

### WHAT IS COOLNOMIX?

Coolnomix is a control technology for vapour compression cooling systems.

The system is suitable for AC and refrigeration.

It is a retrofit system that reduces energy usage and improves temperature control.

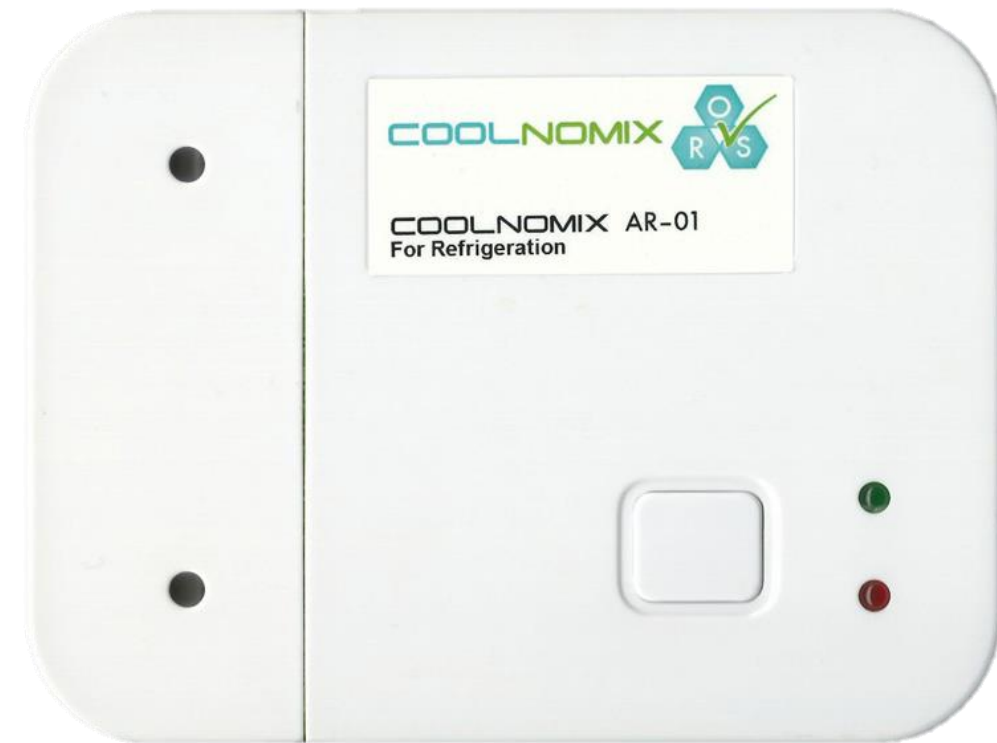
The system comprises of a control system, two processor sensors and an electric relay system.

### PRODUCT HIGHLIGHTS

**20%** TYPICAL SAVINGS

**1HR** NON DISRUPTIVE INSTALL

**ZERO** MAINTENANCE AND A  
FIVE YEAR WARRANTY



Coolnomix Temperature  
Control Technology



POWER FOR THE PEOPLE

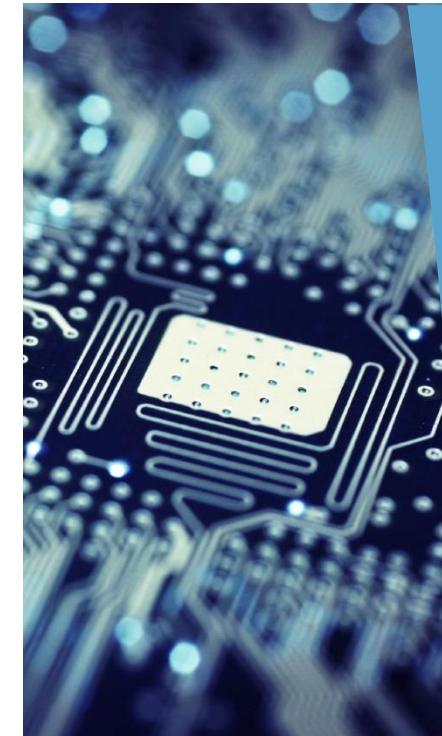
[www.social-power.co.uk](http://www.social-power.co.uk)



# The benefits of Coolnomix

## AIR CONDITIONING & REFRIGERATION ENERGY OPTIMIZATION

- 1-2 hour install and no on-going maintenance required.
- Reduces normal cooling range from 3-4 degrees to 1 degree, improving ambient conditions and saving energy.
- Eliminates short cycling, where the cooling unit comes back on before the refrigerant has time to return to a gaseous state.
- Short cycling wastes energy and can result in equipment damage.
- Eliminates the build up of frost on the evaporator coil - saving costly defrosting processes.
- A warning light flashes when a Coolnomix request for cooling has not been achieved in a set time.
- This warning light can be supplemented with an optional alarm setting. A useful addition for refrigeration units.



### SENSORS

The processors sensors are placed in the supply and return airflows and provide feedback to the control unit.



### ALGORITHMS

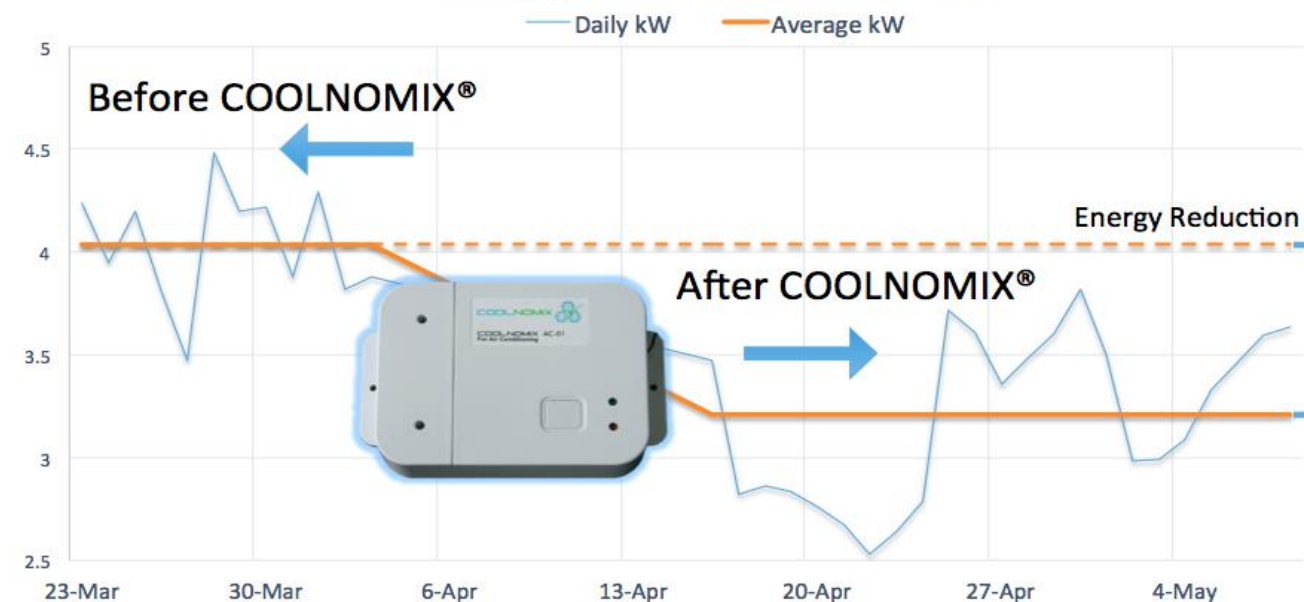
The control runs patented algorithms and sends signals back to the cooling unit to let it know the optimal time to run.



### OPTIMISATION

The system optimises between energy savings and temperature control.

### Energy Use - Before and After



### PROVEN CASES



### NEXT STEPS

- Choose a suitable site to run a free trial.
- Our installers will come and install monitoring kit on the unit and run it for two weeks.
- They will then return and install Coolnomix and monitor for two further weeks.
- Results of before and after will be compared, adjusting for cooling degree days.