



ENVIRONMENTAL FACT FILE 02

Eco Design for Energy Related Products

1. Applicability

This is applicable to manufacturers providing energy related products (i.e. products that use energy or affect the use of energy).

An implementation date has not yet been set for the relevant regulations (refer to Section 5), therefore this information is provided to aid companies in preparing for their arrival.

2. Background

These regulations have been brought into force to improve the performance (i.e. reduce energy consumption) of energy using products.

3. Overview

- Aims to improve the environmental performance of products throughout their lifecycle
- Processes should be implemented at each stage to ensure environmental aspects are considered
- Manufacturer or importer has responsibility for assessment of the ecological profile of products and identify alternative solutions
- Requires products to be CE marked and for the marking to be visibly, legibly and indelibly displayed on the product itself
- Fire Detection and Alarm systems come under the “Electrical and Electronic Household and Office Equipment” Category under the regulations.
- Managed by the introduction of various ‘implementation measures’, including:
 - * Standby and off-mode power consumption (including components of fire alarm systems)
 - * External power supplies (under 205W)
 - * Televisions and Television Monitors
 - * Lighting (General) (DOES NOT include emergency lighting)
 - * Personal computers and monitors, incl. small scale servers
 - * Imaging Devices

4. Action Required by Manufacturers

- Review the energy use of the product throughout the life cycle (Concept, Design, Manufacturing, Use and Recycling/Disposal). Refer to standard *BS EN 62430:2009 Environmentally conscious design for electrical and electronic products* for guidance

- Ensure that components do not exceed maximum energy use limits under certain operating conditions (e.g. on standby)
- Maintain technical information regarding details of the declaration of conformity. This should include data such as design calculations and test reports on energy consumption

5. Relevant Legislation

UK Legislation

[The Eco-Design for Energy Related Products Regulations 2010](#)

EU Legislation

[DIRECTIVE 2009/125/EC Establishing a framework for the setting of ecodesign requirements for energy-related products](#)

Enforcing Authority in the UK – National Measurement Office

6. Further Information

[Environmental guidance - legislative overview](#)

[Business Link Guidance on Ecodesign Regs](#)

[National Measurement Office Guidance](#)

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