

EXCELLENCE IN ENERGY SAVING

fluoresave
A responsible use of power

JOHN COLLINS PROFILES THE REVOLUTIONARY MONEY SAVING PRODUCTS FROM INNOVATIVE MANUFACTURER FLUORESIVE

MAXIMUM voltage, and hence energy, is required for the ignition of fluorescent and other discharge lighting such as sodium, mercury and metal halide. Once ignited, however there is no need to keep the voltage at such a high level and yet existing lighting systems do just that.

A West Berkshire company, Fluoresave Limited, specialise in energy-saving devices which can be installed in new buildings or simply retrofitted into existing buildings. These revolutionary products have proven to save businesses and public organizations 30%+ on the cost of running their lighting, as well as making a considerable contribution to the government's efforts to reduce our CO2 emissions thereby benefiting the environment.

The company developed Fluoresave in Australia in 1996 and now manufactures the units in a high-tech plant in China, supplying a global market including the Far East, Australia, New Zealand, South Africa and now Europe. With an enthusiastic take up in UK, managing director Michael Dolphin is currently establishing distribution across continental Europe. One of the advantages of the device is the speed with which buyers can recover the cost in energy savings, typically less than two years after fitting the device.

The system complies with all the necessary standards in Australasia, South Africa, and Europe where it carries the CE mark and conforms to the relevant European Directives and German VDE. Fluoresave is a "fit it and forget it" device requiring no service or maintenance and carries a two year full replacement Warranty.

The Fluoresave unit is an "intelligent" voltage reduction device that works by supplying mains voltage to the lights for ignition which is what they are designed for, allows a short time delay period for warm-up to ensure stable operation of the lights, before switching to an adjustable lower energy saving voltage. Fluoresave continuously monitors the variation in the output of the current and mains voltage. When additional lights within the circuit are switched on, Fluoresave will revert back to mains voltage for ignition and wait for the current to stabilise before returning to the energy saving mode.

Michael commented, "Many lighting companies are encouraging the use of high

frequency fluorescent lighting which can achieve power savings of some 15% over conventional fluorescents, but from what many major users of high frequency fluorescent lighting are telling us, the significantly increased capital cost combined with the high cost of maintenance and reliability are a serious deterrent, beyond the problems of generating harmonics. Interestingly, for these reasons high frequency fluorescent lighting is now rarely used in Australia and Asia."

With Fluoresave there is now an alternative to the significantly higher capital cost associated with installing and running high frequency fluorescent lighting and the disruption during its installation, for an improved efficiency. Fluoresave delivers savings of around 30%+ without the need for modification to the light fittings or any disruption to the working environment by merely wiring the Fluoresave unit into the existing lighting circuits back at the distribution board.

"With the realisation of what we are doing to our environment and the continual rise in power costs, Fluoresave offers an obvious and simple solution for commercial power users to cut the effects of both" said Michael Dolphin.

Because the device reduces the level of power used by the lighting it reduces the running temperature of the lamps this extends the life of fluorescent tubes and discharge lamps by some 25 per cent thus reducing costs of maintenance and disposal which is now more costly under the WEEE Directive, a further environmental benefit.

Fluoresave units have been fitted to fluorescent, sodium, mercury and metal halide lighting in a variety of buildings, including airports, banks, NHS hospitals, factories, multi-storey car parks, offices and leisure centres. Among

the many Fluoresave users are public companies including food and motor manufactures, councils, schools, retailers, logistics warehousing and distribution companies, the MOD, hotels, retailers and public utilities, the opportunities are endless.

Typical savings achieved on fluorescent lighting is 30%+ and 20%+ on discharge lighting. Fluoresave have a number of impressive independent case studies and testimonials from their users showing greater savings, one major brewery saving 45% with a payback in under five months. So if saving that much energy is possible, why not do it?

Fluoresave units come in three model sizes, 12 Amp, 20 Amp and 32 Amp designed for maximum flexibility on installation.

To find out more, visit www.fluoresave.com or ring **01488.658480**.

