Pdf 1:2 Energy Saving Devices

There are a variety of devices available to help you understand and reduce your energy consumption.

**Smart meters** monitor electricity consumption throughout your business, providing real time information about your usage. Some will also store data so you can analyse usage patterns over time, thus identifying inefficient appliances or wasteful practices. They can be particularly useful in identifying night-time usage which can help you to identify equipment/appliances which are on when not required, therefore, wasting electricity.

They cost around £40, and no wiring or electrical knowledge is required to install them. A small display unit will tell you the cost of the electricity you are using at any moment in time, be warned they are addictive! Using a Smart meter to assess the energy efficiency of your appliances can help you to calculate the payback time of replacement.

**Plug-in appliance monitors** record the amount of electricity used over a period of time. These can be moved around, so several appliances can be monitored for a particular time period (e.g. one month each). Savings of up to 20% can be identified and a good monitor will cost between £10 and £50, paying for itself in 1-6 months.

**Power down devices**, also known as power saver devices or standby sockets ensure that all your peripheral equipment such as screens, modems and printers are turned off when you shut down your computer. Plug your computer lead into the main power down socket and then plug any related peripherals into the side sockets. When you switch off your PC, the power down senses this and will automatically cut the power off from the rest of your devices. When you turn your PC on it will automatically power them all back on.

**Wireless Motion Sensors** make turning things off something you won't have to think about again. Can be installed to control lights or any other electrical equipment - set it up to switch equipment on or off as you enter or leave a room, or your whole house. Can be used in conjunction with some power down devices.

**Mobile Phone Energy Saver Adapter** monitors the power going into your mobile, and cuts the power when the battery is full. Simply the plug phone and charger into the energy saver plug, then plug into the wall. You can leave your phone charging overnight, ready for when you need it, without wasting energy.