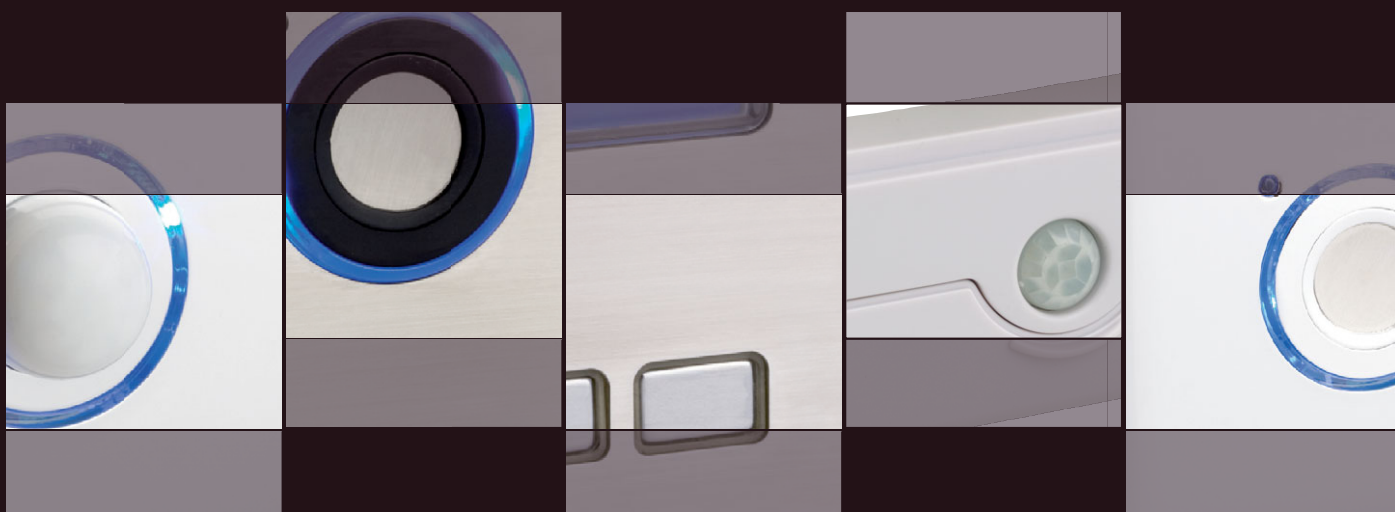# **energy**management

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

energysense

energystyle

energyoutdoor

Elkay

intelligent energy management
at your fingertips

Welcome to the new, innovative and intelligent **energy**range of products from Elkay Electrical.

The **energy**range includes three different product categories - **energy**sense, **energy**style and **energy**outdoor which not only give better control of lighting, heating and other load applications, but also offer enhanced safety and security benefits.

Founded in 1926, Elkay Electrical has built an enviable reputation at the forefront of electrical manufacturing. As an ISO9001 and ISO14001 accredited company, with over 20 years' experience in energy management, the latest range is the culmination of research into new technologies and increasing consumer requirements.

Offering unique features and increased functionality to the highest design specifications, the new range is tested and certified to BS EN60669.

For ease of use, Elkay Electrical has designed all of its products to be easily installed, with a minimum of disruption to new builds. The **energy**range can, more importantly, be retrofit into existing commercial and domestic buildings.

During the development of the innovative **energy**range, Elkay Electrical has applied for, and been granted, several patents for new technologies including the unique method of switching

16 Amp current regardless of load type, a market first for time delay switches.

With rising energy costs and increasing concerns about the environmental impact of energy consumption there is a need to find and implement practical measures to save energy and limit carbon emissions. All of these issues are addressed by the **energy**range.

As you would expect from Elkay, the introduction of this new range is also accompanied by innovative customer support features:

With **carbon**calc, individuals now have an easy to use, simple way of calculating current energy usage and potential savings both financial and in terms of carbon emissions - from installing a product from the **energy**range.
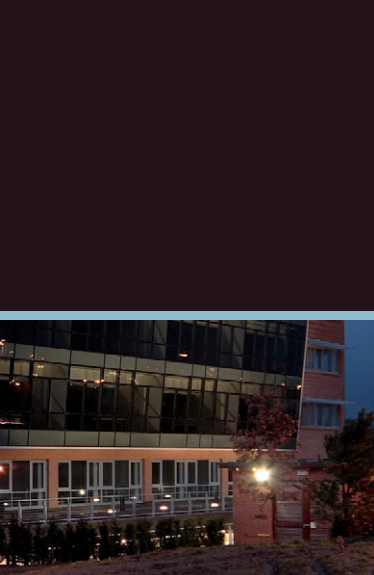
Elkayweb, offers easy access to every product in the **energy**range including technical specifications and wiring diagrams along with details of your nearest Elkay stockist. There is also the ability to sign up for regular email updates on the latest product news and technical developments.

Whatever the installation, the new **energy**range from Elkay Electrical provides a practical and stylish way of saving energy in domestic or commercial buildings, without costing the earth.

Elkay

www.elkay.co.uk   © 2009 CMPL

contents

quick reference guide

Timing Range	Max loading	IP rating	PIR sensor	Reduces cost	Blue locator ring
Slave units	Red LED	Lux level adjuster	Reduces CO_2	Power search	Retrofit

Elkay products are packed with features and to help you select the right product, we have developed a "quick reference" guide to help you see instantly which generic features apply to each product. For any additional features and benefits, please see each product description. All wiring diagrams and technical information are at the rear of this catalogue – see pages 31 - 41.
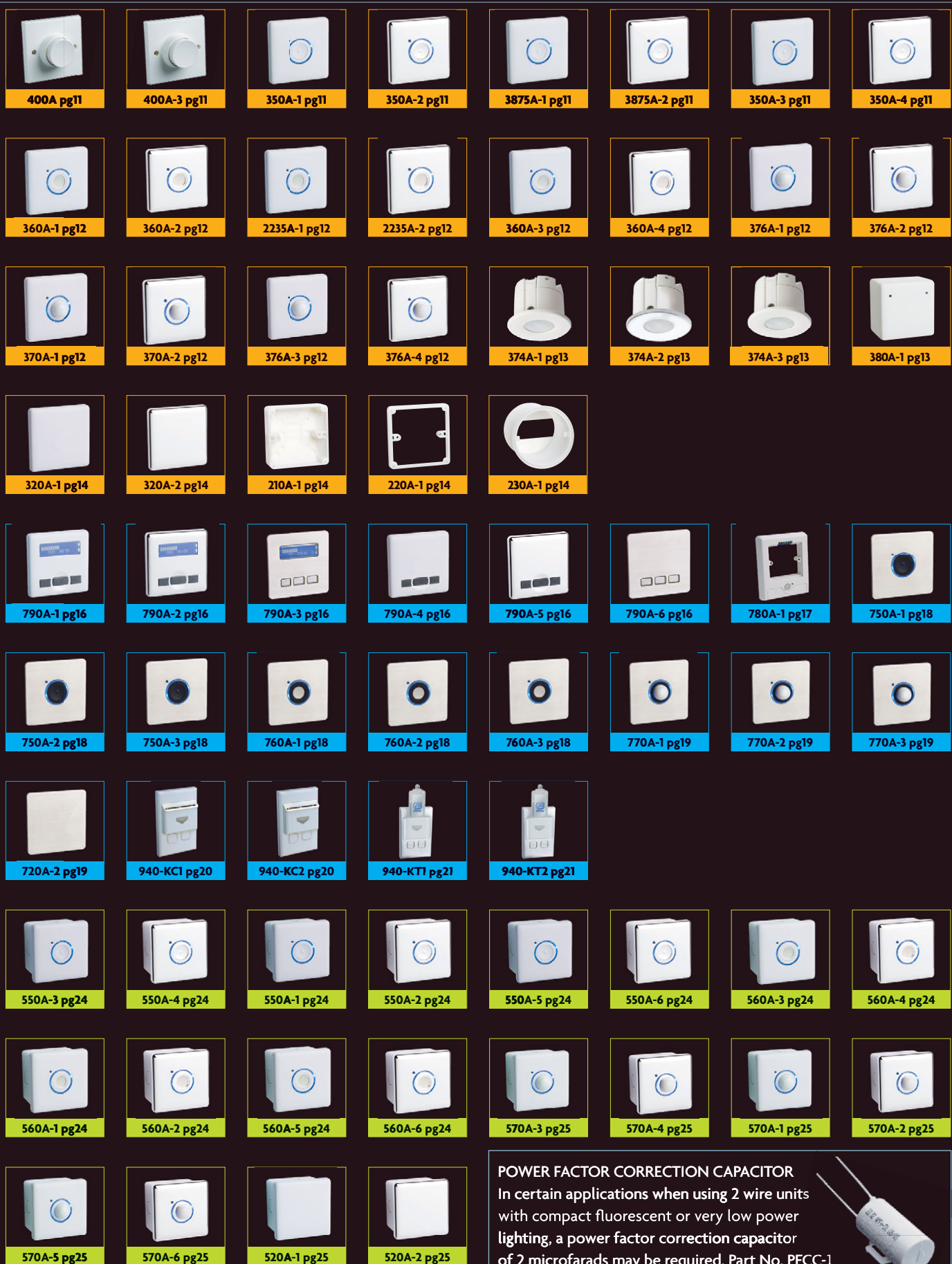For all enquiries, contact +44 (0) 1675 468232

sense / style / outdoor

	Part Number	White	Chrome	Stainless Steel Metal Flush Plate	Hidden Screws	Fascia Plate Height	Back Box Depth	Blue In Dark Locator Ring	Red Signal LED	Neutral Required	Max Load Rating @ 240V Resistive	Max Load Rating @ 240V Incandescent	Max Load Rating @ 240V Fluorescent	Max Load Rating @ 240V Compact Fluorescent	Timing Range	Lux Level Adjustment	Timing Cancellation	Timing Re-Trigger	Intelligent Power Search Facility	Use with Slaves	IP Rating	Programmable
energysense																						
columbus®timer - Normally Open Switch	400A	✓	-	-	-	10mm	20mm	-	-	No	6A	6A	3A	3A	10sec-10min	-	-	✓	-	-	-	-
columbus®timer - Change Over Switch	400A-3	✓	-	-	-	10mm	20mm	-	-	No	6A	6A	3A	3A	10sec-10min	-	-	-	-	-	-	-
pushbuttontimer 2 Wire	350A-1	✓	-	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
pushbuttontimer 2 Wire	350A-2	-	✓	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
pushbuttontimer 3 Wire	3875A-1	✓	-	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
pushbuttontimer 3 Wire	3875A-2	-	✓	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
pushbuttontimer Slave	350A-3	✓	-	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
pushbuttontimer Slave	350A-4	-	✓	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
touchtimer 2 Wire	360A-1	✓	-	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
touchtimer 2 Wire	360A-2	-	✓	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
touchtimer 3 Wire	2235A-1	✓	-	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
touchtimer 3 Wire	2235A-2	✓	✓	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
touchtimer Slave	360A-3	✓	-	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
touchtimer Slave	360A-4	-	✓	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PIRtimer 2 Wire	376A-1	✓	-	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	-	-
PIRtimer 2 Wire	376A-2	-	✓	-	✓	8mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	-	-
PIRtimer 3 Wire	370A-1	✓	-	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	-	✓	-	-
PIRtimer 3 Wire	370A-2	-	✓	-	✓	8mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	-	✓	-	-
PIRtimer Slave	376A-3	✓	-	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-
PIRtimer Slave	376A-4	-	✓	-	✓	8mm	25mm	✓	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-
PIRtimer Ceiling Mount PIR 3 Wire	374A-1	✓	-	-	✓	4mm	-	-	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	-	-
PIRtimer Ceiling Mount PIR 3 Wire	374A-2	-	✓	-	✓	4mm	-	-	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	-	-
PIRtimer Ceiling Mount PIR Slave	374A-3	✓	-	-	✓	4mm	-	-	✓	-	-	-	-	-	-	✓	✓	✓	-	-	-	-
remotetimer 3 Wire	320A-1	✓	-	-	✓	8mm	25mm	-	-	Yes	16A	16A	16A	16A	2min-2h	-	-	-	✓	✓	-	-
microwavetimer 3 Wire	380A-1	✓	-	-	✓	8mm	30mm	-	-	Yes	16A	16A	16A	16A	2min-2h	✓	-	✓	-	✓	-	-
energystyle																						
customlight White Finish	790A-1	✓	-	-	✓	8mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	✓
customlight Chrome Finish	790A-2	-	✓	-	✓	8mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	✓
customlight Flush Plate	790A-3	-	-	✓	✓	4mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	✓
customlight Slave White Finish	790A-4	✓	-	-	✓	8mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	-
customlight Slave Chrome Finish	790A-5	-	✓	-	✓	8mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	-
customlight Slave Flush Plate	790A-6	-	-	✓	✓	4mm	25mm	-	-	No	-	1.6A	n/a	n/a	-	-	-	-	-	-	-	-
welcomelight Standard Unit	780A-1	✓	-	-	-	20mm	16mm	-	-	No	-	1A	1A	1A	20sec-20min	✓	-	-	-	-	✓	-	-
pushbuttontimer 2 Wire Metal Flush Plate	750A-1	-	-	✓	✓	4mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
pushbuttontimer 3 Wire Metal Flush Plate	750A-2	-	-	✓	✓	4mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
pushbuttontimer Slave Metal Flush Plate	750A-3	-	-	✓	✓	4mm	25mm	✓	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
touchtimer 2 Wire Metal Flush Plate	760A-1	-	-	✓	✓	4mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	-	-
touchtimer 3 Wire Metal Flush Plate	760A-2	-	-	✓	✓	4mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	-	-
touchtimer Slave Metal Flush Plate	760A-3	-	-	✓	✓	4mm	25mm	✓	✓	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PIRtimer 2 Wire Metal Flush Plate	770A-1	-	-	✓	✓	4mm	25mm	✓	✓	No	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	-	-
PIRtimer 3 Wire Metal Flush Plate	770A-2	-	-	✓	✓	4mm	25mm	✓	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	-	✓	-	-
PIRtimer Slave Metal Flush Plate	770A-3	-	-	✓	✓	4mm	25mm	✓	✓	-	-	-	-	-	-	✓	✓	✓	-	-	-	-
remotetimer 3 Wire Metal Flush Plate	720A-2	-	-	✓	✓	4mm	25mm	-	-	Yes	16A	16A	16A	16A	2min-2h	-	-	-	✓	✓	-	-
keycard	940-KC1	-	-	-	-	25mm	25mm	✓	-	No	2x20A	2x20A	2x20A	2x20A	-	-	-	-	-	-	-	-
keycard	940-KC2	✓	-	-	-	25mm	25mm	✓	-	No	2x20A	2x20A	2x20A	2x20A	-	-	-	-	-	-	-	-
keytag	940-KT1	✓	-	-	-	25mm	25mm	✓	-	No	2x20A	2x20A	2x20A	2x20A	-	-	-	-	-	-	-	-
keytag	940-KT2	✓	-	-	-	25mm	25mm	✓	-	No	2x20A	2x20A	2x20A	2x20A	-	-	-	-	-	-	-	-
energyoutdoor																						
pushbuttontimer 2 Wire	550A-3	✓	-	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-
pushbuttontimer 2 Wire	550A-4	-	✓	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-
pushbuttontimer 3 Wire	550A-1	✓	-	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	IP66	-
pushbuttontimer 3 Wire	550A-2	-	✓	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	IP66	-
pushbuttontimer Slave	550A-5	✓	-	-	✓	65mm	-	✓	-	-	-	-	-	-	-	-	✓	✓	-	✓	IP66	-
pushbuttontimer Slave	550A-6	-	✓	-	✓	65mm	-	✓	-	-	-	-	-	-	-	-	✓	✓	-	✓	IP66	-
touchtimer 2 Wire	560A-3	✓	-	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-
touchtimer 2 Wire	560A-4	-	✓	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-
touchtimer 3 Wire	560A-1	✓	-	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	IP66	-
touchtimer 3 Wire	560A-2	-	✓	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	-	✓	IP66	-
touchtimer Slave	560A-5	✓	-	-	✓	65mm	-	✓	-	-	-	-	-	-	-	-	✓	✓	-	✓	IP66	-
touchtimer Slave	560A-6	-	✓	-	✓	65mm	-	✓	-	-	-	-	-	-	-	-	✓	✓	-	✓	IP66	-
PIRtimer 2 Wire	570A-3	✓	-	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	IP66	-
PIRtimer 2 Wire	570A-4	-	✓	-	✓	65mm	-	✓	✓	No	16A	16A	16A	16A	2min-2h	✓	✓	✓	✓	✓	IP66	-
PIRtimer 3 Wire	570A-1	✓	-	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	-	✓	IP66	-
PIRtimer 3 Wire	570A-2	-	✓	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	✓	✓	✓	-	✓	-	-
PIRtimer Slave	570A-5	✓	-	-	✓	65mm	-	✓	-	-	-	-	-	-	-	✓	✓	✓	-	✓	-	-
PIRtimer Slave	570A-6	-	✓	-	✓	65mm	-	✓	-	-	-	-	-	-	-	✓	✓	✓	-	✓	IP66	-
remotetimer 3 Wire	520A-1	✓	-	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-
remotetimer 3 Wire	520A-2	-	✓	-	✓	65mm	-	✓	✓	Yes	16A	16A	16A	16A	2min-2h	-	✓	✓	✓	✓	IP66	-

Elkay

400A pg11 | 400A-3 pg11 | 350A-1 pg11 | 350A-2 pg11 | 3875A-1 pg11 | 3875A-2 pg11 | 350A-3 pg11 | 350A-4 pg11

360A-1 pg12 | 360A-2 pg12 | 2235A-1 pg12 | 2235A-2 pg12 | 360A-3 pg12 | 360A-4 pg12 | 376A-1 pg12 | 376A-2 pg12

370A-1 pg12 | 370A-2 pg12 | 376A-3 pg12 | 376A-4 pg12 | 374A-1 pg13 | 374A-2 pg13 | 374A-3 pg13 | 380A-1 pg13

320A-1 pg14 | 320A-2 pg14 | 210A-1 pg14 | 220A-1 pg14 | 230A-1 pg14

790A-1 pg16 | 790A-2 pg16 | 790A-3 pg16 | 790A-4 pg16 | 790A-5 pg16 | 790A-6 pg16 | 780A-1 pg17 | 750A-1 pg18

750A-2 pg18 | 750A-3 pg18 | 760A-1 pg18 | 760A-2 pg18 | 760A-3 pg18 | 770A-1 pg19 | 770A-2 pg19 | 770A-3 pg19

720A-2 pg19 | 940-KC1 pg20 | 940-KC2 pg20 | 940-KT1 pg21 | 940-KT2 pg21

550A-3 pg24 | 550A-4 pg24 | 550A-1 pg24 | 550A-2 pg24 | 550A-5 pg24 | 550A-6 pg24 | 560A-3 pg24 | 560A-4 pg24

560A-1 pg24 | 560A-2 pg24 | 560A-5 pg24 | 560A-6 pg24 | 570A-3 pg25 | 570A-4 pg25 | 570A-1 pg25 | 570A-2 pg25

570A-5 pg25 | 570A-6 pg25 | 520A-1 pg25 | 520A-2 pg25

POWER FACTOR CORRECTION CAPACITOR
In certain applications when using 2 wire units with compact fluorescent or very low power lighting, a power factor correction capacitor of 2 microfarads may be required. Part No. PFCC-1

elkayweb

instant information from Elkay

For more information on all the Elkay ranges plus energy management products including **energy**sense, **energy**style and **energy**outdoor, log on to our NEW web site at www.elkay.co.uk

The website includes many new features;

- Energy calculator - which allows you to calculate savings to be made by using the Elkay energy management range.

- Entire searchable product range - by type, part number or application.

- On-line marketing and technical areas - register to download PDF data sheets and wiring diagrams.

- Search for you nearest distributor.

- Register to receive Elkay e-newsletter for the latest updates and product information.

Elkay

www.elkay.co.uk

a practical step to reducing our impact

Climate change is a serious problem that affects us all. There is now an overwhelming body of scientific evidence that emissions of greenhouse gases are changing the world's climate.

The main greenhouse gas is carbon dioxide (CO_2), produced when we burn fossil fuels like coal, oil and gas for energy. It is estimated that the 160 million buildings in the EU use over 40% of Europe's energy and create over 40% of its carbon dioxide emissions and that proportion is increasing.

Reducing energy consumption therefore not only saves money, but also will reduce our carbon footprint. The new **energy**range from Elkay provides a cost effective practical step along this important journey.

Backing up the science, the UK government passed the Climate Change Act 2008 which introduces the world's first long-term legally binding framework to tackle climate change. The Act aims to encourage the transition to a low-carbon economy in the UK through unilateral legally binding emissions reduction targets. This means a reduction of at least 34 percent by 2050. Introducing these carbon budgets now will ensure we meet the targets for 2050 and beyond.

This is enforced by EU Energy Performance Directives, which now stipulate key areas for improvement in the energy performance of buildings. Amongst other things, these include a required methodology to calculate integrated energy performance of buildings and an obligation to minimise energy consumption in new buildings, as well as large renovation projects.

The new Elkay **energy**range gives architects, planners and electrical contractors a broad selection of simple but highly effective solutions to minimize the amount of energy used in all types of commercial and industrial environments.

In a domestic setting, the **energy**range gives an excellent opportunity to increase style and functionality around the home, whilst making an important contribution to the reduction in our carbon footprint at the same time.

And with **carbon**calc, there is an effective tool for all groups to calculate and quantify potential savings from fitting an Elkay energy saving product.

carboncalc

Product video

The new carboncalc from Elkay is a simple but highly effective way of calculating energy usage and cost, both in terms of monetary cost and carbon emissions.

It is a portable tool which allows specifiers, architects and even private homeowners to calculate the current energy consumption of a room and estimate the savings that can be achieved by installing Elkay energy management products.

The **carbon**calc works by answering a series of simple questions - for instance the number and wattage of lights in a room - and inputting the answers into the handheld device. It then calculates the annual energy bill and associated carbon dioxide emissions of that room. By aggregating data from each room, total values for an entire building can be calculated by using the **carbon**calc.

The information generated by using the Elkay **carbon**calc will be of significant value when considering capital investment decisions, as well as meeting the requirements for the Part L Regulations in calculating the energy performance of the building.

From the information given, the Elkay **carbon**calc can calculate:

- Existing annual electricity usage – in kWh
- Existing annual emissions – in kg of CO_2
- New annual electricity usage if an Elkay energy management product is fitted – in kWh
- New annual CO_2 emissions if an Elkay energy management product is fitted – in kg of CO_2
- Existing annual cost – in monetary value
- New annual cost - if an Elkay energy management product is fitted – in monetary value
- Annual savings by using an Elkay energy management product – in monetary value
- Annual reduction in CO_2 emissions by using an Elkay energy management product – in kg of CO_2

Key Features:

- ■ Portable
- ■ Easy to use
- ■ Calculates energy
- ■ Battery powered
- ■ Blue back lit display
- ■ Auto power off

Elkay

www.elkay.co.uk

how we can really save your business money

Businesses of all sizes have never been more aware of the need to reduce energy consumption. The media is full of stories of how industry contributes to carbon emissions; there is pressure from Government and the public alike to demonstrate corporate responsibility, not to mention the spiralling costs of fuel – all of which contribute to make reducing energy consumption a necessity rather than a luxury.

But where do you begin? How can you be sure you're cutting costs not corners? After all you're in business to make a profit and cannot afford to cut energy consumption at the expense of running your business.

This is where Elkay can help. Decades of experience in energy management have given us the expertise to come into your organization and carry out a complete audit of your energy expenditure.

When we undertake an Energy Survey, we'll tell you not only where you are wasting energy but recommend practical steps, by utilizing the Elkay **energy**range, to reduce waste and tell you exactly how much you'll save – in terms of energy output and money.

It's a service which many blue-chip companies have already taken advantage of – and the savings can be staggering. For example, the average High Street bank emits seven tonnes of CO_2 each year just by powering lights in back office areas and leaving them on all day, these were found to be areas of low occupancy. This can be reduced to just one tonne by controlling the lighting to be on only when the room is occupied. In financial terms, this will reduce the lighting bill in the back office by an average 85 percent, leading to an approximate 15 per cent reduction on the overall energy bill for the branch.

To reinforce these findings, one nationally known UK retailer has cut their energy bill for lighting in back of shop by a massive 87 percent at just one of their branches after implementing the recommendations made in their energy survey.

To find out more about Elkay Energy Surveys or to arrange one for your business call **01675 468232** or email **energysurveys@elkay.co.uk**

energysense

The energysense range from Elkay Electrical provides a simple and highly cost effective way of saving energy, which can be as easily installed in existing buildings as it can be incorporated into new build schemes.

With a wide choice of timer controls for lighting and other types of electrical loads, products across the energysense range provide a fast track route to substantial reduction both in energy bills and carbon emissions.

From the Columbus® pneumatic time delay switch to intelligent pushbutton, touch and PIR timers, the energysense range offers extensive features, attractive styling and practical solutions.

quick reference guide

| Retrofit | Slave units | Reduces CO₂ | Timing Range | Max loading | IP rating | PIR sensor | Reduces costs | Blue locator ring | Red LED | Lux level adjuster | Power search |

(icons: Retrofit, Slave units, Reduces CO_2, Timing Range, 16A Max loading, IP66 IP rating, PIR sensor, £ Reduces costs, Blue locator ring, RED Red LED, Lux level adjuster, Power search)

columbus®timer

Pneumatic time delay switch

See page 31 for wiring diagram

Columbus®timer is an easy to fit and cost effective way of automatically turning lighting off after a set period of time. Pushing the button switches the contacts and activates the time delay, which can be set at installation anywhere between 10 seconds and 10 minutes.

The unit has normally open or change over contacts as standard and can be fitted to existing single gang switches, making it a perfect low cost energy saving solution in areas such as stairways and storerooms.

Key Features:

- For fluorescent and incandescent lighting
- Available in white finish
- No neutral required
- Replaces existing single gang wall switch

columbus®timer	Configuration	Finish	Rating	Product Code
columbus®timer	Normally open contact arrangement	white	6A-240V	400A
columbus®timer	change over contact arrangement	white	6A-240V	400A-3

(icons: 10sec-10min, 6A, £, CO₂, Retrofit)

pushbuttontimer

Electronic time delay switch

See page 31 for wiring diagram

A stylish, electronic time delay switch for lighting and other power use, the pushbuttontimer can replace an existing switch to provide energy saving functionality by timing lighting and power sources off to avoid unnecessary power usage.

This intelligent unit provides variable timing selection, with a backlit blue neon indicator ring aiding location in the dark. It also has the ability to latch back on to the mains power supply and reset in the event of a power cut.

The one touch pushbuttontimer is available as 2 wire, 3 wire and slave switch options for multi-way applications.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Concealed fixing screws
- Last minute indicator
- Time cancellation functions

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

Patent pending

pushbuttontimer	Configuration	Finish	Rating	Product Code
pushbuttontimer	3 wire	white	16A-240V	3875A-1
pushbuttontimer	3 wire	chrome	16A-240V	3875A-2
pushbuttontimer	2 wire*	white	16A-240V	350A-1
pushbuttontimer	2 wire*	chrome	16A-240V	350A-2
pushbuttontimer	slave	white	16A-240V	350A-3
pushbuttontimer	slave	chrome	16A-240V	350A-4

(icons: 2min-2h, 16A, £, Blue locator ring, RED, Power search, CO₂, Slave units, Retrofit)

touchtimer

Electronic time delay switch

See page 31 for wiring diagram

Feather light touch

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

T**he energysense touchtimer offers energy saving features at the lightest of touches.**

With the reliability of a fully electronic unit, with no mechanical moving parts, it has all the features of the Elkay pushbuttontimer unit with the additional benefit of tactile, feather light touch activation.

Variable timing selection, a backlit blue neon indicator ring and automatic reset are all part of this feature-packed device. It is also suitable for multi-way applications thanks to 2 wire, 3 wire and slave switch options.

Key Features:

- Feather light touch activation
- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger and cancellation function
- Concealed fixing screws
- Last minute indicator

Patent pending

touchtimer	Configuration	Finish	Rating	Product Code
touchtimer	3 wire	white	16A-240V	2235A-1
touchtimer	3 wire	chrome	16A-240V	2235A-2
touchtimer	2 wire*	white	16A-240V	360A-1
touchtimer	2 wire*	chrome	16A-240V	360A-2
touchtimer	slave	white	16A-240V	360A-3
touchtimer	slave	chrome	16A-240V	360A-4

pirtimer

Passive Infra Red (PIR) timer switch

See page 32 for wiring diagram

Product video

T**he pirtimer is a fully automatic device which controls various power loads through the detection of body heat.**

Activated by the detection of moving body heat, the lighting or power source will then stay on for a preset period of time. If body heat is no longer detected, the time period will elapse and the load will be switched off.

An internal light sensor will keep the lighting switched off when sufficient ambient light is available, further increasing the energy saving potential of the pirtimer. The unit also has an override switch on the faceplate.

By removing user interaction, the pirtimer has ultimate reliability, resulting in a "fit and forget" way of introducing active energy management.

Key Features:

- Passive Infra Red movement sensor
- For general purpose loads including resistive loads and incandescent / fluorescent lighting
- Re-trigger function
- Concealed fixing screws
- Last minute indicator

Override switch

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

Patent pending

pirtimer	Configuration	Finish	Rating	Product Code
pirtimer	3 wire	white	16A-240V	370A-1
pirtimer	3 wire	chrome	16A-240V	370A-2
pirtimer	2 wire*	white	16A-240V	376A-1
pirtimer	2 wire*	chrome	16A-240V	376A-2
pirtimer	slave	white	16A-240V	376A-3
pirtimer	slave	chrome	16A-240V	376A-4

Elkay

quick reference guide

Retrofit	Slave units	Reduces CO₂	Timing Range	Max loading	IP rating	PIR sensor	Reduces costs	Blue locator ring	Red LED	Lux level adjuster	Power search

ceilingmountpir

Ceiling mounted (PIR) timer

See page 31, 35 & 36 for wiring diagram

Product video

This pirtimer unit has been designed for ceiling mounting and includes spring fixing arms for quick and easy installation. This compact unit, once installed, sits flush mounted in the ceiling.

The ceilingmountpir is activated by the detection of moving body heat and has the added feature of a red indicator LED to signify when the timing has been re-triggered and the unit is in its final minute of operation.

This intelligent unit provides variable timing selection from 2 minutes to 2 hours and the ceilingmountpir features a removable bezel for easy access to timing and lux adjustment when in situ.

An internal light sensor will keep the lighting switched off when sufficient ambient light is available, therefore increasing potential energy saving.

Key Features:

- Passive Infra Red movement sensor
- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Easy fit – secure arm fixing
- Compact 64mm diameter fitting

Patent pending

ceilingmountpir	Configuration	Finish	Rating	Product Code
ceilingmountpir	3 wire	white	16A-240V	374A-1
ceilingmountpir	3 wire	chrome	16A-240V	374A-2
ceilingmountpir	slave	white	16A-240V	374A-3
ceilingmountpir	slave	chrome	16A-240V	374A-4

microwavetimer

Microwave sensor

See page 40 for wiring diagrams

This microwave sensor is a high perforfance presence detector with a built in Lux level and sensativity adjustment that is ideal for corridors, and other larger areas.

The microwave sensor sends out an electromagnetic wave over a range of up to 30 metres. Any disturbance of the frequency in that wave from a moving object within the detection zone will activate the unit.

Key Features

- 16amp switching regardless of load type
- Timing from 2minutes to 2 hours
- Lux level/Daylight adjustment
- Clip on front cover to conceal screws
- Adjustment on the sensitivity
- Option to retrofit into existing systems

microwavetimer	Configuration	Finish	Rating	Product Code
microwave	3 wire	white	16A-240V	380A-1

Call +44 (0) 1675 468232 or click www.elkay.co.uk

energysense

A range of energy saving timers and sensors

remotetimer

Remote activated timer switch

See page 32 for wiring diagrams

The remotetimer is suitable for use in inaccessible areas, such as stairwells and corridors, using remote slave activator switches to operate the timer. The unit has a blank faceplate and is therefore tamper proof.

The remotetimer is designed for general purpose loads, which enables it to be used on a variety of applications from lighting through to heating and ventilation. On installation, timing delay can be set for periods of between 2 minutes and 2 hours and it is available as 3 wire options in white or chrome finish.

Key Features

- For general purpose loads including resisitive loads and incandescent/fluorescent lighting
- Adjustable from 2 minutes to 2 hours
- Clip on front plate 8mm deep
- 16 Amp max load regardless of load type
- Works in conjunction with all Elkay slave switches

Patent pending

remotetimer	Configuration	Finish	Rating	Product Code
remotetimer	3 wire	white	16A-240V	320A-1
remotetimer	3 wire	chrome	16A-240V	320A-2

2min - 2h   16A   £   CO₂

Slave Switch Units

Slave switches are available and can be used in conjunction with the **pushbutton**timer, **touch**timer, **pir**timer and **ceilingmount**pir. All slave switches can be used in conjunction with any of the Elkay electronic **energy**range products. See page 4/5 for choice of finishes and technical specifications. Three wires are required between the master and slave where the third wire is required for the blue indicator ring

accessories

For use with the energysense range

To continue the retrofit theme, Elkay offers a range of accessories for its energysense range that will enable the products to fit in almost any location.
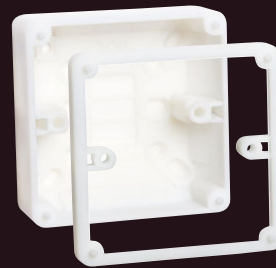
Wall surface mount box
Wall spacer plate

Wall surface mount box – Specifically designed to mount any energysense product on a surface where cavity back boxes cannot be used.

Wall Spacer plate – Designed to fit between an energysense product and the wall where standard 16mm cavity back boxes have already been installed, saving installation time and not having to replace cavity back box with a 25mm deep box.

Key Features

- Retrofit
- Fits into almost any location

accessories	Finish	Product Code
wall surface mount box	white	210A-1
wall spacer plate	white	220A-1

Ceiling surface mount box

Ceiling mount Surface box – Where cavity ceiling or access into ceiling areas is not available, the ceiling mount surface box can be used to install the 375A series of ceiling mount PIR's direct to the surface of the ceiling.

Key Features

- Retrofit
- Fits into almost any location

accessories	Finish	Product Code
ceiling surface mount box	white	230A-1

Elkay

energystyle

Offering a unique range of energy management products, incorporating 'state-of-the-art electronics', from intelligent pushbutton timers through to the fully programmable customlight, energystyle offers the most advanced and stylish solution to energy management.

With contemporary brushed stainless steel faceplates to complement today's wiring accessories, all the models in the range have the ability to be retrofitted and are easy to install.

With a wide range of applications energystyle represents intelligent solutions and multi-functionality in both commercial and domestic settings.

WED   15:46   D

customlight

Product video

Fully programmable lighting control
See page 34 for wiring diagram

A unique, fully programmable lighting control, customlight is designed to be incorporated into an existing lighting system. As a dimmer switch, the LCD displays day and time, together with the level of illumination.

Dusk and dawn simulation allows the light to diminish or increase over a pre-set time period, aiding restful sleep and easing the waking process. The slow increase in morning light is thought to be particularly beneficial to people suffering from Seasonal Affective Disorder (SAD).

In night light mode, customlight gradually reduces the light levels or can leave the light on for a timed period before eventually turning the light off to save energy.

For security, customlight can be pre-set for up to five separate on/off periods to control lights, giving the appearance of occupancy.

In two way operation, the customlight slave is available allowing full dimming and on/off control or can be used with a conventional light switch for on/off control.

Ideal for SAD

Key Features:

- Replaces existing lighting control
- Dimmer switch
- Dawn simulation
- Child night light
- Security light
- Visual programmable interface
- Battery backup
- Backlit screen with adjustable brightness
- No neutral required

Patented

customlight	Configuration	Finish	Rating	Product Code
customlight	2 wire	white	400W-240V	790A-1
customlight	2 wire	chrome	400W-240V	790A-2
customlight	2 wire	flush plate	400W-240V	790A-3
customlight	slave	white	400W-240V	790A-4
customlight	slave	chrome	400W-240V	790A-5
customlight	slave	flush plate	400W-240V	790A-6

Winner of 'Best Natural Health Product' Natural Trade Show - Brighton 2006

10mins - 4h   1.6A   £ CO_2

Elkay

quick reference guide

Retrofit	**Slave units**	**Reduces CO₂**	**Timing Range**	**16A** Max loading	**IP66** IP rating	**PIR sensor**	**£** Reduces costs	**Blue locator ring**	**RED** Red LED	**Lux level adjuster**	**Power search**

welcomelight

pir/security timer
See page 35 for wiring diagram

Welcomelight is a retrofit pir/security light that fits behind an existing light switch, immediately converting it into a movement sensor. It automatically turns on the lights when a room is entered and turns them off, after a set time period, once the room has been vacated.

Set in security mode, welcomelight can also switch lights on when darkness falls to simulate occupancy. Providing additional flexibility, welcomelight can be overridden and used in normal operation as a standard light switch.

Product video

Key Features:
- Converts light switch into a movement sensor
- Easy to fit using existing light switch
- Switches lights on and off automatically
- Security mode to switch lights on and off when absent from property
- Adjustable PIR time delay: 1 – 20 minutes
- Adjustable security time delay: 1 minute to 4 hours
- No neutral required
- Lux level adjustment

Patented

***PFCC-1**
may be required on 2 Wire devices when switching compact flourescents or low power lighting

Uses existing light switch

welcomelight	Configuration	Finish	Rating	Product Code
welcomelight	2 wire*	white	250W-240V	780A-1

1min-20min	1min-4h	1A	PIR	£	Lux	CO₂	Slave	Retrofit

pushbuttontimer

Electronic time delay switch
See page 31 for wiring diagram

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

A stylish, electronic time delay switch for lighting and other power use, the pushbuttontimer can replace an existing switch to provide energy saving functionality by timing lighting and power sources off to avoid unnecessary power usage.

This intelligent unit provides variable timing selection, with a backlit blue neon indicator ring also aiding location in the dark. It also has the ability to latch back on to the mains power supply and reset in the event of a power cut.

With styling suitable for use within the most contemporary commercial and domestic installations, the one touch pushbuttontimer is available as a 2 wire, 3 wire and slave switch options for multiple way applications.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Stylish stainless steel flush plate
- Re-trigger function
- Concealed fixing screws
- Last minute indicator
- Time cancellation functions

Patent pending

pushbuttontimer	Configuration	Finish	Rating	Product Code
pushbuttontimer	2 wire*	flush plate	16A-240V	750A-1
pushbuttontimer	3 wire	flush plate	16A-240V	750A-2
pushbuttontimer	slave	flush plate	16A-240V	750A-3

touchtimer

Electronic time delay switch
See page 31 for wiring diagram

The energystyle touchtimer offers superb functionality and energy saving features with the lightest of touches.

With the absence of mechanical moving parts, the touchtimer offers increased reliability with the benefit of feather light touch activation.

The contemporary design is ideal in rooms around the home or the office, enhancing the style of the environment, whilst reducing energy output and providing cost savings.

Variable timing selection, a backlit blue neon indicator ring and automatic reset are all part of this feature-packed device. It is also suitable for multi-way applications with 2 wire, 3 wire and slave switch options.

Key Features:

- Stylish stainless steel flush plate
- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Concealed fixing screws
- Time cancellation function
- Last minute indicator

Feather light touch

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

Patent pending

touchtimer	Configuration	Finish	Rating	Product Code
touchtimer	2 wire*	flush plate	16A-240V	760A-1
touchtimer	3 wire	flush plate	16A-240V	760A-2
touchtimer	slave	flush plate	16A-240V	760A-3

2mins - 2h   16A   £   RED CO_2

2mins - 2h   16A   £   RED CO_2

Elkay

quick reference guide

Retrofit	Slave units	Reduces CO₂	Timing Range	Max loading	IP rating	PIR sensor	Reduces costs	Blue locator ring	Red LED	Lux level adjuster	Power search

pirtimer

Product video

Passive Infra Red (PIR) timer switch
See page 32 for wiring diagram

Override switch

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

For the ultimate in reliability this stylish, slimline pirtimer is activated on detection of moving body heat.

The pirtimer is a fully automatic device which controls lighting and other loads through the detection of moving body heat, providing a contemporary solution to energy saving. The stylishly designed flatplate offers a complementary solution to contemporary commercial and domestic decor.

An internal light sensor can be adjusted to keep the lighting switched off when sufficient ambient light is available, further increasing the energy saving potential of the pirtimer.

Key Features:

- Passive Infra Red movement sensor
- Stylish stainless steel flush plate
- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Concealed fixing screws
- Last minute indicator
- Override switch functionality, incorporating time delay

Patent pending

pir timer	Configuration	Finish	Rating	Product Code
pir timer	2 wire*	flush plate	16A-240V	770A-1
pir timer	3 wire	flush plate	16A-240V	770A-2
pir timer	slave	flush plate	16A-240V	770A-3

energystyle

Contemporary range of timers and sensors to complement your lifestyle

keycard

Energy management isolation switches
See page 35 for wiring diagram

deal for use in hotels, guest houses, student accommodation and commercial premises, the energystyle keycard makes sure electrical devices are automatically switched off as rooms are vacated and the card is removed from the unit.

Keycard is a cost-effective isolation unit that comes in 2 standard variants, with or without external 16 Amp switches, both incorporate 2 internal 20 Amp switches and a neon pocket indicator. Compatible with the latest room card entry systems, removal of the card isolates the electrical devices in the room eliminating waste energy and reducing electric bills.

Keycard is available in white, as standard, with optional faceplates in polished brass and polished or matt silver finishes, allowing the unit to be complementary to a variety of decors. Once installed, it has no visible fixings.
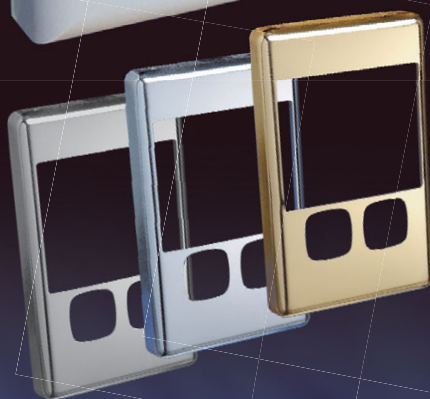
Key Features:

- Eliminates waste energy
- Modular design
- 2 x 20 Amp internal switches as standard
- Neon pocket indicator
- Compatible with modern door entry system
- No visible fixings
- Special configurations available on request
- Available in white with optional faceplates in brass, silver or matt silver finishes

Part No.	Description	Rating
940-KC1	keycard with external switches	240 V
940-KC2	keycard without external switches	240 V
KC-MECH	keycard 20 Amp internal switch	240 V
CP-MS	Matt silver cover plate	240 V
CP-PS	Polished silver cover plate	240 V
CP-PB	Polish brass cover plate	240 V

£   CO₂

Elkay

Retrofit	Slave units	Reduces CO₂	Timing Range	Max loading	IP rating	PIR sensor	Reduces costs	Blue locator ring	Red LED	Lux level adjuster	Power search

keytag

Energy management isolation switches
See page 35 for wiring diagram

The energystyle keytag isolation switch ensures that all electrical devices are switched off when the room is vacated and the tag is removed from the unit.

Ideal for hotels, guest houses, student accommodation and commercial premises, its fitment eliminates wasted energy and reduces electricity bills. Keytag is a cost-effective isolation unit that comes in 2 standard variants, with or without external 16 Amp switches, both incorporate 2 internal 20 Amp switches and a neon pocket indicator. Spare key fobs are available as part of the range.

Keytag is available in white, as standard, and incorporates inserts to cover fixing screws.

Key Features:

- Eliminates waste energy
- Modular design
- 2 x 20 Amp internal switches as standard
- Neon pocket indicator
- Suitable for 25mm single BS back box
- Special configurations available on request

Part No.	Description	Rating
940-KT1	keytag with external switches	240 V
940-KT2	keytag without external switches	240 V
KT-MECH	keytag 20 Amp internal switch	240 V
770T3	Spare keyfob	

energystyle

Contemporary range of timers and sensors to complement your lifestyle

moodlighting

Product video

Ideal for indoor, outdoor, retail, commercial, industrial and domestic applications.

See page 38-39 for wiring diagrams

Elkay's new moodlight is a highly versatile and simple to install lighting system that can set the mood in any environment, and at the same time save enegy.

At the heart of moodlight is an intelligent, dedicated and stylish controller, no larger than a standard light switch, that changes the mood of the high powered, low energy LED downlighters.

The system allows for moods to be set with a variety of colours and simulations:

- Red
- Blue
- Warm colours of sunrise
- Green
- White
- Rainbow effect

The system can even be programmed to generate a timed colour sequence to set the scene at any venue.

Install upto 500 LED lamps

Complete Kit Includes:

- 4 x Colour LED downlights
- 1 x Mood Controller
- 2 x LED drivers
- 2 x CAT 5 splitters & cables

Part No.	Description	Finish
720A-1	mood lighting kit with 4 LED lamps & 1 controller	white
720A-2	mood lighting kit with 4 LED lamps & 1 controller	chrome
720A-3	mood lighting kit with 4 LED lamps & 1 controller	brushed stainless steel

IP68

Elkay

Retrofit | **Slave units** | **Reduces CO₂** | **Timing Range** | **16A Max loading** | **IP68 IP rating** | **PIR sensor** | **£ Reduces costs** | **Blue locator ring** | **RED Red LED** | **Lux level adjuster** | **Power search**

Suitable for a variety of applications both domestic and commercial including:

- Hotels
- Pubs and clubs
- Restaurants
- Exhibition venues
- Patio areas
- Bathrooms Zone 0, 1 and 2
- Submerged in ponds, swimming pools and Jacuzzi's

The controller can run up to **500 of the LED** downlighters allowing for really dramatic effects to be produced of the one controller.

The moodlight system is available in three finishes with the choice of packs allowing for a system to be built up:

- White
- Chrome
- Brushed Stainless

Ideal for commercial & domestic applications

The kits include the required components to build up the systems:

- LED drivers
- Cat 5 cables
- Splitters
- Full instructions

Key Features

- Choose between 6 colour scenes / moods
- Sunset scroll and rainbow scroll
- Program time on each colour
- Install upto a maximum of 500 LED lamps
- IP68 - Zones 0, 1 & 2

Part No.	Description	Finish
710A-1	mood lighting controller	white
710A-2	mood lighting controller	chrome
710A-3	mood lighting controller	brushed stainless steel
771A-1	Firehood	
771A-2	Splitter	

Double Kit Includes:

- 2 x Colour LED downlights
- 2 x LED drivers
- 1 x CAT 5 splitter & cable

Part No.	Description	Finish
715A-1	mood lighting kit with 2 LED lamps & 1 controller	white
715A-2	mood lighting kit with 2 LED lamps & 1 controller	chrome
715A-3	mood lighting kit with 2 LED lamps & 1 controller	brushed stainless steel

IP68

Single Kit Includes:

- 1 x Colour LED downlight
- 1 x LED driver

Part No.	Description	Finish
712A-1	mood lighting kit with 1 LED lamp	white
712A-2	mood lighting kit with 1 LED lamp	chrome
712A-3	mood lighting kit with 1 LED lamp	brushed stainless steel

IP68

sense

style

outdoor

Elkay

energyoutdoor

With Elkay, energy saving can now be extended to suit your outdoor requirements. With the brand new range of energyoutdoor products, ambient and security lighting and power applications can be timer controlled in outdoor environments including parking areas and gardens.

Designed to give IP66 waterproof rating, the easy to fit products are supplied complete with an enclosure, mounting screws and screw cover seals and are suitable for use with M20 cable glands or Adaptalok flexible conduit system.

Offering a choice of pushbutton, touch, PIR and remote timers, energyoutdoor gives function, style and durability to outdoor energy saving.

Elkay

www.elkay.co.uk

pushbuttontimer

Outdoor electronic time delay switch
See page 31 for wiring diagram

Use with M20 cable glands

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

The energyoutdoor pushbuttontimer provides an electronic time delay switch for lighting and other power uses in outdoor environments.

Ideal for use in driveways, gardens and patio areas. This easy to fit and highly cost effective unit offers energy saving functionality by timing lighting and power sources off to avoid unnecessary power usage.

Featuring a backlit blue neon indicator ring to aid location in the dark, these intelligent units have the ability to latch back on to the mains power supply and reset in the event of a power cut.

The unit is supplied with a surface mounted back box with knockouts on five faces, mounting screws and screw cover seals.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Time cancellation function
- Last minute indicator
- 16 Amp max load regardless of load type

Patent pending

pushbutton	Configuration	Finish	Rating	Product Code
pushbutton	3 wire	white	16A-240V	550A-1
pushbutton	3 wire	chrome	16A-240V	550A-2
pushbutton	2 wire*	white	16A-240V	550A-3
pushbutton	2 wire*	chrome	16A-240V	550A-4
pushbutton	slave	white	16A-240V	550A-5
pushbutton	slave	chrome	16A-240V	550A-6

touchtimer

Outdoor electronic time delay switch
See page 31 for wiring diagram

The energyoutdoor touchtimer offers superb functionality and energy saving features with a subtle touch activation for a wide range of outdoor use.

The touchtimer, when used in outdoor environments offers increased reliability as a non-mechanical electronic unit. Knockouts on five faces, mounting screws and seal screw covers make for ease of installation.

Variable timing selection, a backlit blue neon indicator ring and automatic reset are all part of this feature-packed device. It is also suitable for multi-way applications in 2 wire, 3 wire and slave switch options.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Time cancellation function
- Last minute indicator
- 16 Amp max load regardless of load type

Use with M20 cable glands

*PFCC-1 may be required on 2 Wire devices when switching compact flourescents or low power lighting

Patent pending

touchtimer	Configuration	Finish	Rating	Product Code
touchtimer	3 wire	white	16A-240V	560A-1
touchtimer	3 wire	chrome	16A-240V	560A-2
touchtimer	2 wire*	white	16A-240V	560A-3
touchtimer	2 wire*	chrome	16A-240V	560A-4
touchtimer	slave	white	16A-240V	560A-5
touchtimer	slave	chrome	16A-240V	560A-6

2mins - 2h 16A IP66 £ ◯ RED ⇌ CO_2 ▭

2mins - 2h 16A IP66 £ ◯ RED ⇌ CO_2 ▭

Elkay

quick reference guide

Retrofit	**Slave units**	**Reduces CO₂**	**Timing Range**	**Max loading**	**IP rating**	**PIR sensor**	**Reduces costs**	**Blue locator ring**	**Red LED**	**Lux level adjuster**	**Power search**

pirtimer

Passive Infra Red (PIR) timer switch
See page 32 for wiring diagram

Product info

Use with M20 cable glands

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

The pirtimer acts on detection of moving body heat, activating the outdoor lighting or power source, which stays on during the selected time period.

An internal light sensor can be adjusted to keep lighting switched off when sufficient ambient light is available. The unit has an override switch on the faceplate.

This IP66 rated intelligent unit provides variable timing selection and incorporates an override facility. These intelligent units have the ability to latch back on to the mains power supply and reset in the event of a power cut.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Re-trigger function
- Last minute indicator
- 16 Amp max load regardless of load type

Patent pending

pirtimer	Configuration	Finish	Rating	Product Code
pirtimer	3 wire	white	16A-240V	570A-1
pirtimer	3 wire	chrome	16A-240V	570A-2
pirtimer	2 wire*	white	16A-240V	570A-3
pirtimer	2 wire*	chrome	16A-240V	570A-4
pirtimer	slave	white	16A-240V	570A-5
pirtimer	slave	chrome	16A-240V	570A-6

remotetimer

Outdoor remote activated timer switch
See page 32 for wiring diagram

The remotetimer is suitable for use in outdoor environments and can be mounted in inaccessible areas using slave activator switches to operate the timer.

Easy to install and ideal for lighting and other power sources in parking areas, gardens and patios, the unit is supplied with a back box with knockouts on five faces, mounting screws and screw cover seals.

Key Features:

- For general purpose loads including resistive loads and incandescent/fluorescent lighting
- Clip on front plate 8mm deep
- 16 Amp max load regardless of load type

Use with M20 cable glands

Patent pending

remotetimer	Configuration	Finish	Rating	Product Code
remotetimer	3 wire	white	16A-240V	520A-1
remotetimer	3 wire	chrome	16A-240V	520A-2
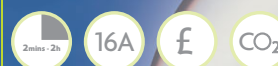
Slave Switch Units

Slave switches are available and can be used in conjunction with the **pushbutton**timer, **touch**timer, **pir**timer and **ceilingmount**pir. All slave switches can be used in conjunction with any of the Elkay electronic **energy**range products. See page 4/5 for choice of finishes and technical specifications. Three wires are required between the master and slave where the third wire is required for the blue indicator ring

energybasic
Energy management switches & controls

energybasic

The new energybasic range from Elkay has been specifically designed to retrofit into projects of any size where energy saving is required.

The range is simple, stylish and easy to install and offers the following benefits.

The energybasic range allows for the following:

▸ 10 Amp rated switching
▸ Adjustable from 2 minutes - 1 hour
▸ Available as 2 wire option for lighting and 3 wire option for all other load types.
▸ Time cancellation for Push Button
▸ Lux level & Daylight Adjustment for PIRs
▸ Stylish design
▸ Retro - Fit
▸ Can be used for multiple switching

Easy to Install and operate

pushbuttontimer

Electronic time delay switch
See page 41 for wiring diagrams

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

pushbuttontimer	Configuration	Finish	Rating	Product Code
pushbuttontimer	3 wire	white	10A-240V	3875B-1
pushbuttontimer	2wire*	white	10A-240V	350B-1

16A £ ◗ CO₂ ◀◀

presencedetector

Passive Infra Red (PIR) timer switch

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

pirtimer	Configuration	Finish	Rating	Product Code
pirtimer	3 wire	white	10A-240V	370B-1
pirtimer	2wire*	white	10A-240V	376B-1

◗ 16A ◎ £ ▯▯▯ CO₂ ◀◀

Elkay

quick reference guide

Retrofit	Reduces CO_2	Timing Range	16A Max loading	IP68 IP rating	PIR sensor	£ Reduces costs	Lux level adjuster

pushbuttontimer

Outdoor electronic time delay switch

*PFCC-1
may be required on 2 Wire devices when switching compact flourescents or low power lighting

pushbuttontimer	Configuration	Finish	Rating	Product Code
pushbuttontimer	3 wire	white	10A-240V	550B-1
pushbuttontimer	2wire*	white	10A-240V	550B-3

ceilingmountpir

Ceiling mounted (PIR) timer

Complete with ceiling surface mount box, white/chrome bezel, terminal cover and cable clamp

ceilingmountpir	Configuration	Finish	Rating	Product Code
ceilingmountpir	3 wire	white	10A-240V	374B-1

accessories

For use with the energybasic range
Wall spacer plate
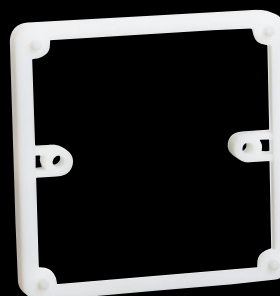
accessories	Finish	Product Code
wall spacer plate	white	220A-1

Wall surface mount box

accessories	Finish	Product Code
wall surface mount box	white	210A-1

Capacitor

The Elkay capacitor is a 4uf 240VAC lighting capacitor that may be required when using 2 wire units with compact fluorescent or very low power lighting. For example: 2D fittings, energy saving lamps, LED's or any low power consuming loads.

accessories	Product Code
Power factor correction capacitor	PFCC-1

complementaryproducts

A complete outdoor system from Cable Management Products Ltd

NEW Energy management from ⊟lkay

The PIR timer forms part of the **energy**range from Elkay. The range features energy timers which control lighting, heating, ventilation systems and other loads suitable for both indoor and outdoor use.
See page 25 for details
For more information visit: www.elkay.co.uk

Non-metallic conduit systems [Adaptaflex]

Adaptaflex have more than 20 different types of non-metallic conduit systems all providing different technical properties for your cable management applications. Conduit is available in many different materials, ranging from lightweight to heavyweight with nominal conduit sizes from 10mm right up to the Jumbo size of 106mm.
For more information visit: www.adaptaflex.com

ADAPTALOK® from [Adaptaflex]

Adaptalok is a one piece fast fit Nylon fitting. As standard it achieves IP66 ingress protection, but this can be increased to IP68/69k by the addition of a separate conduit seal.
For more information visit: www.adaptaflex.com

NEW ATS™ from [Adaptaflex]

Adaptalok ATS uses a special twin shot moulding process to provide a fitting with moulded seals providing ultimate performance and speed of installation in a single component.
For more information visit: www.adaptaflex.com

cable glands from [Adaptaflex]

Elkay has established a reputation for manufacturing high quality cable glands and has one of the most varied and complete ranges available in the market today. The range extends from the 'Index' gland with its IP68 rating, to the large range of EMC glands that are designed to offer EMC screening all-the-way into the enclosure.
For more information visit: www.adaptaflex.com

switched enclosure box from [Adaptaflex]

Elkay now offers a range of enclosures to complement their **aqua**safe connection range. These enclosures are deigned to meet the requirements in damp and exposed environments being IP54 rated.
For more information visit: www.adaptaflex.com

aquasafe **inline connector from** [Adaptaflex]

aquasafe inline connectors provide a safe and reliable connection in demanding outdoor applications and are suitable for use where temporary connections are required. Available as either male or female options to fit cable ranging from 5mm - 9mm diameter.
For more information visit: www.adaptaflex.com

outdoorheating   **outdoor**waterfeature   **outdoor**lighting

⊟lkay

columbus®light fitting

Product: 400A Single pole change-over push button timer
400A-3 Double change-over push button timer

Rating at 240V ac
• Incandescent   6A   • Compact Fluorescent   3A
• Resistive   6A   • Fluorescent   3A
• Time Delay 10sec - 10min.
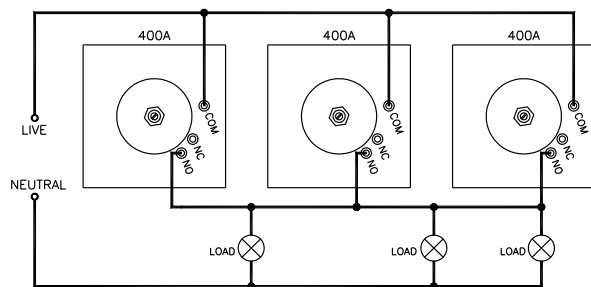
• Typical Circuit for Corridor Lighting
ie. Lights will stay on until last timer goes off.
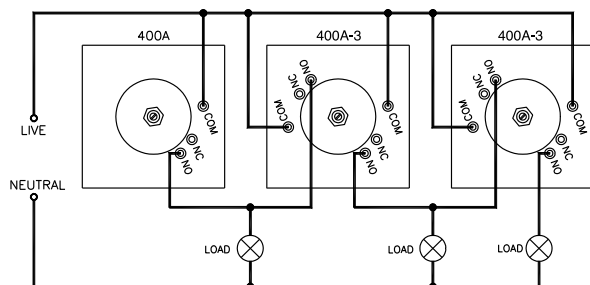
• Typical Circuit for Staircase Lighting.
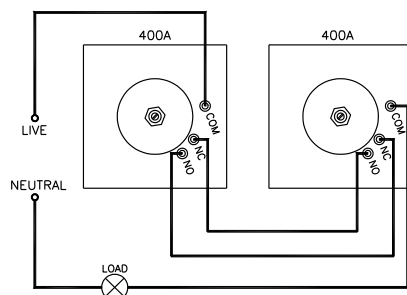
• Can also be used to replace Two Way Switching.

pushbutton/touchtimer fitting - two wire

Product: 350A-1, 350A-2, 360A-1, 360A-2, 750A-1, 760A-1,
550A-3, 550A-4, 560A-3, 560A-4

Rating at 240V ac
• Incandescent   16A   • Compact Fluorescent   16A
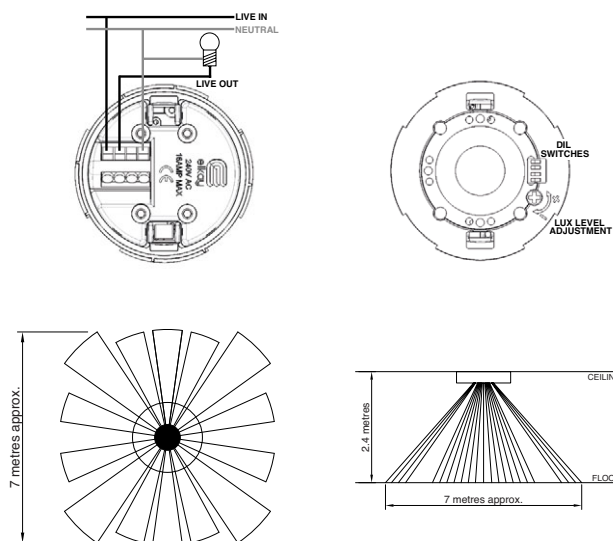• Resistive   16A   • Fluorescent   16A   • Time Delay 2min - 2h.

POWER FACTOR CORRECTION CAPACITOR:
In some cases when using 2 wire units with compact fluorescent or
very low power lighting a power factor correction capacitor of 2
microfarads may be required.
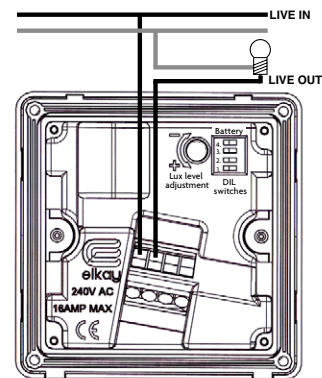
pushbutton/touchtimer fitting - 3 wire

Product: 3875A-1, 3875A-2, 2235A-1, 2235A-2, 750A-2, 760A-2,
550A-1, 550A-2, 560A-1, 560A-2

Rating at 240V ac
• Incandescent   16A   • Compact Fluorescent   16A
• Resistive   16A   • Fluorescent   16A   • Time Delay 2min - 2h.
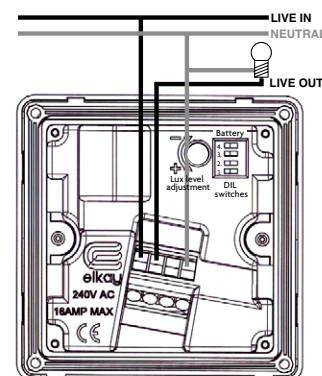
pirtimer fitting – two wire

Product: 370A-1, 370A-2, 770A-2, 570A-1, 570A-2 Three wire.

Rating at 240V ac
• Incandescent   16A • Compact Fluorescent   16A
• Resistive   16A • Fluorescent   16A • Time Delay 2min – 2h.
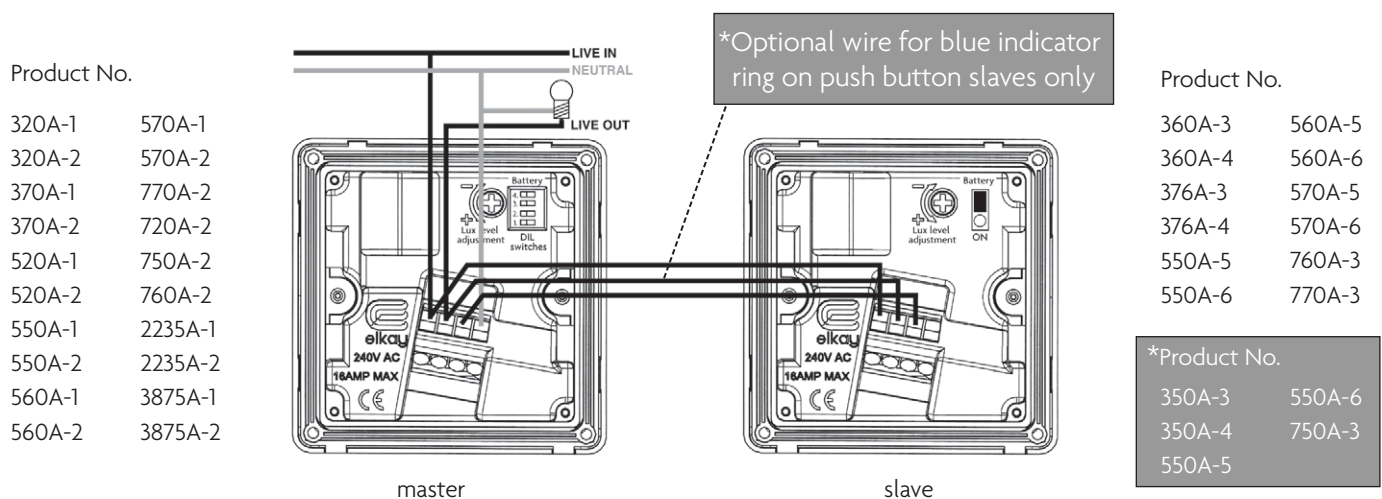
POWER FACTOR CORRECTION CAPACITOR:
In some cases when using 2 wire units with compact
fluorescent or very low power lighting a power factor
correction capacitor of 2 microfarads may be required.

LIVE IN
LIVE OUT
Battery
Lux level adjustment
DIL switches

240V AC
16AMP MAX
elkay

100°approx
5 - 7m
plan view
4 - 6m

60°approx
5 - 7m
side view
3 - 4m

detection diagram
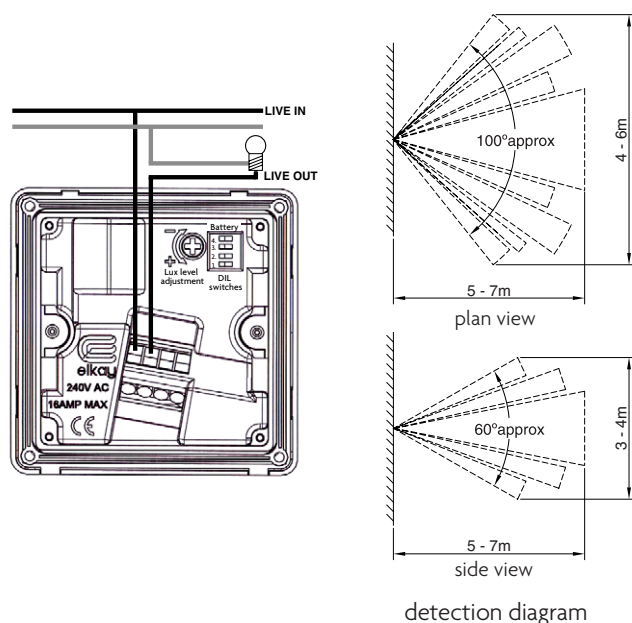
remotetimer fitting – three wire

Product: 320A-1, 320A-2, 720A-2, 520A-1, 520A-2 Three wire.

Rating at 240V ac
• Incandescent   16A • Compact Fluorescent   16A
• Resistive   16A • Fluorescent   16A • Time Delay 2min – 2h.

LIVE IN
NEUTRAL
LIVE OUT
Battery
Lux level adjustment
DIL switches

240V AC
16AMP MAX
elkay
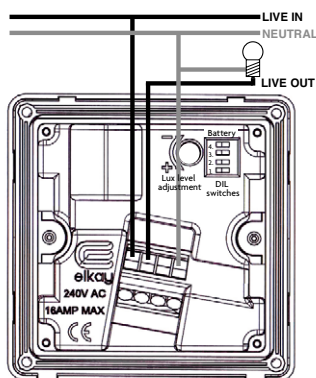
pirtimer fitting – three wire.

Product: 376A-1, 376A-2, 770A-1, 570A-3, 570A-4

Rating at 240V ac
• Incandescent   16A • Compact Fluorescent   16A
• Resistive   16A • Fluorescent   16A • Time Delay 2min – 2h.

LIVE IN
NEUTRAL
LIVE OUT
Battery
Lux level adjustment
DIL switches

240V AC
16AMP MAX
elkay

100°approx
5 - 7m
plan view
4 - 6m

60°approx
5 - 7m
side view
3 - 4m

detection diagram
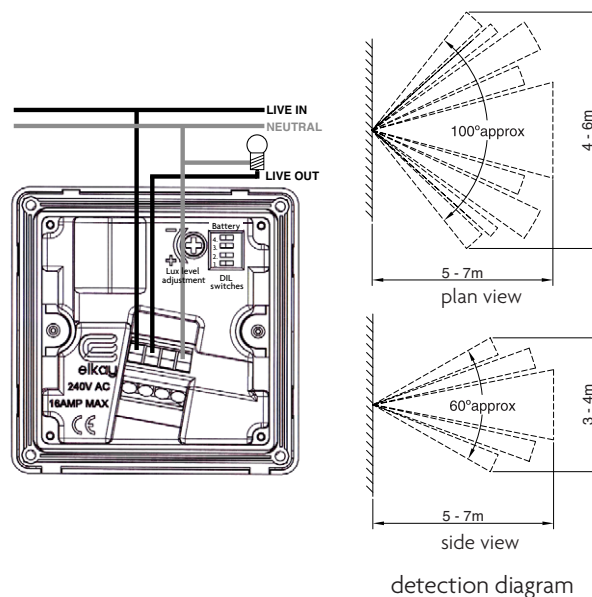
ceiling mount pirtimer – three wire.

Product: 374A-1, 374A-2 Three wire.

Rating at 240V ac
• Incandescent   16A • Compact Fluorescent   16A
• Resistive   16A • Fluorescent   16A • Time Delay 2min – 2h.

LIVE IN
NEUTRAL
LIVE OUT

DIL SWITCHES
LUX LEVEL ADJUSTMENT

7 metres approx.

CEILING
2.4 metres
FLOOR
7 metres approx.

Elkay

slave fitting – two wire master with push button, touch timer or PIR slave

Product No.

350A-1	550A-4
350A-2	560A-3
360A-1	560A-4
360A-2	570A-3
376A-1	570A-4
376A-2	750A-1
550A-3	760A-1
	770A-1

LIVE IN

LIVE OUT

*Optional wire for blue indicator ring on push button slaves only

Battery
Lux level adjustment
DIL switches
elkay
240V AC
16AMP MAX

Battery
Lux level adjustment
ON
elkay
240V AC
16AMP MAX

master   slave

Product No.

360A-3	560A-5
360A-4	560A-6
376A-3	570A-5
376A-4	570A-6
550A-5	760A-3
550A-6	770A-3

*Product No.

350A-3	550A-6
350A-4	750A-3
550A-5	

slave fitting – three wire master with push button, touch timer or PIR slave

Product No.

320A-1	570A-1
320A-2	570A-2
370A-1	770A-2
370A-2	720A-2
520A-1	750A-2
520A-2	760A-2
550A-1	2235A-1
550A-2	2235A-2
560A-1	3875A-1
560A-2	3875A-2

LIVE IN
NEUTRAL

LIVE OUT

*Optional wire for blue indicator ring on push button slaves only

Battery
Lux level adjustment
DIL switches
elkay
240V AC
16AMP MAX

Battery
Lux level adjustment
ON
elkay
240V AC
16AMP MAX

master   slave

Product No.

360A-3	560A-5
360A-4	560A-6
376A-3	570A-5
376A-4	570A-6
550A-5	760A-3
550A-6	770A-3

*Product No.

350A-3	550A-6
350A-4	750A-3
550A-5	

multiple slave fitting

Battery
Lux level adjustment
DIL switches
elkay
240V AC
16AMP MAX

Battery
Lux level adjustment
ON
elkay
240V AC
16AMP MAX

Battery
Lux level adjustment
ON
elkay
240V AC
16AMP MAX

master   slave   slave

IMPORTANT NOTICE
All wiring should be carried out by a competent person or a qualified Electrician in accordance with the current IEE Wiring Regulations.
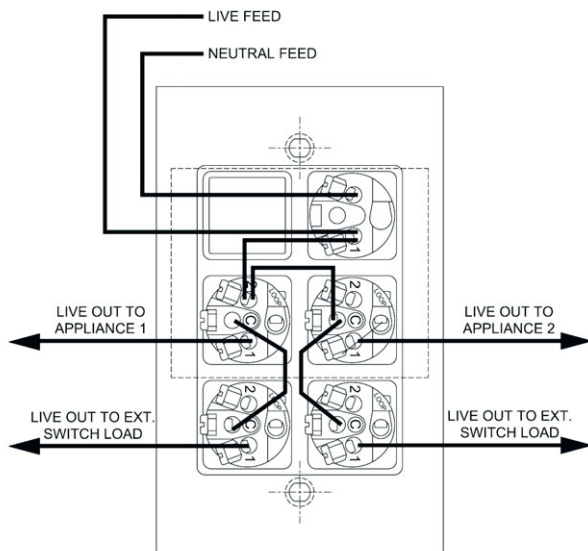If unit is faulty return to place of purchase.

customlight fitting

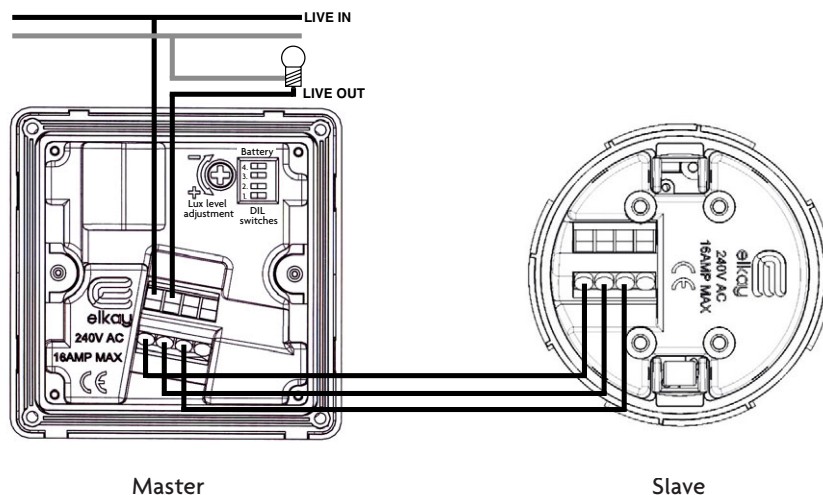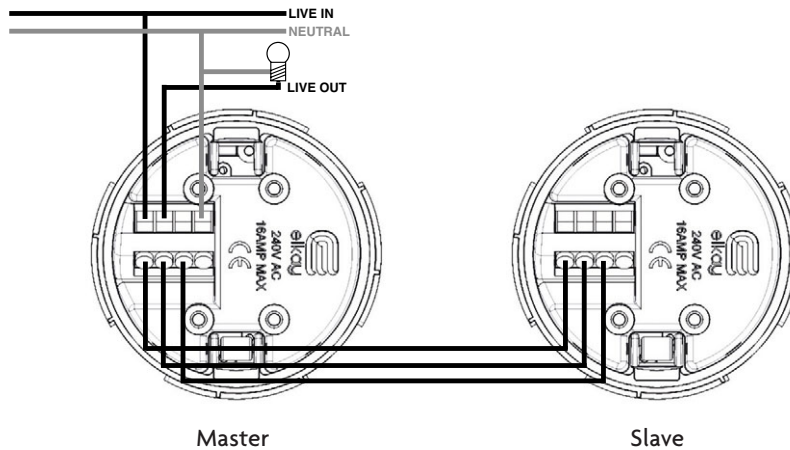**Product:** 790A-1, 790A-2, 790A-3, 790A-4, 790A-5, 790A-6

A
B
C

Rating at 240V ac

• Current   1.6A   • Max Power   400W

*To be used with incandescent lighting only

Single

LIVE IN

NEUTRAL

Master and 2 way switch

LIVE IN

NEUTRAL

A
B
C

L1
C
L2

Master and slave

LIVE IN

NEUTRAL
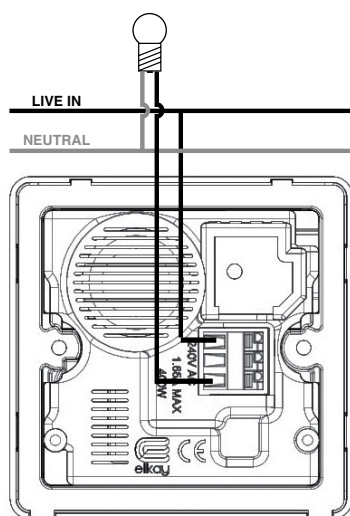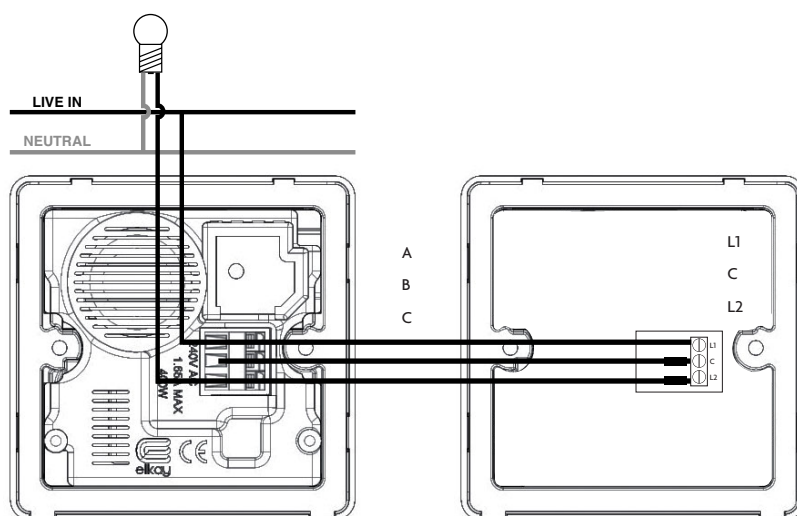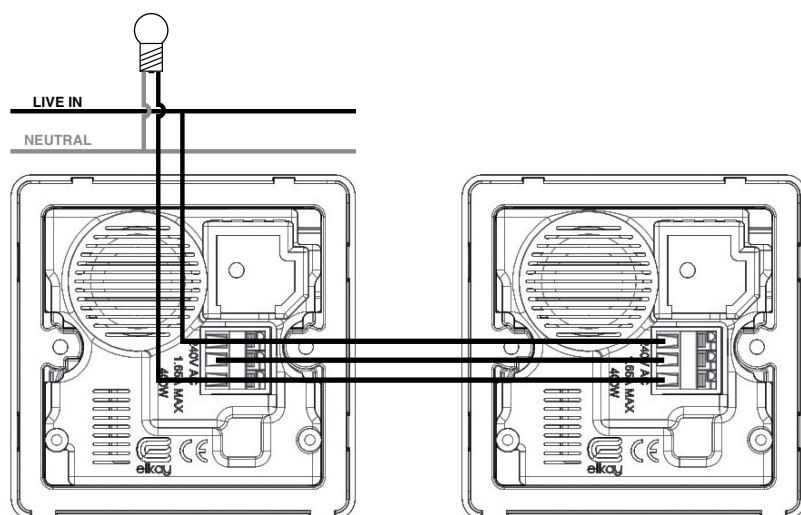
N.B Two Way Type – incase of use in a two way operation, please select either specialised customlight slave (Slave/none) or standard single gang switch (standard switch). If customlight is being used in a standard single way operation ensure two way type is set to Slave/none.

N.B Note that when a standard single gang switch is used the light can only be turned on or off from this switch. A standard single gang rotary dimmer cannot be used as a slave.

Elkay

keycard/**key**tag fitting

Product: 940-KC1, 940-KC2, 940-KT1, 940-KT2,

Rating at 240V ac

N.B Not suitable for use with plasterboard (fastfix) boxes

With external switches

LIVE FEED
NEUTRAL FEED
LIVE OUT TO APPLIANCE 1
LIVE OUT TO APPLIANCE 2
LIVE OUT TO EXT. SWITCH LOAD
LIVE OUT TO EXT. SWITCH LOAD

Without external switches

LIVE FEED
NEUTRAL FEED
LIVE OUT TO APPLIANCE 1
LIVE OUT TO APPLIANCE 2
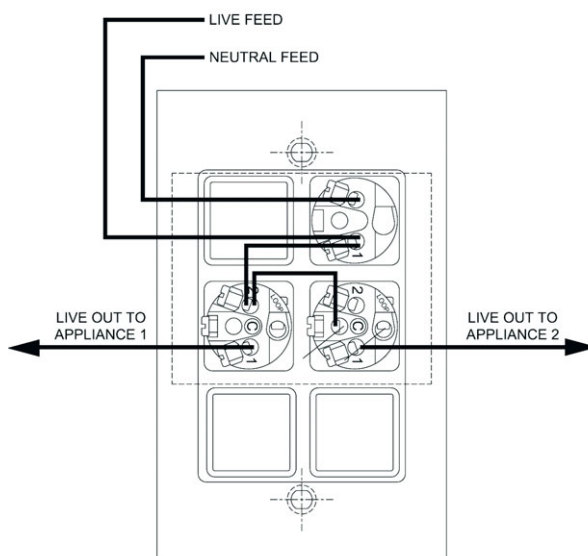
welcomelight fitting

Product: 780A-1

Rating at 240V ac
• Current   1A
• Max Power   250W

Single switch scheme
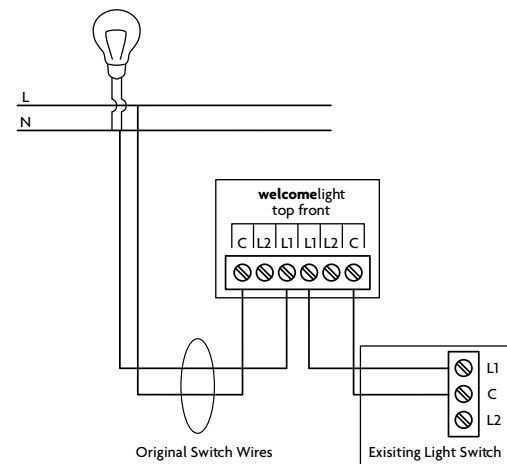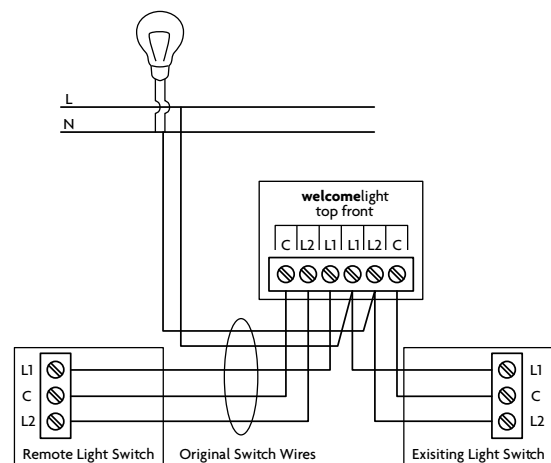
L
N
welcomelight top front
C L2 L1   L1 L2 C
L1
C
L2
Original Switch Wires   Exisiting Light Switch

Two way switch scheme

L
N
welcomelight top front
C L2 L1   L1 L2 C
L1
C
L2
L1
C
L2
Remote Light Switch   Original Switch Wires   Exisiting Light Switch

ceiling mount light fitting

two wire master with ceiling mount slave

Product No.

350A-1	550A-4
350A-2	560A-3
360A-1	560A-4
360A-2	570A-3
376A-1	570A-4
376A-2	760A-1
550A-3	770A-1

Product No.

374A-3
374A-4

LIVE IN
LIVE OUT
Battery
Lux level adjustment
DIL switches
240V AC
16AMP MAX
elkay

240V AC
16AMP MAX
elkay

Master

Slave

three wire master with ceiling mount slave

Product No.

320A-1	570A-1
320A-2	570A-2
370A-1	770A-2
370A-2	720A-2
520A-1	750A-2
520A-2	760A-2
550A-1	2235A-1
550A-2	2235A-2
560A-1	3875A-1
560A-2	3875A-2

Product No.

374A-3
374A-4

LIVE IN
NEUTRAL
LIVE OUT
Battery
Lux level adjustment
DIL switches
240V AC
16AMP MAX
elkay

240V AC
16AMP MAX
elkay

Master

Slave

elkay

ceiling mount master with ceiling mount slave

Product No.

374A-1
374A-2

LIVE IN
NEUTRAL
LIVE OUT

240V AC
16AMP MAX
elkay

240V AC
16AMP MAX
elkay

Master   Slave

Product No.

374A-3
374A-4

ceiling mount master with wall mount slave

Product No.
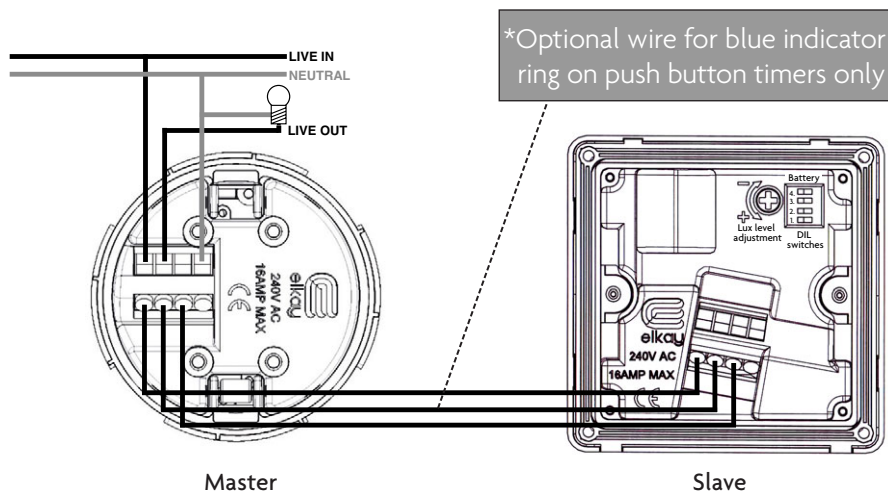
374A-1
374A-2

LIVE IN
NEUTRAL
LIVE OUT

240V AC
16AMP MAX
elkay

*Optional wire for blue indicator ring on push button timers only

Battery

Lux level adjustment   DIL switches

elkay
240V AC
16AMP MAX

Master   Slave

Product No.

360A-3	570A-5
360A-4	570A-6
376A-3	760A-3
376A-4	770A-3
550A-5	790A-4
550A-6	790A-5
560A-5	790A-6
560A-6	

Product No.

350A-3	550A-6
350A-4	750A-3
550A-5	

positioning – PIR slave

Use the detection range to determine a suitable location for the PIR sensor. When locating the position of the unit avoid subjecting the sensor to direct sunlight. Ensure that the sensor is not adjacent to the load. Do not site the unit on a vibrating surface or near forced air heating or ventilation.
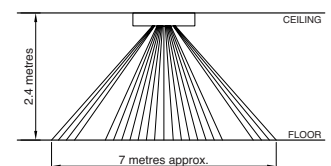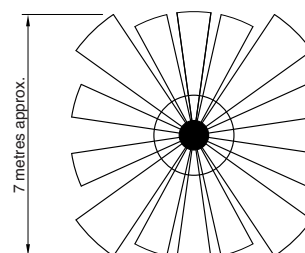
7 metres approx.

CEILING

2.4 metres

FLOOR

7 metres approx.

IMPORTANT NOTICE
All wiring should be carried out by a competent person or a qualified Electrician in accordance with the current IEE Wiring Regulations.
If unit is faulty return to place of purchase.

moodlighting fitting

Product: 720A-1 / 720A-2 / 720A-3

• Maximum load on the Controller must not exceed 400VA, 1.7A max.
• As well as the main circuit protection, an in-line dedicated 6 Amp Fuse must be installed to protect the dedicated mood controller.
• Using this wiring method a single LED or any number of LEDs can be installed up to a maximum of 500.

IMPORTANT: A maximum of 2 LEDs can be connected to each LED Driver.
Also a 10K Ohm, 10 Watt bleed resistor must be fitted for correct operation (included with the dedicated controller).
For bathroom and shower applications, the dimmer/controller MUST be situated outside of the bathroom or shower room.

downlighter installation

1. Determine location of luminaire mounting points, avoiding any other cabling, pipe work or timber joists; and cut out the required hole, 70mm diameter or 75mm when used with a Firehood (which is available separately).

2. Hold down the ceiling retaining springs of the recessing cup and insert into hole, taking care with the position of the recessing cup sealing ring.

3. Feed Cat 5 cable from LED through recessing cup and plug into the LED Driver (or Splitter if being used).

4. Push LED unit into recessing cup, making sure the LED sealing ring is in place.

5. Fitting into location is complete.
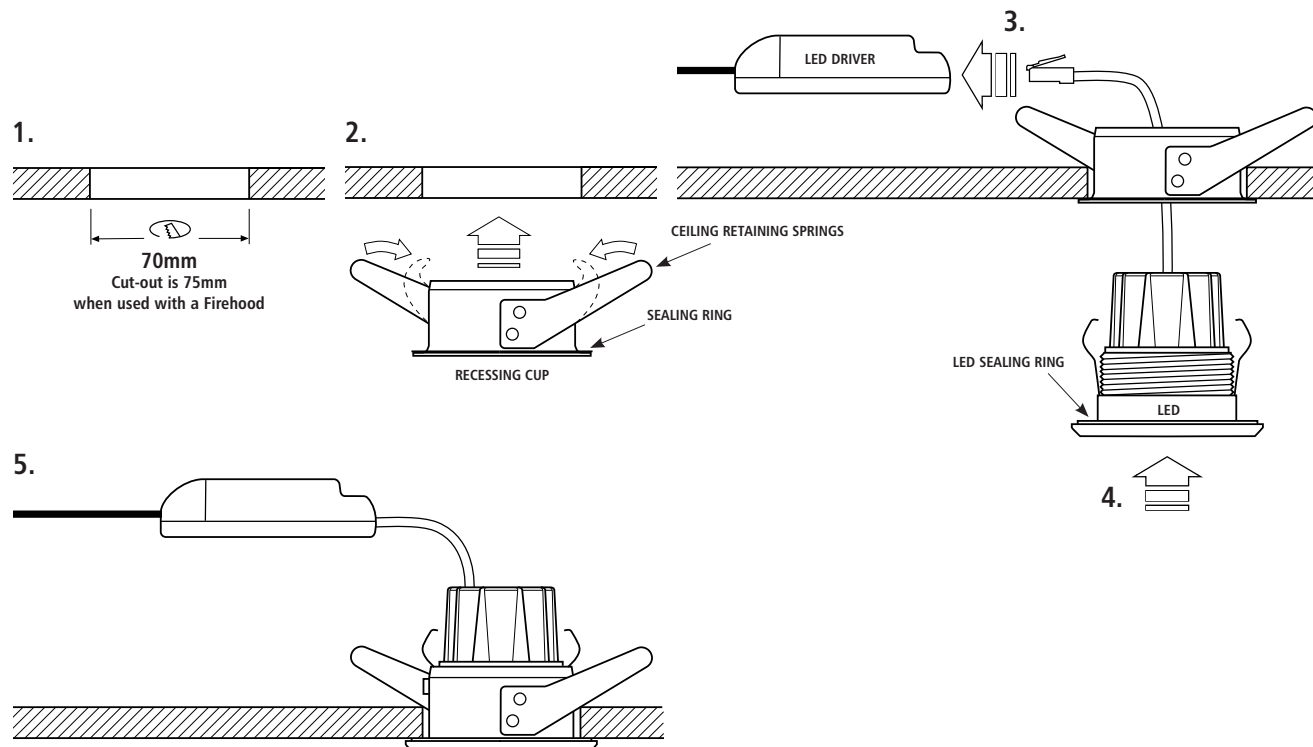
1.
70mm
Cut-out is 75mm
when used with a Firehood

2.
CEILING RETAINING SPRINGS
SEALING RING
RECESSING CUP

3.
LED DRIVER

4.
LED SEALING RING
LED

5.

Elkay

circuit layout for installation of LED lamps – 3 wire system
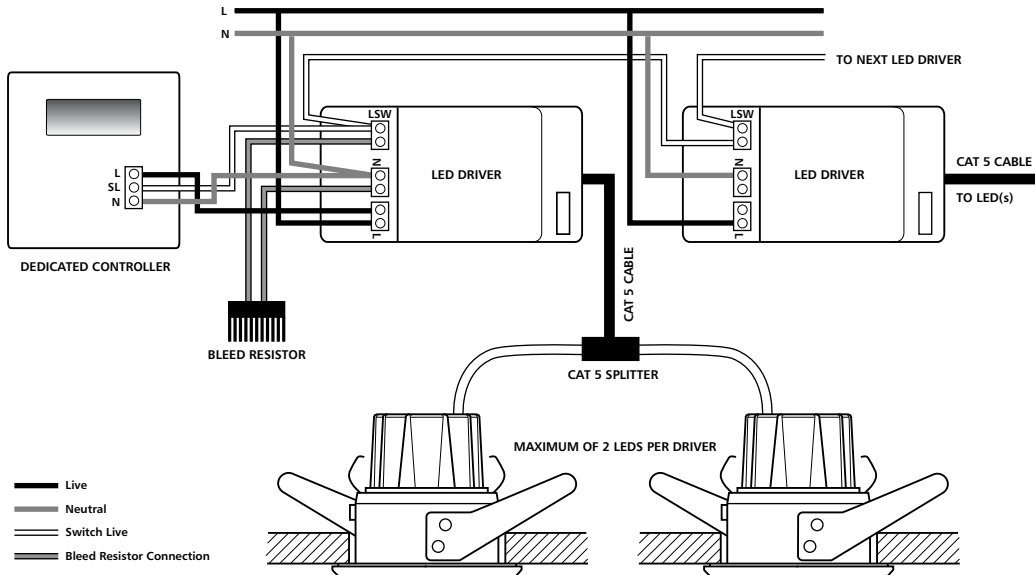
L
N

TO NEXT LED DRIVER

LSW

LSW

LED DRIVER

LED DRIVER

CAT 5 CABLE

TO LED(s)

L
SL
N

DEDICATED CONTROLLER

BLEED RESISTOR

CAT 5 CABLE

CAT 5 SPLITTER

MAXIMUM OF 2 LEDS PER DRIVER

■ Live
■ Neutral
▭ Switch Live
▬ Bleed Resistor Connection

Using this wiring method a single LED or any number of LEDs can be installed up to a maximum of 500.

It is important that the controller is fused at 6 Amps and provided there are no more than 25, the LEDs can share the same supply.

More LEDs can be connected on the same supply using a separate fused spur or other outlet.

IMPORTANT: A maximum of 2 LEDs can be connected to each LED Driver.

Also a 10K Ohm, 10 Watt bleed resistor must be fitted for correct operation (included with the dedicated controller).

The pink link wire (if fitted) must be removed from terminals L and LSW of the LED transformer/driver.

circuit layout for installation of LED & Halogen lamps – 3 wire system

L
N

TO NEXT LED DRIVER

LSW

LSW

LED DRIVER

LED DRIVER

CAT 5 CABLE

TO LED

L
SL
N

DEDICATED CONTROLLER

■ Live
■ Neutral
▭ Switch Live

CAT 5 CABLE

HALOGEN LAMP FITTING
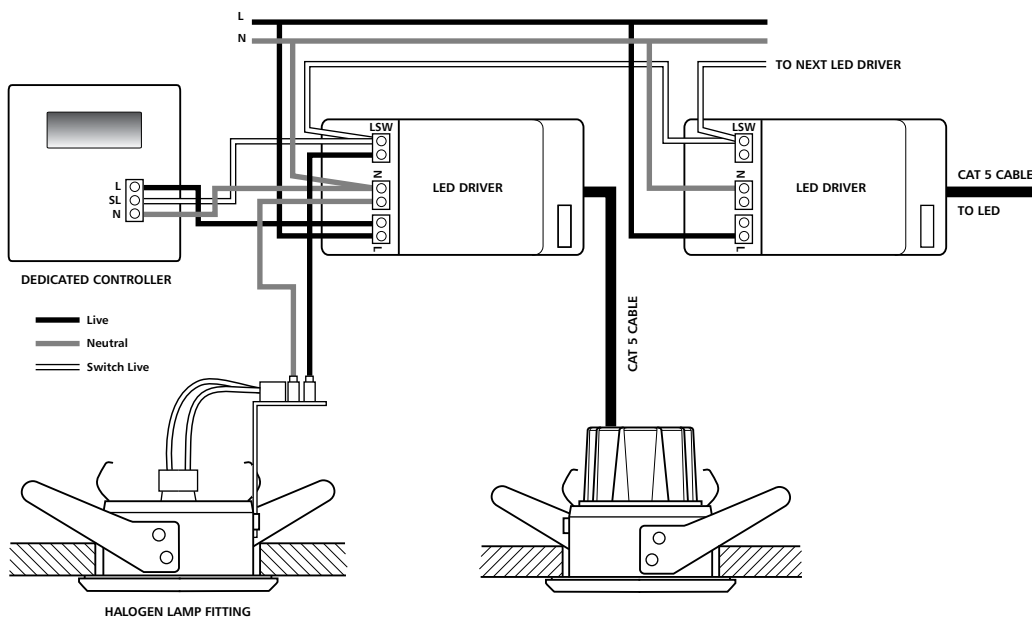
With this method you can mix LED(s) and halogen, or other incandescent lighting technology.

Provided the halogen light load is greater than 5VA the bleed resistor is not required.

The total load of halogen and LED lights must not exceed 400VA.

If the halogen lights are 240V the VA is equivalent to the Watts stated on the lamps.

If a transformer is included as in low voltage units the VA rating is the lamp load in Watts divided by the power factor (PF) of the transformer. This information is usually written on the transformer label.

The pink link wire must be removed (if fitted) from terminals (L) and (LSW) of the LED transformer.

Call +44 (0) 1675 468232 or click www.elkay.co.uk

microwavetimer - three wire
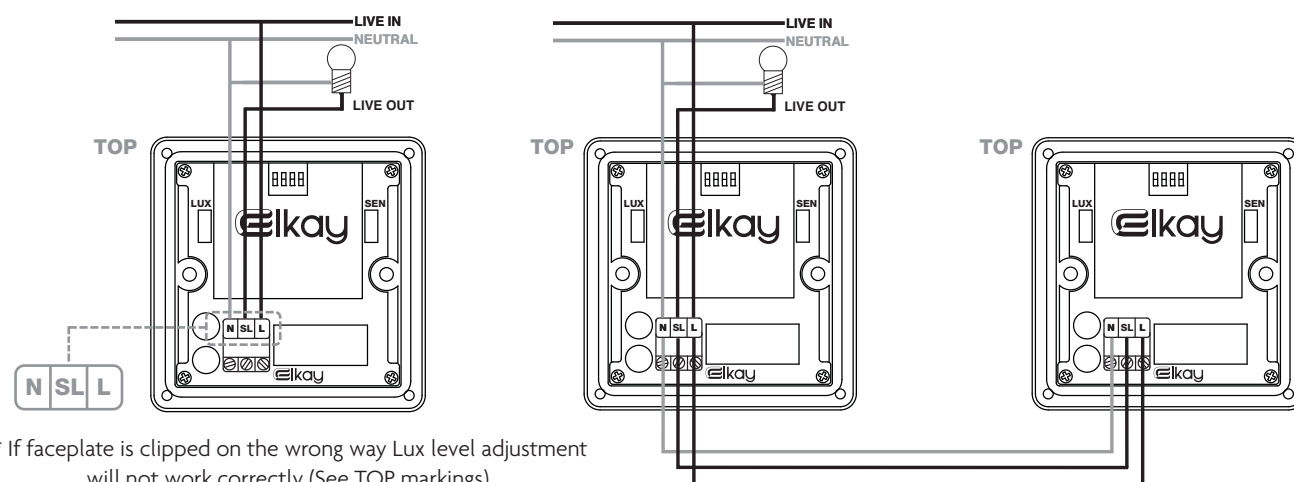
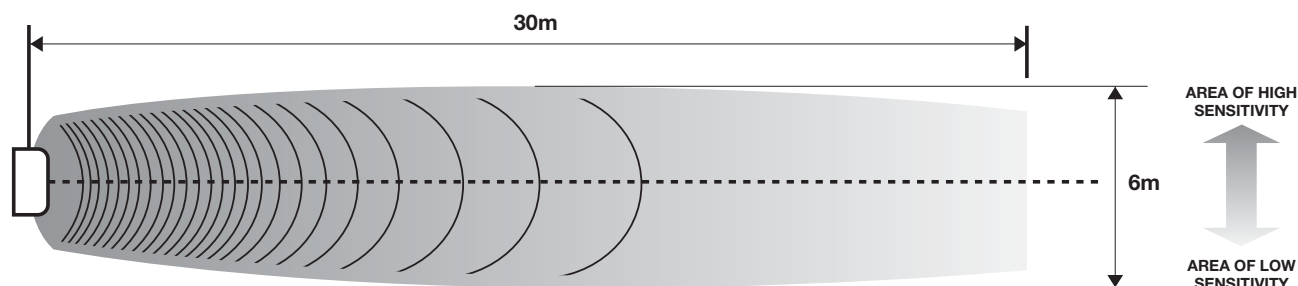**Product:** 380A-1 Three wire

Rating at 240V ac

- Incandescent   16A
- Compact Fluorescent   16A
- Resistive   16A
- Fluorescent   16A
- Time Delay 2min - 2h

Wiring diagram for a three wire Microwave unit
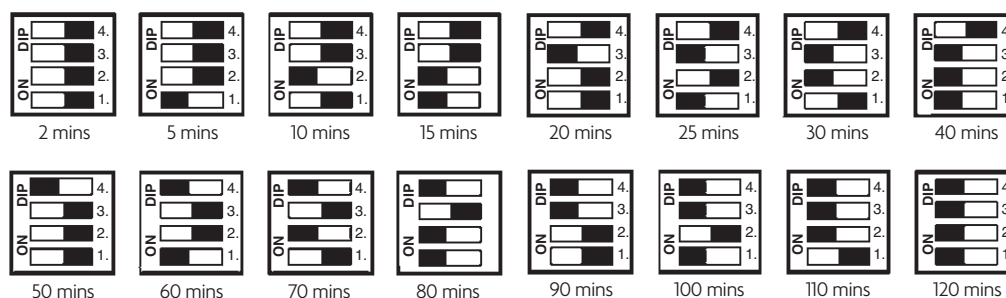(For additional products to be added see Diagram 3).

Wiring diagram for additional Microwave units.

* If faceplate is clipped on the wrong way Lux level adjustment
  will not work correctly (See TOP markings).

Plan view of Microwave pattern.

Please note that the black bar denotes the position of the dip switch.

2 mins	5 mins	10 mins	15 mins	20 mins	25 mins	30 mins	40 mins
50 mins	60 mins	70 mins	80 mins	90 mins	100 mins	110 mins	120 mins

Elkay

pushbuttontimer/**PIR**timer - two wire (for lighting only)

Product: 350B-1, 550B-3 Pushbutton timer / 376B-1 PIR timer Two wire.

PIR timer sensor detection diagram.

Rating at 240V ac
- Incandescent 10A   • Compact Fluorescent 10A
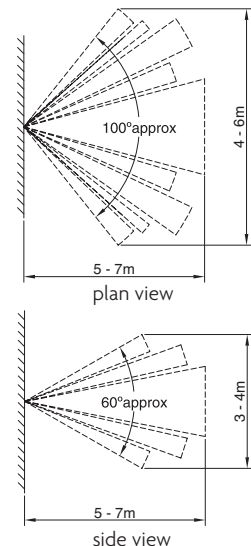- Resistive   10A   • Fluorescent 10A   • Time Delay 2min - 1h

Wiring diagram for a two wire unit.
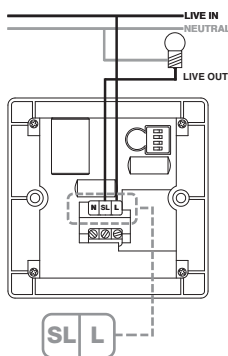
Wiring diagram for two wire multiple Switches/PIR into circuit.

plan view

side view
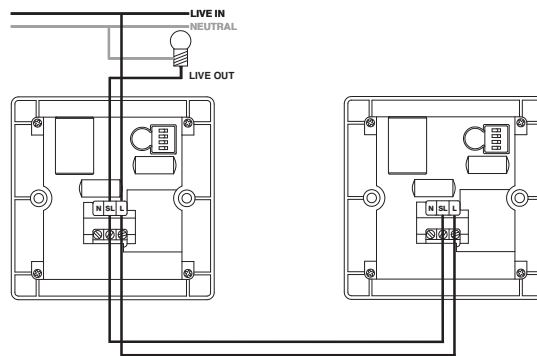
NOTE: 2 Wire devices not to be used with contactors.

Capacitor may be required when switching compact fluorescent or very low power lighting. For example: 2D fittings, energy saving lamps, LEDs or any low power consuming loads.

pushbuttontimer/**PIR**timer - three wire (for all load types)

Product: 3875B-1, 550B-1 Pushbutton timer / 370B-1 PIR timer Three wire

PIR timer sensor detection diagram.

Rating at 240V ac
- Incandescent 10A   • Compact Fluorescent 10A
- Resistive   10A   • Fluorescent 10A   • Time Delay 2min - 1h
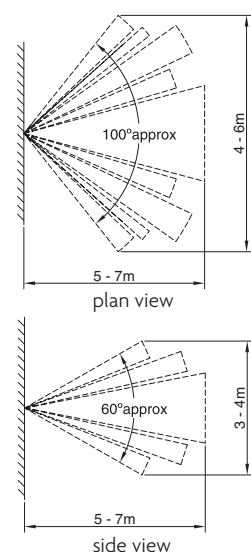
Wiring diagram for a three wire unit.
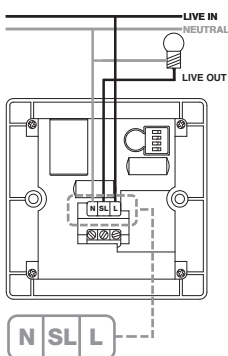
Wiring diagram for three wire multiple Switches/PIR into circuit.
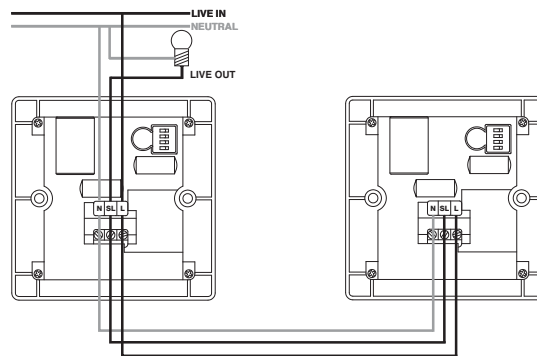
plan view

side view

IMPORTANT NOTICE
All wiring should be carried out by a competent person or a qualified Electrician in accordance with the current IEE Wiring Regulations.
If unit is faulty return to place of purchase.

Frequently Asked Questions

Lighting

Q1. I need a switch for indoor fluorescent lighting, do you have timer that can do this?

A. Yes, from our sense range you can use the 350A-1 (white), 350A-2 (chrome) push button timer, 360A-1, 360A-2 touch timer. If you wanted a PIR (Passive Infa Red) timer then you can use the 376A-1, 376A-2 wall mounted timers. Alternatively if you wanted a ceiling mount PIR then go for a 374A-1.

Q2. That's great, but the customer wants a stainless steel cover plate on his timers?

A. Not a problem we have the **energy**style range of timers which all have a stainless steel flush plate. So for a push button you can use the 750A-1, for a touchtimer use a 760A-1, and for a PIR go for a 770A-1. A remote timer operated by slaves would be a 720A-1.

Q3. Great, do you have any IP rated timers for outdoor lighting?

A. Yes, from our **energy**outdoor range you can use the 550A-3 (white), 550A-4 (chrome) push button timer, 560A-3, 560A-4 touch timer. If you wanted a PIR (Passive Infa Red) timer then you can use the 570A-3, 570A-4 wall mounted timers.

Q4. Can you wire these up together for a 2-way lighting system?

A. No, but to save you money you need to buy one master switch and a slave. They are then wired up in parallel. For example you could get a 350A-1 master (push button) and use the slave 350A-3.

Q5. How will these operate in a 2-way lighting system if they are wired up in parallel?

A. Effectively they are configured in resetting mode, by activating one timer and beginning the timing sequence if another timer is activated, the timing sequence will start again. If you wanted to turn off the light then hold down one of the timers buttons for 3 seconds, its LED will flash and it will jump to its last minute of timing.

Q6. That's great does this override function work on all the range?

A. All except the PIR. If the PIR lens is pressed then it will take it to its last minute of timing and then turn off. If you press the lens again it will turn it back into a timer.

Q7. What's the minimum and maximum timing and maximum load rating?

A. They will all do 2 minutes to 2 hours, and are rated up to 16Amps (3.5KW).

Heating

Q8. I need a timer switch for an indoor halogen heater, do you have timer that can do this?

A. Yes, from our sense range you can use the 3875A-1 (white), 3875A-2 (chrome) push button timer, 2235A-1, 2235A-2 touch timer. If you wanted a PIR (Passive Infa Red) timer then you can use the 370A-1, 370A-2 wall mounted timers. Alternatively if you wanted a ceiling mount PIR then go for a 374A-1, 374A-2.

Q9. That's great, I've also got an outdoor halogen heater for my patio, have you got an IP rated timer?

A. Yes, from our outdoor range you can use the 550A-1 (white), 550A-2 (chrome) push button timer, 560A-1, 560A- 2 touch timer. If you wanted a PIR (Passive Infa Red) timer then you can use the 570A-1, 570A-2 wall mounted timers.

Q10. Great, how many heaters can I have on a circuit with one of these timers?

A. As long as you don't exceed the 16amp, 3500W rating of the timers, then as many as you like.

Q11. I'm using a contactor to switch two 3KW heaters on one circuit with one of your IP rated timers , this is because the total wattage exceeds the rating of your timers. Which one can I use in conjunction with a contactor?

A. It would be best to go for a three wire timer, three wire means you have a neutral connection. The contactor is used to switch a higher rated circuit (in this case the 2 x 3KW heaters) using a lower rated circuit to energize a coil which switches the heating circuit.

Q12. Ok, I was advised to use a two wire timer; however my heaters stay on all the time?

A. You need to use a three wire timer, as the two wire timers will struggle with heating applications.

General

Q13. I'm after a timer with voltage free contacts, preferably an electronic one?

A. Unfortunately only our pneumatic 400A timer has VFC contacts, this means you can either have your light on all the time with the NC terminal connection, and then pressing the switch turns it off for a specific time period. Or you can use the NO terminal connection where the light is off until the button is pressed to activate the timing period.

Q14. Ok, how long a time period will the 400A do? Is it a two way switch?

A. The 400A will do between 10 seconds – 10 minutes. It can be wired up in two way configuration by having 'strapper' wires between the NO terminal of one timer and NC terminal of the other and vice versa. The live feed goes to the COM terminal of one timer, and then the switch wire runs from the COM terminal of the other timer to the live connection of the light fitting.

Q15. I want a blue neon on my slave push button but I only have a two wire system, how do I achieve that?

A. Unfortunately the neon on the master switch will indicate but the slave neon's will not.

Q16. Where is the Power factor correction capacitor PFCC-1 wired?

A. The Capacitor is wired across the switch wire and the neutral in the first light/appliance fitting.

Q17. Is there a third wire required when fitting a 350A-1?

A. This is a 2 wire device that ALONE will not require a third wire, Where a slave fitting (350A-3) is required (ie 2 way lighting) a third wire is required to trigger the timing circuit on the master from the slave device.

Q18. I have a 350A-1 device that is switching a light but when powered up the light is remaining on?

A. Did you allow time for the device to initialize before applying power?

NO – power down switch, flick dip switches back to start position initiate battery (dil switch 4) red LED should be flicking. The flicking should STOP and the red LED should flash every 2 seconds. This is now ready for the power to be turned back on. The light will illuminate.

Press and hold for 2-10 seconds, this should switch the light off and the device is ready to use.

Q19. I have a two way lighting circuit but the second device isn't working?

A. If you have two 376A-1 master devices they will work against each other, you will require one 376A-1 and a 376A-3 slave device and refer to master slave wiring diagram for wiring requirements where a trigger wire is required.

Q20. I am looking to fit one of your devices to work a contactor with a 240V coil. What device would you recommend to use working with fluorescent fittings?

A. The device you should use is a 3875A-1 3 wire device that requires a neutral connection.

Q21. Can you replace an old 320A with the new 320A-1?

A. Yes, but ensure all slave switches are either from the new Elkay range or standard spring return switches.

Has your question been answered? If not call the Elkay technical help desk on **01675 468296**

carboncalc

Portable energy calculator

Product info

welcomelight

pir/security timer

See page 35 for wiring diagram

Product info

customlight

Fully programmable lighting control

See page 34 for wiring diagram

WED 15:46 D

Product info

Elkay

pirtimer &
ceilingmountpir

**Passive Infra Red (PIR) timer switch &
Ceiling mounted (PIR) timer**

See page 32, 36 & 37 for wiring diagrams

Product info

Product info

Product info

moodlighting

Colour mood lighting system

See page 38-39 for wiring diagrams

WED 15:46 D

Product info

Has your question been answered?
If not call the Elkay technical help
desk on **01675 468296**

Elkay

Elkay