® technology uses two precision temperature sensors in an algorithmic energy trading control arrangement to monitor the thermodynamic (room or space temperature) and the hydraulic (refrigerant supply) performance of the connected air-conditioning or refrigeration system.

In operation, this algorithmic energy trading approach first uses the room or space temperature sensor to ensure that the required setpoint has been achieved. Subsequently, this temperature sensor ensures that the space is maintained within +/-0.5°C (+/-0.9°F) of the required setpoint. Meanwhile, a second temperature sensor connected to the indoor unit's coil is used to identify when the compressor has achieved its useful hydraulic work in producing a supply of high-pressure liquid refrigerant. Using built-in algorithmic energy trading control, the COOLNOMIX® ORS® advanced system then cycles the compressor on and off at appropriate times to minimise running costs and carbon emissions.

COOLNOMIX AC-01H® APPLICATIONS



Airport Transport



Supermarkets Retail



Data Centres



Manufacturing



Hotels Restaurants



Offices Commercial



Cold Stores



Universities Education



Hospitals Health Centres



Theatres Venues

For more information on how the COOLNOMIX AC-01H® can significantly reduce your energy usage contact:

Climateq Ltd | T +44 (0)1202 201480 | E info@climateq.co.uk | W climateq.co.uk