COOLNOMIX

The Art of Cool

Data Sheet COOLNOMIX AC-02®

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:	90V to 250V AC50/60 auto-switching
Current:	2mA (220V), 1mA (110V)
Operating Environment:	0°C to 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 to 150°C
Relay:	Normally open - opens on power failure Voltage: 0 to 250V (AC or DC) Current: 10A continuous/16A peak

COOLNOMIX AC-02® employs patent pending Optimized Refrigerant Supply (ORS™) with two temperature sensors, one measuring the cold supply the other measuring the space temperature, so that the ORS™ algorithm ensures that running costs are always optimized against required comfort/space cooling needs.

COOLNOMIX AC-02® supports environments for any temperature within the range from 16 Deg C/61 Deg F to 31 Deg C/88 Deg F in 16 steps.

The ORS™ algorithm encompasses processes to protect the precision air-conditioner compressor:

- the motor runs for a minimum time to allow windings to cool down
- compressor re-starts only take place when all high-pressure refrigerant has been used up (zero differential pressure across the compressor)

All **COOLNOMIX** AC-02® units carry a 3 years warranty.

One **COOLNOMIX** AC-02® unit is required for every precision air-conditioner thermostat.

The **COOLNOMIX** AC-02® is a retro-fit solution for energy savings on existing refrigerant based precision air-conditioners such as CRAC units.

support@coolnomix.com
www.coolnomix.com

about Coolnomix™

Coolnomix™ is a patent pending product of Agile8 Consulting Limited. Our objective for Coolnomix™ is to reduce worldwide running costs of refrigerant based cooling and heating systems by 30%.