Climateq
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COOLNOMIX AC-01®

For compressor-driven air conditioning units

Replacement smart thermostatic control

For high run time applications operating at a fixed cooling temperature

Average 30% energy reduction

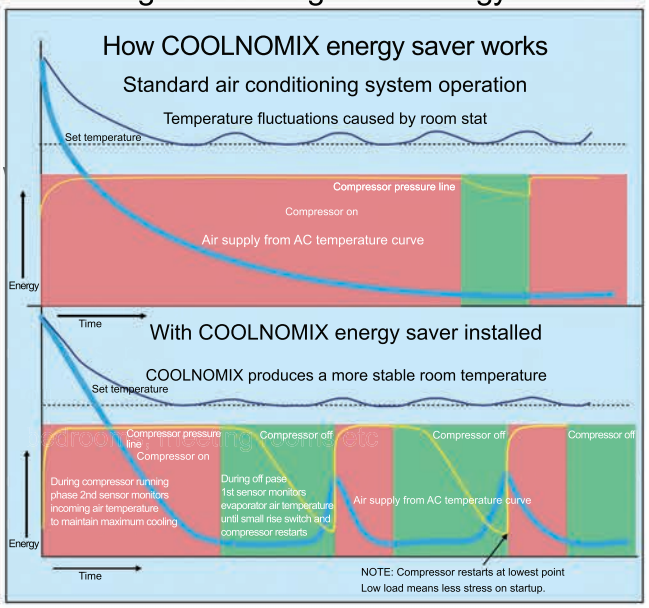
Compatible with all major air conditioning manufacturers

Dimensions:	17.7cm x 11.3cm x 3.8cm 7" x 4.4" x 1.5" Excluding temperature sensors
Unit weight:	218g, 7.7oz
Electrical supply:	110V to 240V AC50/60 auto-switching
Current:	2mA (220V), 1mA (110V)
Operating environment:	0°c - 55°c, RH to 95%
Storage environment:	-25°c and 85°c, RH 15% to 95%
Certifications:	Full CE certification (safety and electromagnetic interference) Full CTICK certification RoHS certification FCC certification
Temperature Sensors:	NTC type, -50°c - 150°c
Relay:	Normally open - opens on power failure Voltage: 0 - 250V (AC or DC) Current: 10A continuous 16A peak
Cooling operating range:	16°c – 32°c

Benefits

- Reduces energy consumption and carbon emissions by over 30%
- Ensures constant temperature stability
- Prevents the evaporator from dripping or icing
- Preserves the lifespan of equipment
- Easy installation
- Zero maintenance
- Typical payback within 12 months
- 3 year warranty

Coolnomix AC-01 is an intelligent, energy saving retrofit solution designed for compressor driven air conditioners, operating for long periods at a fixed cooling temperature. The AC-01 monitors the refrigerant and turns the compressor off once the coolant is to temperature. The evaporator remains operational, allowing the residual refrigerant to continue to deliver cold air and maintain the room temperature. Once the refrigerant has achieved its lowest cooling capability, the compressor is switched back on resulting in an average 30% energy reduction.



The patented Optimised Refrigerant Supply (ORS) protects the air conditioner's compressor by allowing the motor to run for a minimum time to ensure cooling of the windings. Restarts then only take place once all high-pressure refrigerant has been used up meaning there is zero differential pressure across the compressor.

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

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