

# energymanagement

A range of switches, timers and detectors - saving energy and increasing convenience

 **energystyle**

 **energysense**

 **energyoutdoor**

**elka**



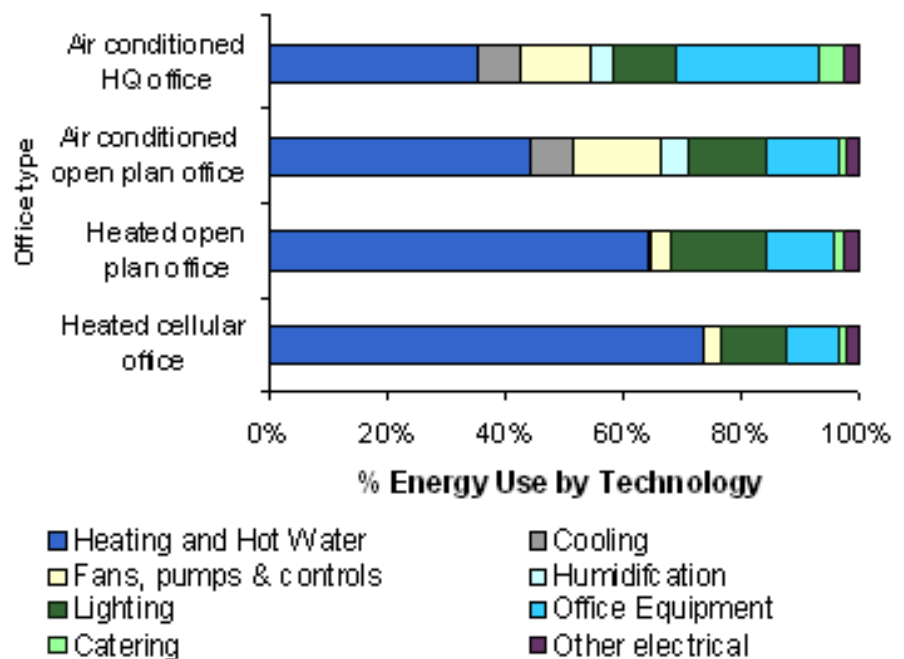
# Why Save Energy

- The UK government has committed to reducing carbon dioxide emissions by 20% by 2010, and a reduction of 60% by 2050.
- Almost half of the UK's Carbon dioxide emissions comes from the home and when we travel.
- The average household creates 6 tonnes of carbon dioxide a year.
- In 2004, the total UK carbon dioxide emissions were almost 560million tonnes.
- 27% of the total emissions came from the energy we use to heat, light and power our homes.

# FACTS FROM THE CARBON TRUST

- Energy use by business activities in offices is about 9% of the total UK building energy consumption, emitting around 6.8 million tonnes of CO<sub>2</sub>/year.
- It is estimated that savings of up to 20% across the sector are possible. Realising over £157 million each year.

Energy use breakdown for business activities  
(office based)



# FACTS FROM THE CARBON TRUST

## Improving energy efficiency brings the following benefits

- It is one of the simplest ways to increase profits without the need to increase sales.
- Controlling energy use should make conditions more comfortable for staff.
- Reducing energy consumption helps to combat climate change. Clients, shareholders and other stakeholders are increasingly looking to companies that can demonstrate their commitment to the environment.



# TOP TIPS FROM THE CARBON TRUST



## **Small changes make a big difference**

You don't need to invest in expensive new technologies to lower your energy costs and reduce your carbon emissions. Here are some things you and your employees can do today, that could reduce your overall energy use by 10%. And the best bit is, they won't cost you a penny.

Combine these with other changes that need only minimum investment, and you could cut your bills by a fifth, or more.

## **General tips for saving energy**

Measure how much energy you're using

Unless you know what you're paying, you won't know what impact the changes make. Keep track of your bills, and how they change when you introduce our energy-saving tips.

## **Switch off equipment when you're not using it**

On average offices waste £6,000 each year by leaving equipment on over weekends and bank holidays. Just getting your employees to turn off their monitors when they go home can make a big difference.

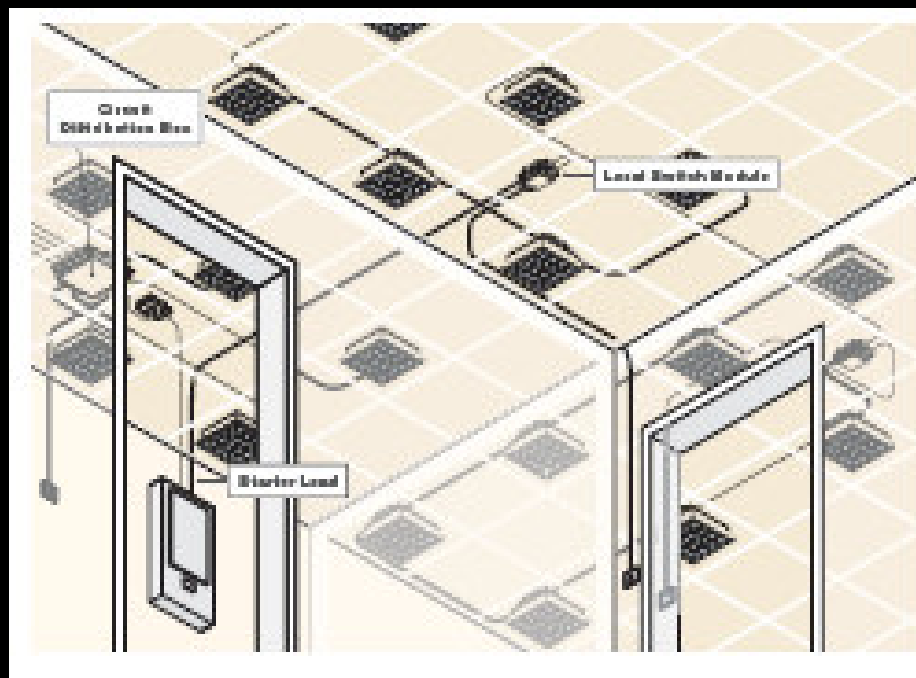
# Calculating the Cost



- The carbon calculator is a portable tool that allows specifiers, architects and installers to calculate.
  - Annual savings by using an energy management products
  - Annual reduction in CO2 emissions by using an energy management product

# How Can These Savings Be Achieved

- Large lighting control systems



# Disadvantages

- Expensive to install
- Complicated to use once installed
  - Overriding can be difficult
  - Changing setting
- Difficult to retrofit into old buildings
- Service contracts add to the cost.

# Alternative

- Elkay's new range of Energy Management products are the most complete energy saving solution for:
  - Domestic
  - Commercial Buildings
  - Industrial Applications
- The new Product range is suited for controlling all types of appliances, such as:
  - Lighting
  - Heating
  - Ventilation
  - Air conditioning

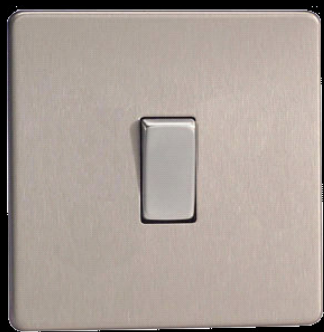
# Range

Over 60 completely new products in three ranges, with new finishes including White, Chrome and Brushed Stainless Steel.

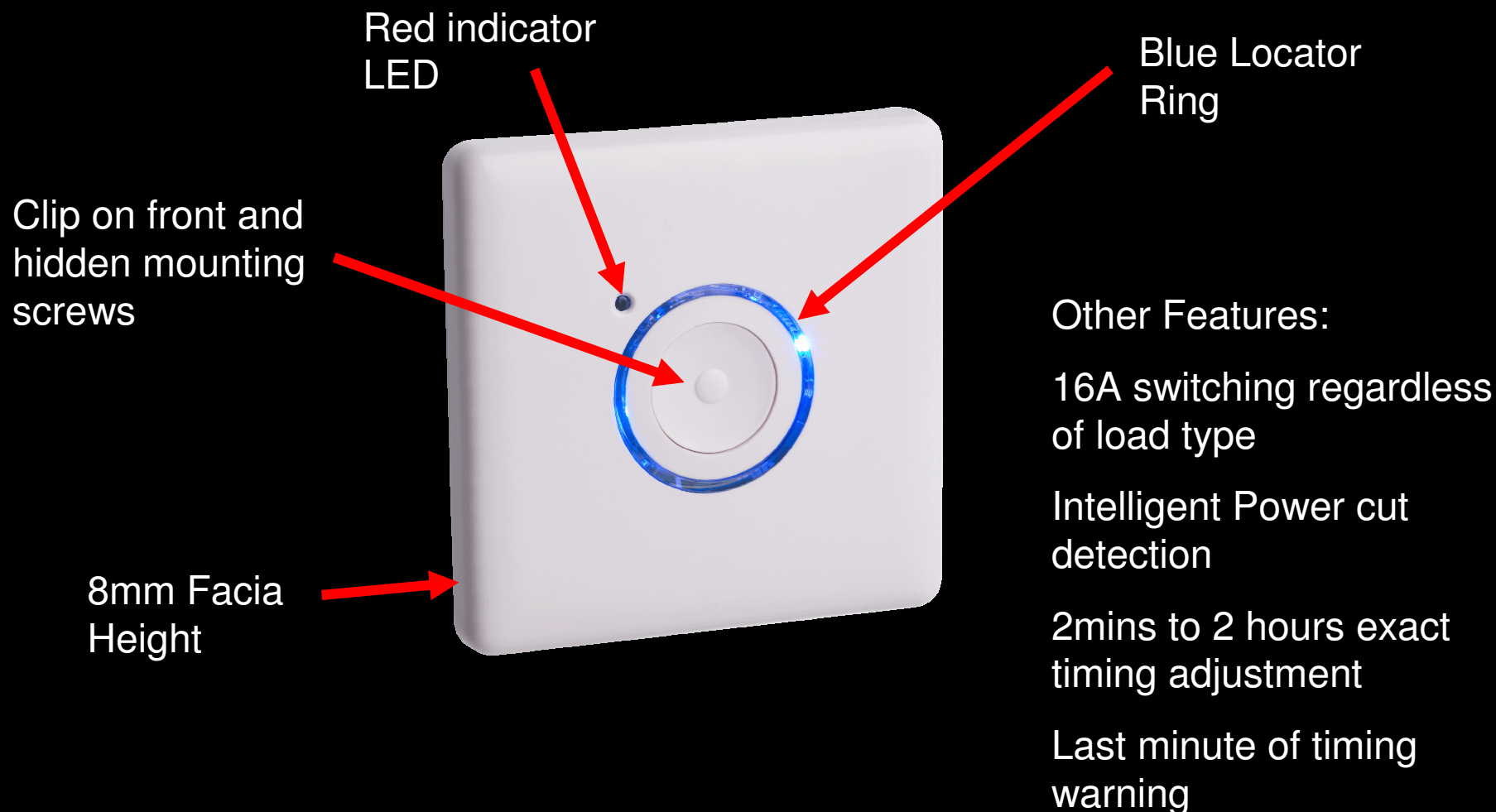


# Quick and Easy

- The new energy management range has been designed for:
  - Ease of installation
  - Retrofit into existing installations
  - No need for additional building and installation work
  - Easy to maintain

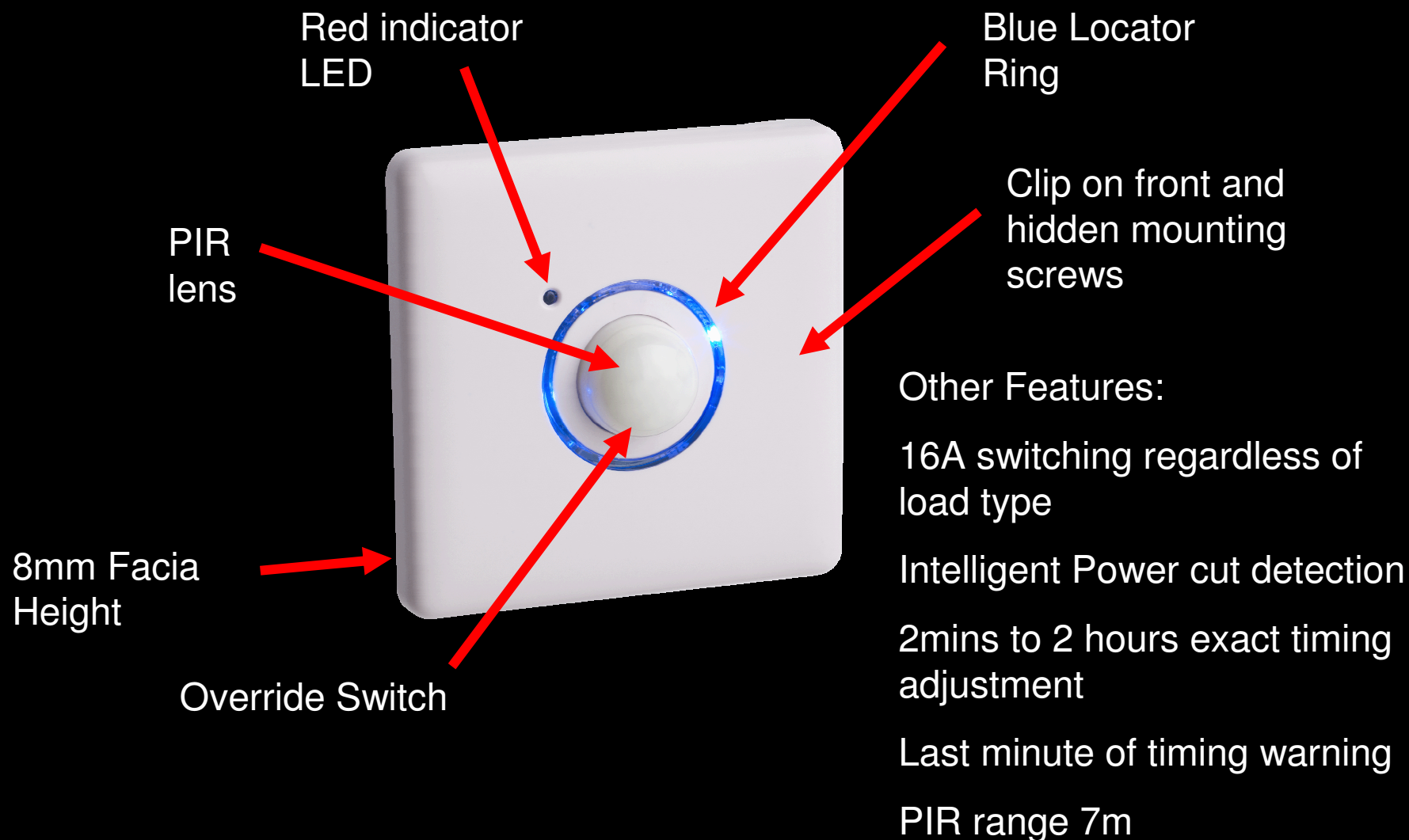


# Push & Touchbutton Features



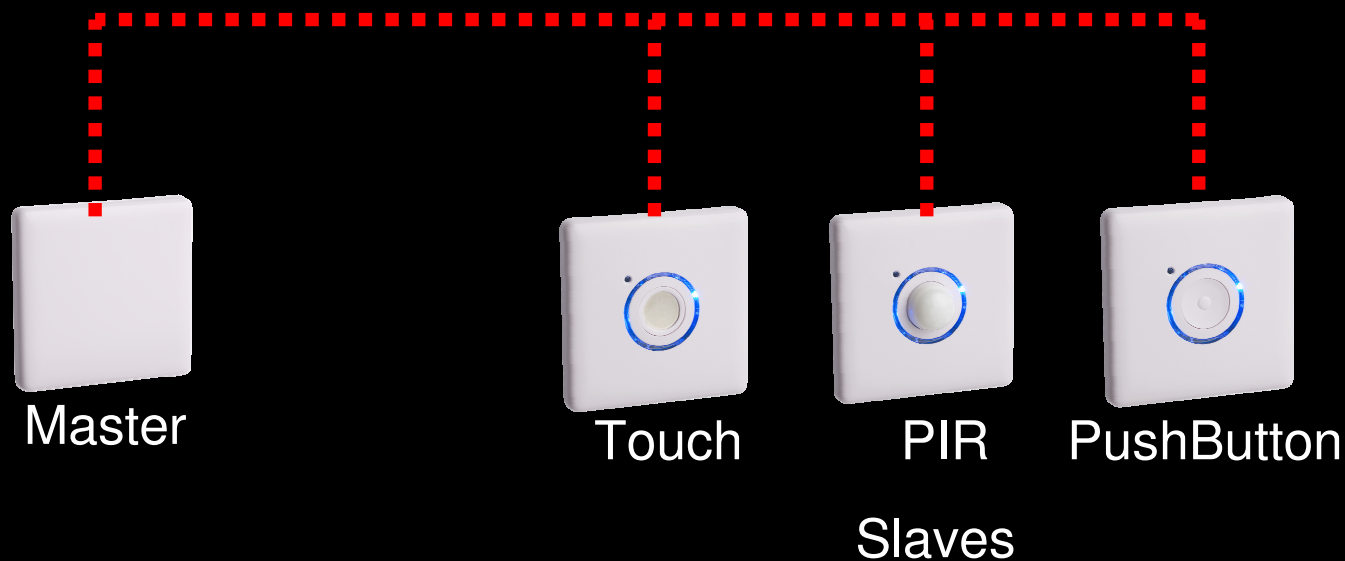


# PIR timer features



# Multi-functional

The Slave range offers multiple way switching with the flexibility of being able to use any type of product or a combination of different products in one location:



# Where it can be used

The energy management products can be used for endless applications, mostly where areas are not occupied constantly:



Store  
Rooms



Stairwells



Corridors



Toilets

The **energyoutdoor** range open up applications for outside use, for example with the new smoking ban coming in place, lighting and heating a shelter in the winter months:



# APPROVALS

Externally certified to

BS EN 60669-1:2000 — Switches for household and similar fixed-electrical installations

BS EN 60669-2-1:2004 — Particular Requirements — Electronic Switches

BS EN 60669-2-3:1999 — Time Delay Switches (TDS)

## UNIQUE FEATURES OF ELKAY:

- 16A switching regardless of load type — **New Patented Technology**
  - Power cut detection with automatic reset — **New to Market**
    - Re-trigger — **Only available on certain products**
    - Time cancellation — **Only available on certain products**
      - Exact timing — **Timed by quartz crystal**
  - Hidden screws — **Only available on standard on/off switches**
- Mix and match Slave and Masters between product types — **New to market**

# Custom Light

- A unique, fully programmable lighting control.
  - Replaces existing lighting control
  - Dimmer switch
  - Dawn simulation
  - Child night light
  - Security light
  - Visual programmable interface
  - Battery backup
  - Backlit screen with adjustable brightness



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- Save Time
- Save Hassle
- Save Energy



**Save the Planet**

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