

On the 6th January, 2010 the Commission Regulation (EC) No 1275/2008 came into force regulating the eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment. This regulation has direct effect in the UK and adds further listed products to those covered by the eco-design for Energy Related Products Regulations 2009 as amended.

The regulations are designed to encourage further technical advances in the design of electronic products and to reduce the energy consumption when the product is in off or standby modes.

What are “off” and “standby” modes?

Standby mode is when the product is connected to the mains and provides only the following functions;

- a function which facilitates the re-activation of other modes by remote switch, sensor or timer or that function accompanied by an indication of that function and/or
- a continuous function providing information display, including clocks.

Off mode is when the product is connected to the mains and is not providing any functions. Off mode also includes conditions providing only an indication of off mode and special conditions relating to electromagnetic compatibility.

The scope of the Regulations covers any energy using product that is: made commercially available as a single unit; dependent on a mains power source; designed for a nominal voltage of ≤ 250 v and falls under the list of products in the regulations.

Household Appliances

- Washing machines and clothes dryers
- Dish washing machines
- Electric ovens, microwave ovens and hot plates
- Toasters, fryers, electric knives and scales
- Grinders, coffee machines and equipment for opening or sealing containers
- Appliances for cooking and food processing, cleaning and maintenance of clothes
- Appliances for hair cutting, drying, tooth brushing, shaving, massage and other body care

Consumer Equipment

- Radio sets and Televisions
- Video cameras and recorders
- Hi-fi recorders and audio amplifiers
- Home theatre systems

Musical instruments

- Other equipment for recording or reproducing or distribution of sound or images instruments
- Toys, leisure and sports equipment
- Electric trains and car racing sets
- Hand held video games consoles
- Sports equipment
- Other toys, leisure and sports equipment
- Information technology equipment intended primarily for use in the domestic environment

Manufacturers’ responsibilities

The manufacturer, importer or person who first places the product on the market is responsible for:

- Ensuring the product complies with the maximum energy consumption requirements

- Making a declaration of conformity
- Marking the product with the CE conformity marking
- Maintaining a technical file which contains information capable of evidencing the eco-design characteristics of the product. Full details of the information required in the technical file can be found in annex II of (EC) **1275/2008** and annex IV or V of **2009/125/EC**.

The maximum energy consumption levels are;

From 6th January 2010

- “off mode” shall not exceed 1.00w
- “standby mode” shall not exceed 1.00w
- “standby plus” mode shall not exceed 2.00w
- (Standby plus is any condition providing only information or status display, or providing only a combination of reactivation function and information or status display)
- Equipment shall, except where it is inappropriate, provide off mode and/or standby mode when the equipment is connected to the mains power source.

From 6th January 2013

- “off mode” shall not exceed 0.5w
- “standby mode” shall not exceed 0.5w
- “standby plus mode” shall not exceed 1.00w
- Equipment shall, except where it is inappropriate, provide off mode and/or standby mode when the equipment is connected to the mains power source.

- Equipment shall, except where it is inappropriate, offer a power management function that switches the equipment into standby or off mode after the shortest possible period of time appropriate for the use of the equipment.

Market Surveillance

The Enforcement Authority when conducting market surveillance to ascertain compliance with the Regulations will normally sample one single unit. An additional tolerance is applied to any testing of 10% or 0.1w. If the unit fails, additional testing will be performed on three more units and an average value used in determining compliance.

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Enforcement Authority

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More detailed information about the regulations is available on our website:

www.bis.gov.uk/nmo/eup

The Department for the Environment, Food and Rural Affairs (Defra) is the policy lead for the Eco-design of Energy Related Products Regulations in the UK:

www.efficient-products.defra.gov.uk/eup



Standby and Off Mode

The Eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment

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