

**ISSUE 24**

**GREENEEN  
BOOK**

*-PowerBreaker-*  
**NORSLO**

Welcome to our catalogue. Inside you will find a wide selection of electrical installation products and lighting, produced to a high standard of quality. We pride ourselves on the service we offer our customers and we ensure you can have the confidence you are dealing with professional people dedicated to your business needs.

## We can offer you...



- Same day collection from our Harlow Warehouse
- Next day delivery available on orders placed by 3pm
- Same day deliveries for customers within 10 miles of our Harlow warehouse.

- On-line ordering showing live stock availability
- CSV upload
- Manage and track your orders
- Discount for ordering on-line

- Here to help you -  
Mon - Thurs, 8am - 5-30pm  
Friday, 8am - 5pm

- ✓ **We are an ISO9001- 2015 Accredited Company**
- ✓ **UKCA Compliant**
- ✓ **We are an Affiliated Manufacturer to the Electrical Distributors Association**
- ✓ **We are a Commercial Associate of the Electrical Contractors Association**
- ✓ **We are a member of BEAMA**
- ✓ **We are a member of the LIA**
- ✓ **We are a member of SEDEX**
- ✓ **We work to the B2B Compliance Scheme/WEEE Directive**
- ✓ **We regularly support the EIC Charity Events**
- ✓ **All GreenBrook products are tested by an independent test house**



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Please follow us on Social Media



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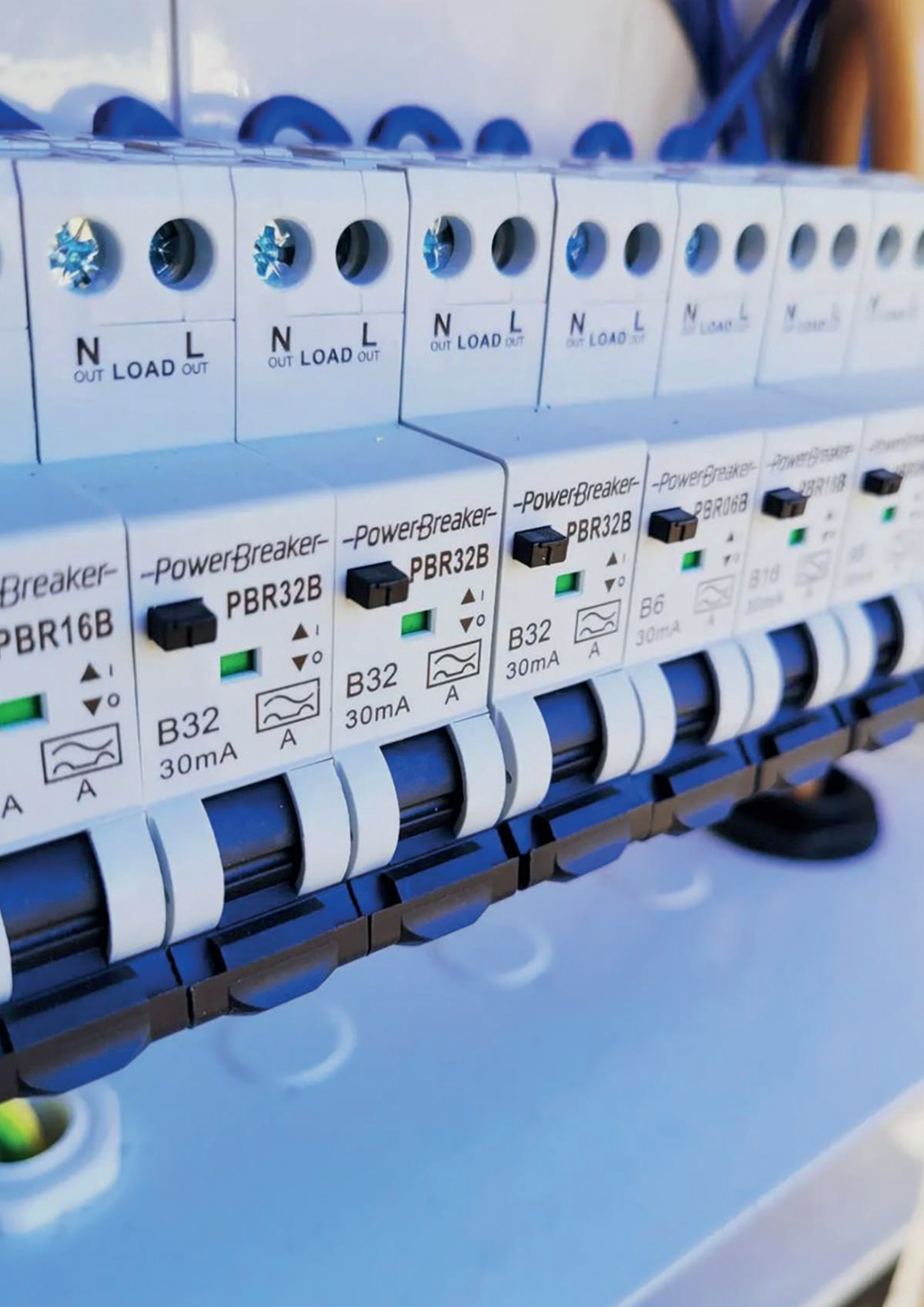
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PowerBreaker-  
PBR16B

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PBR16B

B16  
30mA  
A

B32  
30mA  
A

B32  
30mA  
A

B32  
30mA  
A

B6  
30mA  
A

B16  
30mA  
A

Welcome to the PowerBreaker range of circuit protection products.

As an established manufacturer of circuit protection products, PowerBreaker has been providing safe and quality installations for over 70 years.

We have successful relationships as a preferred supplier to national chains of electrical wholesalers and buying groups across the UK and export regions, and we are a clear choice for your installation.

All PowerBreaker products are manufactured to the highest quality and independently tested to give our customers peace of mind that their installation will protect their customers.

We pride ourselves on keeping up with the latest technology and practices by working closely with multiple organisations with regards to electrical safety standards, ethics and environmental policies.

We have a team of technical experts on hand to help with any enquiries you may have regarding our products, their application and your project.



# PowerBreaker

A photograph of a dense forest with tall, slender trees and vibrant green foliage. A dirt path winds through the forest floor. The scene is bright and natural, with sunlight filtering through the leaves.

*-PowerBreaker-*

... creating a  
sustainable future



## PowerBreaker and the environment

We are strongly committed to environmental sustainability and our responsibility to protect and preserve the planet for future generations.

We integrate sustainability considerations into the design, manufacturing, printing and delivery of our products and aim to offer environmentally responsible choices to our customers by promoting the responsible use and disposal of our products and packaging.

## Responsible Sourcing

We are working with our partner SEDEX to collaborate with suppliers who share our commitment to environmental sustainability.

We prioritize suppliers that adhere to ethical and eco-friendly practices, ensuring that our supply chain operates with the utmost social and ethical responsibility.

## Continuous Improvement

We are dedicated to continuous improvement in our environmental performance. We set ambitious targets, regularly monitor our progress, and actively seek opportunities to innovate and enhance our sustainability initiatives.

We are members of the ECO VADIS sustainability programme to ensure we are delivering on our promises and making sure we improve year on year.

Through our environmental sustainability efforts, we aim to make a positive impact on the environment while inspiring others to join us in creating a more sustainable future.



A close-up photograph of two men in a laboratory or workshop. The man in the foreground, with blonde hair and a beard, is smiling and looking down at a circuit board. The man in the background, with dark hair, is also smiling and looking at the same board. They are both wearing light-colored shirts. The background is blurred, showing various pieces of equipment and cables.

*-PowerBreaker-*

... quality & testing  
are key



## PowerBreaker - quality and testing

We work hard to ensure our products and processes are the best they can be. GreenBrook (the manufacturer of the PowerBreaker brand) is registered with multiple associations so you can be sure of our commitment to offering the best products and service we can.

- ISO9001-2015 Accredited which means we are regularly, independently audited for our quality, operations and codes of practice.
- UKCA compliant.
- Commercial Associate of the Electrical Contractors Association. ECA is the UK's leading trade association for the electrotechnical and wider engineering services industry aiming to drive growth and prosperity for the industry and their member organisations.
- Affiliated Manufacturer to the Electrical Distributors Association. The EDA is the trade association that represents the interests of wholesale distributors of electro-technical products in the UK. Wholesaler members include national networks with hundreds of branches through to single branch operations. Their membership covers 2,000 outlets throughout England, Scotland, Wales and Northern Ireland and, increasingly, these offer online B-2-B services, from which they generate a combined annual turnover of around £4.2 billion.
- Members of BEAMA who provide leadership expertise and independent influence in the areas of product safety, performance, energy efficiency and sustainability.

As members of BEAMA we benefit from the organisation's considerable influence on UK and European policy; BEAMA has very broad experience in manufacturer representation with particular emphasis on product legislation, standards and market surveillance.

PowerBreaker products are manufactured in accordance with the latest standards and independently tested and certified by Intertek Test Laboratories.



**UK  
CA**



*-PowerBreaker-*

...used across  
the world





## PowerBreaker - a trusted brand

At PowerBreaker, we take great pride in providing high-quality products that have earned the trust of some of the world's most reputable blue chip companies.

Our dedication to excellence, innovation, and customer satisfaction has made us a preferred and trusted partner for industry-leading organisations.

Understanding the unique needs of our partners, we offer flexibility on products that can be adapted to fit specific requirements.

Our expert technical team work closely with clients to ensure our solutions perfectly align with their project requirements.

PowerBreaker circuit protection products have been used in blue chip installations across the world and we have been specified by customers such as ABB, Bombardier and Siemens.

Successful PowerBreaker projects include working with key contract sectors including:

- Airports
- Supermarkets
- Hospitals
- Underground stations (LUL Approved)
- Rail Projects
- Stadiums
- Restaurants
- Universities & Schools
- Housing Developments

# PowerBreaker Digital Assets

Our full data specification and digital assets are available on EDATA, EPIM, Luckins & our own website [www.greenbrook.co.uk](http://www.greenbrook.co.uk)

These resources are a data pool for manufacturers to share product information, including images and data sheets, with wholesalers, distributors and specifiers for multi channel distribution.

EDATA is an industry-owned resource of high quality, ecommerce-friendly, manufacturers' product data for customers to use in their web sites and digital business processes.

The information includes our master data, which is classified according to the international ETIM standard.

Product data is owned and managed by us, enabling it to be tracked and amended at source.

Data is independently monitored for quality, best practice and conformance with data standards.



*-PowerBreaker-*

... full suite of digital data



# *-PowerBreaker-*

... designed for style  
& peace of mind





## PowerBreaker Design & Technology

The consumer unit is the most important electrical safety device in the home as it protects life from electric shock but it also protects against overloads which can result in electrical fires and damage to equipment.

We have designed a stylish, sleek looking unit with a flush lid that encompasses the very best technology to ensure the safety of our users and their belongings.

The PowerBreaker Range has:

### Surge Protection -

Our SPD boards have built-in Type 2 surge protection devices which prevent over-voltages in electrical circuits that can potentially damage electronic equipment such as TV's, computers, washing machines, alarms etc.

### Type A RCDs -

These detect pulsating DC residual currents in addition to the detection characteristics of Type AC RCDs. In modern households the goods connected to the consumer unit will be electronic equipment such as LED TVs, EV chargers etc which if at fault can cause DC current into the circuit.

### Arc Fault Detection Devices AFDDs -

These detect arcing in damaged cables and circuits and help to limit electrical fires.

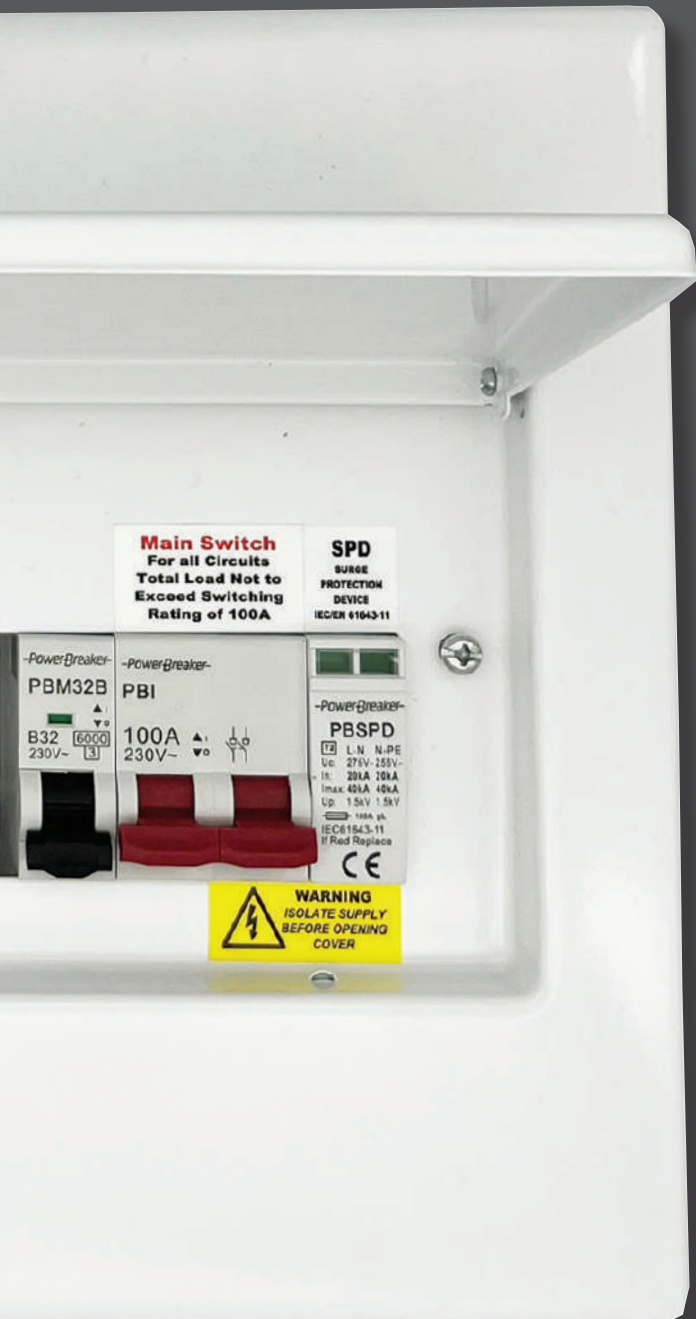


# -PowerBreaker-

... for your projects







## Product Features

- Flush fitting lid
- Lockable lids available
- 18th Edition Compliant
- Stylish, functional metal enclosures
- Type 2 surge protection
- Increased cabling space
- Large clear knock-outs
- Type A RCDs and RCBOs
- AFDD (Type B and Type C Curve)
- High integrity Boards
- RAL 9003 powder-coated finish
- Third party type tested to BS EN 61439-3
- 6kA Rated (Short Circuit Capacity)
- 3 Year Guarantee

## Bespoke PowerBreaker

- We offer a bespoke consumer unit design service that caters to the specific needs of our contractor projects
- Fully customisable to your project requirements
- Assembled in the UK by our team of skilled technicians to deliver a fast and reliable service
- Quick turnaround time
- Delivered direct to site
- Saves time on site - reducing labour cost
- Reduces the amount of stock on site

## Consumer Unit with Main Switch

The Part Populated Consumer Unit range available in 8 Board layouts with and without SPD - 8/10/12/14/16/18/20/22 module units.

- 2P Mains Switch 100A
- 1 x Neutral for use with RCBO Module
- 6kA Rated Short Circuit Capacity
- Label kit
- Grommet Strip
- 2 x Blanking modules supplied per board
- Conforms to BS EN 61439-3
- 3 year Guarantee



Code	Description
<b>PBPM08</b>	8 Module (100A Mains Switch) 6 Usable Ways
<b>PBPM10</b>	10 Module (100A Mains Switch) 8 Usable Ways
<b>PBPM12</b>	12 Module (100A Mains Switch) 10 Usable Ways
<b>PBPM14</b>	14 Module (100A Mains Switch) 12 Usable Ways
<b>PBPM16</b>	16 Module (100A Mains Switch) 14 Usable Ways
<b>PBPM18</b>	18 Module (100A Mains Switch) 16 Usable Ways
<b>PBPM20</b>	20 Module (100A Mains Switch) 18 Usable Ways
<b>PBPM22</b>	22 Module (100A Mains Switch) 20 Usable Ways

## Consumer Unit with Mains Switch with SPD - Type 2

- 2P Mains Switch 100A
- 1 x Neutral for use with RCBO Module
- 6kA Rated Short Circuit Capacity
- SPD Type 2
- SPD Protection (32A MCB)
- Label kit
- Grommet Strip
- 2 x Blanking modules supplied per board
- Conforms to BS EN 61439-3
- 3 year Guarantee



Code	Description
<b>PBPM08-SPD</b>	8 Module (100A Mains Switch) SPD Type 2 4 Usable Ways
<b>PBPM10-SPD</b>	10 Module (100A Mains Switch) SPD Type 2 6 Usable Ways
<b>PBPM12-SPD</b>	12 Module (100A Mains Switch) SPD Type 2 8 Usable Ways
<b>PBPM14-SPD</b>	14 Module (100A Mains Switch) SPD Type 2 10 Usable Ways
<b>PBPM16-SPD</b>	16 Module (100A Mains Switch) SPD Type 2 12 Usable Ways
<b>PBPM18-SPD</b>	18 Module (100A Mains Switch) SPD Type 2 14 Usable Ways
<b>PBPM20-SPD</b>	20 Module (100A Mains Switch) SPD Type 2 16 Usable Ways
<b>PBPM22-SPD</b>	22 Module (100A Mains Switch) SPD Type 2 18 Usable Ways

**Suitable for TN -  
(TN-S, TN-C,  
TN-C-S) and TT**

# Dual Consumer Unit with RCD and Main Switch

The Part Populated Consumer Unit range available in 5 Board layouts with and without SPD - 14/16/18/20/22 module units.

- 2P Main Switch 100A
- 2 x RCCB 80A (Board sizes 14/16/18)
- 2 x RCCB 100A (Board sizes 20/22)
- 3 x Neutral Bars
- 6kA Rated Short Circuit Capacity
- Label kit
- Grommet Strip
- Conforms to BS EN 61439-3
- 3 year Guarantee



Code	Description
PBPDM14	14 Module (2 x 80A 30mA RCCB Type A) 8 Usable Ways
PBPDM16	16 Module (2 x 80A 30mA RCCB Type A) 10 Usable Ways
PBPDM18	18 Module (2 x 80A 30mA RCCB Type A) 12 Usable Ways
PBPDM20	20 Module (2 x 100A 30mA RCCB Type A) 14 Usable Ways
PBPDM22	22 Module (2 x 100A 30mA RCCB Type A) 16 Usable Ways

# Consumer Unit Dual RCD with SPD

- 2P Main Switch 100A
- 2 x RCCB 80A (Board sizes 14/16/18)
- 2 x RCCB 100A (Board sizes 20/22)
- 3 x Neutral Bars
- 6kA Rated Short Circuit Capacity
- SPD Type 2
- SPD Protection (32A MCB)
- Label kit
- Grommet Strip
- Conforms to BS EN 61439-3
- 3 year Guarantee



Code	Description
PBPDM14-SPD	14 Module SPD Type 2 (2 x 80A 30mA RCCB Type A 6 Usable Ways)
PBPDM16-SPD	16 Module SPD Type 2 (2 x 80A 30mA RCCB Type A 8 Usable Ways)
PBPDM18-SPD	18 Module SPD Type 2 (2 x 80A 30mA RCCB Type A 10 Usable Ways)
PBPDM20-SPD	20 Module SPD Type 2 (2 x 100A 30mA RCCB Type A 12 Usable Ways)
PBPDM22-SPD	22 Module SPD Type 2 (2 x 100A 30mA RCCB Type A 14 Usable Ways)

# Double Bank Consumer Units

The Part Populated Consumer Unit range available in 3 Board layouts with and without SPD - 28 / 36 / 44 module units.

- 2P Mains Switch 100A
- 3 x Neutral Bars
- 6kA Rated Short Circuit Capacity
- Label kit
- Grommet Strip
- Conforms to BS EN 61439-3
- 3 year Guarantee



Code	Description
PBDS28	28 Module (100A Mains Switch) 25 Usable Ways
PBDS36	36 Module (100A Mains Switch) 33 Usable Ways
PBDS44	44 Module (100A Mains Switch) 41 Usable Ways

**Suitable for TN -  
(TN-S, TN-C,  
TN-C-S) and TT**

- 2P Mains Switch 100A
- 3 x Neutral Bars
- 6kA Rated Short Circuit Capacity
- SPD Type 2
- SPD Protection (32A MCB)
- Label kit
- Grommet Strip
- Conforms to BS EN 61439-3
- 3 year Guarantee

Example only



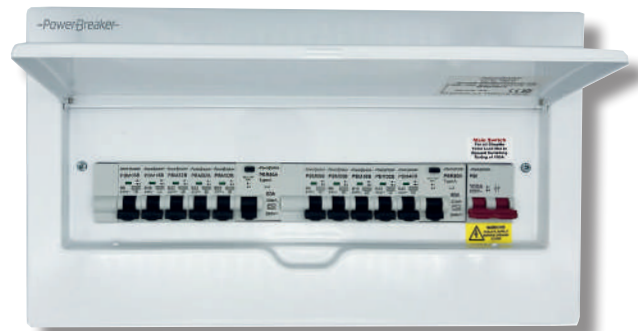
Code	Description
PBDS28-SPD	28 Module (100A Mains Switch) 23 Usable Ways
PBDS36-SPD	36 Module (100A Mains Switch) 31 Usable Ways
PBDS44-SPD	44 Module (100A Mains Switch) 39 Usable Ways

\* Product design may differ from those shown

# Dual Fully Populated Consumer Units

The Dual Fully Populated Consumer Unit range is available in 5 Board layouts - 14/16/18/20/22 modules.

- 2P Mains Switch 100A
- 2 x RCCB 80A (Board sizes 14/16/18)
- 2 x RCCB 100A (Board sizes 20/22)
- 3 x Neutral bars
- 6kA Rated Short Circuit Capacity
- Blank Modules 18    2 x Blanks
- Modules 20    4 x Blanks
- Modules 22    6 x Blanks
- MCB's - each board supplied with MCB's full details below
- Label kit
- Grommet Strip
- Conforms to BS EN 61439-3
- 3 year Guarantee



KEY - Consumer Unit Board Modules			
Blanking Module	MCB	RCCB (RCD)	Main Switch

Code	Description & Board Layout																				
<b>PBPD14</b>	14 Module (2 x 80A 30mA RCCB Type A) (8 MCBS, 1 x 40A, 3 x 32A, 1 x 16A, 3 x 6A)																				
Board Layout	<table border="1"> <tr> <td>6A</td><td>16A</td><td>32A</td><td>32A</td><td></td><td></td><td>6A</td><td>6A</td><td>32A</td><td>40A</td><td></td><td></td><td></td><td></td> </tr> </table>	6A	16A	32A	32A			6A	6A	32A	40A										
6A	16A	32A	32A			6A	6A	32A	40A												
<b>PBPD16</b>	16 Module (2 x 80A 30mA RCCB Type A) (10 MCBS, 1 x 40A, 4 x 32A, 2 x 16A, 3 x 6A)																				
Board Layout	<table border="1"> <tr> <td>6A</td><td>16A</td><td>32A</td><td>32A</td><td>32A</td><td></td><td></td><td>6A</td><td>6A</td><td>16A</td><td>32A</td><td>40A</td><td></td><td></td><td></td><td></td> </tr> </table>	6A	16A	32A	32A	32A			6A	6A	16A	32A	40A								
6A	16A	32A	32A	32A			6A	6A	16A	32A	40A										
<b>PBPD18</b>	18 Module (2 x 80A 30mA RCCB Type A) (10 MCBS, 1 x 40A, 4 x 32A, 2 x 16A, 3 x 6A)																				
Board Layout	<table border="1"> <tr> <td></td><td>6A</td><td>16A</td><td>32A</td><td>32A</td><td>32A</td><td></td><td></td><td>6A</td><td>6A</td><td>16A</td><td>32A</td><td>40A</td><td></td><td></td><td></td><td></td> </tr> </table>		6A	16A	32A	32A	32A			6A	6A	16A	32A	40A							
	6A	16A	32A	32A	32A			6A	6A	16A	32A	40A									
<b>PBPD20</b>	20 Module (2 x 100A 30mA RCCB Type A) (10 MCBS, 1 x 40A, 4 x 32A, 2 x 16A, 3 x 6A)																				
Board Layout	<table border="1"> <tr> <td></td><td></td><td>6A</td><td>16A</td><td>32A</td><td>32A</td><td>32A</td><td></td><td></td><td>6A</td><td>6A</td><td>16A</td><td>32A</td><td>40A</td><td></td><td></td><td></td><td></td> </tr> </table>			6A	16A	32A	32A	32A			6A	6A	16A	32A	40A						
		6A	16A	32A	32A	32A			6A	6A	16A	32A	40A								
<b>PBPD22</b>	22 Module (2 x 100A 30mA RCCB Type A) (10 MCBS, 1 x 40A, 4 x 32A, 2 x 16A, 3 x 6A)																				
Board Layout	<table border="1"> <tr> <td></td><td></td><td></td><td>6A</td><td>16A</td><td>32A</td><td>32A</td><td>32A</td><td></td><td></td><td></td><td>6A</td><td>6A</td><td>16A</td><td>32A</td><td>40A</td><td></td><td></td><td></td><td></td> </tr> </table>				6A	16A	32A	32A	32A				6A	6A	16A	32A	40A				
			6A	16A	32A	32A	32A				6A	6A	16A	32A	40A						





## Garage Consumer Unit

- RCCB 63A, 30mA
- MCB's details below
- Grommet Strip
- Conforms to BS EN61439-3
- 3 year Guarantee

The PBGU is supplied with 63A RCCB and 2 MCB's 1 x 6A & 1 x 16A

Code	Description
PBGU	Garage Consumer Unit (63A, 30mA RCCB Type A) 1 x 6A & 1 x 16A MCB



## Shower Consumer Unit

- RCCB 63A, 30mA
- MCB's details below
- Grommet Strip
- Conforms to BS EN61439-3
- 3 year Guarantee

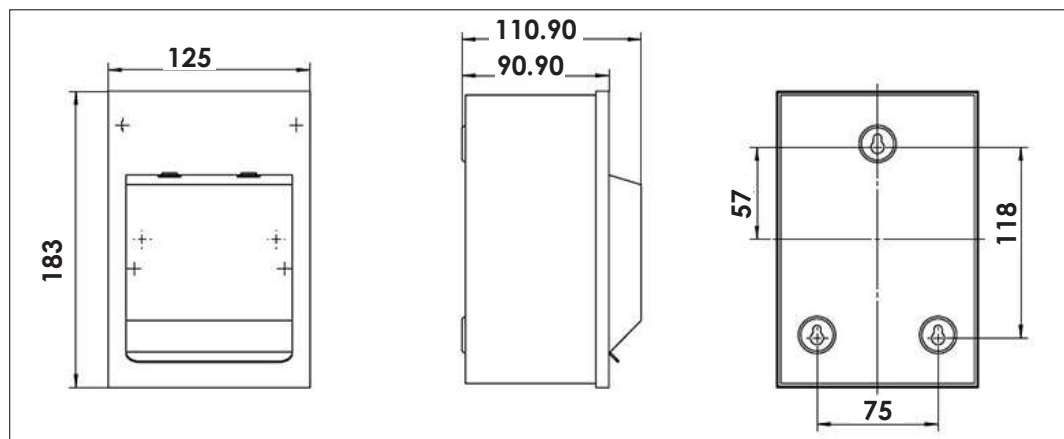
The PBSU is supplied with 63A RCCB and 1 x 50A MCB

Code	Description
PBSU	Shower Consumer Unit (63A, 30mA RCCB Type A) 1 x 50A MCB



### Shower & Garage Consumer Unit

For - PBSU & PBGU





# EV Charger Unit

- 2 Pole Mains Switch 100A
- 6 Module unit
- 1 Free module
- SPD Type 2
- SPD Protection (32A MCB)
- 1P + N (Switch Neutral) RCBO
- Conforms to BS EN61439-3
- 3 year Guarantee



Code	Description
<b>PB6EV32-SPD</b>	2P 100A Mains Switch, 32A 2 Pole RCBO 30mA Type A SPD Type 2 Blanking Module
<b>PB6EV40-SPD</b>	2P 100A Mains Switch, 40A 2 Pole RCBO 30mA Type A SPD Type 2 Blanking Module

- 2 Pole Mains Switch 100A
- 4 Module Unit
- 1 Free module
- 1P + N (Switch Neutral) RCBO
- Conforms to BS EN61439-3
- 3 year Guarantee

Code	Description
<b>PB4EV32</b>	2P 100A Mains Switch, 32A 2 Pole RCBO 30mA Type A Blanking Module
<b>PB4EV40</b>	2P 100A Mains Switch, 40A 2 Pole RCBO 30mA Type A SPD Blanking Module

## RCCB Range

### Type A RCD

- Tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising.



<b>Pack Quantity</b>	1
<b>Number of Poles</b>	2P (Double Pole)
<b>Rated Voltage</b>	230/240VAC
<b>Rated Residual Current</b>	30mA
<b>Type of Residual Current</b>	Type A
<b>Rated Frequency</b>	50/60Hz
<b>Rated Short-Circuit Capacity</b>	6kA
<b>Index of Protection</b>	IP20
<b>Terminals</b>	1 –35mm <sup>2</sup>
<b>Mechanical Endurance</b>	10,000 times
<b>Electrical Endurance</b>	4,000 times
<b>Ambient Temperature</b>	- 25°C to +55°C
<b>Storage Temperature</b>	- 40°C to +70°C
<b>Torque (Recommended minimum tightening)</b>	2.5Nm
<b>Din Rail Mounting</b>	Yes
<b>Guarantee</b>	5 Years
<b>Conforms To</b>	BS EN 61009

Code	Description
<b>PBR63A</b>	63A, 30mA RCCB Type A 2P
<b>PBR80A</b>	80A, 30mA RCCB Type A 2P
<b>PBR100A</b>	100A, 30mA RCCB Type A 2P

# MCB - B Curve

**Type B Curve -** Type B instantaneous tripping curve is used for the protection of circuits and equipment that have low surge currents

Devices are designed to trip at instantaneous fault currents of 3 - 5 times rated (In). For example a 10A device will trip at 30-50A instantaneous current.

<b>Pack Quantity</b>	12
<b>Number of Poles</b>	1P (Single Pole)
<b>Rated Voltage</b>	230/240VAC
<b>Rated Frequency</b>	50/60Hz
<b>Rated Short-Circuit Capacity</b>	6kA
<b>Tripping Characteristics</b>	Type B
<b>Index of Protection</b>	IP20
<b>Terminals</b>	1 -25mm <sup>2</sup>
<b>Mechanical Endurance</b>	10,000 times
<b>Electrical Endurance</b>	4,000 times
<b>Ambient Temperature</b>	- 25°C to +55°C
<b>Storage Temperature</b>	- 40°C to +70°C
<b>Torque (Recommended minimum tightening)</b>	2.0Nm
<b>Din Rail Mounting</b>	Yes
<b>Guarantee</b>	5 Years
<b>Conforms To</b>	BS EN 60898-1



Code	Description
<b>PBM06B</b>	6A B Curve MCB 6kA 1P
<b>PBM10B</b>	10A B Curve MCB 6kA 1P
<b>PBM16B</b>	16A B Curve MCB 6kA 1P
<b>PBM20B</b>	20A B Curve MCB 6kA 1P
<b>PBM32B</b>	32A B Curve MCB 6kA 1P
<b>PBM40B</b>	40A B Curve MCB 6kA 1P
<b>PBM50B</b>	50A B Curve MCB 6kA 1P
<b>PBM63B</b>	62A B Curve MCB 6kA 1P

# MCB - C Curve

**Type C Curve -** TYPE C instantaneous tripping curve is used for the protection of circuits and equipment that have high surge currents, such as motors.

Devices are designed to trip at fault currents of 5 - 10 times rated (in) for example 10A device will trip instantly at 50 - 100A instantaneous current

Code	Description
<b>PBM06C</b>	6A C Curve MCB 6kA 1P
<b>PBM10C</b>	10A C Curve MCB 6kA 1P
<b>PBM16C</b>	16A C Curve MCB 6kA 1P
<b>PBM20C</b>	20A C Curve MCB 6kA 1P
<b>PBM32C</b>	32A C Curve MCB 6kA 1P
<b>PBM40C</b>	40A C Curve MCB 6kA 1P
<b>PBM50C</b>	50A C Curve MCB 6kA 1P
<b>PBM63C</b>	62A C Curve MCB 6kA 1P

## RCBO - B Curve 1P+N

### Type A RCD -

A type provides protection against residual AC currents and residual pulsating DC currents whether suddenly applied or slowly increasing

### Type B CURVE -

Type B instantaneous tripping curve is used for the protection of circuits and equipment that have low surge currents

Devices are designed to trip at instantaneous fault currents of 3 - 5 times rated (In). For example a 10A device will trip at 30-50A instantaneous current.

Code	Description
<b>PBR06B</b>	6A B RCBO 1P 30mA 6kA Type A
<b>PBR10B</b>	10A B RCBO 1P 30mA 6kA Type A
<b>PBR16B</b>	16A B RCBO 1P 30mA 6kA Type A
<b>PBR20B</b>	20A B RCBO 1P 30mA 6kA Type A
<b>PBR32B</b>	32A B RCBO 1P 30mA 6kA Type A
<b>PBR40B</b>	40A B RCBO 1P 30mA 6kA Type A



## RCBO - B Curve 1P+N with Switch Neutral

Code	Description
<b>PBR206B</b>	6A B RCBO 2P 30mA 6kA Type A
<b>PBR210B</b>	10A B RCBO 2P 30mA 6kA Type A
<b>PBR216B</b>	16A B RCBO 2P 30mA 6kA Type A
<b>PBR220B</b>	20A B RCBO 2P 30mA 6kA Type A
<b>PBR232B</b>	32A B RCBO 2P 30mA 6kA Type A
<b>PBR240B</b>	40A B RCBO 2P 30mA 6kA Type A

## RCBO - C Curve 1P+N with Switch Neutral

### Type C Curve -

Type C instantaneous tripping curve is used for the protection of circuits and equipment that have high surge currents, such as motors

Devices are designed to trip at instantaneous fault currents of 3 - 5 times rated (In). For example a 10A device will trip at 50-100A instantaneous current.

Code	Description
<b>PBR206C</b>	6A C RCBO 2P 30mA 6kA Type A
<b>PBR210C</b>	10A C RCBO 2P 30mA 6kA Type A
<b>PBR216C</b>	16A C RCBO 2P 30mA 6kA Type A
<b>PBR220C</b>	20A C RCBO 2P 30mA 6kA Type A
<b>PBR225C</b>	25A C RCBO 2P 30mA 6kA Type A
<b>PBR232C</b>	32A C RCBO 2P 30mA 6kA Type A
<b>PBR240C</b>	40A C RCBO 2P 30mA 6kA Type A

# SPD TYPE 2

- Surge Protection
- Type 2 SPD
- Replacement module Part Code: PBSML
- SPD Kit Part Code: PBSUWK - Includes SPD, 32A MCB, connection wires & labels



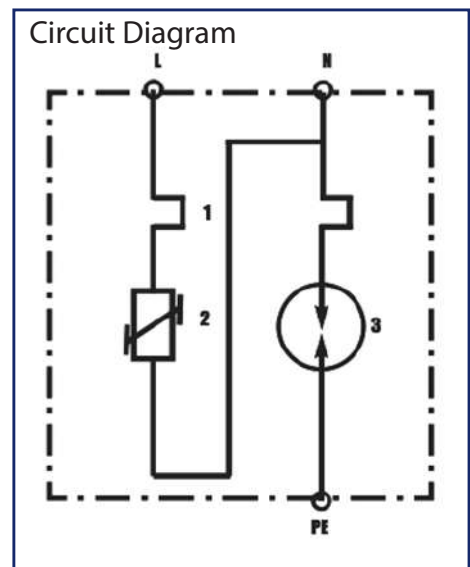
This unit is a single module but has L (Live), N (Neutral) & PE (earth connections), it uses an MOV across the Live & Neutral and a gas discharge tube across Earth & Neutral to dissipate any voltage spikes.

Code	Description
PBSUWK	SPD Kit with Type 2 SPD, 32A MCB, Connection Wires & Label



	PBSUWK		PBSMLWW	
Description	Type 2 SPD		Type 2 SPD - Replacement module	
Pack Quantity	1		1	
Test Class	Type II		Type II	
Terminal Connections	L - N	N - PE	L - N	N - PE
Rated Working Voltage of Uo (v)	230V~50Hz		230V~50Hz	
Max. Discharge Current Imax 8/20µs	40kA		40kA	
Nominal Discharge Current In 8/20µs	20kA		20kA	
Max. Continuous Operation Voltage Uc	275V	255V	275V	255V
Voltage Protection Level Up	1.5kV		1.5kV	
Short Circuit Current Rating Isccr	500A		500A	
Protection Type	MOV	Gas Discharge Tube	MOV	Gas Discharge Tube
Wiring Capacity	L/N, PE 6mm <sup>2</sup>			
Number of Poles	2		2	
Protection Class	IP20		IP20	
Status Indicator	Green - Normal Red - Failure		Green - Normal Red - Failure	
Mounting	35mm Din Rail		Push fit cartridge	
Casing Material	Thermal Plastic UL94V-0		Thermal Plastic UL94V-0	
Dimensions	L81.6 x W18 x D68.5mm		L46.3x W18 x D49.15mm	
Guarantee	3 Years		3 Years	
Conforms To	EN 61643-11		EN 61643-11	

**Suitable for TN - (TN-S, TN-C, TN-C-S) and TT**



# What are arc faults and what causes them?

An arc fault is an unintentional arcing condition in a circuit. Arcing creates high intensity heating at the point of the arc resulting in burning particles that may over time ignite surrounding material. Repeated arcing can create carbon paths that are the foundation for continued arcing, generating even higher temperatures. The temperatures of these arcs can exceed 6000 °C.

## Development of an arc fault

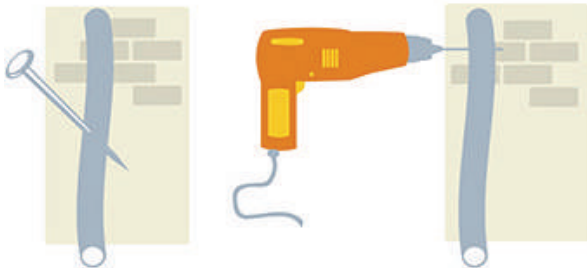
Arc faults are rarely instant and, depending on a wide number of factors, can take time to develop. The time for an arc fault to form is dependent on its root cause (external influences, ageing, etc.).

Arc faults can occur immediately or over a long period (hours, days, weeks, months, years). With the arc developing, temperatures up to 6000°C can be generated and thus the surrounding insulation starts to burn and eventually a fire develops.



Arc faults can occur in any locations where electrical energy is present with varied root causes, for example:-

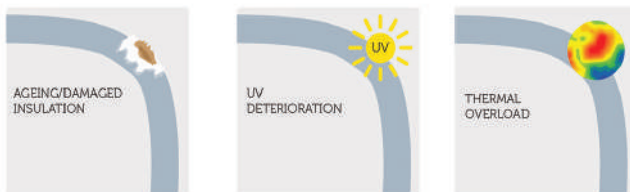
### Pierced Insulation



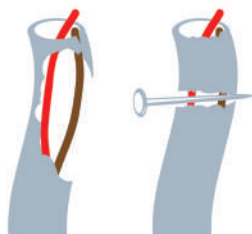
### Rodent Damage



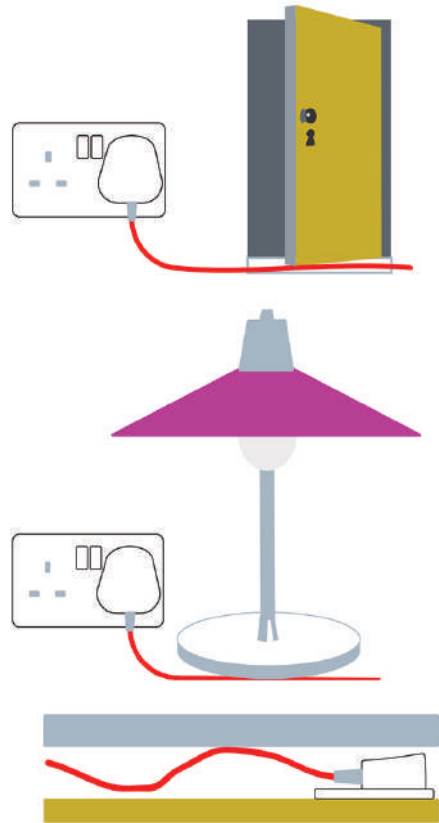
### Deteriorating Insulation



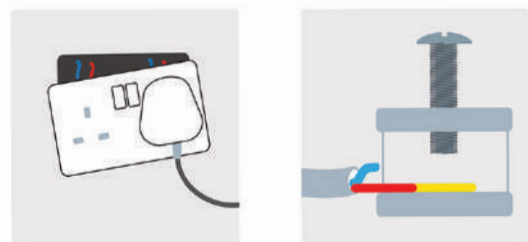
### Damaged Insulation



### Trapped / Crushed Cables



### Damaged Terminations



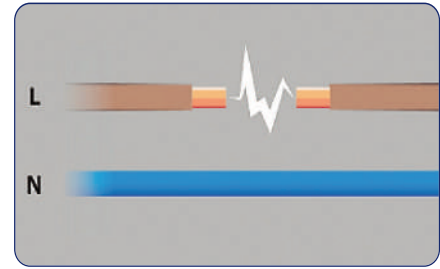
NOTE: AFDDs will detect arcing but not high resistance connections within loose terminations. AFDDs will not detect high resistance connections due to trapped insulation.

# Types of Arc Fault protected by AFDDs

Originates from

- Damaged cables (e.g. crushed, broken)
- Loose connections

A) A series arc is in series with a load and at a lower level than a parallel arc. The series arc fault characteristics result in the rms value of current of current and  $I^2t$  being too low to operate a fuse or MCB.



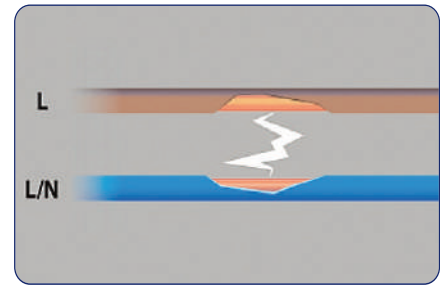
**Protection is provided by AFDDs.**

B) Parallel arc fault current (L-N)

Originates from:

- Fault between L-N
- High impedance due to damaged insulation, fault current is too low to trip other protection devices

Parallel arc fault characteristics (including short duration high peak currents) result in rms,  $I^2t$ , and peak times values that are generally too low to operate protective devices such as fuses or MCBs.

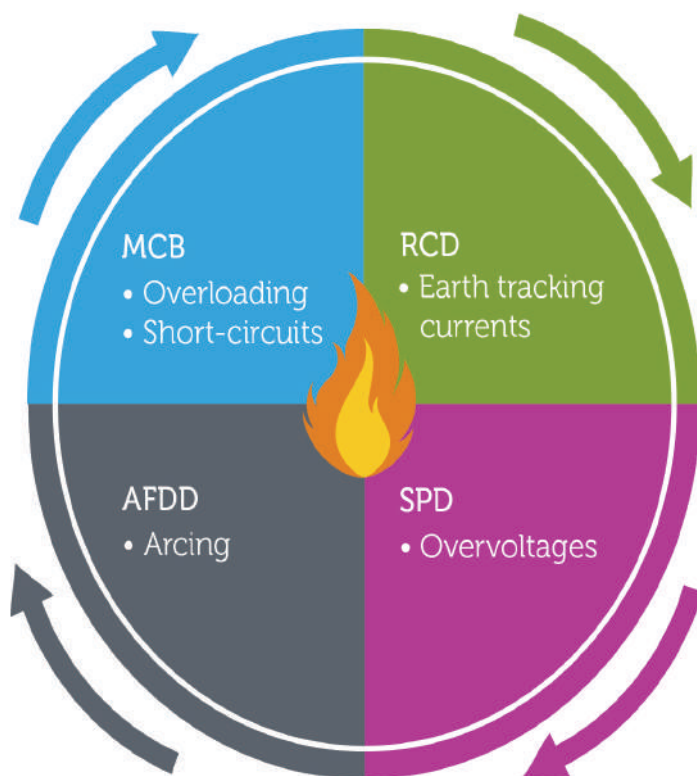
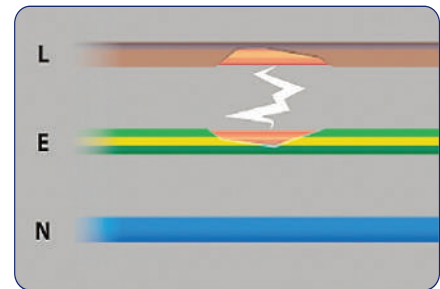


**Protection is provided by AFDDs.**

C) Parallel arc fault current (L-E)

Originates from:

- Fault between L-E
- High impedance due to damaged insulation, fault current is too low to operate circuit breakers or fuses



The IET wiring Regulations state the following:-

Arc Fault detection devices conforming to BS EN 62606 shall be provided for single-phase AC final circuits supplying socket-outlets with a rated current not exceeding 32A.

For all other premises, the use of AFDDs conforming to BS EN 62606 is recommended for single phase AC final circuits supplying socket-outlets not exceeding 32A in

- Higher Risk residential buildings (HRRB)
- Houses in Multiple Occupations (HMOs)
- Purpose built student accommodation
- Care homes

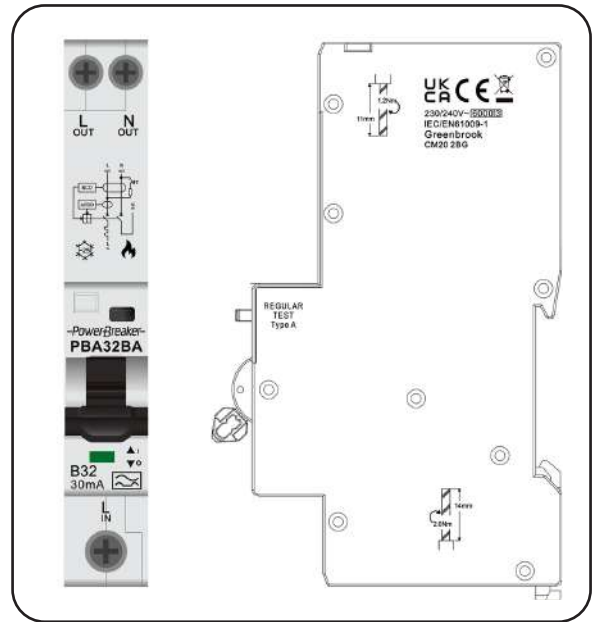
## Arc Fault Detection Device with 30mA Type A RCBO instantaneous tripping Curve B

The PowerBreaker range of circuit protection devices are designed and tested for use with PowerBreaker Consumer Units.

**Type A RCD** - A type provides protection against residual AC currents and residual pulsating DC currents whether suddenly applied or slowly increasing

- **Rated Short Circuit Capacity 6kA**
- **1 Pole RCBO + Switch Neutral**
- **Operational Characteristics Type A, 30mA**
- **Instantaneous Tripping B Curve**

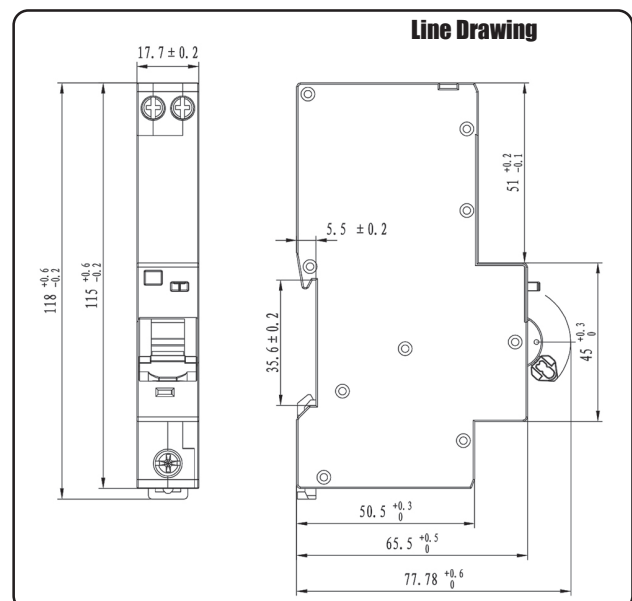
Code	Description
PBA06BA	6A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA10BA	10A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA16BA	16A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA20BA	20A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA25BA	25A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA32BA	32A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B
PBA40BA	40A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve B



**Type B Curve** - Type B instantaneous tripping curve is used for the protection of circuits and equipment that have low surge currents.

Devices are designed to trip at instantaneous fault currents of 3 - 5 times rated ( $I_n$ ). For example a 10A device will trip at 30-50A instantaneous current.

Protection Area	
Fault Type	Detected by Integrated
Short Circuit	MCB
Overload	MCB
Residual Current	RCD
Series Arcing Fault	AFD
Parallel Arcing Fault	AFD
Parallel Arcing Fault to PE	RCD
Over Voltage	AFD



**NOTE:** These devices **MUST** be installed by a qualified electrician in accordance with the latest wiring regulations (BS7671).



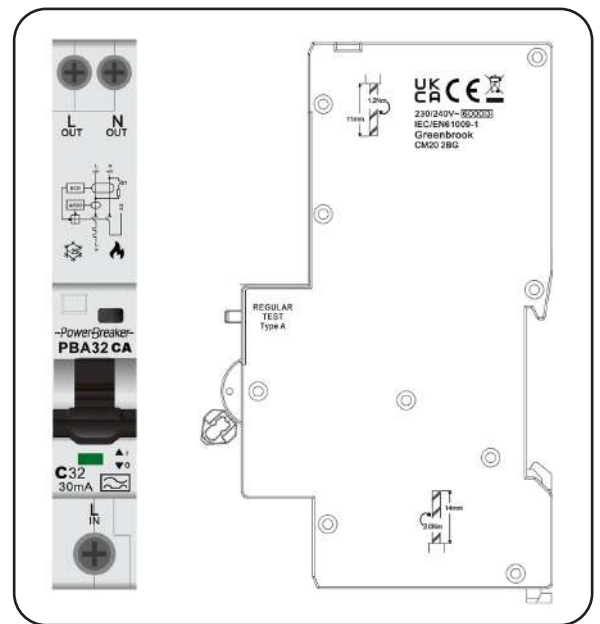
# Arc Fault Detection Device Range - Type C Curve

The PowerBreaker range of circuit protection devices are designed and tested for use with PowerBreaker Consumer Units.

**Type A RCD** - A type provides protection against residual AC currents and residual pulsating DC currents whether suddenly applied or slowly increasing

- **Rated Short Circuit Capacity 6kA**
- **1 Pole RCBO + Switch Neutral**
- **Operational Characteristics Type A, 30mA**
- **Instantaneous Tripping C Curve**

Code	Description
<b>PBA06CA</b>	6A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA10CA</b>	10A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA16CA</b>	16A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA20CA</b>	20A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA25CA</b>	25A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA32CA</b>	32A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C
<b>PBA40CA</b>	40A Arc fault detection device with 30mA Type A RCBO instantaneous tripping curve C

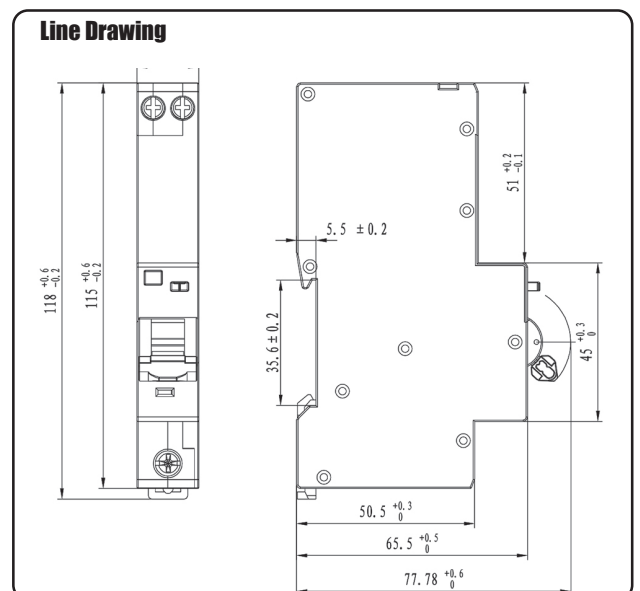


**Type C Curve** - Type C instantaneous tripping curve is used for the protection of circuits and equipment that have high surge currents, such as motors

Devices are designed to trip at instantaneous fault currents of 3 - 5 times rated (In).  
For example a 10A device will trip at 50-100A instantaneous current

Protection Area	
Fault Type	Detected by Integrated
Short Circuit	MCB
Overload	MCB
Residual Current	RCD
Series Arcing Fault	AFD
Parallel Arcing Fault	AFD
Parallel Arcing Fault to PE	RCD
Over Voltage	AFD

**NOTE:** These devices **MUST** be installed by a qualified electrician in accordance with the latest wiring regulations (BS7671).



## Contactor

Contactors are electro-mechanically controlled switches used to control high-power loads using a low-power input. These Contactors are frequently used to switch, heaters, fans, lights and pumps.



Code	Description
PBCON20A	20A, 2P, 230V
PBCON40A	40A, 2P, 230V

## Digital DIN Rail Timer Clock



Din rail mount 7 Day Programmable timer with Digital Display.  
16 Amp rated with change-over contacts

- 7 Day Programmable with Digital Display Time Switch
- 16A

Code	Description
PBDTC	16A, Digital Time Switch

## Mains Isolator Switch

- Rated Short Circuit Capacity 6kA
- 100A
- Double Pole



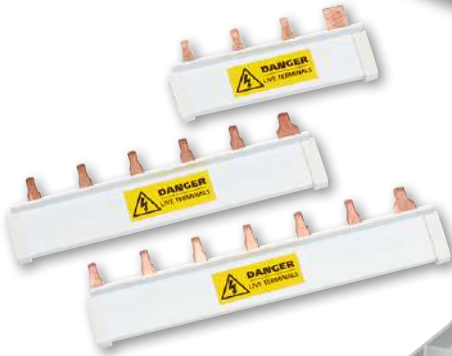
	PBI
Rated Residual Current	100A
Pack Quantity	6
Number of Poles	2P (Double Pole)
Rated Voltage	230/240VAC
Rated Frequency	50/60Hz
Terminal Capacity	1 – 35mm <sup>2</sup>
Mechanical Endurance	10,000 times
Electrical Endurance	4,000 times
Ambient Temperature	- 25°C to +55°C
Storage Temperature	- 40°C to +70°C
Torque (Recommended minimum tightening)	2.5Nm
Din Rail Mounting	Yes
Guarantee	3 Years
Conforms To	BS EN 60947

# Accessories



## Cable Clamp

Code	Description
PBCC	Cable Clamp



## Module Busbar

Code	Description
PBB8	8 Module Busbar
PBB12	12 Module Busbar
PBB16	16 Module Busbar
PBB21	21 Module Busbar



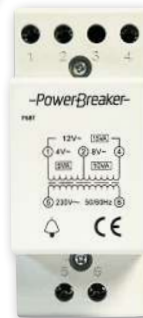
## Blank Module

Code	Description
PBMBB	Blank Module



## Oval Module Knock Out

Code	Description
PBOMKO	Oval Module Knock Out



## Bell Transformer

Code	Description
PBBT	Bell Transformer - 4/8/12 VOLTS



## Tail Glands 32mm

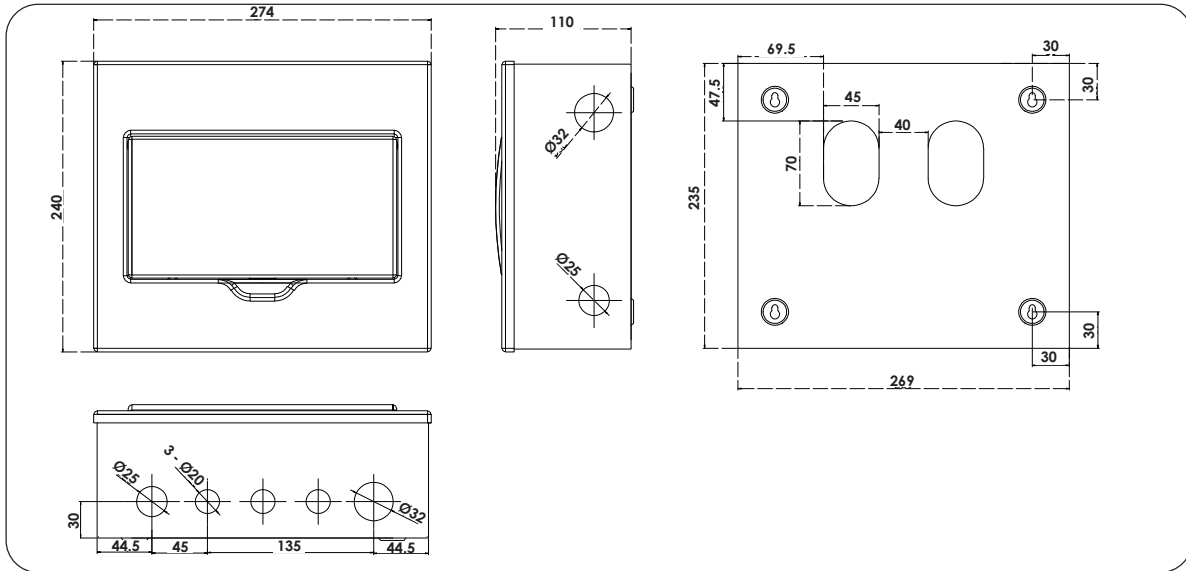
Code	Description
PBTCG32	32mm Tail Gland

Our tail glands meet current regulations for metal consumer units. The tail kit design allows meter tails and the earth wire to enter the consumer unit to be installed through one insert. They provide the required cable retention and help to maintain the appropriate fire integrity of the consumer unit. They also provide anti vibration protection, are easy to assemble and are halogen free.

# Dimensions

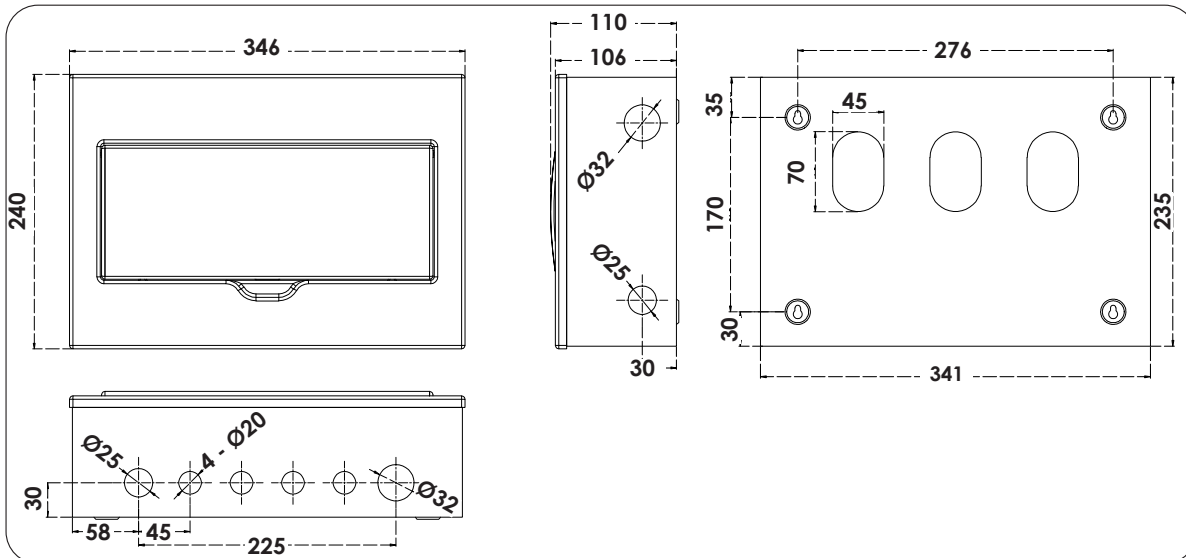
## 8 - 10 Way Dimensions

For Consumer Unit - PBPM08 & PBPM10 / PBPM08-SPD & PBPM10-SPD



## 12 - 14 Way Dimensions

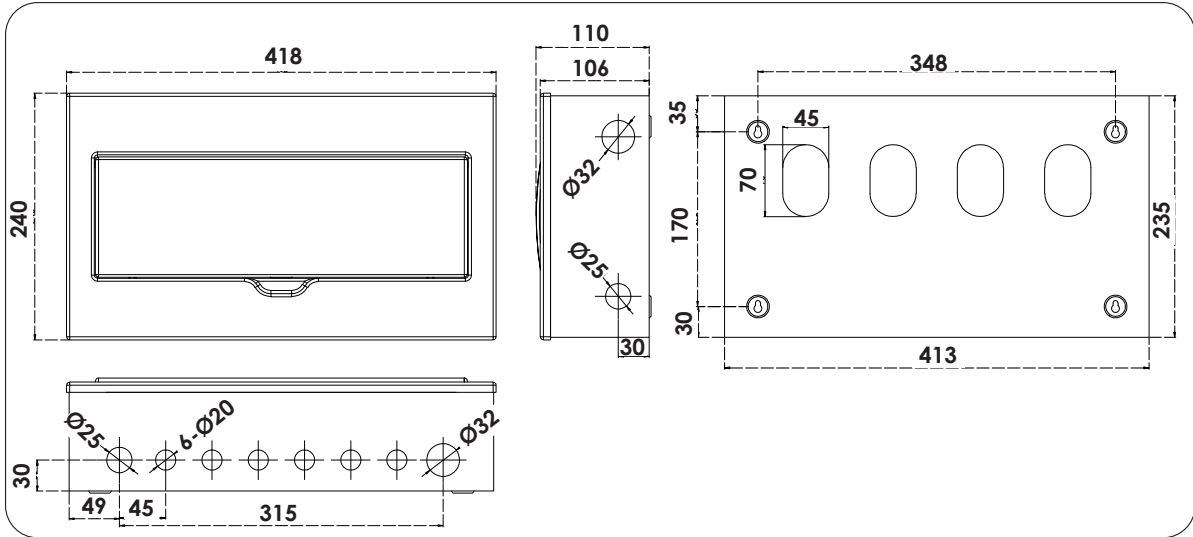
For consumer Unit - PBPD12 / PBPD14 / PBPM12 / PBPM14 / PBPM12-SPD / PBPM14-SPD



# Dimensions

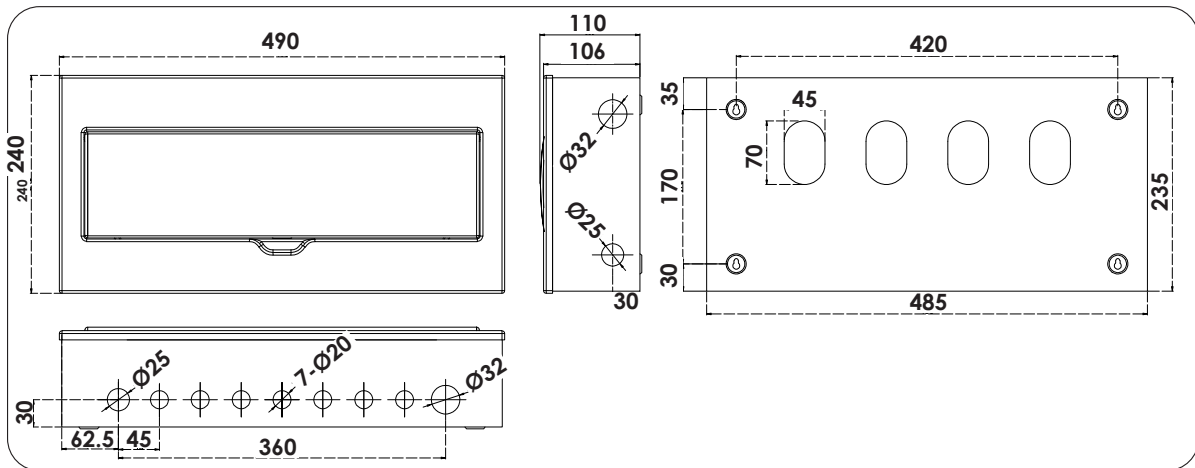
## 16 - 18 Way Dimensions

For consumer Units - PBPD16 / PBPD18 / PBPDM16 / PBPDM18 / PBPDM16-SPD / PBPDM18-SPD  
PBPM16 / PBPM18 / PBPDP16 / PBPDP18 / PBPM16-SPD / PBPM18-SPD / PBPDP16 / PBPDP18



## 20 - 22 Way Dimensions

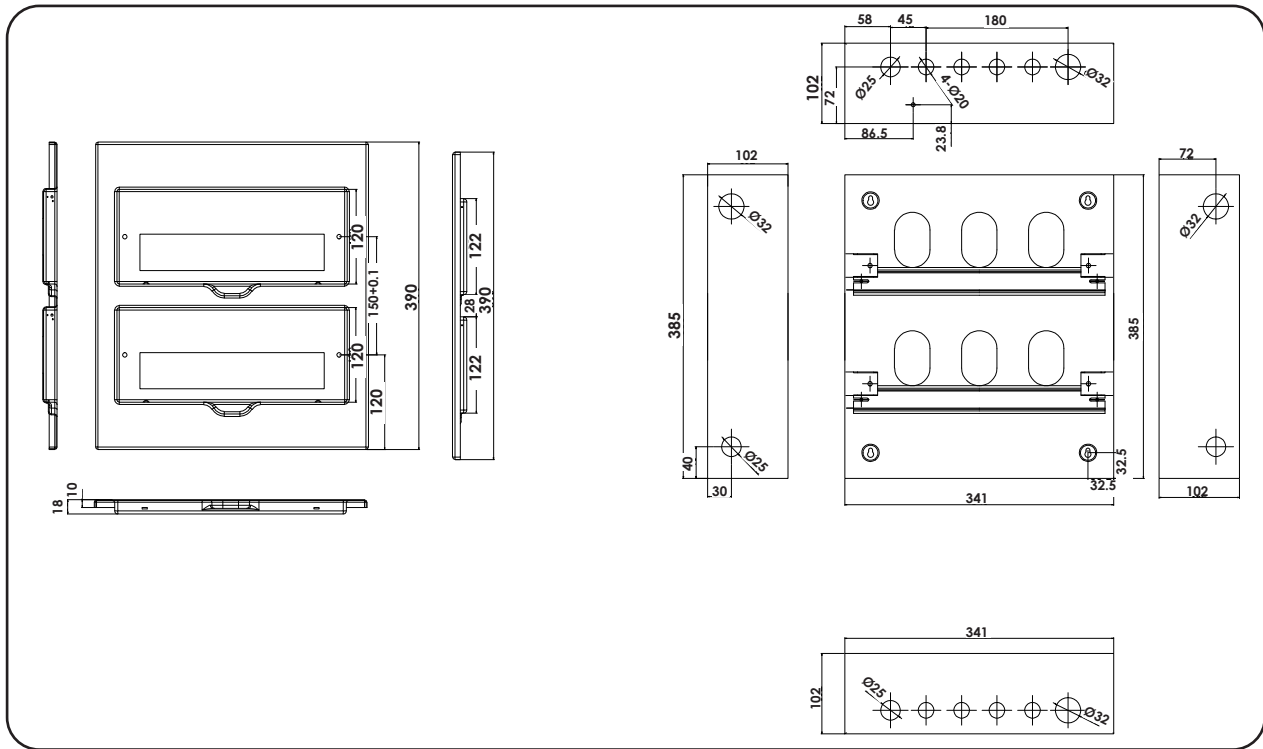
For consumer Unit - PBPD20 / PBPD22 / PBPDM20 / PBPDM22 / PBPDM20-SPD / PBPDM22-SPD  
PBPM20 / PBPM22 / PBPDP22 / PBPH18 / PBPH22 / PBPM20-SPD / PBPM22-SPD



# Dimensions

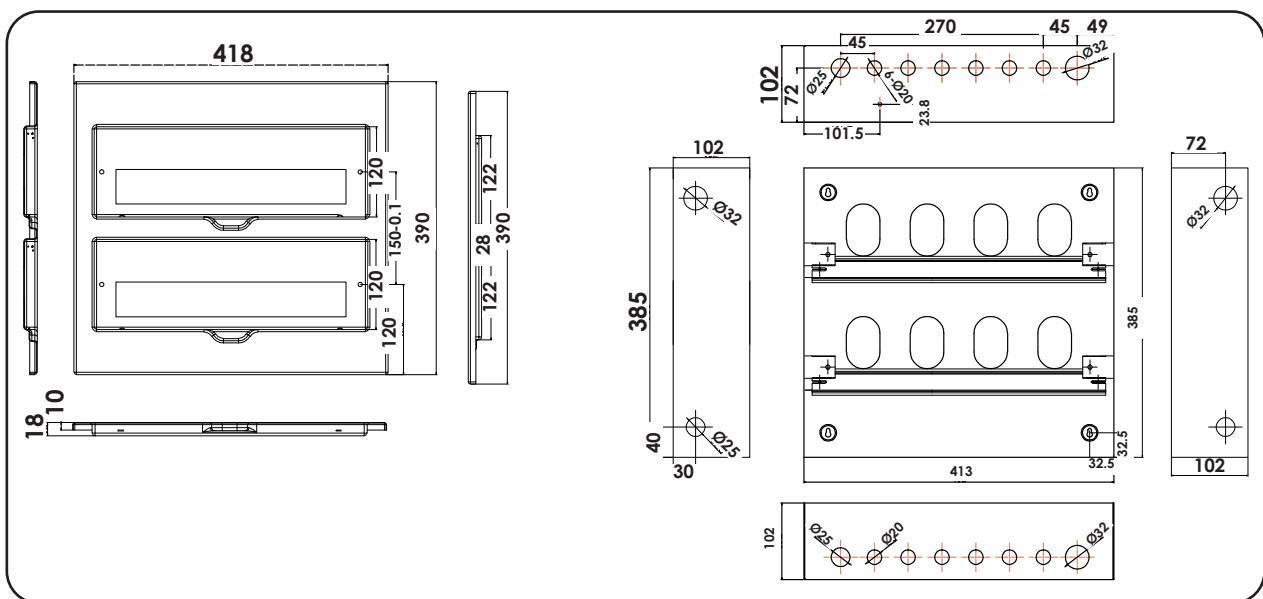
## 20 - 28 Way Dimensions

For consumer Units - PBDS28 / PBDS28-SPD



## 32 - 36 Way Dimensions

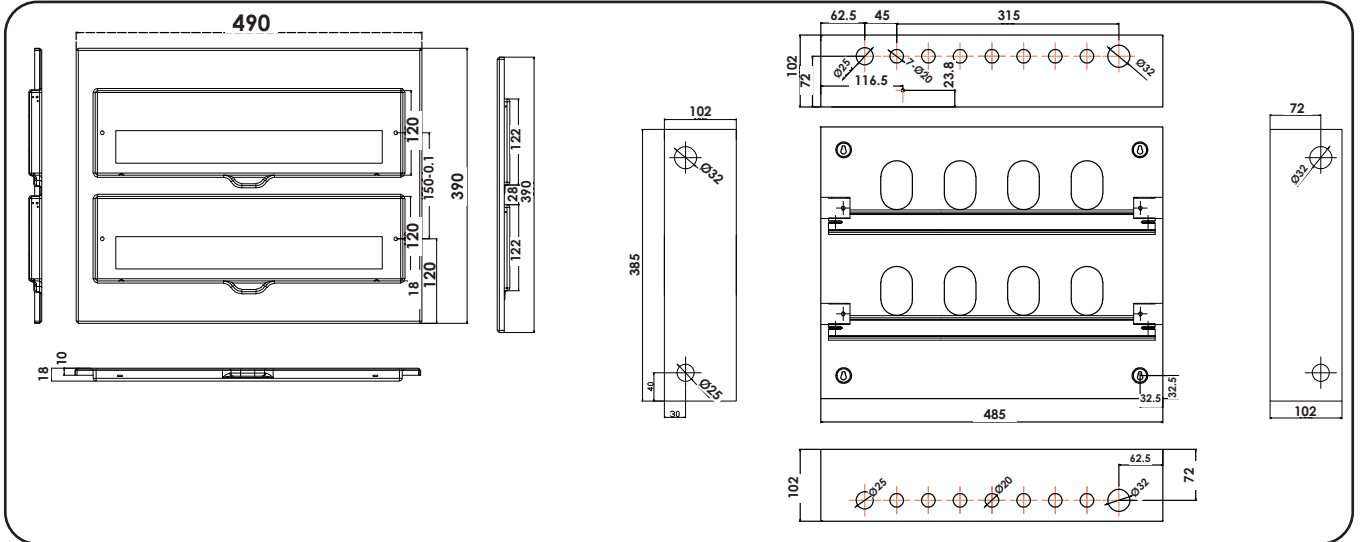
For consumer Units - PBDS36 / PBDS36-SPD



# Dimensions

## 40 - 44 Way Dimensions

For consumer Units - PBDS44 / PBDS44-SPD

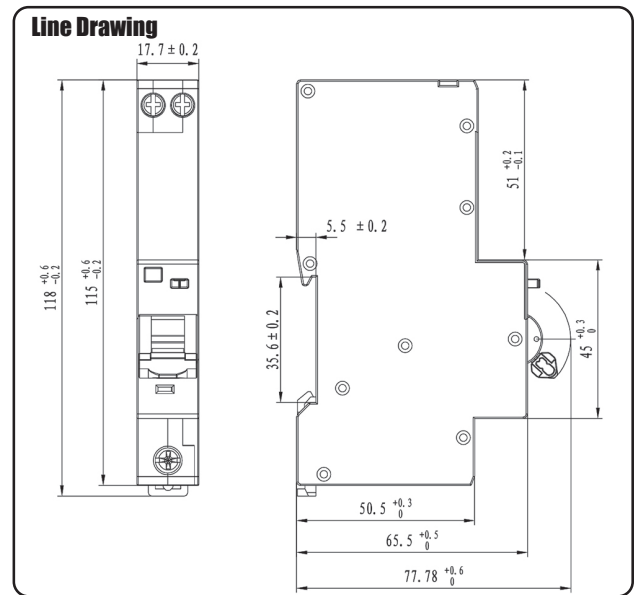
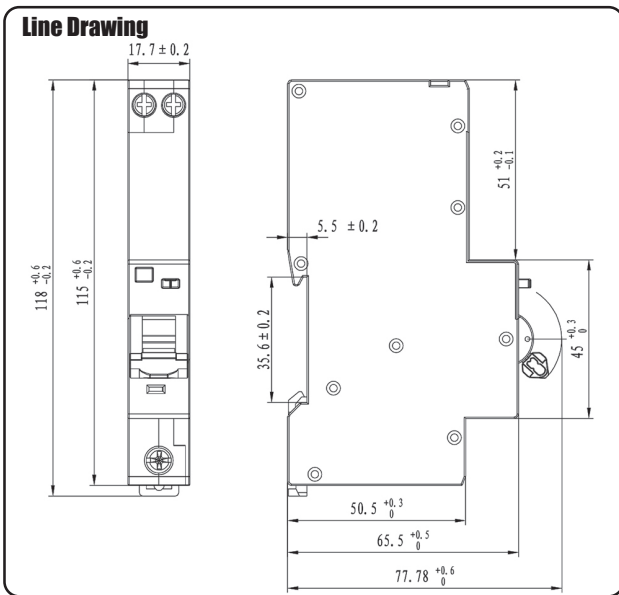


## B Curve

PBA06BA, PBA10BA, PBA16BA, PBA20BA,  
PBA25BA, PBA32BA, PBA40BA

## C Curve

PBA06CA, PBA10CA, PBA16CA, PBA20CA,  
PBA25CA, PBA32CA, PBA40CA



# -PowerBreaker-

Type A Socket RCDs  
Typically Trip at  
>10mS





# Quality Socket RCD Solutions

PowerBreaker RCDs typically trip at least 30 milliseconds **faster** than the BSEN standards require.

Standard BS7288-2016 requires Type A RCDs.

Type A RCDs detect DC pulsating currents and surge faults that a Type AC RCD may not detect.

DC Pulsating currents can be created by faults in modern equipment

- EV car chargers
- Solar panels
- Multi media systems
- Smart Speakers
- USB Sockets
- Phone chargers

It suggests that using RCDs to isolate at the point of use avoids more nuisance up stream tripping - leading to power loss of an entire circuit ring and not just on the problem item.

The 18th Edition Wiring Regulations suggest the use of socket RCDs in all public areas in addition to those in the Consumer Unit.

It is also noted that separate socket RCDs offer better fire protection than solely relying on the circuit board.

The new standard demands products that can withstand more rigorous testing (High Voltage & Short Circuit Tests).

Safer defence against electrocution

Clear Flag indicators (Red = on, Green = off/safe)

A healthcare worker in blue scrubs is seen from the side, pushing a gurney with a patient in a hospital hallway. The patient is covered with a white sheet. The hallway has a door in the background. The text '-PowerBreaker-' is overlaid on the image in a white, italicized font.

*-PowerBreaker-*

*... trusted safety*



## Socket RCD Solutions to rely on

The PowerBreaker commitment to quality and safety ensures our products demonstrate exceptional performance and reliability in demanding environments.

We have constantly exceeded the expectations of our customers earning their continued loyalty.

PowerBreaker SRCD products are specified by the London Underground on the Cross Rail projects with LUL approvals moving towards the carbon reduction programme for 2050.

Within this range we offer a selection of 10mA sockets which function with even more sensitivity than our 30mA - these are ideal for use with hospital equipment or equally important installations.

Our products are “passive” or mechanically latched which means they do not need to be reset after a power loss and will resume normal operation upon the return of power.



# RCD Unswitched Sockets - 30mA

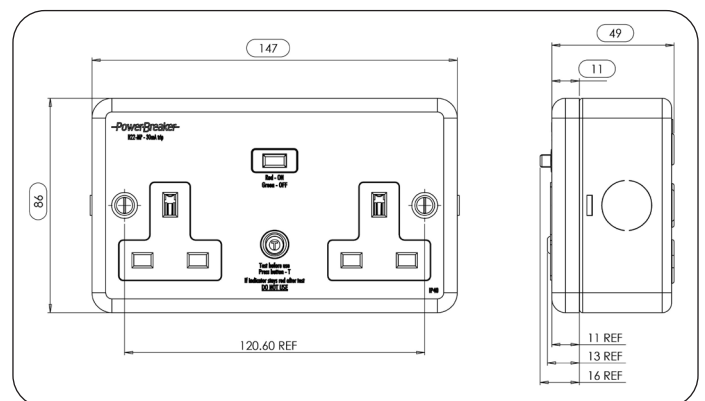
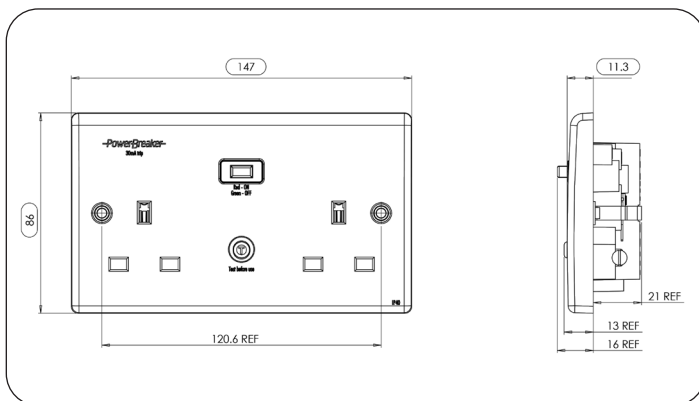
## Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- High intensity LED power on indicator

Part No	Description
H22-WP	RCD Twin Socket Slim profile Scratch resistant urea front plate Fits standard 35mm back box
H22-MP	RCD Twin Socket Complete with metal backbox



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Operating current	13A (13A Inductive)
Typical Trip Speed	Less than 20mS (typical)
RCD contact break	Double Pole
Degree of Protection	IP40
Rated Short-circuit breaking & making Capacity	250A
Rated conditional Short-circuit current	1500A Power factor Range .93 to .98
Independently tested to	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)



# RCD Sockets - Switched Panel Mounting 30mA

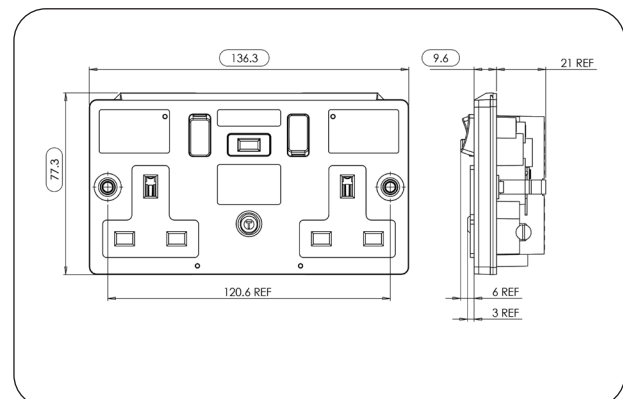
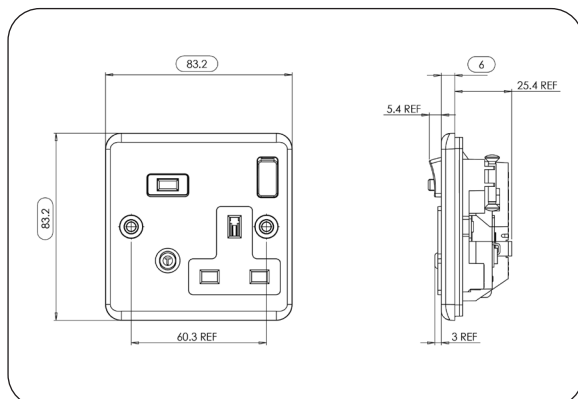
## Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- High intensity LED power on indicator

Part No	Description
K21S-WP	Panel Mounting RCD Single Switched Socket Moulded front plate Max Plate Thickness 2mm
K22S-WP	Panel Mounting RCD Twin Switched Socket Moulded front plate Twin earth terminals Max Plate Thickness 2mm



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Operating current	13A (13A Inductive)
Typical Trip Speed	Less than 20mS (typical)
RCD contact break	Double Pole
Degree of Protection	IP40
Rated Short-circuit breaking & making Capacity	250A
Rated conditional Short-circuit current	1500A Power factor Range .93 to .98
Independently tested to	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)



# RCD Switched Sockets - 30mA & 10mA

## Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off

Part No	Description
K21-WP	RCD Single Switched Socket, Slim profile Moulded front plate Fits standard 35mm back box
K22-WP	RCD Twin Switched Socket, slim profile Moulded front plate Fits standard 35mm back box
K21-MP	RCD Single Switched Socket Complete with metal backbox
K22-MP	RCD Twin Switched Socket Complete with metal back box

Part No	Description - 10mA Super Sensitive
K21-WP10	RCD Single Switched Socket, Slim profile Moulded front plate, Fits standard 35mm back box
K22-WP10	RCD Twin Switched Socket, Slim profile Moulded front plate, Fits standard 35mm back box
K21-MP10	RCD Single Switched Socket, Complete with metal back box
K22-MP10	RCD Twin Switched Socket, Complete with metal back box



K21-WP



K22-WP



K21-MP



K22-MP

### TECHNICAL INFORMATION

Voltage	230V AC ~ 50Hz
Max Operating current	13A (13A Inductive)
Typical Trip Speed	Less than 20mS (typical)
RCD contact break	Double Pole
Degree of Protection	IP40
Rated Short-circuit breaking & making Capacity	250A
Rated conditional Short-circuit current	1500A Power factor Range .93 to .98
Independently tested to	BS 7288:2016, BS 1363-2:2016, BS1363-4:2016 (Fused Connection Unit)

# RCD Fused Connection Units - 30mA & 10mA

## Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- Fused for all fixed electrical appliances
- Cuts the power for added protection against electrocution

Part No	Description
H92-WP	RCD Fused Connection Unit Scratch resistant urea front plate Fits 35mm standard back box
H92-MP	RCD Fused Connection Unit Complete with metal back box



H92-MP

Part No	Description - 10mA Super Sensitive
H92-WP10	RCD Fused Connection Unit Scratch resistant urea front plate Fits 35mm standard back box
H92-MP10	RCD Fused Connection Unit Complete with metal back box



H92-WP

### TECHNICAL INFORMATION

<b>Voltage</b>	230V AC ~ 50Hz
<b>Max Operating current</b>	13A (13A Inductive)
<b>Typical Trip Speed</b>	Less than 20ms (typical)
<b>RCD contact break</b>	Double Pole
<b>Degree of Protection</b>	IP40
<b>Rated Short-circuit breaking &amp; making Capacity</b>	250A
<b>Rated conditional Short-circuit current</b>	1500A Power factor Range .93 to .98
<b>Independently tested to</b>	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)

# RCD In-Line - 30mA Active

- Suitable for BS/European power supply systems
- Robust construction
- Mechanical flag to indicate contact position
- Double Pole breaking
- Separate test and reset button

## TECHNICAL INFORMATION

Rated Trip Current	30mA
Typical Trip Speed	<40mS
RCD contact break	Double Pole
Latching	Electrical - Needs resetting after power loss (Active)
Conforms to	IEC 61540

### Part No

### Description

J62-T	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 240V AC 50/60Hz Max operating current 16A
J62-Y	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 110V AV 50/60Hz Max operating current 16A
J63-X	In-Line RCD with IEC Lead Indoor use only, IP20 Fully portable 240V AC 50Hz Max operating current 10A



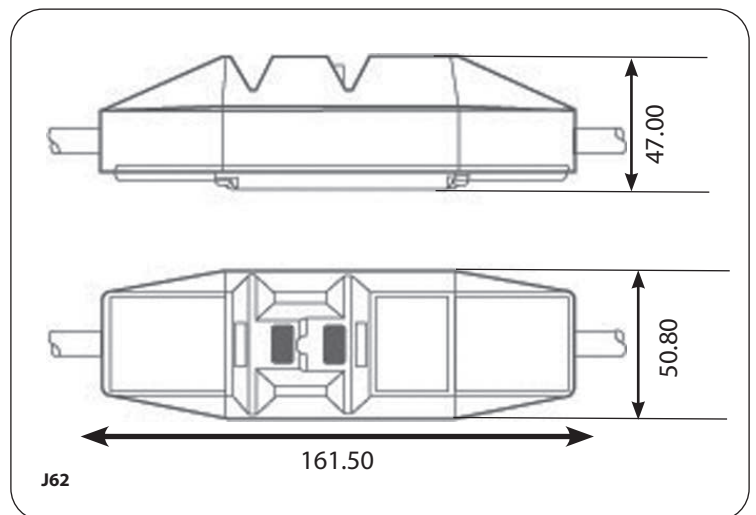
J62-T



J63-X



J62-Y





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*PowerBreaker*  
**PROTEKT**

Range

**PowerBreaker ProteKt - IP66**  
**13A Switched Socket**

PowerBreaker ProteKt products are suitable for use outdoors in severe conditions of rain and water spray as well as dust combination to IP66 as defined by BS EN 60529.

- ✓ **Weatherproof to IP66 with plug inserted and lid closed**
- ✓ **Can be used for long term projects in all weather conditions**
- ✓ **Suitable for all 13A BS Plugs**
- ✓ **20mm Knock outs**
- ✓ **5 Year Guarantee**

TECHNICAL INFORMATION	
Voltage	13A, 230 ~ 240V 50Hz
Socket Conforms to	BS 1363-2
IP Box Conforms to	IEC 60670-1 & IEC 60670-22



PSKT1G



PSKT2G

Part No	Description
PSKT1G	Weatherproof Switched Single Socket W131 x H119 X D80mm
PSKT2G	Weatherproof Switched Twin Socket W179 x H130 x D80mm



**Part No: PBMERCH**  
**Contains 10 x PSKT2G**



**PowerBreaker ProteKt - IP66  
13A Twin Socket - Passive**

- ✓ Weatherproof to IP66 even with plug inserted and lid closed
- ✓ Can be used for long term projects in all weather conditions
- ✓ Uses PowerBreaker technology
- ✓ Extra fast trip action - cuts the power in less than 20mS
- ✓ High intensity LED power-on-indicator
- ✓ Extra fast trip action - typically cuts the power in less than 20mS
- ✓ 13A Socket (13A Inductive), Rated Trip Current 30mA
- ✓ Twin earth terminals
- ✓ 20mm Knock outs
- ✓ 5 Year Guarantee

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Maximum operating current	13A (13A inductive)
Rated Trip Current	30mA
Trip Speed	Less than 20mS (typical)
RCD Contact break	Double pole
Electrical latching	Passive
Independently tested to	BS 7288:2016, BS 1363-2:2016
Box Conforms to	IEC 60670-1 & IEC 60670-22



**-PowerBreaker-  
Technology**

Part No	Description
PSKTRCDP2G	Weatherproof Twin RCD Socket - <b>Passive</b> W195 x H149 x D80mm

**Passive** RCD does not need resetting after power failure



Foam seal inhibits ingress of dust or water by clamping around the cable



## Weatherproof RCD Fused Connection Unit

- ✓ Weatherproof to IP66
- ✓ Can be used for long term projects in all weather conditions
- ✓ Uses PowerBreaker technology
- ✓ High intensity LED power-on indicator
- ✓ Extra fast trip action - typically cuts the power in less than 20mS
- ✓ Double pole RCD action
- ✓ Rated Trip Current 30mA
- ✓ Incorporates 13A fuse
- ✓ Twin earth terminals
- ✓ 20mm Knock outs



### TECHNICAL INFORMATION

Voltage	230V AC ~ 50Hz
Maximum operating current	13A (13A inductive)
Rated Trip Speed	Less than 20mS (typical)
Rated Trip Current	30mA
Terminal capacity	6mm <sup>2</sup> max
RCD contact break	Double pole
Mechanically Latching	Passive - Mechanically latched - Does not need resetting after a power loss
Dimensions	W137 x H132 x D80mm
Cord anchorage - Cable Dia: Cable Size:	4.6mm - 10.4mm 0.5mm <sup>2</sup> to 1.5mm <sup>2</sup>
Independently tested to	BS7288:2016, BS 1363-4:2016
IP Box Conforms to	IEC 60670-1 & IEC 60670-22



Part No	Description
<b>PSPRCD1G</b>	Weatherproof RCD Fused Spur

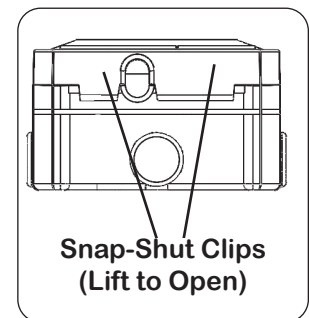
# IP66 Weatherproof Fused Timer Connection Unit

- ✓ Can be used for long term projects in all weather conditions
- ✓ Weatherproof to IP66
- ✓ 1 or 2 hour 'Boost' & 'Advance' controls
- ✓ Ideal for control of: outdoor lighting, ponds, sprinkler systems
- ✓ 4 on & 4 off settings per day, 700 hours battery back up
- ✓ Easy set - Day / 5 Day / 7 Day blocks

Part No	Description
PSPT1G	Weatherproof Fused Connection Unit - 7 Day



TECHNICAL INFORMATION	
Description	Weatherproof Fused Connection Unit
Product Finish	Grey
Voltage	13A, 230V ~ 240V 50Hz
Barcode	5012739 644023
IP Rating	IP66
Display	Large Backlit LCD
Rated Impulse Voltage	4,000V
Operation	Integrated Control
Max Load	Resistive - 13A Inductive - 6A
Manual Switch Type	Double Pole Switch
Timer Switth Type	Relay (Single Pole)
Cord Anchorage	Cable Dia: 4.6mm to 10.4mm
Terminal Capacity	Cable Size: 3 x 1.0mm <sup>2</sup> to 3 x 2.5mm
Knock Outs	20mm
Product Weight (nett)	502g
Packed weight (gross)	578g
Product Dimensions	H137 x W132 x D80mm
Box Dimensions	H138 x W143 x D87mm
Guarantee	5 Years
Timer Conforms to	BS1363-4, BS 5733:2010+A1:2014, BS EN 60730-1:2016+A1:2019, BS EN IEC 60730-2-7:2020
IP Box Conforms to	IEC 60670-1 & IEC 60670-22



## Weatherproof 1 & 2 Gang Switch

- ✓ Can be used for long term projects in all weather conditions
- ✓ IP66 Switched:
  - 1 gang = 2 pole
  - 2 gang = 2 pole
- ✓ Two way operation



### TECHNICAL INFORMATION

Voltage	10AX, 230 ~ 240V 50Hz
Dimensions	W97 x H97 x D65mm
Conforms to	BS EN 60669-1 & BS EN 61058-1

Part No	Description
PSW1G2W	Weatherproof 1 Gang Switch
PSW2G2W	Weatherproof 2 Gang Switch

## Weatherproof Single & Twin Enclosure

- ✓ Weatherproof to IP66
- ✓ Can be used for long term projects in all weather conditions
- ✓ Ideal for use with standard wiring accessories
- ✓ Easy Mounting

PowerBreaker ProteKt products are suitable for use outdoors in severe conditions of rain and water spray as well as dust combination to IP66 as defined by BS EN 60529.

### TECHNICAL INFORMATION

Dimensions	PENC1G - W137 x H132 x D80mm PENC2G - W195 x H149 x D80mm
Independently tested to	IEC 60670-1 & IEC 60670-22



Part No	Description
PENC1G	Weatherproof Single Enclosure
PENC2G	Weatherproof Twin Enclosure

## PowerBreaker RCD Fused Connection Unit

- ✓ Weatherproof to IP67
- ✓ Can be used for long term projects in most weather conditions
- ✓ Uses PowerBreaker technology
- ✓ Passive - Mechanically latched - does not need resetting after a power loss
- ✓ High intensity LED power on indicator
- ✓ Extra fast trip action - typically cuts the power less than 20mS
- ✓ Twin earth terminals

**Type A RCD  
BS 7288-2016**

TECHNICAL INFORMATION	
Product Finish	White Unit / Grey Enclosure
Barcode	5012739600081
Product Weight	610g
Product Dimensions	W125 X H125 X D76mm
Voltage	230V AC ~ 50Hz
Max Operating Current	10A total load (complete with 10A fuse fitted)
IP Rating	IP67
Rated Trip Current	30mA
Typical Trip Speed	Less than 20mS (typical)
RCD Contact Break	Double Pole
Terminal Capacity	6mm <sup>2</sup> max
Rated Short Circuit Breaking & Making Capacity	250A
Rated Conditional Short-Circuit Current	1500A Power Factor Range .93 to .98
Latching	Mechanical - No need to reset after Power Loss (Passive)
Knock-outs	6 x 20mm, 4 x 25mm
Main Housing	High Impact Polycarbonate
Guarantee	5 Years
Conforms To	BS 7288-2016 & BS EN60670



Part No	Description
H92IP-X	RCD Fused Connection Unit - 30mA Passive

## IP55 Weatherproof Powercord Connection Box

- ✓ Easy to use
- ✓ Helps prevent trips and falls
- ✓ Lightweight
- ✓ Portable
- ✓ Extension leads not included
- ✓ UV resistant construction
- ✓ Keeps all temporary connections dry
- ✓ 1 Year Guarantee
- ✓ Multi use



### TECHNICAL INFORMATION

IP Rating	IP55
-----------	------

Part No	Description
<b>DB285B</b>	Powercord Connection Box Medium - Black H150 x W285 x D110mm
<b>DB330B</b>	Powercord Connection Box Large - Black H230 x W330 x D140mm





# Weatherproof Cable Connectors

All damaged cables should be cut through and repaired as if you were joining two cables (insulating tape is not adequate for this purpose), this is achieved with a safety weatherproof cable connector.

The H85Z-C weatherproof plug and socket is suitable for use with appliances that you wish to be able to easily disconnect, such as pond pumps.

- ✓ **1 Year Guarantee**

TECHNICAL INFORMATION	
Conforms to	BS 60998 & BS 5733

Part No	Description
<b>H65Z</b>	IP67 Cable Connector
<b>H85Z</b>	Weatherproof Twin Enclosure IP68 Plug & Socket Cable Connector

*The safe way to repair electric cables on power tool equipment or garden appliances*

### H65Z - IP67 Cable Connector

Can be temporarily submersed in water  
For repairing or extending outdoor cables up to 3 core 2.5mm<sup>2</sup>  
Max current 15A  
Cable Diameter: Max 12.5mm / Min 6mm  
32 x 120mm



### H85Z - Weatherproof Twin Enclosure IP68 Plug & Socket Cable Connector

Can be Submerged in 10 metres of water for up to 30 mins only  
Max current 16A  
Cable Diameter: Max 9mm / Min 5mm  
40 x 140mm



**... Illuminate your space**



## Lighting

Illuminate your space with our extensive range of lighting options. Our vast range of indoor and outdoor lights available in various sizes, shapes and styles.

- **Fire Rated Downlights**
- **Lighting Connectors**
- **Connection Boxes**
- **LED Emergency Driver**
- **Firehood**
- **LED Ultra SLim Link Light Fittings**
- **LED Battens**
- **LED Ceiling Panel**
- **LED Anti Corrosive Fittings**
- **LED Circular Bulkheads**
- **LED Slimline Floodlights**
- **Portable Lights**
- **IP65 Tripods**
- **IP54 Portable Work Light**
- **IP65 Rectangular Bulkheads**
- **IP20 Bathroom Shaverlights**
- **IP44 7W LED Porch Lanterns**



**LED Fire Rated Dimmable Downlights**

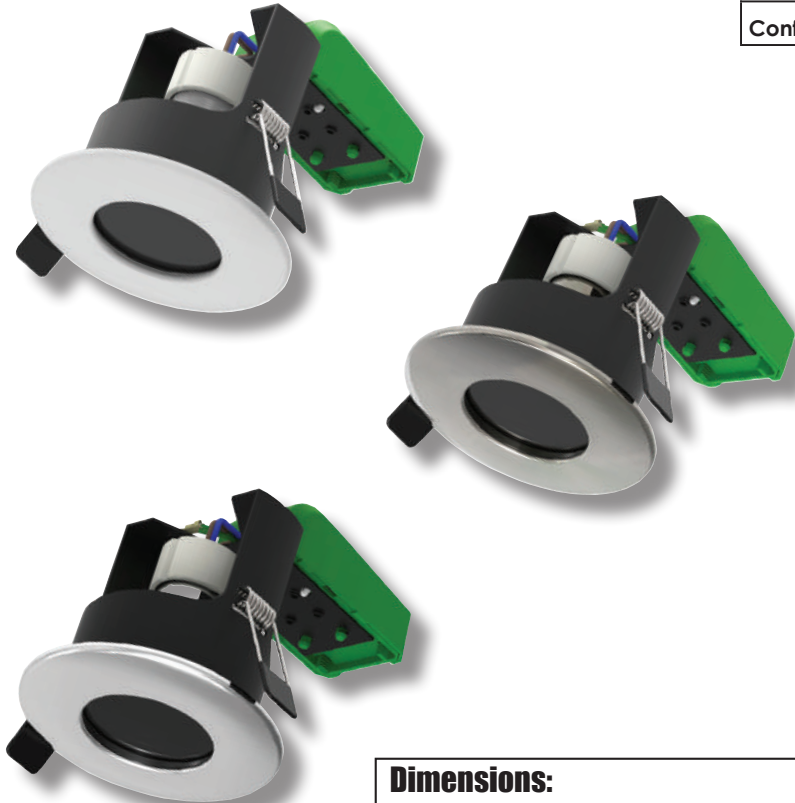
*Dimmable*

- ✓ IP65
- ✓ Certified for 30, 60 or 90 minute fire rated ceilings
- ✓ Screw-less 'Quick Connect' terminal block & housing
- ✓ Push-fit terminals and cable clamps
- ✓ Compact low profile
- ✓ No Lamp supplied
- ✓ Compliant to Building Regulations Part B, C & E



*Quick fit,  
Push in terminals*

TECHNICAL INFORMATION	
Lamp Type	Maximum wattage 50W - GU10
IP Rating	IP65
Power Rating	230V AC - 50Hz
Cut Out	70mm
Class	I
IP Rating	IP65 - from front of fitting IP20 - from back of fitting
Terminals	Earth / Neutral / Live / Loop in Loop out
Operating Range	(Typical) -20°C - +40°C
Main Housing	Black steel flange & Bezel with Borosilicate glass
Dimensions	H106.5 x W85 (Bezel) x L130mm
Guarantee	3 Years
Conforms to	BS 476-21, EN60598-2-2



**VEFW1**

**VELA ECO Fire - White Bezel**

LED Fire Rated Downlight  
Open Back with GU10 Holder

**VEFPC1**

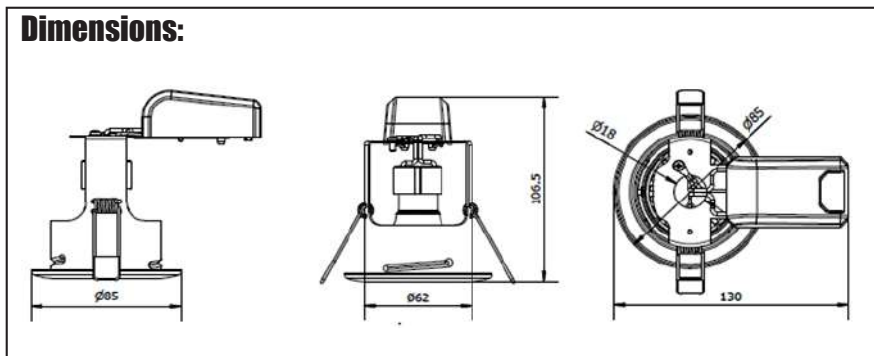
**VELA ECO Fire - Polished Chrome Bezel**

LED Fire Rated Downlight  
Open Back with GU10 Holder

**VEFSC1**

**VELA ECO Fire - Satin Chrome Bezel**

LED Fire Rated Downlight  
Open Back with GU10 Holder





## 7W LED Fire Rated Dimmable Downlights

- ✓ Low profile downlight for shallow ceiling voids
- ✓ Certified for 30, 60 or 90 minute fire rated ceilings
- ✓ Quick Connect - Loop in/Loop out driver
- ✓ Additional bezels for the Fixed fittings -  
Satin Chrome LEDDLCBEZSC & Polished Chrome LEDDLCBEZPC
- ✓ Choice of bezel finishes in the Tilt - White, Satin Chrome & Polished Chrome

**Dimmable**

### VCT3KW

#### LED 7W Tilt - White

3,000K, 620 Lumens  
76mm Cut out  
H40mm x W86.5mm

### VCT3KSC

#### LED 7W Tilt - Satin Chrome

3,000K, 620 Lumens  
76mm Cut out  
H40mm x W86.5mm

### VCT3KPC

#### LED 7W Tilt - Polished Chrome

3,000K, 620 Lumens  
76mm Cut out  
H40mm x W86.5mm

### VC3KW

#### LED 7W Fixed - White

3,000K, 620 Lumens  
60mm Cut out  
H51mm x W80mm

### VC4KW

#### LED 7W Fixed - White

4,000K, 640 Lumens  
60mm Cut out  
H51mm x W80mm



### VCT4KW

#### LED 7W Tilt - White

4,000K, 640 Lumens  
76mm Cut out  
H40mm x W86.5mm

### VCT4KSC

#### LED 7W Tilt - Satin Chrome

4,000K, 640 Lumens  
76mm Cut out  
H40mm x W86.5mm

### VCT4KPC

#### LED 7W Tilt - Polished Chrome

4,000K, 640 Lumens  
76mm Cut out  
H40mm x W86.5mm



## Replacement Compact Bezels

### LEDDLCEZSC

Replacement Bezel for Fixed Fitting

- Satin Chrome

### LEDDLCEZPC

Replacement Bezel for Fixed Fitting

- Polished Chrome



theLIA  
MEMBER

**7W LED Fire Rated Dimmable Downlights**



**Fixed  
IP65**

*Improved Technology*  
**Dimmable**



**Tilt  
IP44  
Low Profile  
Depth 40mm**



	<b>VC3KW</b>	<b>VCT3KW</b>	<b>VCT3KSC</b>	<b>VCT3KPC</b>	<b>VC4KW</b>	<b>VCT4KW</b>	<b>VCT4KSC</b>	<b>VCT4KPC</b>
<b>Description</b>	White Fixed	White Tilt	Satin Chrome Tilt	Polished Chrome Tilt	White Fixed	White Tilt	Satin Chrome Tilt	Polished Chrome Tilt
<b>Barcode</b>	5012739 653223	5012739 653261	5012739 653254	5012739 653247	5012739 653230	5012739 653292	5012739 653285	5012739 653278
<b>Cut Out</b>	60mm	76mm			60mm	76mm		
<b>Dimensions</b>	W80 x H51mm	W86.5 x H40mm			W80 x H51mm	W86.5 x H40mm		
<b>IP rating</b>	IP65	IP44			IP65	IP44		
<b>Lamp Type</b>	LED COB							
<b>Tilt Angle</b>	n/a	50° inclusive (25° each side)			n/a	50° inclusive (25° each side)		
<b>Beam Angle</b>	60°	40°			60°	40°		
<b>Class Type</b>	Class II Driver, Class III Fitting							
<b>Colour Temp</b>	3,000K	3,000K			4,000K	4,000K		
<b>Lumen Output</b>	620	620			640	640		
<b>Energy Class</b>	F							
<b>CRI</b>	>80							
<b>Standby Power</b>	0.2W							
<b>MacAdam Steps</b>	<3							
<b>Wattage</b>	7W							
<b>Ballast Type</b>	LED Driver							
<b>Voltage</b>	230V ~ 50Hz							
<b>Product Weight</b>	180g	220g			180g	220g		
<b>Guarantee</b>	3 Years							
<b>Conforms To</b>	BS EN 60598-1							

## 7W LED Fire Rated Dimmable Downlights

### Dimmers

The VELA COMPACT Range of downlights are designed to be compatible with trailing edge dimmers.



**Fixed**  
**IP65**

### Dimmer Compatibility Chart

Dimmer Specification		Number of Fittings											
Manufacturer Name	Dimmer Model	1	2	3	4	5	6	7	8	9	10	11	12
Zano	ZGRIDLED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	GU6012C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Danlers	DQDGEU400W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zano	ZM0250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zano	ZM0150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	4G 2 Way dimmer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	Ultimate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BG	400AP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
V-PRO	Version 14A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*N.B. GreenBrook are not responsible for any changes of specification of these dimmer models since the time of testing. Any component tolerances or changes of specification remain the responsibility of the dimmer manufacturer and are beyond our control.*

**9W LED Fire Rated Dimmable Downlights**

**9W**

**5 Year  
Guarantee**

- ✓ Certified for 30, 60 or 90 minute fire rated ceilings
- ✓ Available in Fixed, Tilt & Anti-glare fittings
- ✓ Complete with quick connect driver
- ✓ Loop in, loop out connections on driver
- ✓ Additional bezels available - Gold, Matt Black, Satin Chrome & Polished Chrome

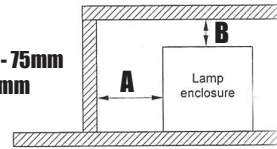
**Dimmable**  
*Improved Technology*

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Wattage	9W
IP Rating	IP65
CRI Rating	>80
Ballast Type	LED Driver
Beam Angle	55°
Class	II
Conforms to	BS EN 60598-1

**Air Circulation Information -**

To prevent accidental damage to the luminaire and to ensure good air flow around the fitting we recommend the minimum clearances as shown.

**A = 50 - 75mm**  
**B = 25mm**



**Fixed  
IP65**

**ADV3KW**

**LED 9W Fixed - White**

3,000K, 820 Lumens  
73mm Cut out, Weight 330g  
D85mm x H61mm

**ADV4KW**

**LED 9W Fixed - White**

4,000K, 850 Lumens  
73mm Cut out, Weight 330g  
D85mm x H61mm



**Tilt  
IP65**

**ADVT3KW**

**LED 9W Tilt - White**

3,000K, 820 Lumens  
83mm Cut out, Weight 395g  
D95mm x H70mm

**ADVT4KW**

**LED 9W Tilt - White**

4,000K, 850 Lumens  
83mm Cut out, Weight 395g  
D95mm x H70mm





**9W**

## 9W LED Fire Rated Dimmable Downlights

**5 Year Guarantee**

**Dimmable**  
Improved Technology

**ADVAG3KW**

**LED 9W Anti-glare - White**

3,000K, 710 Lumens

73mm Cut out, Weight 380g

D85mm x H72mm

**ADVAG4KW**

**LED 9W Anti-glare - White**

4,000K, 740 Lumens

73mm Cut out, Weight 380g

D85mm x H72mm



**Anti-Glare  
IP65**



### Replacement Bezels

**For Fixed Fittings**

ADVBEZSC - **Satin Chrome**

ADVBEZPC - **Polished Chrome**

ADVBEZMB - **Matt Black**

ADVBEZG - **Gold**

**For Tilt Fittings**

ADVTBEZSC - **Satin Chrome**

ADVTBEZPC - **Polished Chrome**

ADVTBEZMB - **Matt Black**

ADVTBEZG - **Gold**

**For Anti-Glare Fittings**

ADVAGBEZSC - **Satin Chrome**

ADVAGBEZPC - **Polished Chrome**

ADVAGBEZMB - **Matt Black**

ADVAGBEZG - **Gold**



Bezels shown on Tilt version



The Vela *Advance* range of downlights are designed to be compatible with both leading edge and trailing edge dimmers.

**9W LED Fire Rated Dimmable Downlights**

**5 Year  
Guarantee**



**Tilt  
IP65**



**Fixed  
IP65**

**Dimmable  
Improved Technology**



**Anti-Glare  
IP65**

	ADV3KW	ADVT3KW	ADVAG3KW	ADV4KW	ADVT4KW	ADVAG4KW
<b>Description</b>	White Fixed	White Tilt	White Anti-Glare	White Fixed	White Tilt	White Anti-Glare
<b>Barcode</b>	5012739 653155	5012739 653209	5012739 653186	5012739 653247	5012739 653216	5012739 653193
<b>Cut Out</b>	73mm	83mm	73mm	73mm	83mm	73mm
<b>Dimensions</b>	W85 x H61mm	W95 x H70mm	W85 x H72mm	W85 x H61mm	W95 x H70mm	W85 x H72mm
<b>IP rating</b>	IP65					
<b>Lamp Type</b>	LED COB					
<b>Tilt Angle</b>	n/a	30° inclusive (15° each side)	n/a	n/a	30° inclusive (15° each side)	n/a
<b>Beam Angle</b>	55°					
<b>Class Type</b>	II					
<b>Colour Temp</b>	3,000K			4,000K		
<b>Lumen Output</b>	820	820	710	850	850	740
<b>Energy Class</b>	F					
<b>CRI</b>	>80					
<b>Standby Power</b>	0.3W					
<b>MacAdam Steps</b>	<3					
<b>Wattage</b>	9W					
<b>Ballast Type</b>	LED Driver					
<b>Voltage</b>	230V ~ 50Hz					
<b>Product Weight</b>	360g	420g	380g	360g	420g	380g
<b>Guarantee</b>	5 Years					
<b>Conforms To</b>	BS EN 60598-1					

## 9W LED Fire Rated Dimmable Downlights

### Dimmers

The VELA *Advance* Range of downlights are designed to be compatible with trailing edge dimmers. GreenBrook have tested a selection of dimmers for compatibility with our product range...



Dimmer Specification		Number of Fittings											
Dimmer Manufacturer	Dimmer Model	1	2	3	4	5	6	7	8	9	10	11	12
Zano	ZGRIDLED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	GU6012C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Deta	S1261	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zano	ZM0250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zano	ZM0150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	4G 2 Way dimmer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schneider	Ultimate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BG	400AP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
V-PRO	Version 14A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*N.B. GreenBrook are not responsible for any changes of specification of these dimmer models since the time of testing. Any component tolerances or changes of specification remain the responsibility of the dimmer manufacturer and are beyond our control.*

**LED Fire Rated Dimmable Downlights**

- ✓ Certified for 30, 60 or 90 minute fire rated ceilings
- ✓ Switchable colour change - from 3,000K to 4,000K
- ✓ Integrated driver
- ✓ Available with clear or frosted lens
- ✓ Quick connections, loop in, loop out
- ✓ Additional bezels available - Gold, Matt Black, Satin Chrome & Polished Chrome
- ✓ 3 Year Guarantee



**Fixed 7.5W**  
- Switch from 3,000K & 4,000K



**Fixed  
IP65**

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Wattage	7.5W
IP Rating	IP65
CRI Rating	>80
Energy Class	G
Ballast Type	LED Driver
Class	II
Operating Temp	-20°C - +40°C
Life Span	50,000 hours
Conforms to	BSEN 60598

**Warm White Cool White**



**VSWITCHC**

**LED 7.5W Fixed - Clear Lens**

73mm Cut out, Weight 277g

D85mm x H83mm

**VSWITCHF**

**LED 7.5W Fixed - Frosted Lens**

73mm Cut out, Weight 277g

D85mm x H83mm

**Bezels for Switch Fittings**

ADVBEZSC - **SATIN CHROME**

ADVBEZPC - **POLISHED CHROME**

ADVBEZMB - **MATT BLACK**

ADVBEZG - **GOLD**

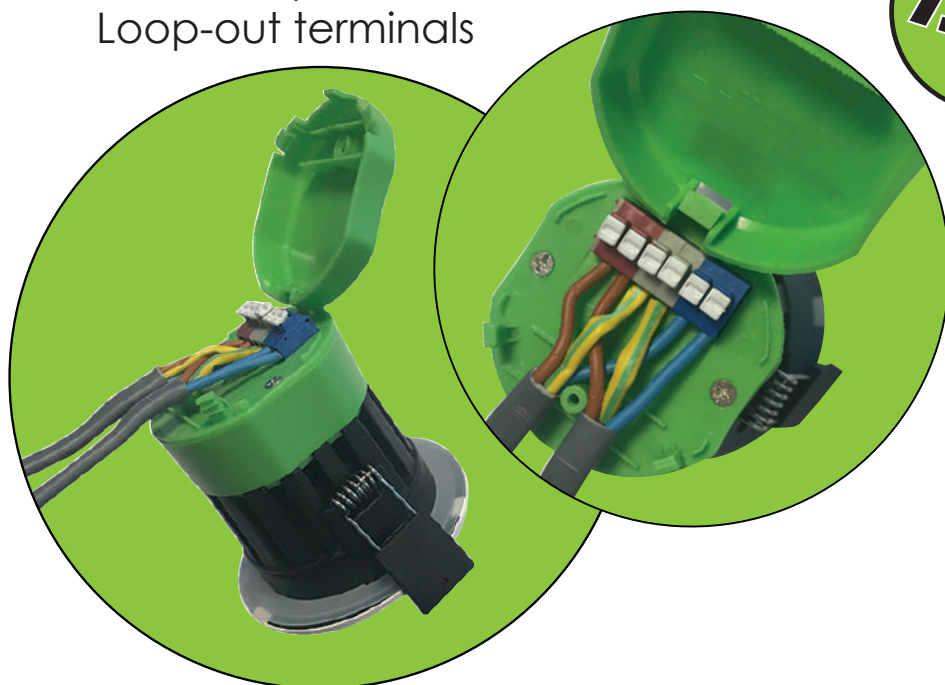


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## LED Fire Rated 'Colour Change' Downlights

### Showing

- Loop-in,  
Loop-out terminals



**7.5W**

### Dimmers

- The **VELA *Switch*** range of downlights are designed to be compatible with most leading edge and trailing edge dimmers

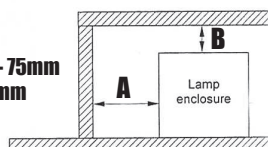


	VSWITCHC - Clear Lens	VSWITCHF - Frosted Lens
Product Finish	White	
Downlight Style	Fixed	
Cut Out	73mm	
Size	D85 x H83mm	
Product Weight	277g	
Barcode	5012739 645983	5012739 645990
IP Rating	IP65	
Lamp Type	SMD LED	
Beam Angle	70°	95°
Colour Temp	3,000K / 4,000K	
Class	II	
Luminaire Lumens Output 3,000K	623	622
Luminaire Lumens Output 4,000K	681	647
Useful Luminous Flux	3,000K - 515lm 4,000K - 532lm	3,000K - 519lm 4,000K - 539lm
Voltage	230V ~ 50Hz	
Wattage	7.5W	
Ballast Type	LED Driver	
Guarantee	3 Years	
Certification & Conformity	BS EN 60598	

#### Air Circulation Information -

To prevent accidental damage to the luminaire and to ensure good air flow around the fitting we recommend the minimum clearances as shown.

A = 50 - 75mm  
B = 25mm



## 20 Amp Lighting Connector - For 3 & 4 Way Flex

- ✓ Easy lock and release system
- ✓ Large terminal for easy access
- ✓ Designed and manufactured by GreenBrook

### TECHNICAL INFORMATION

Description	3 Way Connector	4 Way Connector
Barcode	5012739 641404	5012739 645754
Max Voltage	400V	
Male Connector	1 x 2.5mm <sup>2</sup> 3 core flex	1 x 2.5mm <sup>2</sup> 4 core flex
Female Connector	3 x 2.5mm <sup>2</sup> flat Twin & Earth	3 x 2.5mm <sup>2</sup> flat Twin & Earth
Housing Material	Nylon 66 (PA66)	
Product Finish	Polypropylene Enclosure, Nylon Connector	
IP Rating	IP20	
Box Qty	50	
Dimensions	L110x W42 x H22.3mm	L113x W55 x H22.5mm
Product Weight	0.55kg	0.79Kg
Guarantee	1 year	
Conforms to	EN 61535	

# QUICK3 Connekt



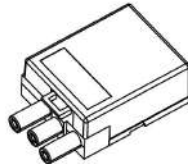
POS Display  
Box Qty 50



**LCGN3P**  
**3 Way Connector**  
20 Amp Lighting  
Connector

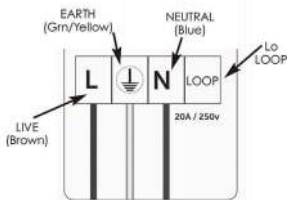
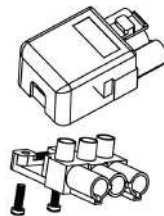
#### Female Socket

Up-to 3 x 2.5mm<sup>2</sup> Twin & Earth can be used.



#### Male Plug

Up-to 1 x 2.5mm<sup>2</sup> 3 core flex can be used.

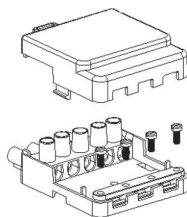


#### Note:

- These couplers are suitable for installation in NON-READY accessible areas
- This system is NOT a replacement for a domestic plug & socket outlet system.
- Installation couplers are intended for connection and disconnection without load.
- Any dangerous compatibility between manufacturer installation coupler system is not automatically prevented by Compliance with IEC EN61535.

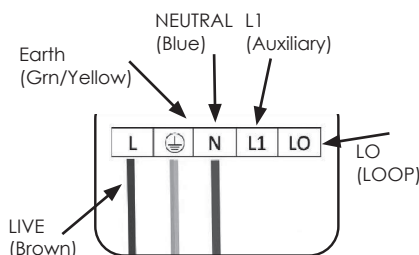
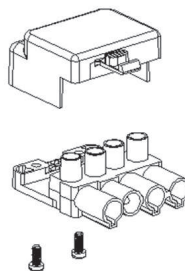
#### Female Socket

Up-to 3 x 2.5mm<sup>2</sup> Twin & Earth can be used.



#### Male Plug

Up-to 1 x 2.5mm<sup>2</sup> 4 core flex can be used.



# QUICK4 Connekt



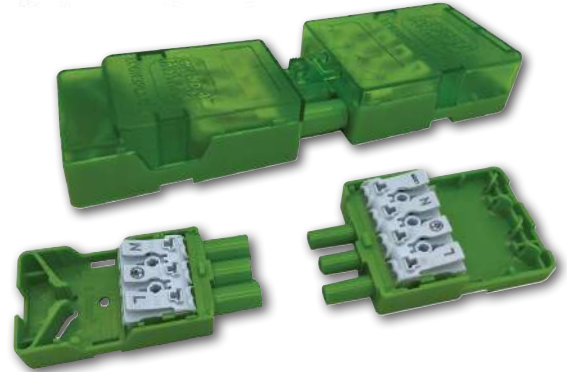
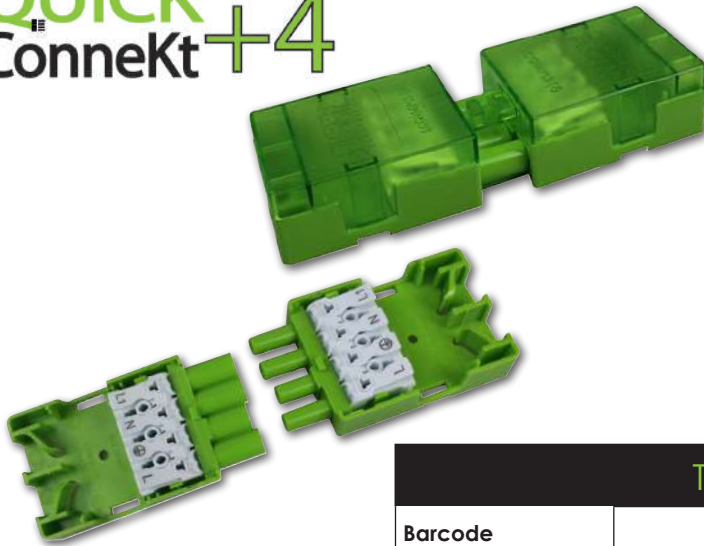
**LCGN4P**  
**4 Way Connector**  
20 Amp Lighting  
Connector

## 20 Amp Lighting Connector with Quick Click Push-Fit Terminals

- ✓ IP20
- ✓ 250 Volt / 20Amp Plug-in Connector
- ✓ Easy lock and release system
- ✓ Push-fit cord grips
- ✓ Large terminal for easy access
- ✓ Designed and manufactured by GreenBrook

**QUICK  
Connekt+**

**QUICK  
Connekt+4**

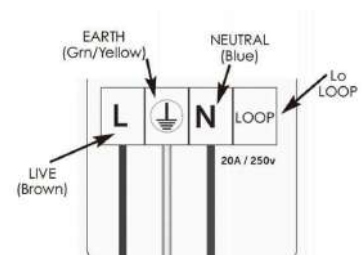
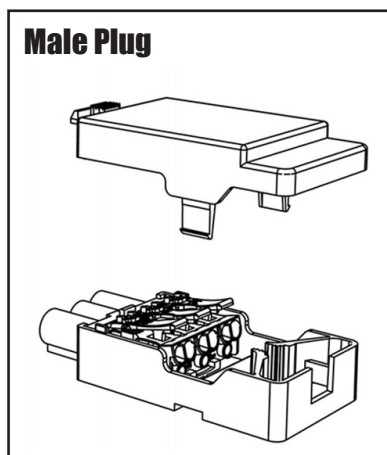
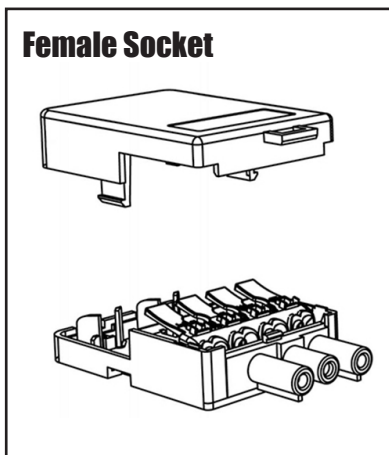


**LCGN3PLS**  
**20 Amp Lighting Connector**  
Quick Click Push-Fit Terminals

**LCGN4PLS**  
**20 Amp Lighting Connector**  
Quick Click Push-Fit Terminals  
Allows connection of permanent  
Live & Switched Live for  
emergency lighting

### TECHNICAL INFORMATION

<b>Barcode</b>	5012739 647567	5012739654992
<b>Max Voltage</b>	250V / 20Amp	
<b>Male Connector</b>	1 x 2.5mm <sup>2</sup> 3 core flex, screw cord grip	2 x 2.5mm <sup>2</sup> Solid 4 core cable Max or 2 x 2.5mm <sup>2</sup> 3 Core Flex
<b>Female Connector</b>	3 x 2.5mm <sup>2</sup> Twin & Earth, loop terminal	2 x 2.5mm <sup>2</sup> Solid 4 core cable Max or 2 x 2.5mm <sup>2</sup> 3 Core Flex
<b>Housing Material</b>	Nylon 66 (PA66)	
<b>Product Finish</b>	Polypropylene Enclosure, Nylon Connector	
<b>IP Rating</b>	IP20	
<b>Terminal Material</b>	Solid Ni Plated Brass	
<b>Box Qty</b>	50	
<b>Dimensions</b>	L142.5 x W45.5 x H21.6mm	L153 x W48 x H23mm
<b>Product Weight</b>	68.5g	84g
<b>Guarantee</b>	1 year	
<b>Conforms to</b>	EN 61535	



- ✓ For protection or electrical connections
- ✓ External easy to use cable clamps
- ✓ Simple one piece snap cover with screw fixings
- ✓ Optional screw or cable tie box fixing
- ✓ Will pass through a 50mm diameter hole
- ✓ Fully assembled

**Registered Design**

**For 2A - 30A terminal strips**



**CHOC30A  
Connection Box with cable clamps**

Come with Free POS  
Display as shown  
H28 x W110 x D49mm  
(including clamps)

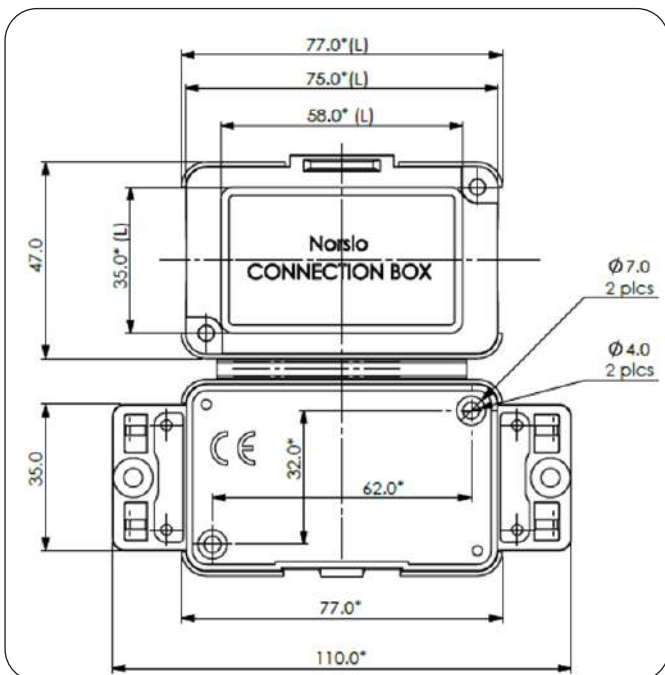


**CHOC30A-10  
Connection Box with cable clamps**

(in poly bag)  
H28 x W110 x D49mm  
(including clamps)

TECHNICAL INFORMATION	
Barcode	5012739 607370
Rated Voltage	250V
Number of Terminals that can fit inside CHOC30A, when located on peg	<b>Horizontal Positioning</b> 2 Amp - 8 terminals 5 Amp - 6 terminals 15 Amp - 4 terminals 30 Amp - 4 terminals
	<b>Vertical Positioning</b> 2 Amp - 4 terminals 5 Amp - 4 terminals 15 Amp - 2 terminals 30 Amp - 2 Terminals
Temperature Range	-5 to +60°C
Max Conductor Size	4mm <sup>2</sup>
Box Qty	50
Product Weight	28g
Product Finish	Natural Polypropylene
Guarantee	1 Year
Conforms To	BS EN60670-22 (13.3.2) 650°C glow-wire

**'Maintenance Free & Tamperproof'**



**CHOC30A-  
Comes with a  
Free POS Display**





- ✓ For protection or electrical connections
- ✓ External easy to use cable clamps
- ✓ Various fastening options
- ✓ Simple one piece snap cover with screw fixings
- ✓ Optional screw or cable tie box fixing
- ✓ Will pass through a 50mm diameter hole
- ✓ Fully assembled

## CHOCBOX +

### Registered Design



**CHOC30APLS  
CHOCBOX+**

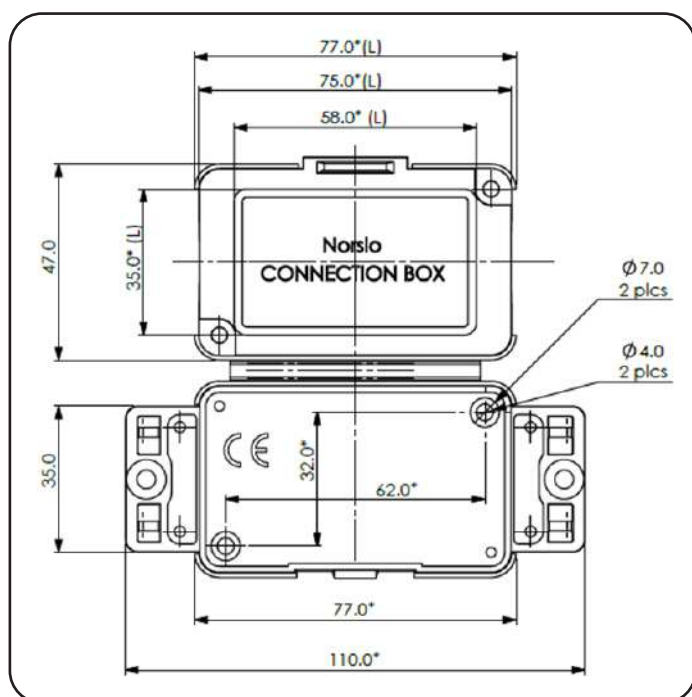
W47 x L110 x D29mm

#### TECHNICAL INFORMATION

Barcode	5012739 647574
Rated Voltage	250V
Terminal Block Size	20 Amp
Temperature Range	-5 to +60°C
Max Conductor Size	2.5mm <sup>2</sup>
Normal Box Qty	50
Product Weight	41g
Dimensions	W47 x L110 x D29mm
Product Finish	Natural Polypropylene
Guarantee	1 Year
Conforms to	BS EN 60670-22

**Complete with 4 Connection 20A Quick Connector Block**

**'Maintenance Free & Tamperproof'**



**Complete with 20A  
Quick release  
connector block**

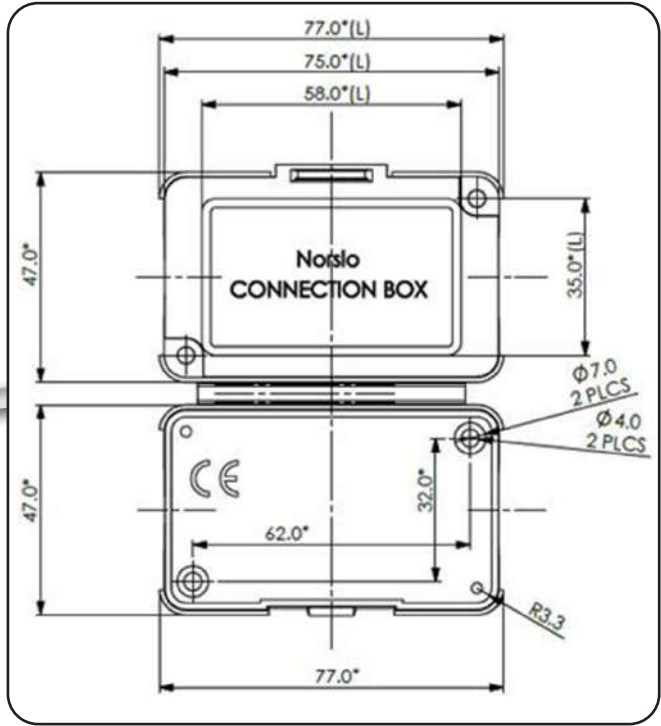
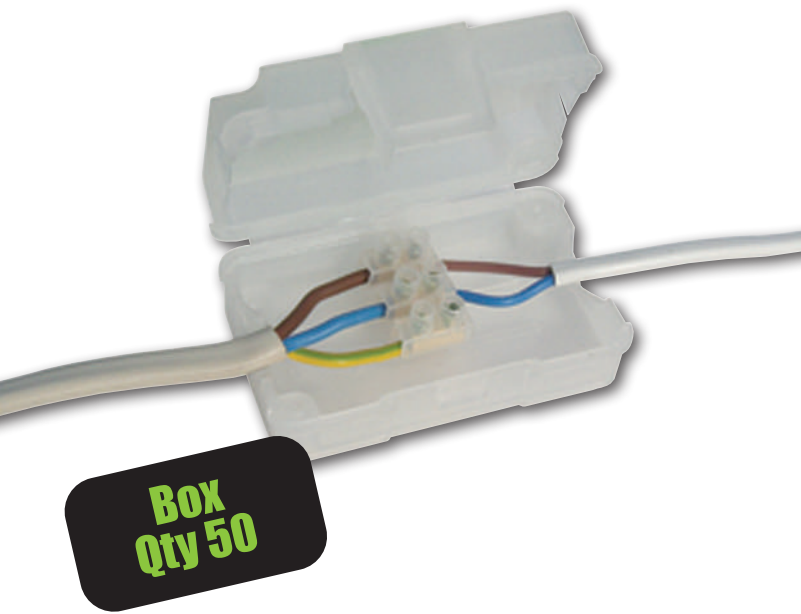
- ✓ For protection of electrical connections
- ✓ Simple One piece base / snap close lid / quick release
- ✓ Will pass through a 50mm diameter hole
- ✓ Fully assembled

## For 2A - 30A terminal Strips



**CHOC30E**  
**Connection Box - Economy**  
 H27 x W77 x D49mm  
 (without cable clamps)

TECHNICAL INFORMATION	
Barcode	5012739 617164
Rated Voltage	250V
Terminal Block Size	2 to 30 Amp
Temperature Range	-5 to +60°C
Max Conductor Size	4mm <sup>2</sup>
Box Qty	50
Product Weight	22.5g
Product Finish	Natural Polypropylene
Guarantee	1 Year
Conforms to	BS EN 60670-22



# LED 3W EMERGENCY DRIVER

- ✓ Built-in battery supplying 3 hours emergency operation in light of a mains failure
- ✓ Maintained / Non-Maintained
- ✓ Quick & easy to connect
- ✓ Compact & lightweight - screw-less assembly
- ✓ Separate small green LED indicator giving status of battery charge
- ✓ Bezel mount for LED - for ease of installation in ceilings
- ✓ Conforms to BS EN 61347-1 and BS EN 61347-2-13

## Emergency Operation - Duration 3 Hours



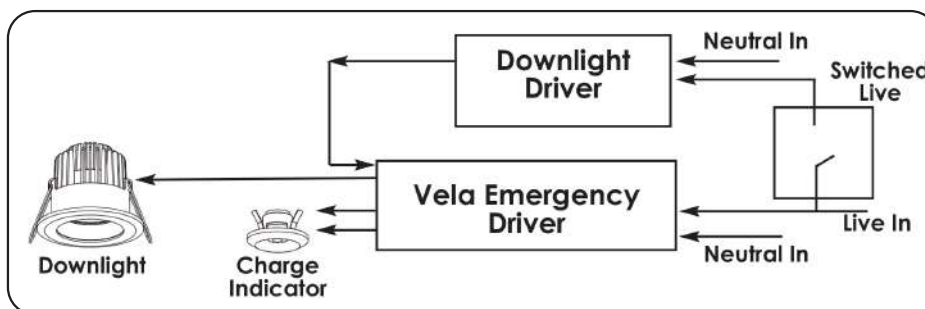
### LEDLEPN

#### LED 3W Emergency Driver

Maintained / Non Maintained

3 Hour emergency operation

	LEDLEPN
Description	LED 3W Emergency Driver
Product Finish	White
Barcode	5012739649004
Voltage	230V ~50Hz
Emergency Output Power	3W
Max Output Voltage	36V
Max Output Current	90mA
Battery Type	3.6V, 3,000Ah - Lithium ion
Emergency Operation	3 Hours
Emergency Switch Time	<1s
Battery Life	20,000 hours
Charge Time	>24 hours
Working Environment	-20°C - 50°C / 65+20% RH
Product Weight	150g
Dimensions	L150 x W40 x D30mm
Guarantee	1 Year
Conforms To	BS EN 61347-1 & BS EN 61347-2-13



## 60 Minute Fire-hood



### FH1

#### 60 Minute Fire-hood

Covers a wide range of mains & low voltage downlights. It is also ventilated to reduce heat build up.

Conforms to BS 476 part 23

ø 150 x 150mm





Would you like our help to merchandise your trade counter? Our Regional Sales Managers would be pleased to talk you through the sales benefits of dressing your branch with a GreenBrook display.



**LED Ultra Slim Link Light Fittings**

**UCLED3WW - Warm White**

3,000K, 108 lm/W, L222 x W23 x H37mm

**UCLED3CW - Cool White**

4,000K, 108 lm/W, L222 x W23 x H37mm

**UCLED5WW - Warm White**

3,000K, 108 lm/W, L296 x W23 x H37mm

**UCLED5CW - Cool White**

4,000K, 108 lm/W, L296 x W23 x H37mm

**UCLED8WW - Warm White**

3,000K, 108 lm/W, L525 x W23 x H37mm

**UCLED8CW - Cool White**

4,000K, 108 lm/W, L525 x W23 x H37mm

**UCLED14WW - Warm White**

3,000K, 108 lm/W, L857 x W23 x H37mm

**UCLED14CW - Cool White**

4,000K, 108 lm/W, L857 x W23 x H37mm

**UCLED16WW - Warm White**

3,000K, 108 lm/W, L1157 x W23 x H37mm

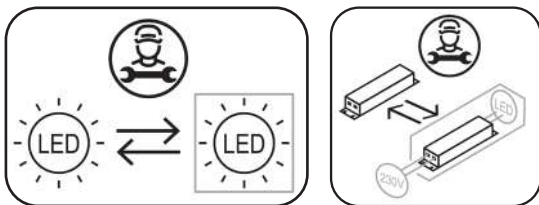
**UCLED16CW - Cool White**

4,000K, 108 lm/W, L1157 x W23 x H37mm

TECHNICAL INFORMATION	
Voltage	230V ~ 50Hz
Max Operating current	IP20
Lamp Type	LED Array
Colour Temp	4,000K (Cool White - CW) 3,000K (Warm White - WW)
Lamp Expectancy of fitting	30,000 hrs
Operating Temp	-10°C - +40°C
Switching Cycle	20,000
CRI Rating	>80
Class	II
Conforms to	EN 60598-1, EN 60598-2-1

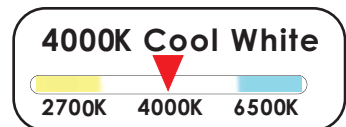


*For Non-user replaceable light sources:  
'The light source contained in this luminaire shall only be replaced by the manufacturer or their service agent or a similar qualified person'.*



**Each Libra link light comes complete with 2M power lead, 500mm link lead, Opal diffuser and mounting clips**

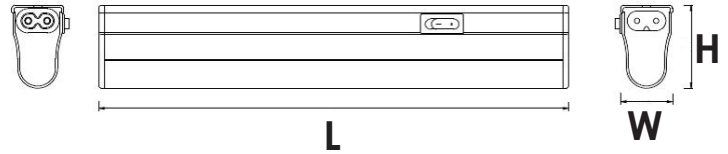
**This product contains a light source of energy efficiency Class F.  
These fittings are not dimmable**



## LED Ultra Slim Link Light Fittings

This range of LED Ultra slim fittings add subtle down-lighting to your home, in a colour choice of 3,000K Warm White or 4,000K Cool White.

- ✓ Supplied with 2M power lead, 500mm link lead, butt connector & mounting brackets
- ✓ Flicker free quick start
- ✓ Link leads available separately  
- codes UC250LLN / UC500LLN / UC1000LLN
- ✓ 3 Year Guarantee



	UCLED3WW (warm white) UCLED3CW (cool White)	UCLED5WW (warm white) UCLED5CW (cool white)	UCLED8WW (warm white) UCLED8CW (cool white)	UCLED14WW (warm white) UCLED14CW (cool white)	UCLED16WW (warm white) UCLED16CW (cool white)
<b>Product Finish</b>	Polycarbonate Body and Diffuser - White				
<b>Max Wattage</b>	3W	5W	8W	14W	16W
<b>Product Dimensions</b>	L222 x W23 x H37mm	L296 x W23 x H37mm	L525 x W23 x H37mm	L857 x W23 x H37mm	L1157 x W23 x H37mm
<b>Product Weight</b>	0.13kg	0.23kg	0.50kg	0.61kg	0.70kg
<b>Barcode</b>	5012739 645624 5012739 645617	5012739 645648 5012739 645631	5012739 645662 5012739 645655	5012739 645686 5012739 645679	5012739 645709 5012739 645693
<b>Lumen Output</b>	300 / 108 lm/W	500 / 108 lm/W	800 / 108 lm/W	1400 / 108 lm/W	1600 / 108 lm/W
<b>Lamp Type</b>	LED Array				
<b>Beam Angle</b>	120°				
<b>IP Rating</b>	IP20				
<b>Life expectancy of fitting</b>	30,000 hours				
<b>Class Type</b>	II				
<b>LED Light Source</b>	NDLS (Non-direction light source)				
<b>CRI</b>	>80				
<b>Colour Temperature</b>	4,000K (Cool White - CW) / 3,000K (Warm White - WW)				
<b>Voltage</b>	230V AC ~ 50Hz				
<b>Operating Temp</b>	-10°C - +40°C				
<b>Main Housing material</b>	Polycarbonate				
<b>Switching Cycle</b>	20,000				
<b>Guarantee</b>	3 Years				
<b>Certification &amp; Conformity</b>	EN60598-1, EN 60598-2-1				

## IP20 LED Battens - Standard & High Output Fittings

- ✓ Steel body construction, Opal polycarbonate diffuser
- ✓ Integrated driver
- ✓ High output options in the same footprint
- ✓ LED chips high luminous efficiency
- ✓ Instant start
- ✓ Compact design
- ✓ 3 Year Guarantee



**LEDBAT4 -**  
4ft Batten Fitting

**LEDBAT5 -**  
5ft Batten Fitting

**LEDBAT6 -**  
6ft Batten Fitting

**LEDBAT4H -**  
4ft Batten Fitting  
High Output

**LEDBAT5H -**  
5ft Batten Fitting  
High Output

**LEDBAT6H -**  
6ft Batten Fitting  
High Output



	LEDBAT4	LEDBAT5	LEDBAT6	LEDBAT4H	LEDBAT5H	LEDBAT6H
<b>Description</b>	4ft Batten	5ft Batten	6ft Batten	4ft Batten (High Output)	5ft Batten (High Output)	6ft Batten (High Output)
<b>Voltage</b>	220V ~ 240V AC					
<b>Operating Temp</b>	-15 deg / +50					
<b>Product Dimensions</b>	L1190 x W53 x H64mm	L1485 x W53 x H64mm	L1758 x W53 x H64mm	L1190 x W53 x H64mm	L1485 x W53 x H64mm	L1758 x W53 x H64mm
<b>Product Weight</b>	1030g	1281g	1510g	1106g	1342g	1674g
<b>Barcode</b>	5012739 645839	5012739 645853	5012739 645877	5012739 645846	5012739 645860	5012739 645884
<b>Wattage</b>	18W	24W	32W	36W	48W	64W
<b>Lumens</b>	1800	2400	3400	2900	4000	5200
<b>Mounting Options</b>	BESA mount or screw fixings					
<b>Lamp Type</b>	LED Non-replaceable					
<b>Lamp Life Expectancy</b>	>30,000 hrs					
<b>Frequency</b>	50 / 60 Hz					
<b>IP Rating</b>	IP20					
<b>Knock-outs</b>	2 x 20mm					
<b>Colour Temperature</b>	4,000K					
<b>Beam Angle</b>	120°					
<b>Class Type</b>	I					
<b>CRI</b>	>80					
<b>Main housing material</b>	Steel body with Polycarbonate Diffuser					
<b>Guarantee</b>	3 Years					
<b>Certification &amp; Conformity</b>	BS EN 60598					





## IP20 LED Battens - Emergency Fittings

- ✓ IP20
- ✓ Steel body construction, Opal polycarbonate diffusers
- ✓ Integrated driver
- ✓ High output options in the same footprint
- ✓ High LED chip efficiency
- ✓ Compact design

*Emergency Fittings*

**Greater than 3 hours emergency operation**

	LEDBAT5EM	LEDBAT6EM	LEDBAT5HEM	LEDBAT6HEM
<b>Description</b>	5ft Emergency Batten	6ft Emergency Batten	5ft Emergency Batten (High Output)	6ft Emergency Batten (High Output)
<b>Product Dimensions</b>	L1485 x W53 x H64mm	L1758 x W53 x H64mm	L1485 x W53 x H64mm	L1758 x W53 x H64mm
<b>Product Weight</b>	1811g	2041g	1857.5g	2053g
<b>Barcode</b>	5012739 647741	5012739 647758	5012739 647840	5012739 647857
<b>Wattage</b>	24W	32W	48W	64W
<b>Power Rating</b>	220V / 240V AC ~ 50Hz			
<b>Lumens</b>	2400	4000	3400	5200
<b>Mounting Options</b>	BESA mount or screw fixings			
<b>Lamp Type</b>	LED Non-replaceable			
<b>IP Rating</b>	IP20			
<b>Knock-outs</b>	2 x 20mm at ends of fitting and 1 x 20mm at the back of fitting			
<b>Colour Temperature</b>	4,000K			
<b>Beam Angle</b>	120°			
<b>Ballast Type</b>	LED Driver			
<b>Battery Type</b>	Ni-Cd, 6V, 3,000mAh			
<b>Emergency Duration</b>	More than 3 hours			
<b>Class Type</b>	I			
<b>Main housing material</b>	Steel body with Polycarbonate Diffuser			
<b>Guarantee</b>	3 Years			
<b>Certification &amp; Conformity</b>	BS EN 60598			

**LEDBAT5EM -**  
5ft Emergency Batten

**LEDBAT6EM -**  
6ft Emergency Batten

**LEDBAT5HEM -**  
5ft Emergency Batten (High Output)

**LEDBAT6HEM -**  
6ft Emergency Batten (High Output)

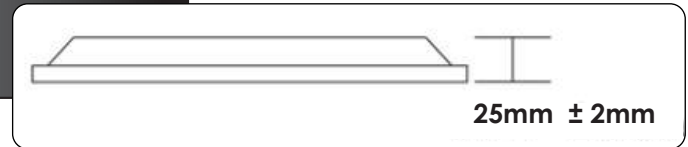
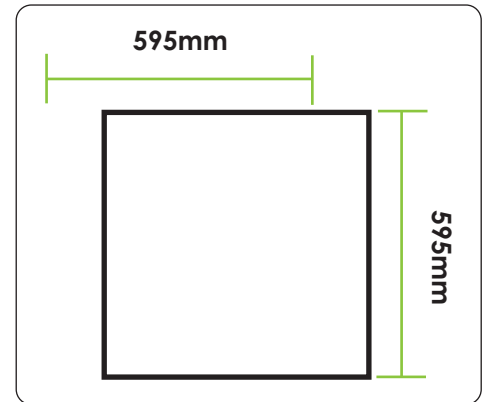
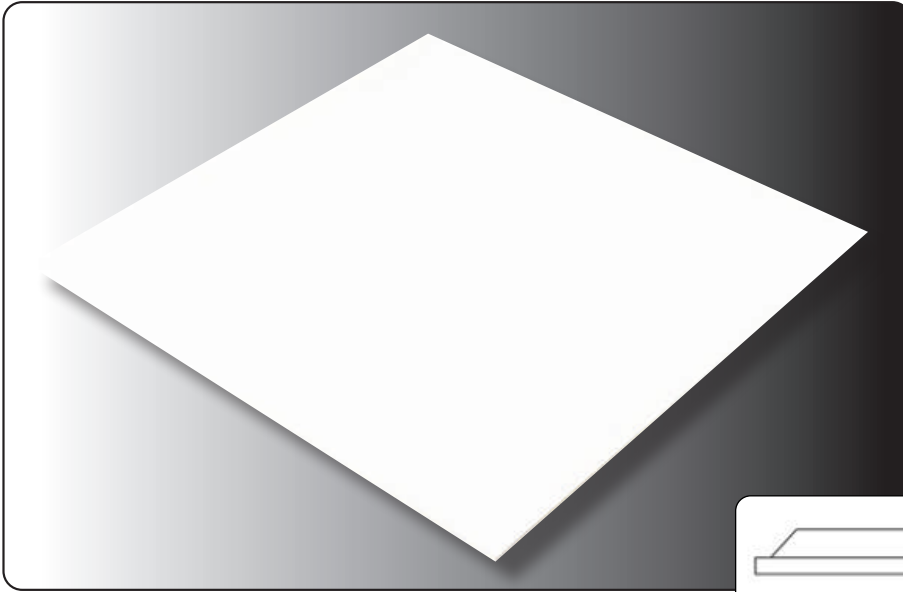


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**IP20 LED Ceiling Panel**

*LED Ceiling Panel*

- ✓ 36W back lit Ceiling Panel
- ✓ To fit 600 x 600mm ceiling grids
- ✓ Conforms to BS EN 60598



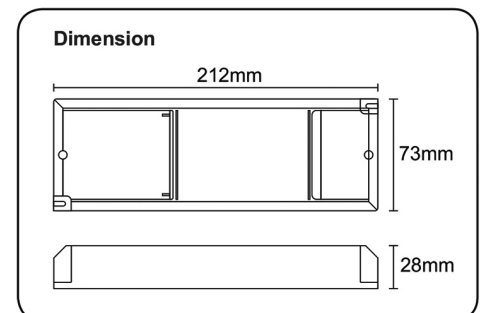
	LEDPAN1N
<b>Description</b>	36W LED Ceiling Panel
<b>Barcode</b>	5012739651366
<b>Wattage</b>	36W
<b>Power Rating</b>	220V/240V AC ~50Hz
<b>Colour Temp</b>	4,000K
<b>Class Type</b>	II
<b>IP Rating</b>	IP20
<b>Lumens</b>	3600 Lumens / 100 lm/W
<b>Driver</b>	LF-GIR040YM 0900H
<b>Operating Temp Range</b>	-10°C - +40°C
<b>Beam Angle</b>	120°
<b>Main Housing</b>	0.3mm Metal Housing
<b>Material</b>	PMMA Lens & Polystyrene Diffuser
<b>Finish</b>	White / RAL 9016
<b>Product Weight</b>	1496g
<b>Dimensions</b>	595 x 595 x 25mm
<b>Guarantee</b>	3 Years
<b>Conforms To</b>	BS EN 60598

*Remote Emergency Pack*

- ✓ LED emergency converter to transfer LED fitting into emergency version
- ✓ For use with GreenBrook LED panel - LEDPAN1N
- ✓ Lithium iron phosphate battery
- ✓ Test switch & charge indicator



**LEDPEP  
Remote  
Emergency Pack  
for LED Ceiling Panel**



## LED Anti Corrosive Fittings

- ✓ Polycarbonate frosted diffuser, Polycarbonate base, metal gear tray
- ✓ Single & Twin fittings in 2 lengths
- ✓ Available in Emergency Fittings
- ✓ Fitting includes LED driver
- ✓ Tamper proof screws
- ✓ Metal latching clips for diffuser

*Emergency Fittings Available*



	ACPLEDS5	ACPLEDT5	ACPLEDS6	ACPLEDT6	ACPLEDS5EM Emergency	ACPLEDT5EM Emergency	ACPLEDS6EM Emergency	ACPLEDT6EM Emergency
<b>Power Rating</b>	220V-240V AC ~50Hz							
<b>Barcode</b>	5012739 648427	5012739 648434	5012739 648441	5012739 648458	5012739 648465	5012739 648472	5012739 648489	5012739 648496
<b>Wattage</b>	30W	60W	40W	80W	30W	60W	40W	80W
<b>Length</b>	5ft		6ft		5ft		6ft	
<b>Power Rating</b>	230V AC ~ 50Hz							
<b>Lumens Output</b>	3300	6600	4400	8800	3300	6600	4400	8800
<b>No of Clips</b>	12							
<b>Class</b>	Class 1							
<b>IP Rating</b>	IP65							
<b>Beam Angle</b>	120°							
<b>Operating Range</b>	-20°C - +40°C							
<b>Main Housing</b>	Polycarbonate frosted diffuser, Polycarbonate base							
<b>Dimensions</b>	L1532 x W85 x H78	L1532 x W104 x H78	L1794 x W85 x H78	L1794 x W104 x H78	L1532 x W85 x H78	L1532 x W104 x H78	L1794 x W85 x H78	L1794 x W104 x H78
<b>Fixing Centres</b>	950mm		1000mm		950mm		1000mm	
<b>Colour Temperature</b>	5,000K							
<b>SDCM</b>	<6							
<b>Battery Type</b>	n/a				Ni-Cd 6V, 2Ah			
<b>Ballast Type</b>	LED driver							
<b>Knock-out Size</b>	20mm							
<b>No of Knock-outs</b>	6	6	8	8	6	6	8	8
<b>CRI</b>	>80							
<b>Power Factor</b>	>0.9							
<b>Life Expectancy</b>	30,000 hrs							
<b>Guarantee</b>	3 Years							
<b>Conforms To</b>	EN60598-1 & BSEN60598-2-1							

**IP65 LED Circular Bulkheads**



- ✓ Opal Polycarbonate diffuser
- ✓ Supplied with Matt Black narrow bezel
- ✓ Conduit entry points for through wiring
- ✓ Additional bezels are available in Matt Black complete with tamper-proof screws or a Gloss White clip on bezel
- ✓ Range consists of Standard / Emergency / Microwave Presence Detector / Emergency with Microwave Presence Detector



**Shown with White Gloss White  
Clip on Bezel**

**NV14WT - 330mm dia x 90mm high  
NV22WT - 405mm dia x 90.2mm high**



**Shown with Matt Black  
Tamper-proof Screws Bezel**

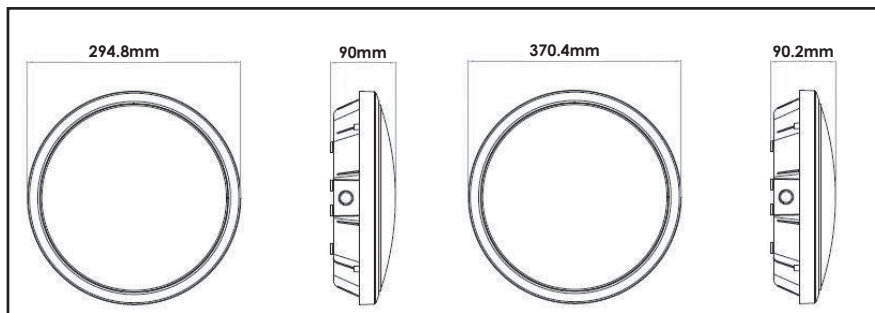
**NV14BT - 320mm dia x 90mm high  
NV22BT - 395mm dia x 90.2mm high**

	<b>NV14 Standard</b>	<b>NV22 Standard</b>	<b>NV14M Microwave Presence Detector</b>	<b>NV22M Microwave Presence Detector</b>
<b>Wattage</b>	12W	21W	13W	22W
<b>Barcode</b>	5012739650956	5012739651014	5012739650970	5012739651038
<b>Power Rating</b>	230V AC ~50Hz		230V AC ~50Hz	
<b>Class</b>	Class II		Class II	
<b>Running Current</b>	300mA	500mA	302mA	502mA
<b>Lumen Output (Lm)</b>	1100	2200	1100	2200
<b>Lumens per Watt</b>	92	105	85	102
<b>IP Rating</b>	IP65		IP65	
<b>Power Factor</b>	>0.5	>0.9	>0.5	>0.9
<b>CRI</b>	>80		>80	
<b>Life Expectancy</b>	50,000 hrs		50,000 hrs	
<b>SDCM*</b>	<6		<6	
<b>Beam Angle</b>	120°		120°	
<b>Colour Temperature</b>	4,000K		4,000K	
<b>Operating Temperature</b>	-10°C to +40°C		-10°C to +40°C	
<b>Detection Range</b>	-	-	Maximum - 10M dia x 6 Metres high	
<b>Lux Level</b>	-	-	2,10,50 Lux or disable	
<b>Installation Height</b>	-	-	6 Metres	
<b>Time Delay</b>	-	-	5 Secs, 90 Secs, 5 Mins, 15 Mins	
<b>Microwave Sensor</b>	-	-	Ultrasonic	
<b>Weight</b>	832g	1325g	825.5g	1375g
<b>Dimensions</b>	294.8mm Diameter X 90mm high	370.4mm Diameter X 90.2mm high	294.8mm Diameter X 90mm high	370.4mm Diameter X 90.2mm high
<b>Guarantee</b>	3 Years		3 Years	
<b>Conforms To</b>	BS EN60598-1		BS EN60598-1	

## IP65 LED Circular Bulkheads - Emergency

- ✓ Opal Polycarbonate diffuser
- ✓ Supplied with Matt Black narrow bezel
- ✓ Conduit entry points for through wiring
- ✓ Additional bezels are available in Matt Black complete with tamper-proof screws or a Gloss White clip on bezel
- ✓ Range consists of Standard / Emergency / Microwave Presence Detector / Emergency with Microwave Presence Detector

*One Fitting - three options...  
(When you buy the extra bezels)*



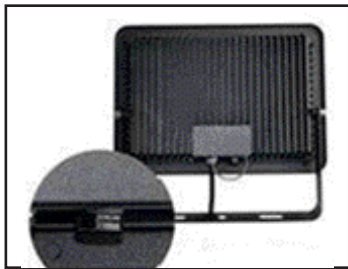
	NV14EM Emergency	NV22EM Emergency	NV14EMM Emergency & Microwave Presence Detectors	NV22EMM Emergency & Microwave Presence Detectors
<b>Wattage</b>	14W	23W	15W	24W
<b>Barcode</b>	5012739650963	5012739651021	5012739650987	5012739651045
<b>Power Rating</b>	230V AC ~50Hz		230V AC ~50Hz	
<b>Class</b>	Class II		Class II	
<b>Running Current</b>	470mA	670mA	472mA	672mA
<b>Lumen Output (Lm)</b>	1100	2200	1100	2200
<b>Lumens per Watt</b>	79	96	73	94
<b>IP Rating</b>	IP65			
<b>Power Factor</b>	>0.5	>0.9	>0.5	>0.9
<b>CRI</b>	>80			
<b>Life Expectancy</b>	50,000 hrs			
<b>SDCM*</b>	<6			
<b>Beam Angle</b>	120°			
<b>Colour Temperature</b>	4,000K			
<b>Operating Temperature</b>	-10°C to +40°C			
<b>Detection Range</b>	-	-	Maximum - 10M dia x 6 Metres high	
<b>Lux Level</b>	-	-	2,10,50 Lux or disable	
<b>Installation Height</b>	-	-	6 Metres	
<b>Time Delay</b>	-	-	5 Secs, 90 Secs, 5 Mins, 15 Mins	
<b>Microwave Sensor</b>	-	-	Ultrank	
<b>Battery</b>	Ni-Cd 3.6V, 2,000mAh			
<b>Emergency Operation</b>	Greater than 3 hours			
<b>Mode of Operation</b>	Maintained			
<b>Weight</b>	977g	1541g	1025g	1614g
<b>Dimensions</b>	294.8mm Diameter X 90mm high	370.4mm Diameter X 90.2mm high	294.8mm Diameter X 90mm high	370.4mm Diameter X 90.2mm high
<b>Guarantee</b>	3 Years			
<b>Conforms To</b>	BS EN60598-1			

**LED Slimline Floodlights**

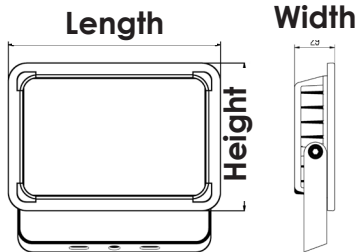
- ✓ IP65
- ✓ Slimline design
- ✓ Die-casting aluminium and tempered glass
- ✓ Lower energy alternative
- ✓ 7 wattage options available in 2 colour temperatures
- ✓ 8 PIR options available
- ✓ 2 Year Guarantee



150W



Breather valve to avoid condensation



10W

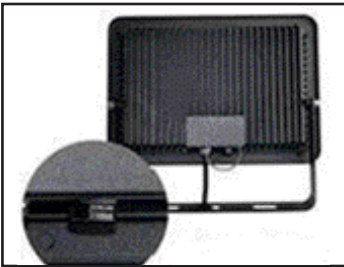


30W

	LEDFL10BWW	LEDFL10B	LEDFL20BWW	LEDFL20B	LEDFL30BWW	LEDFL30B	LEDFL50BWW	LEDFL50B	LEDFL100BWW	LEDFL100B	LEDFL150BWW	LEDFL150B	LEDFL200BWW	LEDFL200B
LED Power Consumption	10W		20W		30W		50W		100W		150W		200W	
Barcode	5012739 647628	5012739 647383	5012739 647635	5012739 647390	5012739 647642	5012739 647406	5012739 647659	5012739 647413	5012739 647666	5012739 647420	5012739 647673	5012739 647437	5012739 647680	5012739 647444
Colour	Black													
Power Rating	200-240V AC ~50Hz													
Colour Temp	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K
Class	1													
IP Rating	IP65													
Switch Cycle	100,000													
Temp Range	-20°C - +45°C													
Lead length	0.9 Metre													
Total Lumens	900 (90 lm/W)		1800 (90 lm/W)		2700 (90 lm/W)		4500 (90 lm/W)		8000 (80 lm/W)		12,000 (80 lm/W)		16,000 (80 lm/W)	
Beam Angle	120°													
Product Weight	274g		411.5g		591.5g		1027g		1997g		3137g		4522.5g	
Dimensions L x H x W	115 x 80 x 25mm		150 x 104 x 29mm		180 x 125 x 32mm		233 x 160 x 40mm		318 x 227 x 53mm		380 x 266 x 55mm		460 x 321 x 55mm	
Life Span	35,000hrs													
Guarantee	2 Years													
Conforms To	BS EN 60598-2-5													

## LED Slimline Floodlights with PIR

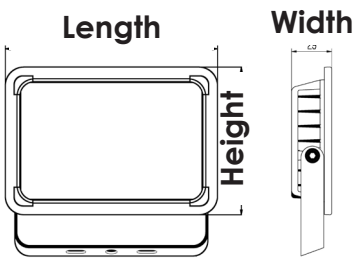
- ✓ IP65 \*
- ✓ Slimline design
- ✓ Manual override
- ✓ Die-casting aluminium and tempered glass
- ✓ Lower energy alternative
- ✓ 4 PIR options available in Cool White or Warm White
- ✓ 2 Year Guarantee



Breather valve to avoid condensation



\* Fitting IP65 - PIR IP44



LEDFLPIR10BWW	LEDFLPIR10B	LEDFLPIR20BWW	LEDFLPIR20B	LEDFLPIR30BWW	LEDFLPIR30B	LEDFLPIR50BWW	LEDFLPIR50B
---------------	-------------	---------------	-------------	---------------	-------------	---------------	-------------

LED Power Consumption	10W		20W		30W		50W	
Barcode	5012739 647697	5012739 647451	5012739 647703	5012739 647468	5012739 647710	5012739 647475	5012739 647727	5012739 647482
Colour	Black							
Power Rating	200-240V AC ~50Hz							
Colour Temp	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K	3,000K	6,500K
Class	1							
IP Rating	IP65 (PIR IP44)							
Switch Cycle	100,000							
Temp Range	-20°C - +45°C							
Lead length	0.9 Metre							
Total Lumens	900 (90 lm/W)		1800 (90 lm/W)		2700 (90 lm/W)		4500 (90 lm/W)	
Beam Angle	120°							
Detection Distance	2 to 10 metres							
Time Delay	5 secs to 6 mins							
Mount Height	1.8 to 2.5 metres							
Product Weight	325.5g		456.5g		637g		1064g	
Dimensions L x H x W	115 x 80 x 54mm		150 x 104 x 54mm		180 x 125 x 54mm		233 x 160 x 55mm	
Life Span	35,000hrs							
Guarantee	2 Years							
Conforms To	BS EN 60598-2-5							

**Portable Lights**

**LED Portable Floodlights - Re-chargeable**

- ✓ IP65
- ✓ 2 Hours running time
- ✓ Insulated handle grip
- ✓ Fully adjustable frame
- ✓ Floodlight tilts up & down on the stand
- ✓ Complete with mains charger & Car Charger



	LPFL10	LPFL30	LPFL50
<b>Description</b>	Portable Floodlight		
<b>Barcode</b>	5012739 653773	5012739 653797	5012739 653803
<b>Wattage</b>	10W	30W	50W
<b>IP rating</b>	IP65		
<b>Input Voltage</b>	DC4.2V	DC8.4V	DC12.6V
<b>Mains Charger Input Output</b>	100V - 240V DC4.2V	100V - 240V DC8.4V	100V - 240V DC12.6V
<b>Frequency</b>	50~60Hz		
<b>Current Output</b>	1A		
<b>Car Charger Input Output</b>	DC12/24V DC4.2V	DC12/24V DC8.4V	DC12/24V DC12.6V
<b>Operating Temp</b>	-20° to +40°C		
<b>Beam Angle</b>	120°		
<b>Battery Type</b>	18650 Lithium 2,200mAh	18650 Lithium 5,200mAh	18650 Lithium 7,800mAh
<b>Colour Temp</b>	6,000K		
<b>Lumen Output</b>	400	1200	2000
<b>Charging Time</b>	3 - 4 hours		
<b>Running Time</b>	2 Hours		
<b>CRI</b>	>80		
<b>Housing Material</b>	Aluminium Die-Casting Body with Tempered Glass		
<b>Product Weight</b>	83g	138g	184g
<b>Guarantee</b>	3 Years		
<b>Conforms To</b>	BS EN 60598		



5 Year  
Guarantee

# WORK / SITE LIGHTS

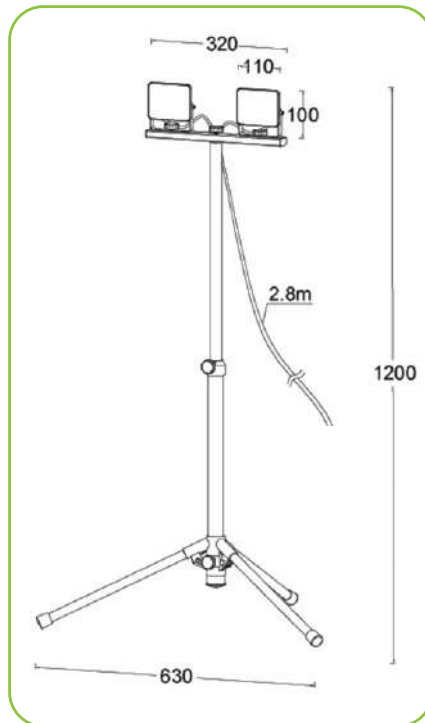
**GREEN  
BROOK**

## IP65 Tripods

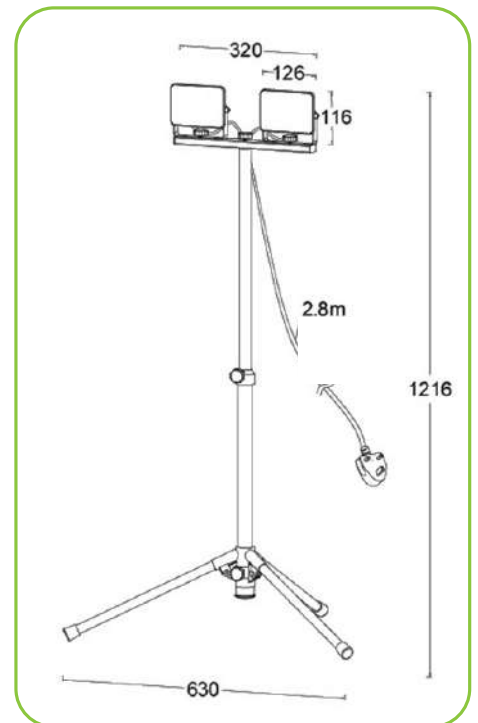
- ✓ 2 x 10W & 2 x 20W available
- ✓ Heavy Duty Aluminium body with tempered glass diffuser
- ✓ 240V and 110V options available



**LEDAF39**  
IP65 Tripod -  
2 x 10W



10W Models



20W Models

	LEDAF39	LEDAF40
<b>Description</b>	IP65 Tripods	
<b>Barcode</b>	5012739 653728	5012739 653735
<b>Wattage</b>	2 x 10W	2 x 20W
<b>IP rating</b>	IP65	
<b>Input Voltage</b>	230V - 240V ~ 50Hz	
<b>Class Type</b>	I	
<b>Colour Temp</b>	5,000K	
<b>Lumen Output</b>	1600	3200
<b>CRI</b>	>80	
<b>Housing Material</b>	Heavy Duty Aluminium Body with Tempered Glass Diffuser	
<b>Conforms To</b>	BS EN 60598	

**LEDAF40**  
IP65 Tripod -  
2 x 20W

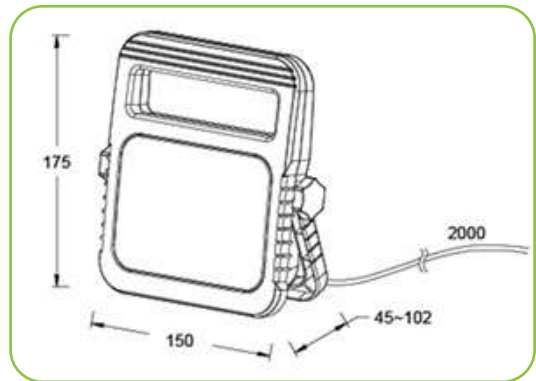


the **LIA**  
MEMBER

**IP54 Portable Work Light - 11W**

- ✓ 110V
- ✓ 1040 Lumens
- ✓ 5,000K
- ✓ ABS & Polycarbonate body with clear diffuser

TECHNICAL INFORMATION	
Voltage	110V ~ 50/60Hz
Wattage	11W
Lumens	1040
IP Rating	IP54
Colour Temperature	5,000K
Lamp Type	LED
Class Type	I
No of LED's	8
CRI	>80
Housing	ABS & Polycarbonate Body with Clear Polycarbonate Diffuser
Conforms to	BS EN 60598



**LEDAF41**  
11W Portable  
Work Light - IP54



## IP65 Rectangular Bulkheads

- ✓ IP65
- ✓ LED options available
- ✓ Suitable for wall or ceiling mounting

*Suitable for wall or ceiling mounting*

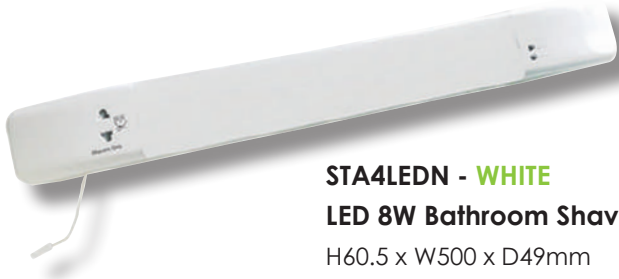


	LEDPOLYO	LEDPOLYP	POLY	POLYP	POLYR
<b>Product Finish</b>	Polycarbonate				
<b>Description</b>	LED Rectangular Bulkhead		Rectangular Bulkhead		
<b>Voltage</b>	230V AC ~ 50Hz				
<b>Product Dimensions</b>	H97 x W245 x D125mm	H128 x W244 x D125mm	H130 x W240 x D100mm	H120 x W240 x D130mm	H130 x W240 x D100mm
<b>Product Weight</b>	567g	638g	481g	468g	477.5g
<b>Barcode</b>	5012739 641459	5012739 628467	5012739 609107	5012739 609114	5012739 609121
<b>IP Rating</b>	IP65				
<b>Lamp Type</b>	LED		B22 GLS (Lamp not supplied)		
<b>Max Wattage</b>	6W		100W		
<b>Lumens</b>	353 lm, 59 lm/W	420 lm, 70 lm/W	-		
<b>Colour Temperature</b>	4,000K		-		
<b>Class</b>	I		I	II	I
<b>F Marked</b>	Suitable for installation onto flammable surfaces		-		
<b>Main Housing Material</b>	Polycarbonate Base with Opal Diffuser	Polycarbonate Base with Clear Diffuser	Non-corrosive Clear diffuser with Aluminium base	Clear diffuser with Black polycarbonate base	Non-Corrosive Red diffuser with Aluminium base
<b>Guarantee</b>	3 Years		1 Year		
<b>Certification &amp; Conformity</b>	EN 60598-2-1				

# IP20 BATHROOM SHAVER LIGHT

The GreenBrook Shaver-light range offers a choice of LED versions in White and Chrome and two White fittings (A4NNL / STA4NL) supplied without lamps.

- ✓ **Dual voltage**
- ✓ **Shaver socket continuously live**
- ✓ **Pull switch operated light**
- ✓ **A4NNL and STA4NL supplied without lamps - can take 60W max LED or incandescent lamp**



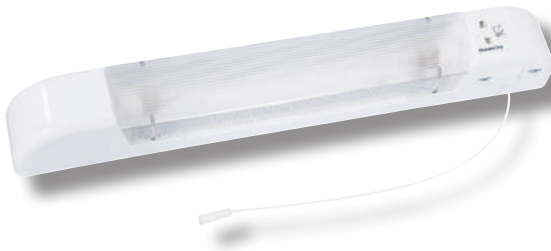
**STA4LEDN - WHITE**  
**LED 8W Bathroom Shaver Light**  
 H60.5 x W500 x D49mm  
 3 Year Guarantee



**STA4LEDCHN - CHROME**  
**LED 8W Bathroom Shaver Light**  
 H60.5 x W500 x D49mm  
 3 Year Guarantee



**A4NNL - WHITE**  
**Shaver Light (Supplied without Lamp)**  
 H59 x W481 x D71mm  
 1 Year Guarantee



**STA4NL - WHITE**  
**Shaver Light (Supplied without Lamp)**  
 H60 x W495 x D70mm  
 1 Year Guarantee

	A4NNL	STA4NL	STA4LEDN	STA4LEDCHN
--	-------	--------	----------	------------

Product Finish	White		White	Chrome
Description	Shaver Light (Supplied without Lamps)		LED Shaver Light	
Voltage	230V AC ~ 50Hz			
Product Dimensions	H59 x W481 x D71mm	H60 x W495 x D70mm	H60.5 x W500 x D49mm	
Product Weight	993gms	995gms	200gms	
Barcode	5012739 645457	5012739 645440	5012739 644290	5012739 644306
IP Rating	IP20			
Lamp Type	60W Max, LED or incandescent (284mm S15 double cap)		LED Array	
Rated Voltage	230V AC ~ 50Hz			
Socket Voltage	115V AC / 230V AC			
Max Wattage	60W Max		8W	
Lumens Output	-		480	
Class	Class I construction			
F Marked	Suitable for installation on to normal flammable surfaces			
Main housing material	Polycarbonate base and Polycarbonate diffuser			
Guarantee	1 Year		3 Years	
Certification & Conformity	EN 60598-2-1			



## IP44 7W LED Porch Lanterns

These traditional 3 and 6 sided outdoor porch lanterns are ideal for entrance ways, porches, gardens and passage way. Available in Black finish with and without PIR.

- ✓ Low energy alternative to standard wall lanterns
- ✓ Instant illumination
- ✓ Rust proof rugged polycarbonate
- ✓ Available with or without PIR
- ✓ Traditional design
- ✓ 3 Year Guarantee

*Available with  
& without PIR*



	PLLED3BN	PLLED3PIRBN PIR Version	PLLED6BN	PLLED6PIRBN PIR Version
<b>Description</b>	Black Porch Lantern	Black Porch Lantern with PIR	Black Porch Lantern	Black Porch Lantern with PIR
<b>Voltage</b>	230V AC ~ 50Hz			
<b>PIR Specification</b>	-	PIR Detection Angle: 120° Detection Motion Speed: 0.6 - 1.5m/s Detection Distance: 8M±2M Duration Time: 40 secs	-	PIR Detection Angle: 120° Detection Motion Speed: 0.6 Detection Distance: 8M±2M Duration Time: Adj 5 secs to 6 mins
<b>Barcode</b>	5012739 645426	5012739 645433	5012739 645402	5012739 645419
<b>Product Weight</b>	0.65kg	0.70kg	0.60kg	0.65kg
<b>Product Dimensions</b>	H362 x W175 x D100mm		H370 x W205 x D210mm	
<b>Product Finish</b>	Polycarbonate Black base & Clear diffuser		Polycarbonate Black base & Poly methyl methacrylate diffuser	
<b>Beam Angle</b>	120°		360°	
<b>IP Rating</b>	IP44			
<b>Lamp Type</b>	LED non replaceable			
<b>Max Wattage</b>	7W			
<b>Lumens</b>	550			
<b>Colour Temperature</b>	4000K			
<b>Class</b>	II			
<b>F Marked</b>	Suitable for installation on to normal flammable surfaces			
<b>Life Span</b>	30,000hrs			
<b>Guarantee</b>	3 Years			
<b>Certification &amp; Conformity</b>	EN 60598-2-1			

*Low Energy -  
alternative to standard wall lanterns*



## **PHOENIX RANGE - Emergency Lighting**

Every building has a specific requirement for emergency lighting, the role of which is to take over from the normal lighting provision in the event of a power failure; but the responsibilities are now much more clearly defined.

It is now considered that Emergency Lighting is a primary factor in the fire safety and should enable occupants to immediately locate fire-fighting equipment and alarms, as well as exits. Emergency lighting installations are also examined as part of a building's overall fire precautions risk assessment.

BS5266 Emergency Lighting Part 1: Code of practise for the emergency lighting of premises: this standard determines the way Designers and Facilities managers approach emergency lighting ensuring the positioning of emergency lighting is uniform and consistently applied to premises.

### **Emergency escape lighting should illuminate the following -**

- Each exit door - when the exit route or final exit is not readily identifiable or familiar to the occupants, signs should be used with a pictogram of the person moving towards the doorway, rather than just a lighting unit.
- Escape Routes
- Intersection of corridors
- Outside each final exit and on external escape routes
- Emergency escape signs
- Stairways, ensuring each flight receives adequate light
- Changes in floor level
- Install in all toilets exceeding 8m<sup>2</sup> area or where natural light is not present
- Fire-fighting equipment
- Equipment that would need to be shut down in an emergency or a high risk task area
- Lifts
- Open Area in premises greater than 60m<sup>2</sup> or with an escape route passing through

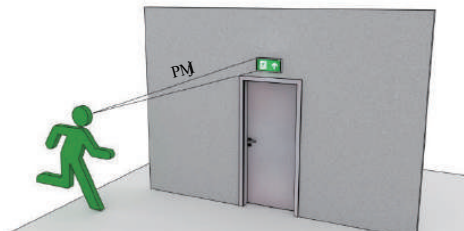
GreenBrook offer a selection of maintained (on constantly) and non-maintained (only operated during power failure) products. All GreenBrook products are tested to the latest British Standard with full test certificates, photometric data and Lighting level check schemes available on request,

**IP20 3W LED Emergency Exit Sign**

- ✓ Maintained
- ✓ Wall/Ceiling Exit Sign
- ✓ Separate kits available for recessed, suspended and flag mounting
- ✓ Viewing distance 30m
- ✓ LED Indicator
- ✓ Supplied with arrow up legend
- ✓ Other options available - Self test
- ✓ Emergency operation duration 3 hours



**Viewing Distance**



**Legends**



**RAZLEGLR**  
Reversible Left & Right Arrow Legend



**RAZLEGDOWN**  
Down Arrow Legend

	<b>RAZEMEXITSGNUP</b>
<b>Description</b>	LED Exit Sign supplied with 'Up' legend
<b>Barcode</b>	5012739 654770
<b>Voltage</b>	220-240V ~ 50.60Hz
<b>Emergency Power</b>	3W
<b>Emergency Lumens</b>	22.84 lumens
<b>IP Rating</b>	IP20
<b>Viewing Distance</b>	30m
<b>Emergency Duration</b>	3 Hours
<b>Colour Temperature</b>	6500K
<b>Ambient Temperature</b>	5°C - 45°C
<b>Function</b>	Maintained
<b>Battery Type</b>	LiFePO4 3.2V 1.1Ah
<b>Dimensions (mm)</b>	L313 x W212 x D42mm
<b>Beam Angle</b>	235°
<b>Mounting Type</b>	Ceiling / Recessed / Suspended Flag / Wall mounting
<b>Material</b>	Polycarbonate
<b>RAL Colour</b>	RAL 9003
<b>Product Weight</b>	512g
<b>Guarantee</b>	3 years
<b>Conforms to</b>	BS EN60598-2-22:2014+A1 BS EN IEC 60598-1:2021 BS EN 62471:2008 BS EN 62493:2015

	<b>RAZSUSPKIT</b>	<b>RAZRECKIT</b>	<b>RAZFLAGMNTKIT</b>
<b>Description</b>	Suspension Mounting Kit	Recess Mounting Kit	Flag Mounting Kit
<b>Barcode</b>	5012739654800	5012739654794	5012739654787
<b>Material</b>	Polycarbonate		
<b>RAL Colour</b>	RAL 9003		
<b>Product Weight</b>	212g	204g	130g
<b>Guarantee</b>	3 years		
<b>Conforms to</b>	BS EN60598-2-22:2014+A1, BS EN IEC 60598-1:2021, BS EN 62471:2008, BS EN 62493:2015		



**IP20 3W LED Emergency Exit Sign**  
- Mounting Kit Options



Suspended

**RAZSUSPKIT**



Recessed

**RAZRECKIT**



Flag

**RAZFLAGMNTKIT**

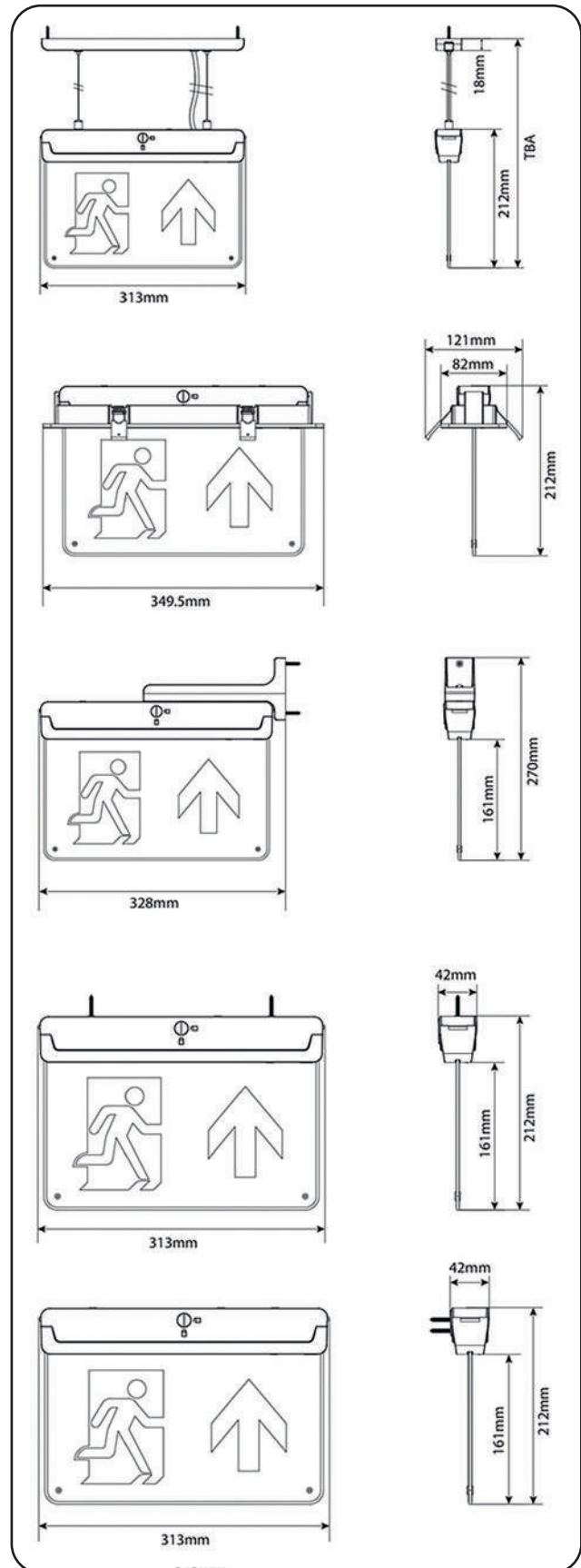


Ceiling

**RAZEMEXITSGNUP**



Wall



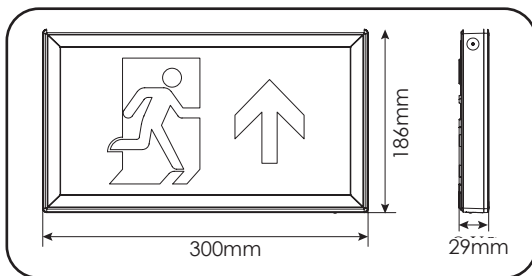
**IP20 4W LED Emergency Exit Box**

- ✓ Maintained
- ✓ Ultra slim modern design
- ✓ With angle adjustable down light
- ✓ Facility for remote switching
- ✓ Supplied with arrow up legend
- ✓ Other options available - Self test & Black frame
- ✓ Emergency operation duration 3 hours
- ✓ Emergency operation selectable duration 1H/3H/8H

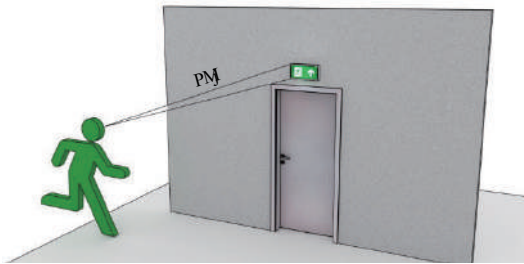


**CLIFFEXITBOXUP**

**Dimensions**



**Viewing Distance**



**Legends**



**CLIFFLEGDOWN**  
Down Arrow Legend



**CLIFFLEGLEFT**  
Left Arrow Legend



**CLIFFLEGRIGHT**  
Right Arrow Legend

	CLIFFEXITBOXUP
<b>Description</b>	LED Exit Box supplied with 'Up' legend
<b>Barcode</b>	50127396654831
<b>Voltage</b>	220-240V~ 50.60Hz
<b>Emergency Power</b>	<4W
<b>Luminaire Lumens &amp; Emergency Lumens</b>	10 lumens (legend) 80 lumens (downward light)
<b>Emergency Duration</b>	3 Hours
<b>IP Rating</b>	IP20
<b>Viewing Distance</b>	30m
<b>Class Type</b>	II
<b>Colour Temperature</b>	6500K
<b>Ambient Temperature</b>	5°C - 45°C
<b>Function</b>	Maintained
<b>Battery Type</b>	LiFePO4 3.2V 1.5Ah
<b>Dimensions (mm)</b>	L330 x W186 x D29mm
<b>Beam Angle</b>	103°
<b>Mounting Type</b>	Wall Mounting
<b>Material</b>	Polycarbonate
<b>RAL Colour</b>	RAL 9003
<b>Product Weight</b>	760g
<b>Guarantee</b>	3 years
<b>Conforms to</b>	BS EN 60598-2-22: 2014 + A1, BS EN IEC 60598-1:2021, BS EN 62471:2008, BS EN 62493:2015



## IP20 3.8W LED Emergency Exit Box

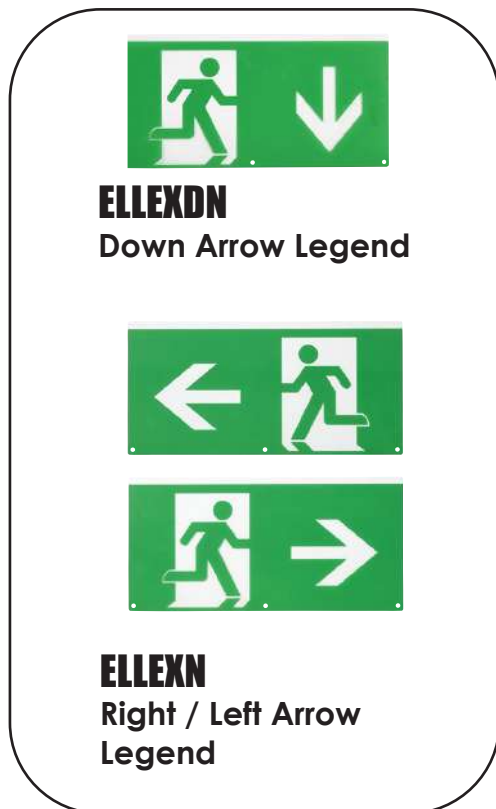
- ✓ Facility for remote switching
- ✓ Supplied with Arrow Up Legend
- ✓ Emergency operation duration 3 hours
- ✓ 3 Year Guarantee

**Non-Maintained /  
Maintained**



**ELLEDEXIT**  
Emergency Exit Sign

Maintained / Non-Maintained



### ELLEDEXIT

	ELLEDEXIT
<b>Description</b>	led Exit Sign supplied with 'Up' legend
<b>Barcode</b>	5012739645471
<b>Voltage</b>	230V / 240V ~ 50/60Hz
<b>Emergency Power</b>	3.8W
<b>Luminaire Lumens &amp; Emergency Lumens</b>	25 lumens (legend) 15 lumens (downward light)
<b>Emergency Duration</b>	3 Hours
<b>Power Factor</b>	0.35
<b>IP Rating</b>	IP20
<b>Class Type</b>	I
<b>Colour Temperature</b>	6500K
<b>Ambient Temperature</b>	0°C - 40°C
<b>Function</b>	Maintained / Non-Maintained
<b>Battery Type</b>	Li-FePO4 18650 / 3.2V / 1500mAh
<b>Dimensions (mm)</b>	H190 x W390 x D60mm
<b>Beam Angle</b>	120°
<b>Mounting Type</b>	Wall surface Mounting
<b>Material</b>	Polycarbonate
<b>RAL Colour</b>	RAL 9003
<b>Product Weight</b>	1265g
<b>Guarantee</b>	3 Years
<b>Certification &amp; Conformity</b>	BS EN60598-2-22

\* Products may differ slightly from those shown



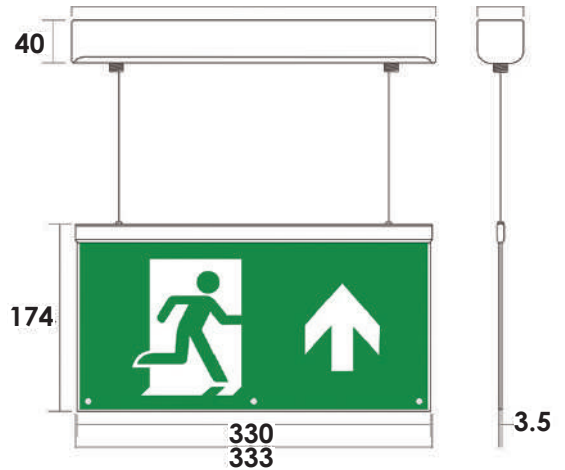
**IP20 LED Emergency Hanging Sign**

- ✓ Double sided, edge lit, acrylic blade
- ✓ Legends interchangeable
- ✓ LED status indicator
- ✓ Slim profile
- ✓ Ceiling mount included
- ✓ Adjustable hanging height
- ✓ Emergency operation duration 3 hours



**ELLEDH1**  
**Emergency Hanging Sign**  
Maintained 2W

**Non-Maintained /  
Maintained**



**Additional Legends**



**ELLEDHDN**  
**Down Arrow**



**ELLEDHR**  
**Right Arrow**



**ELLEDHL**  
**Left Arrow**

ELLEDH1	
<b>Description</b>	Emergency Hanging Sign
<b>Wattage</b>	Maintained 2W
<b>Product Weight</b>	533g
<b>Barcode</b>	5012739 645464
<b>IP Rating</b>	IP20
<b>Lamp Type</b>	LED Non-replaceable
<b>Class Type</b>	Class I
<b>Operating Temp Range</b>	0°C - 40°C
<b>Colour Temp</b>	6500K
<b>Lumen Output</b>	Battery (Emergency Mode) 22 lm
<b>Viewing Distance</b>	24 metres
<b>Battery Type</b>	Ni-Cd 3.6V / 800mAh
<b>Voltage</b>	230V / 240V AC ~ 50Hz
<b>Battery Life at 20°C</b>	>4 Year
<b>Guarantee</b>	3 Years
<b>Certification &amp; Conformity</b>	BS EN60598-2-22:2014+A1 BS EN IEC 60598-1:2021 BS EN 62471:2008 BS EN 62493:2015



theLIA  
MEMBER

\* Products may differ slightly from those shown

## IP20 1.2W LED Emergency Downlight

- ✓ Non Maintained
- ✓ White bezel
- ✓ Supplied with two interchangeable lenses (open area & corridor)
- ✓ Driver & battery housing foldable for shallow ceiling voids
- ✓ Status indicator built in
- ✓ Other options available - Self test
- ✓ Emergency operation duration 3 hours



**SPOTEMDL1W**

	SPOTEMDL1W
<b>Description</b>	LED Emergency Downlight
<b>Barcode</b>	5012739654893
<b>Voltage</b>	220-240V ~ 50.60Hz
<b>Emergency Power</b>	1.2W (charging power) 0.4W (charging power with full battery) 1W (Emergency mode)
<b>Emergency Lumens</b>	120 lumens (open area lens) 130 lumens (corridor lens)
<b>IP Rating</b>	IP20
<b>Emergency Duration</b>	3 Hours
<b>Colour Temperature</b>	6500K
<b>Ambient Temperature</b>	5°C - 45°C
<b>Function</b>	Non-Maintained
<b>Battery Type</b>	LiFePO4 3.2V 1.5Ah
<b>Beam Angle</b>	Open Area - 165° Corridor - 160 x 50°
<b>Dimensions</b>	Lamp Head: Ø50 x 21mm Cut out: Ø43 -44mm Converter: 250 x 27 x 36mm
<b>Mounting Type</b>	Recessed mounted
<b>Material</b>	Polycarbonate
<b>RAL Colour</b>	RAL 9003
<b>Product Weight</b>	180g
<b>Guarantee</b>	3 Years
<b>Conforms to</b>	EN 60598-1:2015+A1:2018, BS EN 60598-1:2015+A1:2018, EN 60598-2-2:2012, BS EN 60598-2-2:2012, EN 60598-2-22:2014+A1:2020, BS EN 60598-2-22:2014+A1:2020, EN 62493:2015, BS EN 62493:2015



**Open Area Lens**

**Open Area Spacing Data (1 Lux)**

Mounting Height (m)					
2.50	2.27	6.64	6.55	6.66	2.33
3.00	2.11	6.64	6.56	6.67	2.16

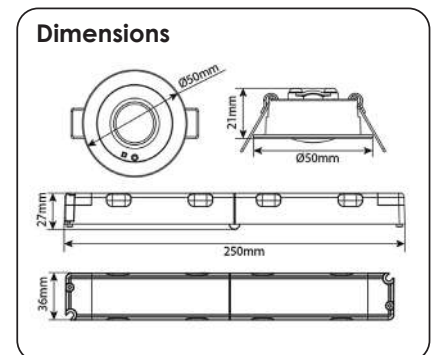


**Corridor Lens**

**Corridor Spacing Data (1 Lux)**

Mounting Height (m)					
2.50	6.22	16.80	10.46	4.65	1.53
3.00	5.08	17.17	9.87	4.49	1.40

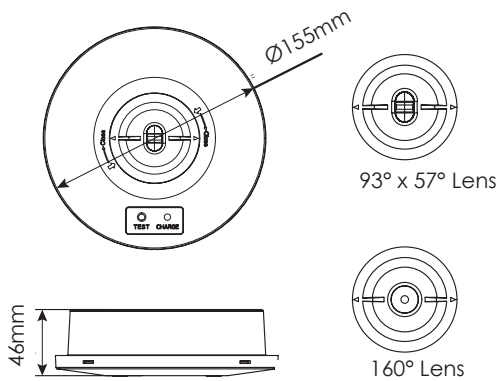
Spacing Table Information	
	Wall to light (Transverse)
	Light to light (Transverse)
	Light to light (Transverse to Axial)
	Light to light (Axial to Axial)
	Light to Wall (Axial)



**LED IP65 Emergency Escape Downlight**

- ✓ For use in Escape areas
- ✓ Supplied with two interchangeable lenses (open area & corridor)
- ✓ Available in Round & Square fittings
- ✓ 20mm conduit entry points
- ✓ Other options available - Self test & Black finish
- ✓ Emergency operation duration 3 hours

**Non-Maintained**



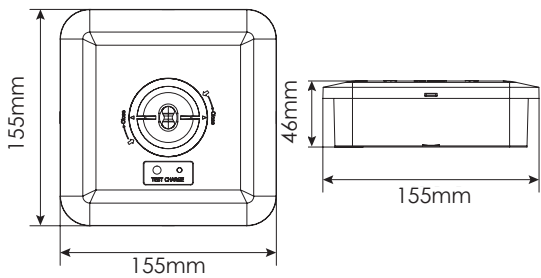
	GBSR2NMWH	GBSS2NMWH
<b>Description</b>	Round	Square
<b>Barcode</b>	5012739 654947	5012739 654954
<b>Voltage</b>	220 - 240V / 50/60Hz	
<b>Emergency Power</b>	2W	
<b>Lumen</b>	Open area - 280lm Corridor - 230lm	
<b>IP Rating</b>	IP65	
<b>Class Type</b>	II	
<b>Emergency Duration</b>	3 Hours	
<b>Colour Temperature</b>	6500K	
<b>Ambient Temperature</b>	5 - 40°C	
<b>Function</b>	Non-Maintained	
<b>Battery Type</b>	LiFePO4 3.2V 3.0Ah	
<b>Beam Angle</b>	Open Area Lens - 150° Corridor - 80 x 30°	
<b>Dimensions</b>	Ø155 x 46mm	155 x 155 x 46mm
<b>Mounting Type</b>	Surface mounting	
<b>Material</b>	Polycarbonate	
<b>RAL Colour</b>	RAL 9003	
<b>Guarantee</b>	3 Years	
<b>Conforms to</b>	BS EN 60598-2-22: 2014 + A1, BS EN IEC 60598-1:2021, BS EN 62471:2008, BS EN 62493:2015	

**Open Area Spacing Data (1 Lux)**

Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	5.30	13.67	13.64	13.53	5.26
3.00	5.52	14.38	14.34	14.25	5.48

**Corridor Spacing Data (1 Lux)**

Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	7.25	17.08	11.59	6.48	2.78
3.00	7.59	18.62	12.61	7.11	2.96



**Open Area Spacing Data (1 Lux)**

Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	5.12	13.39	13.19	13.25	5.20
3.00	5.34	14.06	13.87	13.96	5.45

**Corridor Spacing Data (1 Lux)**

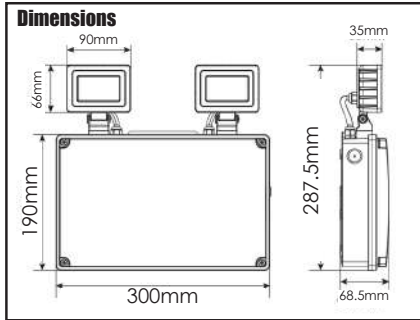
Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	7.16	17.10	11.70	6.53	2.62
3.00	7.40	18.60	12.68	7.14	2.72

## LED IP65 & IP20 Emergency Twin Spot

- ✓ Non Maintained
- ✓ Adjustable heads
- ✓ Modern Style
- ✓ Individual LED lamp health indicators
- ✓ Other options available for IP65 Twin Spot - Self test
- ✓ Emergency operation duration 3 hours



**POWBEAMTWINIP65**  
LED Twin Spot - IP65

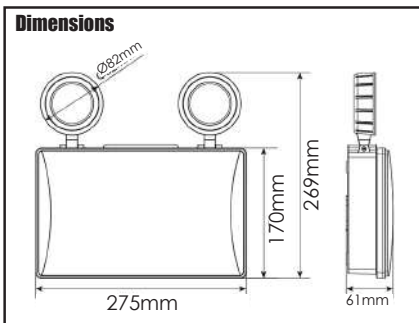


**Spacing Data (1 Lux)**

Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	5.07	12.10	11.76	11.34	4.69
3.00	5.44	13.16	12.72	12.20	5.01



**POWLITETWINIP20**  
LED Twin Spot - IP20



**Spacing Data (1 Lux)**

Mounting Height (m)	Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5
2.50	4.10	10.10	10.03	10.10	4.14
3.00	4.31	10.79	10.74	10.80	4.37

	POWBEAMTWINIP65	POWLITETWINIP20
<b>Description</b>	LED Twin Spot - IP65	LED Twin Spot - IP20
<b>Barcode</b>	5012739654879	5012739654886
<b>Voltage</b>	220-240V ~ 50.60Hz	
<b>Emergency Power</b>	2.2W (Charging mode) 4W (Discharge mode)	1.5W (Charging mode) 2.5W (Discharge mode)
<b>Lumen</b>	500 lumens (2 x 250 lms)	300 lumens (2 x 150 lms)
<b>Emergency Lumens</b>	540 lumens	300 lumens
<b>IP Rating</b>	IP65	IP20
<b>Class Type</b>	II	
<b>Emergency Duration</b>	3 Hours	
<b>Colour Temperature</b>	6500K	
<b>Ambient Temperature</b>	5°C - 45°C	
<b>Function</b>	Non-Maintained	
<b>Battery Type</b>	LiFePO4 6.4V 3.3Ah	LiFePO4 3.2V 3.3Ah
<b>Beam Angle</b>	120°	
<b>Mounting Type</b>	Wall Mounting	
<b>Material</b>	Polycarbonate	
<b>RAL Colour</b>	RAL 9003	
<b>Product Weight</b>	1102g	670g
<b>Guarantee</b>	3 Years	
<b>Conforms to</b>	BS EN 60598-2-22:2014+A1 BS EN IEC 60598-1:2021 BS EN 62471:2008 BS EN 62493:2015	



**IP65 2.5W LED Emergency Mini Bulkhead**

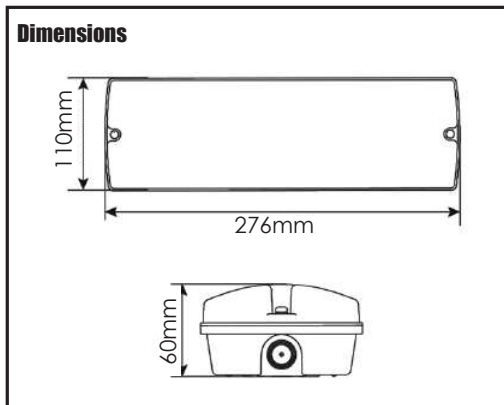
Cost effective emergency luminaires for interior and exterior applications. Constructed from impact resistant high gloss polycarbonate and can be wall or ceiling mounted.

- ✓ Hinged gear tray
- ✓ Quick Connect terminals
- ✓ Legend pack included as shown below
- ✓ Facility for remote switching
- ✓ 4 x 20mm entry points (one at each end, one on side & one on the back of unit)
- ✓ Built in battery protection & charge indicator
- ✓ Link changeable to Maintained / Non-Maintained
- ✓ Emergency operation duration 3 Hours
- ✓ 3 Year Guarantee



**ELLEDBULK  
Mini LED Bulkhead Unit**

**Non-Maintained /  
Maintained**



	ELLEDBULK
Description	Led Mini Bulkhead
Barcode	5012739645389
Voltage	220-240V ~ 50/60Hz
Emergency Power	2.5W
Lumen Output Mains	170 lumens
Lumen Output Battery	110 lumens
Emergency Duration	3 Hours
IP Rating	IP65
Power Factor	0.2
Class Type	I
Colour Temperature	6500K
Ambient Temperature	0°C - 40°C
Function	Maintained
Battery Type	Li-FePO4 18650 / 3.2V / 1000mAh
Dimensions (mm)	L276 x W110 x D60mm
LED Model & Qty	2835 /14 pieces
Charge Time	24 Hours
Beam Angle	120°
Deep Discharge Protection Voltage	3V
Overcharged Protection Voltage	3.6V
Mounting Type	Surface Mounting
Material	Polycarbonate
RAL Colour	RAL 9003
Entry Points	20mm
Product Weight	426g
Guarantee	3 Years
Conforms To	BS EN60598-2-22:2014+A1 BS EN IEC 60598-1:2021 BS EN 62471:2008 BS EN 62493:2015

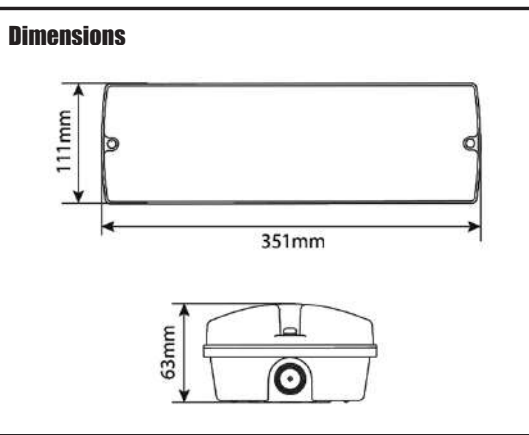


## IP65 3W LED Emergency Bulkhead

- ✓ Hinged Gear Tray
- ✓ Quick Connect terminals
- ✓ Legend pack included
- ✓ Facility for remote switching
- ✓ 3 x 20mm entry points (one at each end & one on the side)
- ✓ Built in battery protection & charge indicator
- ✓ Link chargeable to Maintained / Non Maintained
- ✓ Emergency operation duration 3 Hours
- ✓ 3 Year Guarantee



**ELLEDBH1**  
3W LED Bulkhead



### Non-Maintained / Maintained

	ELLEDBH1
Description	Led Bulkhead
Barcode	5012739647550
Voltage	220-240V ~ 50.60Hz
Emergency Power	3W
Lumens	150 lumens
Emergency Duration	3 Hours
IP Rating	IP65
Class Type	II
Colour Temperature	6500K
Ambient Temperature	0°C - 45°C
Function	Maintained
Battery Type	LiFePO4 3.2V 1.5Ah
Dimensions (mm)	L351 x W111 x D63mm
Charge Time	24 Hours
Beam Angle	120°
Mounting Type	Surface Mounting
Material	Polycarbonate
RAL Colour	RAL 9003
Entry Points	20mm
Product Weight	598g
Guarantee	3 Years
Conforms To	BS EN60598-2-22

**Spacing Data (1 lux)**

Mounting Height (m)	1	2	3	4	5
2.50	1.57	4.77	6.74	8.92	3.64
3.00	1.32	4.55	6.94	9.57	3.49

**Spacing Table Information**

	Wall to light (Transverse)
	Light to light (Transverse)
	Light to light (Transverse to Axial)
	Light to light (Axial to Axial)
	Light to Wall (Axial)

# PHOENIX RANGE

## IP65 10W LED Emergency Bulkhead - N/M

Heavy Duty emergency luminaires with selectable lumen output. Ideal for use where higher lumen output would be required e.g. warehouse environments at approx 12M install height, plant rooms and lift shafts.

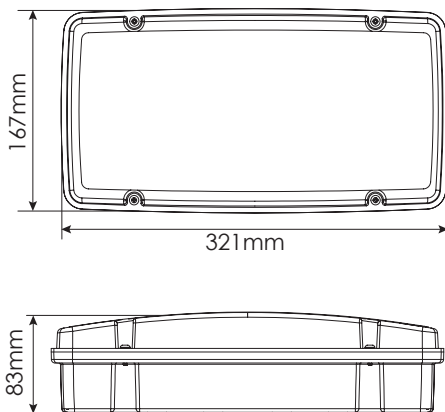
- ✓ Selectable lumen output - 1000 / 1500 lumens
- ✓ Gear tray integrated into diffuser for easy installation
- ✓ Self Test fitting part code - GBGMHOSTEMWH
- ✓ 7 x 20mm entry points
- ✓ Emergency operation duration 3 Hours



**High Output**

**GBGMHOEMWH  
LED Emergency  
Bulkhead Unit**

**Non-Maintained /  
Self Test**



**Selectable  
Lumen Output**

### Spacing Data (1 Lux)

Mounting Height (m)	2.50	5.52	13.03	14.48	16.75	6.94
	3.00	6.10	14.38	16.75	18.88	7.81

	GBGMHOEMWH	GBGMHOSTEMWH
<b>Description</b>	High Output LED Bulkhead - Standard	High Output LED Bulkhead - Self Test
<b>Barcode</b>	5012739654961	5012739654978
<b>Voltage</b>	220-240V / 50/60Hz	
<b>Emergency Power</b>	10W	
<b>Lumen Output Mains</b>	1000lm / 1500lm selectable	
<b>Emergency Duration</b>	3 Hours	
<b>IP Rating</b>	IP65	
<b>Power Factor</b>	>0.3	
<b>Class Type</b>	II	
<b>Colour Temperature</b>	6500k	
<b>Ambient Temperature</b>	5°C - 45°C	
<b>Function</b>	Standard	Self Test
<b>Battery Type</b>	Li-FePO4 6.4V6.6Ah	
<b>Dimensions (mm)</b>	L321 x W167 x D83mm	
<b>Charge Time</b>	24 Hours	
<b>Beam Angle</b>	135°	
<b>Mounting Type</b>	Surface Mounting	
<b>Material</b>	Polycarbonate	
<b>RAL Colour</b>	RAL 9003	
<b>Entry Points</b>	7 x 20mm O/D	
<b>Product Weight</b>	1350g	
<b>Guarantee</b>	3 Years	
<b>Conforms To</b>	BS EN60598-2-22:2014+A1 BS EN IEC 60598-1:2021 BS EN 62471:2008 BS EN 62493:2015	



*5 Year  
Guarantee  
on Alfresco Range*

**Wall Up & Down Light - IP44**

- ✓ 2 x 35W Max
- ✓ GU10 Lamp (not supplied)
- ✓ Available in Graphite, Stainless Steel, Copper - Stainless steel body with glass diffuser

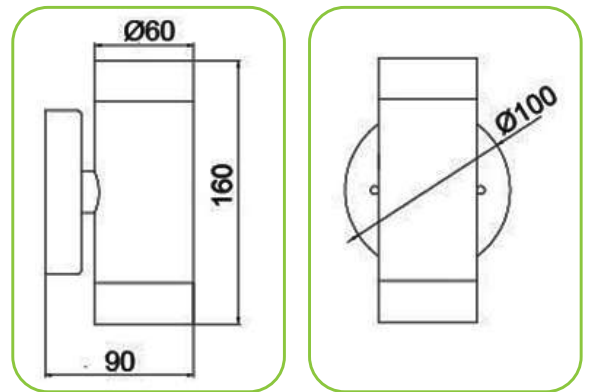


**LEDAF24**  
Wall Up & Down  
Light - IP44, Graphite

**LEDAF22**  
Wall Up & Down  
Light - IP44, Copper

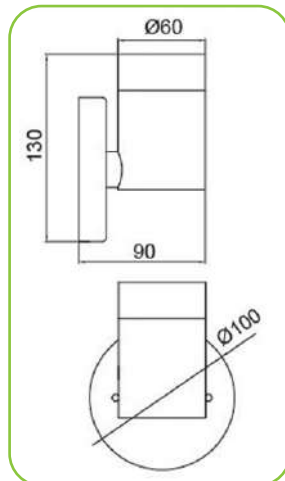
**LEDAF17**  
Wall Up & Down  
Light - IP44, Stainless Steel

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	2 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Housing	Stainless Steel / Graphite / Copper Body with Glass Diffuser
Conforms to	BS EN 60598-1



**Wall Down Light - IP44**

- ✓ 1 x 35W Max
- ✓ GU10 Lamp (Not supplied)
- ✓ Stainless Steel body with glass diffuser



**LEDAF18**  
Wall Down Light - IP44

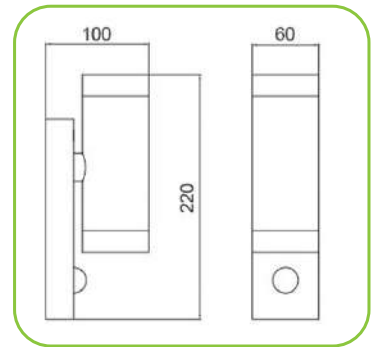
TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	1 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Housing	Stainless Steel Body with Glass Diffuser
Conforms to	BS EN 60598-1



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## Up & Down Wall Light with PIR - IP44

- ✓ 2 x 35 Max
- ✓ GU10 Lamp (not supplied)
- ✓ Complete with PIR
- ✓ With override facility
- ✓ Available in Graphite, Stainless Steel, Copper - Stainless steel body with glass diffuser



TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	2 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Detection Angle	120°
Detection Distance	4 - 8 Metres
Time Delay	(10±5) Secs to (4±1) Min
Mount Height	2.5 Metres
Housing	Stainless Steel/Graphite/Copper Body with Glass Diffuser
Conforms to	BS EN 60598-1



**LEDADF25**  
Up & Down Wall Light with PIR - IP44, Graphite

**LEDADF20**  
Up & Down Wall Light with PIR - IP44, Stainless Steel

**LEDADF23**  
Up & Down Wall Light with PIR - IP44

## Down Wall Light with PIR - IP44

- ✓ 1 x 35W Max
- ✓ GU10 Lamp (not supplied)
- ✓ Complete with PIR
- ✓ With override facility
- ✓ Stainless Steel body with glass diffuser

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	1 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Detection Angle	120°
Detection Distance	4 - 8 Metres
Time Delay	(10±5) Secs to (4±1) Min
Mount Height	2.5 Metres
Housing	Stainless Steel Body with Glass Diffuser
Conforms to	BS EN 60598-1

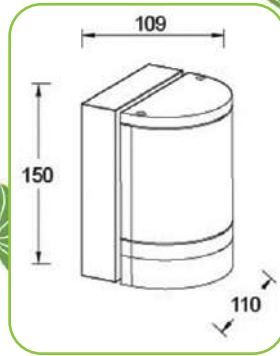


**LEDADF21**  
Down wall Light with PIR - IP44

*5 Year  
Guarantee  
on Alfresco Range*

**Heavy Duty Wall Downlight - IP44**

- ✓ 1 x 35W Max
- ✓ GU10 Lamp (not supplied)
- ✓ Grey Heavy Duty Aluminium body with Clear polycarbonate diffuser

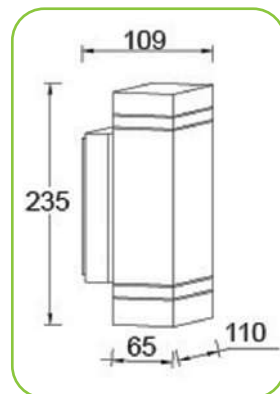


TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	1 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Housing	Aluminium Body with Clear Polycarbonate Diffuser
Conforms to	BS EN 60598-1

**LEDAF9**  
Heavy Duty Wall  
Downlight - IP44

**LED Up & Down Wall Light - IP44**

- ✓ 7.6W, 300 Lumens
- ✓ 4,000K
- ✓ Grey Heavy Duty Aluminium body with Clear polycarbonate diffuser



TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	7.6W
Lumens	300
IP rating	IP44
Colour Temperature	4,000K
Lamp Type	LED
Class Type	I
No of LED's	6
CRI	>80
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598

**LEDAF10**  
LED Up & Down Wall  
Light - IP44

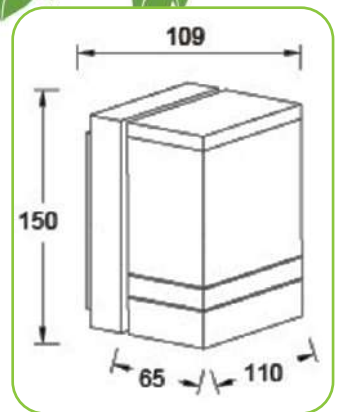


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## LED Wall Downlight - IP44

- ✓ 3.8W, 150 Lumens
- ✓ 4,000K
- ✓ Grey - Heavy Duty Aluminium body with Clear polycarbonate diffuser

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	3.8W
Lumens	150
IP rating	IP44
Colour Temperature	4,000K
Lamp Type	LED
Class Type	I
No of LED's	3
CRI	>80
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598

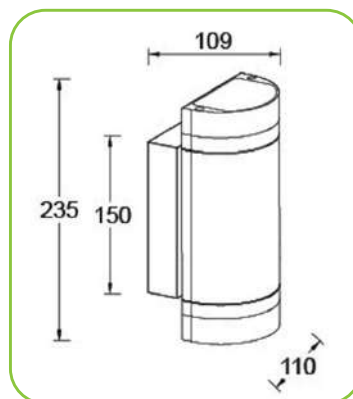


**LEDAF11**  
LED Wall Downlight  
- IP44

## Heavy Duty Wall Up & Downlight - IP44

- ✓ 2 x 35W Max
- ✓ GU10 Lamp (not supplied)
- ✓ Grey Heavy Duty Aluminium body with Clear polycarbonate diffuser

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	2 x 35W Max
IP rating	IP44
Lamp Type	GU10
Class Type	I
Housing	Aluminium Body with Clear Polycarbonate Diffuser
Conforms to	BS EN 60598-1



**LEDAF8**  
Heavy Duty Wall Up  
& Down Light - IP44

*5 Year  
Guarantee  
on Alfresco Range*

**LED Up & Down Wall Light - IP54**

- ✓ 10.5W, 500 Lumens
- ✓ Heavy Duty Aluminium body with Clear glass diffuser

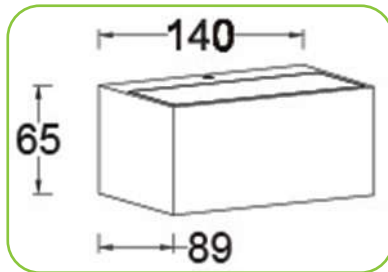


**LEDAF2**

LED Up & Down Wall Light - IP54  
4,000K

**LEDAF3**

Up & Down Wall Light - IP54  
3,000K



**TECHNICAL INFORMATION**

<b>Voltage</b>	230V ~ 240V - 50/60Hz
<b>Wattage</b>	10.5W
<b>Lumens</b>	500
<b>IP rating</b>	IP54
<b>Lamp Type</b>	LED
<b>Class Type</b>	I
<b>No of LED's</b>	14
<b>CRI</b>	>80
<b>Housing</b>	Heavy Duty Aluminium Body with Clear Diffuser
<b>Conforms to</b>	BS EN 60598

**LED Up & Down Wall Light - IP54**

- ✓ 20W, 1230 Lumens
- ✓ Heavy Duty Aluminium body with Clear glass diffuser

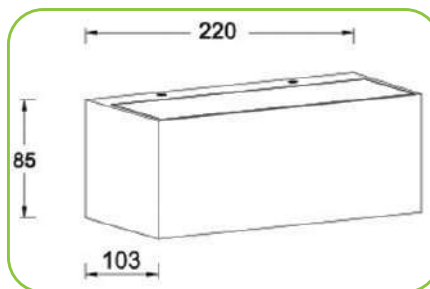


**LEDAF4**

LED Up & Down Wall Light - IP54  
4,000K

**LEDAF5**

LED Up & Down Wall Light - IP54  
3,000K



**TECHNICAL INFORMATION**

<b>Voltage</b>	230V ~ 240V - 50/60Hz
<b>Wattage</b>	20W
<b>Lumens</b>	1230
<b>IP rating</b>	IP54
<b>Lamp Type</b>	LED
<b>Class Type</b>	I
<b>No of LED's</b>	28
<b>CRI</b>	>80
<b>Housing</b>	Heavy Duty Aluminium Body with Clear Diffuser
<b>Conforms to</b>	BS EN 60598





## LED Down Wall Light- IP54

- ✓ 11W, 500 Lumens
- ✓ 3,000K
- ✓ Heavy Duty Aluminium body with Clear polycarbonate diffuser

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	11W
Lumens	500
IP rating	IP54
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	14
CRI	>80
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598



**LEDAF1**  
LED Down Wall Light

## LED Wall Light - IP54

- ✓ 15W, 700 Lumens
- ✓ 3,000K
- ✓ Available in - Grey or Rusted Brown Heavy Duty Aluminium body with Opal polycarbonate diffuser

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	15W
Lumens	700
IP rating	IP54
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	15
CRI	>80
Housing	Heavy Duty Aluminium Body with Opal Diffuser
Conforms to	BS EN 60598-1



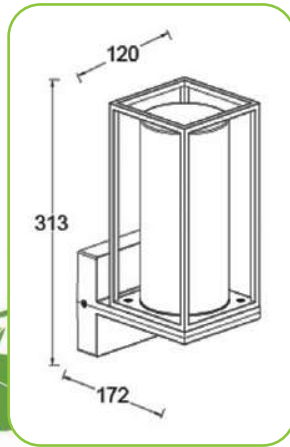
**LEDAF12**  
LED Wall Light  
Grey - IP54

**LEDAF13**  
LED Wall Light  
Rusted Brown - IP54

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Guarantee  
on Alfresco Range*

**Heavy Duty Wall Light with PIR - IP44**

- ✓ 40W Max
- ✓ E27 Lamp (not supplied)
- ✓ Complete with PIR
- ✓ With override facility
- ✓ Matt Black Heavy Duty Aluminium body with Clear glass diffuser

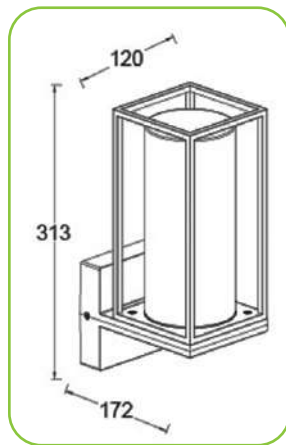


**LEDAF15**  
Heavy Duty Wall Light  
with PIR - IP44

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	40W Max
IP rating	IP54
Lamp Type	E27
Class Type	I
Detection Distance	0 - 7 Metres
Time Delay	5 Secs Min to 3 Mins Max
Mount Height	2.5 Metres
Housing	Aluminium Body with Glass Diffuser
Conforms to	BS EN 60598-1

**Heavy Duty Wall Light - IP44**

- ✓ 40W Max
- ✓ E27 Lamp (not supplied)
- ✓ Matt Black Heavy Duty Aluminium body with Clear glass diffuser



**LEDAF14**  
Heavy Duty Wall Light

TECHNICAL INFORMATION	
Voltage	230V ~ 240V - 50/60Hz
Wattage	40W Max
IP rating	IP44
Lamp Type	E27
Class Type	I
Housing	Aluminium Body with Glass Diffuser
Conforms to	BS EN 60598-1

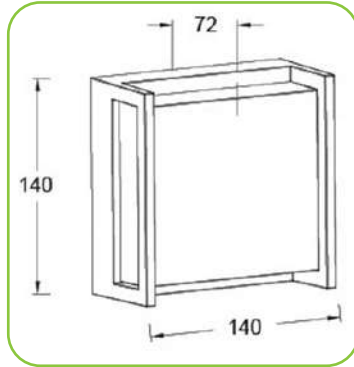


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## LED Wall Light - IP54

- ✓ 8.5W, 650 Lumens
- ✓ 3,000K
- ✓ Heavy Duty Aluminium body with Opal polycarbonate diffuser



**LEDAF42**

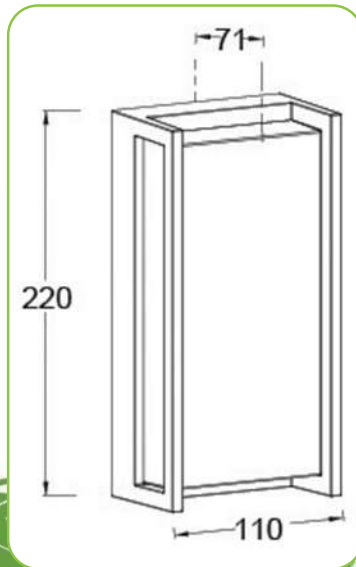
LED Wall Light - IP54

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	8.5W
Lumens	650
IP rating	IP54
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	15
CRI	>80
Housing	Heavy Duty Aluminium Body with Opal Diffuser
Conforms to	BS EN 60598



## LED Tall Wall Light - IP54

- ✓ 18W, 1100 Lumens
- ✓ 3,000K
- ✓ Heavy Duty Aluminium body with Opal polycarbonate diffuser



**LEDAF43**

LED Tall Wall Light - IP54

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	18W
Lumens	1100
IP rating	IP54
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	42
CRI	>80
Housing	Heavy Duty Aluminium Body with Opal Diffuser
Conforms to	BS EN 60598

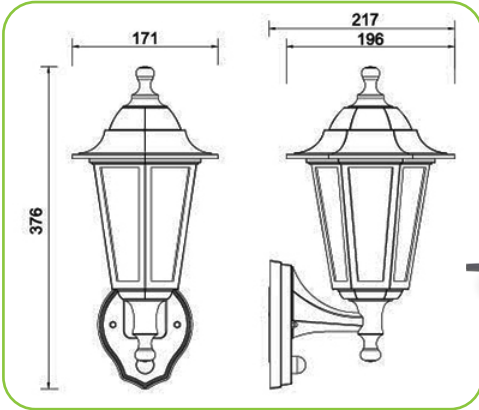


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**Wall Lantern with PIR - IP44**

- ✓ 1 x 60W Max
- ✓ E27 Lamp (not supplied)
- ✓ Complete with PIR
- ✓ With override facility
- ✓ Plastic body with glass diffuser



**LEDAF32**  
Wall Lantern with  
PIR - IP44

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	1 x 60W Max
IP rating	IP44
Lamp Type	E27
Class Type	II
Detection Distance	0 - 8 Metres
Time Delay	90 Secs
Mount Height	2.5 Metres
Housing	Plastic Body with Glass Diffuser
Conforms to	BS EN 60598-1

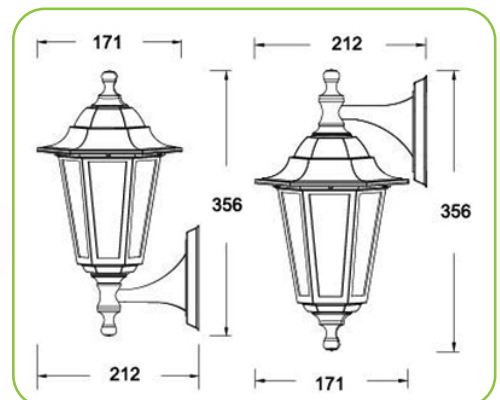
**Wall Lantern - IP44**

- ✓ 1 x 60W Max
- ✓ E27 Lamp (not supplied)
- ✓ Choice of wall mounts
- ✓ Plastic body with glass diffuser



**LEDAF31**  
Wall Lantern - IP44

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	1 x 60W Max
IP rating	IP44
Lamp Type	E27
Class Type	II
Housing	Plastic Body with Glass Diffuser
Conforms to	BS EN 60598-1



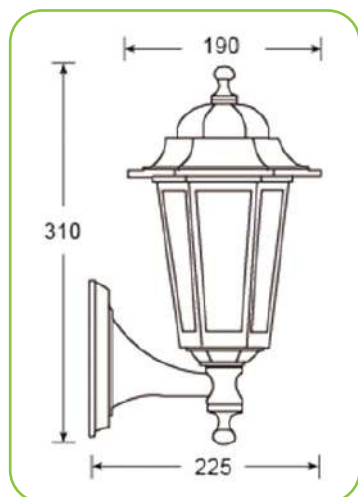
## Wall Lantern - IP44

- ✓ 1 x 60W Max
- ✓ E27 Lamp (not supplied)
- ✓ Heavy Duty Aluminium body with glass diffuser

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	1 x 60W Max
IP rating	IP44
Lamp Type	E27
Class Type	I
Housing	Aluminium Body with Glass Diffuser
Conforms to	BS EN 60598-1



**LEDAF29**  
Wall Lantern - IP44

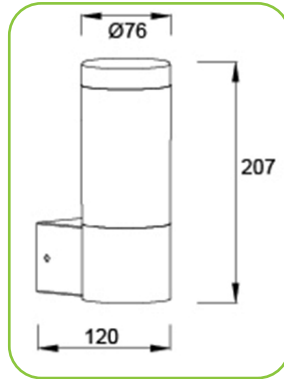


**Wall Light - IP44**

- ✓ 3.7W, 350 Lumens
- ✓ 3,000K
- ✓ Stainless Steel body with Clear polycarbonate diffuser
- ✓ Matches Ground Bollard LEDAF7



**LEDAF6**  
Wall Light - IP44



**TECHNICAL INFORMATION**

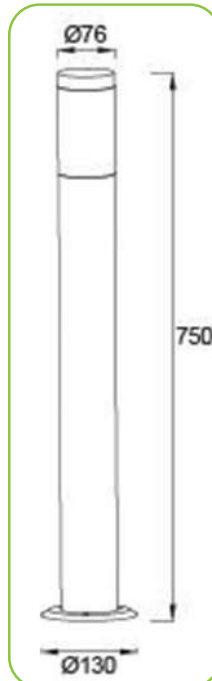
Voltage	230V ~ 240V - 50/60Hz
Wattage	3.7W
Lumens	350
IP rating	IP44
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	14
CRI	>80
Housing	Stainless Steel Body with Clear Diffuser
Conforms to	BS EN 60598-1

**LED Ground Bollard - IP44**

- ✓ 3.7W, 350 Lumens
- ✓ 3,000K
- ✓ Stainless Steel body with Clear polycarbonate diffuser
- ✓ Matches Wall Downlight LEDAF6



**LEDAF7**  
LED Ground Bollard  
- IP44



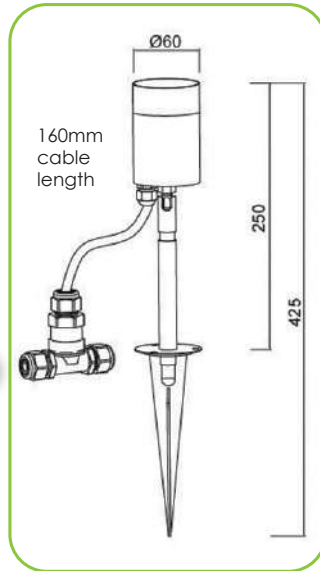
**TECHNICAL INFORMATION**

Voltage	230V ~ 240V - 50/60Hz
Wattage	3.7W
Lumens	350
IP rating	IP44
Colour Temperature	3,000K
Lamp Type	LED
Class Type	I
No of LED's	14
CRI	>80
Housing	Stainless Steel Body with Clear Diffuser
Conforms to	BS EN 60598

## Ground Spike Light - IP44

- ✓ 1 x 35 Max
- ✓ GU10 Lamp (not supplied)
- ✓ Complete with IP68 loop in / loop out connector
- ✓ Stainless Steel body with glass diffuser

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**LEDAF19**  
Ground Spike Light  
- IP44, Stainless Steel

**LEDAF26**  
Ground Spike Light  
- IP44, Graphite

### TECHNICAL INFORMATION

<b>Voltage</b>	230V ~ 240V - 50/60Hz
<b>Wattage</b>	1 x 35W Max
<b>IP rating</b>	IP44
<b>Lamp Type</b>	GU10
<b>Class Type</b>	I
<b>Housing</b>	Stainless Steel Body with Glass Diffuser & Graphite - Stainless Steel body with glass diffuser
<b>Conforms to</b>	BS EN 60598-1

## LED Recessed Ground Spot Light - IP67

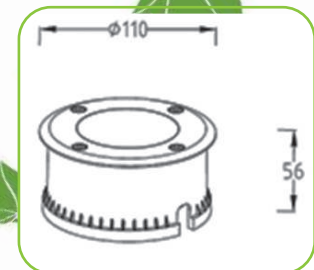
- ✓ 6.5W, 630 Lumens
- ✓ 4,000K
- ✓ Supplied with IP65 In-line connector
- ✓ Heavy Duty Aluminium body with Clear glass diffuser



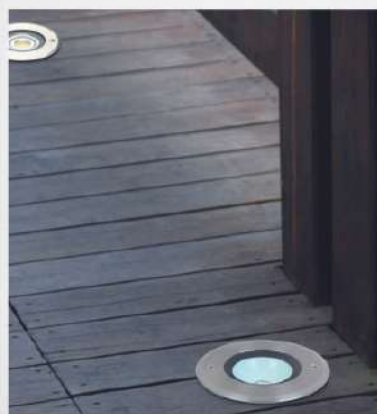
**LEDAF16**  
LED Recessed  
Ground Spot Light  
- IP67

### TECHNICAL INFORMATION

<b>Voltage</b>	230V - 240V ~ 50/60Hz
<b>Wattage</b>	6.5W
<b>Lumens</b>	630
<b>IP rating</b>	IP67 (In-line connector IP65)
<b>Colour Temperature</b>	4,000K
<b>Lamp Type</b>	LED
<b>Class Type</b>	I
<b>No of LED's</b>	11
<b>CRI</b>	>80
<b>Housing</b>	Heavy Duty Aluminium Body with Clear Diffuser
<b>Conforms to</b>	BS EN 60598



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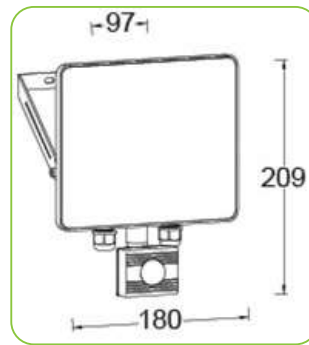
## LED Floodlight with PIR - IP54

- ✓ 30W, 2700 lumens
- ✓ 5,000K
- ✓ With override facility
- ✓ Louvre clip on cover available - LEDAF38
- ✓ Heavy Duty Aluminium body with clear glass diffuser



**LEDAF36**  
LED Floodlight  
with PIR - IP54

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	30W
Lumens	2700
IP rating	IP54
Colour Temperature	5,000K
Lamp Type	LED
Class Type	I
No of LED's	42
CRI	>80
Detection Distance	0 - 12 Metres
Time Delay	10 secs to 10 mins
Mount Height	2.5 Metres
Housing	Heavy Duty, Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598



**LEDAF38 - Pk Qty 8**  
Louvre Clip on Panel for  
LEDAF35 & LEDAF36 -  
Reduces Glare

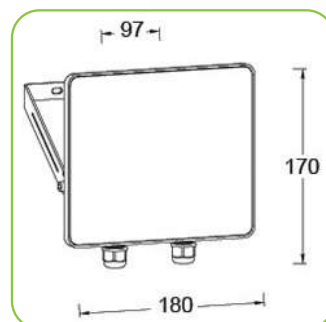
## LED Floodlight - IP65

- ✓ 30W, 2700 lumens
- ✓ 5,000K
- ✓ Louvre clip on cover available - LEDAF38
- ✓ Heavy Duty Aluminium body with clear glass diffuser



**LEDAF35**  
LED Floodlight  
- IP65

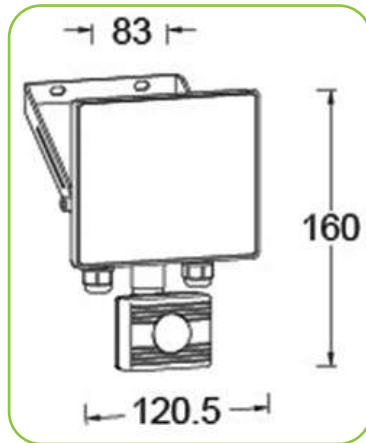
TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	30W
Lumens	2700
IP rating	IP65
Colour Temperature	5,000K
Lamp Type	LED
Class Type	I
No of LED's	42
CRI	>80
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598



**LED Floodlight with PIR - IP54**

- ✓ 10W, 900 Lumens
- ✓ 5,000K
- ✓ With override facility
- ✓ Louvre clip on cover available - LEDAF37
- ✓ Heavy Duty Aluminium body with clear glass diffuser

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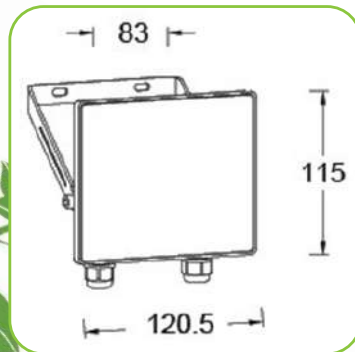


**LEDAF34**  
LED Floodlight  
with PIR - IP54

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	10W
Lumens	900
IP rating	IP54
Colour Temperature	5,000K
Lamp Type	LED
Class Type	I
No of LED's	15
CRI	>80
Detection Distance	0 - 12 Metres
Time Delay	10 secs to 10 mins
Mount Height	2.5 Metres
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598

**LED Floodlight - IP54**

- ✓ 10W, 900 Lumens
- ✓ 5,000K
- ✓ Louvre clip on cover available - LEDAF37
- ✓ Heavy Duty Aluminium body with clear glass diffuser



**LEDAF33**  
LED Floodlight  
- IP54

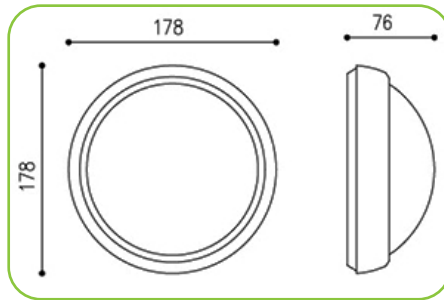
**LEDAF37 - Pk Qty 8**  
Louvre Clip on Panel for  
LEDAF33 & LEDAF34 -  
Reduces Glare

TECHNICAL INFORMATION	
Voltage	230V - 240V ~ 50/60Hz
Wattage	10W
Lumens	900
IP Rating	IP65
Colour Temperature	5,000K
Lamp Type	LED
Class Type	I
No of LED's	15
CRI	>80
Housing	Heavy Duty Aluminium Body with Clear Diffuser
Conforms to	BS EN 60598



## LED Round Bulkhead - IP65

- ✓ 6W, 430 Lumens
- ✓ 3,000K
- ✓ Black trim
- ✓ ABS & polycarbonate body with opal polycarbonate diffuser



**LEDAF27**

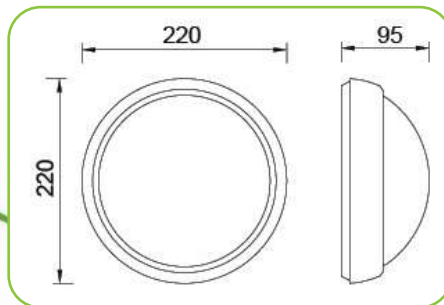
LED Round Bulkhead - IP65

### TECHNICAL INFORMATION

Voltage	230V - 240V ~ 50/60Hz
Wattage	6W
Lumens	430
IP rating	IP65
Colour Temperature	3,000K
Lamp Type	LED
Class Type	II
No of LED's	14
CRI	>80
Housing	ABS & Polycarbonate Body with Opal Diffuser
Conforms to	BS EN 60598

## LED Round Bulkhead - IP65

- ✓ 12W, 900 Lumens
- ✓ 3,000K
- ✓ White trim
- ✓ ABS & polycarbonate body with opal polycarbonate diffuser



**LEDAF28**

LED Round Bulkhead - IP65

### TECHNICAL INFORMATION

Voltage	230V - 240V ~ 50/60Hz
Wattage	12W
Lumens	900
IP rating	IP65
Colour Temperature	3,000K
Lamp Type	LED
Class Type	II
No of LED's	28
CRI	>80
Housing	ABS & Polycarbonate Body with Opal Diffuser
Conforms to	BS EN 60598



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- **Pneumatic Time Delay Switch**
- **Mechanical Thermostats**
- **Doorchime Range**
- **SafetySure Range**
- **Wiring Accessories**
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- **Tubular Heaters & Guards**
- **Air Curtain**
- **Socket Converters & Extension Leads**
- **Plug Tops & Fuses**
- **Converter Plugs**
- **Trailing Sockets**
- **Ceiling Accessories**
- **Plug-in Relays & Bases**
- **Ladders**

**Infra-Red Motion Detector**

These products uses an Infra-Red heat detector. The detector senses 'warmth movement' in the surrounding area when it is dark. When movement is detected the sensor is activated and triggers the connected load. It has a built in photo-cell that can identify day and night.

- ✓ Suitable for LED and energy saving lamps
- ✓ Detection range 160°
- ✓ Adjustable time delay & ambient light
- ✓ Built in replaceable fuse
- ✓ PIR motion sensor
- ✓ No neutral required
- ✓ Replaces existing light switch
- ✓ Fits a standard 25mm back box
- ✓ Suitable for wall mounting only
- ✓ 1 Year Guarantee

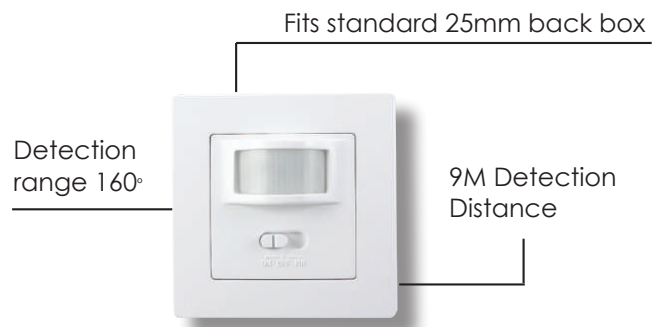
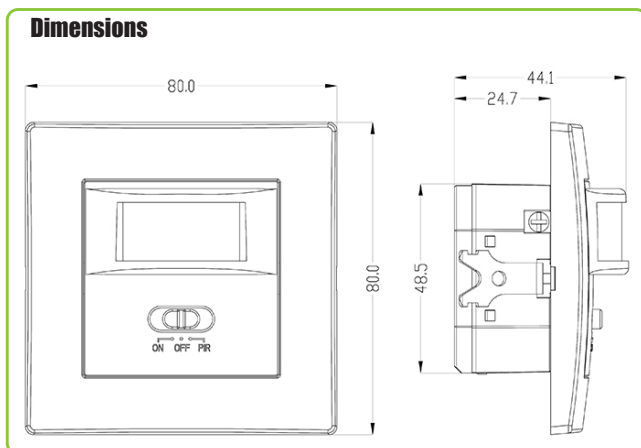
**Suitable for LED  
Lamps**



**OD100  
Wall Switch Sensor**  
96 on/off settings  
Weight 71g  
H79.5 x W79.5 x D44.4mm

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 7 min ± 2 min
Rated Load	0W - 500W Tungsten, 5W - 200W Energy Saving/LED
Detection Distance	9M max (<24°C)
Detection Range	160°C
Working Humidity	<93%RH
Working Temp	-20°C - +40°C
Power Consumption	0.5W approx
Installation Height	1 - 1.8M
Detection Moving Speed	0.6 - 1.5m/s
Fuse Type	3A, 20mm x 5mm
Dimensions	80 x 80 x 44.1mm

**LEDs  
up-to  
200W**



### Infra-Red Motion Detector

These products use an Infra-Red detector.

The detector senses 'warmth movement' in the surrounding area when it is dark. When movement is detected the sensor is activated and triggers the connected load. It has a built in photo-cell that can identify day and night.

- ✓ **Adjustable time delay**
- ✓ **Working Temp -20°C - +40°C**
- ✓ **Power consumption 0.5W approx**
- ✓ **Adjustable ambient light**
- ✓ **Suitable for LED and energy saving lamps**
- ✓ **Detection range 360°**
- ✓ **PIR motion sensor**
- ✓ **Surface mounted, no cut-out required**
- ✓ **1 Year Guarantee**

**OD101**  
**Slimline Ceiling Sensor**  
 Weight 104g  
 Diameter 115 x D24mm

**LEDs**  
 up-to  
 1000W



**Suitable for LED Lamps**

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 15 min ± 2 min
Rated Load	2000W Tungsten, 1000W Energy Saving/ LED
Detection Distance	6M max (<24°C)
Working Humidity	<93%RH
Installation Height	2.2 - 4M
Detection Moving Speed	0.6 - 1.5m/s
Fuse Type	3A, 20mm x 5mm
Conforms to	EN 60669-1, EN 60669-2-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

### Infra-Red Motion Detector

- ✓ **Adjustable time delay**
- ✓ **Working Temp -20°C - +40°C**
- ✓ **Power consumption 0.5W approx**
- ✓ **Adjustable ambient light**
- ✓ **Suitable for LED and energy saving lamps**
- ✓ **Detection range 360°**
- ✓ **PIR motion sensor**
- ✓ **Surface mounted, no cut-out required**
- ✓ **1 Year Guarantee**

**OD102**  
**Ceiling Mounted Sensor**  
 Weight 86g  
 Diameter 80 x D42mm

**LEDs**  
 up-to  
 300W



**Suitable for LED Lamps**

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 15 min ± 2 min
Rated Load	1200W Tungsten, 300W Energy Saving/LED
Detection Distance	6M max (<24°C)
Working Humidity	<93%RH
Installation Height	2.2 - 4M
Detection Moving Speed	0.6 - 1.5m/s
Fuse Type	3A, 20mm x 5mm
Conforms to	EN 61058-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

**Infra-Red Motion Detector**

- ✓ Detection range 180°
- ✓ PIR motion sensor
- ✓ Adjustable ambient light
- ✓ Multi directional head
- ✓ Suitable for indoor and outdoor use
- ✓ Power consumption 0.5W
- ✓ 1 Year Guarantee

**Suitable for LED  
Lamps**



**LEDs  
up-to  
300W**



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP65
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 15 min ± 2 min
Rated Load	1200W Tungsten, 300W Energy Saving/LED
Detection Distance	12M max (<24°C)
Working Humidity	<93%RH
Installation Height	1.8 - 2.3M
Detection Moving Speed	0.6 - 1.5m/s
Conforms to	EN 61058-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

**OD103  
IP65 Infra-red Detector**

White  
Weight 159g  
H51 x W88 x D120mm

**OD103B  
IP65 Infra-red Detector**

Black  
Weight 159g  
H51 x W88 x D120mm

“High IP rating for severe weather conditions”



“Suitable for indoor and outdoor use”



## Infra-Red Motion Detector

These products use an Infra-Red heat detector.

The detector senses 'warmth movement' in the surrounding area when it is dark, when movement is detected the sensor is activated and triggers the connected lead. It has a built in photo-cell that can identify day and night.

- ✓ Adjustable time delay
- ✓ Power consumption 0.5W approx
- ✓ Suitable for LED and energy saving lamps
- ✓ Detection range 180°
- ✓ PIR motion sensor
- ✓ Adjustable ambient light
- ✓ Multi directional head
- ✓ Suitable for indoor and outdoor use
- ✓ 1 Year Guarantee

**LEDs**  
up-to  
400W

### OD104 Infra-Red Motion Detector

Weight 97g  
80.2 x 55.5 x 66.5mm



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP44
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 15 min ± 2 min
Rated Load	800W Tungsten, 400W Energy Saving/LED
Detection Distance	12M max (<24°C)
Working Humidity	<93%RH
Installation Height	1.8 - 2.5M
Detection Moving Speed	0.6 - 1.5m/s
Conforms to	EN 60669-1, EN 60669-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

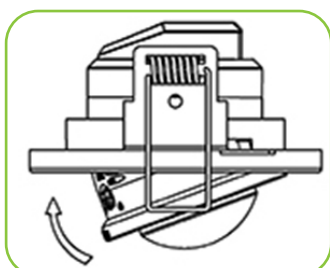
## Infra-Red Motion Detector

- ✓ Suitable for LED and energy saving lamps
- ✓ Detection range 360°
- ✓ Adjustable time delay
- ✓ PIR motion sensor
- ✓ Adjustable ambient light
- ✓ Hole cut out 65mm
- ✓ Tilt facility for easy adjustment
- ✓ 1 Year Guarantee

**LEDs**  
up-to  
400W

### OD105 Flush Mounted Ceiling Detector

Weight 95g  
Diameter 60 x D80mm



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 15 min ± 2 min
Rated Load	800W Tungsten, 400W Energy Saving/LED
Detection Distance	6M max (<24°C)
Working Humidity	<93%RH
Installation Height	2.2 - 4M
Detection Moving Speed	0.6 - 1.5m/s
Conforms to	EN 60669-1, EN 60669-2-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

*"Tilt facility for  
easy adjustment"*

**Infra-red Presence Detector -  
Surface Mounted**

The ODPS300 functions as per the infra-red motion detectors however a 'Presence detector' has additional detectors built in which increases the devices sensitivity to small movements, for example sitting at a desk typing, keeps the trigger load running.

- ✓ Adjustable time delay
- ✓ Working Temp -20° - +40°C
- ✓ Power consumption 0.5W approx
- ✓ Suitable for LED and energy saving lamps
- ✓ Detection range 360°
- ✓ PIR motion sensor
- ✓ Adjustable ambient light
- ✓ 1 Year Guarantee

**Suitable for LED  
Lamps**

**LEDs  
up-to  
1000W**



**ODPS300  
Infra-Red Presence Detector - Surface Mounted**

Weight 140g  
H60 x W102 x D102mm

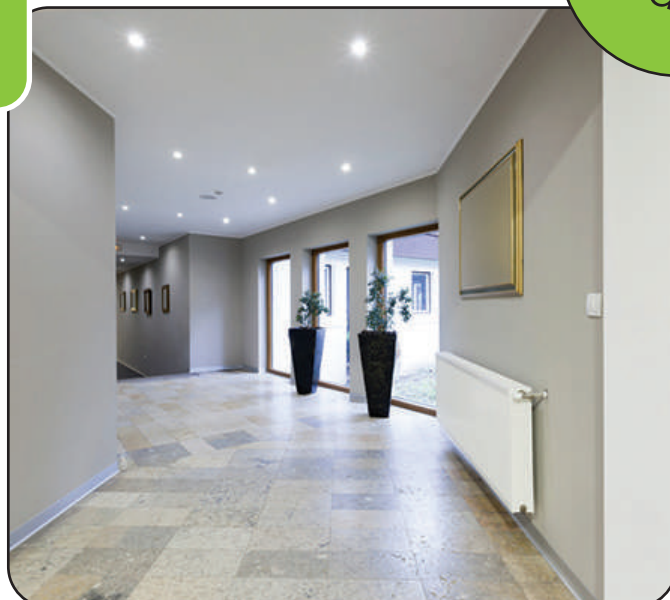
TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 30 min ± 2 min
Rated Load	2000W Tungsten, 1000W Energy Saving/LED
Detection Distance	20M max (<24°C)
Working Humidity	<93%RH
Installation Height	2.2 - 6M
Conforms to	EN 61058-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

Infra-Red Presence Detectors function as per the infra-red motion detectors however a presence detector has additional detectors built in which increases the device sensitivity to small movements for example sitting at a desk typing, keeps the trigger load running.

**Energy  
Saving  
products**



"360 Detection Range"



## Microwave Motion Detector - Ceiling Mounted

A detector monitors the detection zone for occupancy, using radio waves in the microwave band (5.8 GHz) if a person is sensed then the detector will automatically turn the lighting on. When the area is vacated, the light will turn off after a pre-set time delay.

Most of our microwave detectors have a built in light level (LUX) sensor which will keep the lighting off if there is enough natural light available.

- ✓ **Adjustable time delay**
- ✓ **Suitable for LED and energy saving lamps**
- ✓ **Detection range 360°**
- ✓ **Hole cut out 65mm**
- ✓ **Power consumption 0.9W**
- ✓ **Microwave sensor**
- ✓ **Adjustable ambient light**
- ✓ **1 Year Guarantee**

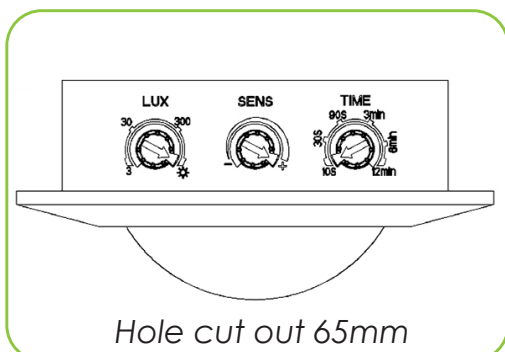
**Suitable for LED Lamps**

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	<3-2,000 LUX (adj)
Time Delay	Min 10 sec ± 3 sec, Max 12 min ± 1 min
Rated Load	1200W Tungsten, 300W Energy Saving/LED
Detection Distance	1.8M max adjustable
Working Humidity	<93%RH
Installation Height	1.5 - 3.5M
Detection Moving Speed	0.6 - 1.5m/s
Conforms to	EN 61058-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

A microwave presence detector monitors the detection zone for occupancy, using radio waves in the microwave band (5.8 GHz) if a person is sensed then the detector will automatically turn the lighting on. When the area is vacated, the light will turn off after a pre-set time delay. Most of our microwave detectors have a built in light level (Lux) sensor which will keep the lighting off if there is enough natural light available.

### ODM200 Microwave Motion Detector - Ceiling Mounted

Weight 99g  
Dia 74 x D76mm



**Microwave Motion Detector -  
Adjustable**

Our range of Microwave Presence Detectors are designed to reduce the amount of time lighting is left on unnecessarily, for example if an area is unoccupied or if there is sufficient natural light. Controlling lighting with a microwave presence detector can **save up to 60%** of lighting energy costs dependent on occupancy behaviour and the amount of natural light available: our microwave sensors can also be used to control heating and ventilation. *As this detector uses microwaves, detection is possible through internal door panes of glass or thin walls.*

- ✓ **Adjustable time delay**
- ✓ **Suitable for LED and energy saving lamps**
- ✓ **Power consumption 0.9W approx**
- ✓ **Microwave sensor**
- ✓ **Detection range 360° (ceiling)**
- ✓ **Detection range 180° (wall)**
- ✓ **Adjustable ambient light**
- ✓ **Suitable for incorporation into light fittings**
- ✓ **1 Year Guarantee**

**Suitable for LED  
Lamps**

**LEDs  
up-to  
300W**

**TECHNICAL INFORMATION**

<b>Voltage</b>	230V AC ~ 50Hz
<b>IP Rating</b>	IP20
<b>Ambient Light</b>	<3-2,000 LUX (adj)
<b>HF System</b>	5.8GHz CW radar, ISM band
<b>Time Delay</b>	Min 10 sec ± 3 sec, Max 12 min ± 1 min
<b>Rated Voltage</b>	1200W Tungsten, 300W Energy Saving/LED
<b>Detection Distance</b>	5 - 15M max adjustable (wall) 1 - 8M radius adjustable (ceiling)
<b>Working Humidity</b>	<93%RH
<b>Installation Height</b>	1.5 - 3.5M (wall) 2 - 8M (ceiling)
<b>Detection moving speed</b>	0.6 - 1.5m/s
<b>Conforms to</b>	EN 60669-1, EN 60669-2-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

“Suitable for incorporation into light fittings”



**ODM201**

**Microwave Motion Detector - Adjustable**

Weight 43g

H25.4 x W39.4 x D54.6mm

Suitable for LED Lamps

## Microwave Motion Detector - Programmed Settings

As this detector uses microwaves, detection is possible through internal door panes of glass or thin walls.

- ✓ Adjustable time delay
- ✓ Suitable for LED and energy saving lamps
- ✓ Power consumption 0.9W approx
- ✓ Microwave sensor
- ✓ Detection range 360° (ceiling)
- ✓ Adjustable ambient light
- ✓ Detection range 180° (wall)
- ✓ Suitable for incorporation into light fittings
- ✓ 1 Year Guarantee

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP20
Ambient Light	2 LUX, 5 LUX, 20 LUX, 50 LUX, 2,000 LUX (choice)
HF System	5.8GHz CW radar, ISM band
Hold Time	5s, 30s, 1min, 5min, 10 min, 20min, 30min (choice)
Rated Load	1200W Tungsten, 300W Energy Saving/LED
Detection Distance	5 - 15M max adjustable (wall) 1 - 8M radius adjustable (ceiling)
Working Humidity	<93%RH
Installation Height	1.5 - 3.5M (wall) 2 - 8M (ceiling)
Detection Moving Speed	0.6 - 1.5m/s
Conforms to	EN 60669-1, EN 60669-2-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547



### ODM202

#### Microwave Motion Detector - Programmed Settings

Weight 46g

H25.4 x W37 x D64mm

**Microwave Motion Detector -  
1-10V Dimmable**

- ✓ Adjustable time delay
- ✓ Suitable for LED and energy saving lamps
- ✓ Power consumption 0.9W approx
- ✓ Microwave sensor
- ✓ Detection range 360° (ceiling)
- ✓ Adjustable ambient light
- ✓ Detection range 180° (wall)
- ✓ Suitable for incorporation into light fittings
- ✓ More controllable fully dimmable
- ✓ 1 Year Guarantee

**Suitable for LED  
Lamps**

**TECHNICAL INFORMATION**

<b>Voltage</b>	230V AC ~ 50Hz
<b>IP Rating</b>	IP20
<b>Ambient Light</b>	2 LUX, 5 LUX, 20 LUX, 50 LUX, 2,000 LUX (choice)
<b>HF System</b>	5.8GHz CW radar, ISM band
<b>Hold Time</b>	5s, 30s, 1min, 5min, 10min, 20min, 30min
<b>Rated Load</b>	1200W Tungsten 300W Energy Saving/LED
<b>Detection Distance</b>	5 - 15M max adjustable (wall) 1 - 8M radius adjustable (ceiling)
<b>Working Humidity</b>	<93%RH
<b>Installation Height</b>	1.5 - 3.5M (wall) 2 - 8M (ceiling)
<b>Detection Moving Speed</b>	0.6 - 1.5m/s
<b>Stand-by Dimming Level</b>	10%, 20%, 30%, 50% (choice)
<b>Conforms to</b>	EN 60669-1, EN 60669-2-1, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547



**ODM203**

**Microwave Motion Detector - 1-10V Dimmable**

Weight 62g

H26 x W45 x D78mm

# ORION RANGE

## Occupancy Detectors

## Photocells

The GreenBrook Photocell range offers a wide selection of products for dusk and dawn switching. A photocell detects the level of light and will turn lights on when it gets dark.

✓ **1 Year Guarantee**

*A maximum of 10 LED fittings can be used per photocell sensor*

TECHNICAL INFORMATION	
<b>Voltage</b>	220-240V AC, 50/60Hz
<b>IP Rating</b>	PEC1000 & PECH - IP65 (when installed with suitable IP65 cable gland) PECR & PEC20 - IP65 (when installed with suitable enclosure)
<b>Conforms to</b>	EN IEC 60158-1:2018, EN 61058-1-1:2016, BS EN IEC 61058-1:2018 & BS EN 61058-1-1:2016

### PEC1000

#### 2000W/10A Electronic Photocell Kit with detachable sensing module

ON < 20Lux Off >80Lux  
 Max switching capacity 7A  
 Typical Load 1000W tungsten / 1800VA inductive load /  
 LED Compatible 400W Max  
 10 - 15 second switching delay



### PECH

#### Replacement head for PEC1000

Max switching capacity 7A  
 Typical Load 1000W tungsten / 1800VA inductive load /  
 LED Compatible 400W Max  
 10 - 15 second switching delay



### PEC20

#### 2000W/10A Remote Panel Mounting Photocell

ON <20Lux - OFF >80Lux  
 Max switching capacity 3.5A  
 2.1A, 500W tungsten, 3.5A, 850VA inductive load /  
 LED Compatible 400W Max  
 16mm mounting thread size with locking



### PECR

#### Photocell with Remote Sensing Head

10 ~ 20 Lux x ON (Dusk)  
 30 ~ 60 Lux OFF (Dawn)  
 IP65 Rated (when installed with suitable enclosure)  
 Max switching capacity 6A  
 Typical Load 6A tungsten / 6A inductive load /  
 LED Compatible 400W Max  
 Electrical life 3650 cycles  
 20mm mounting thread size with locking



**Fused Timer Connection Unit**

Ideal for control of towel rails, panel heaters, immersion heaters, fan heaters.

- ✓ 4 'ON' and 'OFF' settings per day
- ✓ Large backlit LCD display
- ✓ 12mm pattress supplied if extra spacing is needed
- ✓ Fitted with front load replaceable 13A fuse
- ✓ Will fit 25-47mm back boxes
- ✓ '1 or 2 hour Boost' & 'Advance' controls
- ✓ 700 hours battery life
- ✓ Front cable entry
- ✓ 1 Year Guarantee



**T205**  
**Fused Timer Connection Unit Switch -**  
**7 Day 'Boost' & 'Advance' controls**

Slim design

Will fit 25-47mm back boxes

86.5 x 86.5 x 40mm

(46.5mm including switch on front)

**TECHNICAL INFORMATION**

<b>Description</b>	Fused Timer Connection Unit 7 Day
<b>Max Load</b>	13A Resistive Load 6A Inductive load
<b>Product Finish</b>	White
<b>Barcode</b>	5012739653964
<b>Product Weight</b>	188g
<b>Product Dimensions</b>	H86.5 x W86.5 x D40mm (D46.5mm Including front switch)
<b>Voltage</b>	230V AC 50Hz
<b>Rated Impulse Voltage</b>	4,000V
<b>Operating Temperature</b>	-5°C - +40°C
<b>Working Environment</b>	Indoor use only
<b>Operation</b>	Integrated Control
<b>Battery Back Up</b>	700 Hours
<b>Display</b>	Large Back Lit LCD
<b>Pollution Degree</b>	2
<b>Manual Switch Type</b>	Double Pole Switch
<b>Timer Switch Type</b>	Relay (single pole)
<b>Settings</b>	4 On & Off Settings per day
<b>Cord Anchorage</b>	Cable Dia: 4.6mm to 10.4mm
<b>Terminal Capacity</b>	Cable Size -3 x 1.0mm <sup>2</sup> 3 x 2.5mm <sup>2</sup>
<b>Guarantee</b>	1 Year
<b>Conforms to</b>	BS 5733:2010+A1:2014, BS EN60730-1:2016+A1:2019, BS EN IEC 60730-2-7:2020 Fused Connection Unit Tests to: BS 1363-4:2016+A1:2018

**7 Day Timer with  
1 & 2 hr Boost & Advance Controls**



- ✓ Ideal for most heating applications
- ✓ Timer 'on' status indicator
- ✓ Fits a 35mm dual appliance socket box should you require to mount the timer next to a fused spur or socket outlet
- ✓ Will fit directly to any 35mm deep socket box fitted with an earth terminal
- ✓ Suitable for use with our PENC1G IP66 Weatherproof Single Enclosure
- ✓ T108A is suitable for discharge lighting applications
- ✓ 1 Year Guarantee

TECHNICAL INFORMATION	
<b>Voltage</b>	230V AC
<b>Max Load</b>	16A Resistive load 2A Inductive load (T108A-C 8A Inductive load)
<b>Conforms to</b>	BS EN 60730-1:2016 +A1:2019 and BS EN IEC 60730-2-7:2020

## Mechanical Timers

### T100A

#### 24hr Mechanical Timer

96 on/off settings  
Analogue clock face  
on/timed/off switch selector  
H77 x W72 x D43mm (Plate 86 x 86mm)

### T101A

#### 7 Day Mechanical Timer

84 on/off settings (12 per day)  
Analogue clock face  
on/timed/off switch selector  
Minute hand indicator  
H77 x W72 x D43mm (Plate 86 x 86mm)



### T105A

#### 7 Day Electronic Timer with 150hr battery backup

24 on/off programmes  
Manual Override  
Summer time setting option  
Countdown timer function and 'Random' setting  
Battery Back Up 150 Hours  
H77 x W72 x D43mm (Plate 86 x 86mm)

### T108A

#### 7 Day Electronic Timer with 150hr battery backup

8A inductive rating  
24 on/off programmes  
Manual override  
Summer time setting option and 'Random' setting  
Battery Back Up 150 Hours  
H77 x W72 x D43mm (Plate 86 x 86mm)

## Electronic Timers



- ✓ Timer 'on' status indicator
- ✓ 1 Year Guarantee

**TECHNICAL INFORMATION**

<b>Voltage</b>	230V ~ 50Hz
<b>Max Load</b>	16A Resistive, 2A Inductive
<b>Conforms to</b>	BS EN 60730-1:2016 +A1:2019 and BS EN IEC 60730-2-7:2020

**Mechanical Timers**



**T102A**

**24hr Mechanical Timer**

96 on/off settings  
Analogue clock-face  
On/timed/off switch selector  
H127 x W74 x D48mm

**T104A**

**7 Day Mechanical Timer**

84 on/off settings (12 per day)  
Analogue clock-face  
On/timed/off switch selector  
Minute hand indicator  
H127 x W74 x D48mm

**Electronic Timer**



**T106A**

**7 Day/24hr Electronic Timer with 150hr battery backup**

24 on/off programmes  
Manual override  
Summer time setting  
Countdown timer function and 'Random' setting  
H127 x W74 x D48mm

**Dual Tariff Boost Timer**



**T109**

**16A Dual Tariff Boost Timer**

The GreenBrook Dual Tariff Boost Timer controls the use of off-peak cheap rate electricity. It can be surface mounted and has easy to set time segments.  
15 - 120 minute boost facility  
Anti-tamper time cover  
H85 x W155 x D50mm

- ✓ **Manual override**
- ✓ **1 Year Guarantee**

TECHNICAL INFORMATION	
<b>Voltage</b>	230V ~ 50Hz, 13A
<b>Max Load</b>	(3kW) Resistive, 2A Inductive
<b>Conforms to</b>	BS EN 60730-1:2016 +A1:2019 and BS EN IEC 60730-2-7:2020

## Electronic Plug-In

### T17B-C

#### 7 Day Electronic Plug-In Timer/Adaptor

- 24 on/off programmes
- Random delay 'on/off' function
- Timer countdown function
- Complete with AAA battery to keep programmed settings when not plugged in
- Summertime pre-set setting available
- H123 x W64 x D53mm (exl. pins)



## Mechanical Plug-In

### T73A

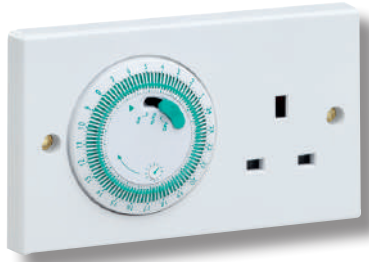
#### 24hr Mechanical Plug-In Timer/Adaptor

- 15 minute on/off segments
- H131 x W76 x D46mm (exl.pins)



The GreenBrook 24hr Mechanical Timer Socket simply replaces your normal socket, with the added benefit of a timer application. It has 96 on/off settings for maximum flexibility. Suitable for use with any 13A appliance you need to automatically control.

- ✓ On/timed/off selector
- ✓ Power consumption 0.9W
- ✓ Operation temperature -5°C to +40°C
- ✓ Can be installed into IP66 Weatherproof Twin Enclosure PENC2G
- ✓ 1 Year Guarantee



**TS70A**  
**24hr Mechanical 13A Timer Socket**

96 on/off settings  
Operates with 15 minute on/off segments  
H87 x W147 x D14mm

TECHNICAL INFORMATION	
Voltage	230V ~ 50Hz, 13 Amp
Max Load	4A Inductive
Conforms to	BS 1363-2, BS EN 60730, BS EN 60730-2-7

## Din Rail Mounting Timer

- ✓ For use with control panels
- ✓ Volt free contact
- ✓ 6 'ON' + 6 'OFF' settings
- ✓ Din rail mounted
- ✓ 100 hour battery back up
- ✓ 1 Year Guarantee



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Load	16A Resistive, 2A Inductive
Conforms to	BS EN IEC 60730-2-7 and BS EN 60730-1

**T80**  
**Din Rail Mounting Digital Compact Timer**

With 7 day or 24hr programming  
H90 x W19 x D61.9mm

## Pneumatic Time Delay Switch

For the operation and control of lighting.

- ✓ Suitable for controlling GLS, fluorescent, compact fluorescent & LED Lighting
- ✓ Adjustable time delay - 10 secs to 10 mins
- ✓ Ideal applications - stairwells, corridors, store rooms & toilet areas
- ✓ Normally open & normally closed contacts
- ✓ Can be fitted to a 1 gang 16mm deep switch box or can be mounted on a 1 gang pattress
- ✓ 1 year guarantee



**TLS**  
**Pneumatic Time Delay Switch**  
H85 x W85 x D42mm  
Weight 80g

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Operating Temperature	-5°C to +40°C
Fixings (supplied)	2 x 20mm, 3.5mm screws & screw cap covers
Conforms to	BS EN 60730-2-7

Our range of Mechanical Thermostats also includes two froststats and a cylinder/pipe stat. These Mechanical Thermostats are easy to install and have an IP rating of IP20.

✓ **1 Year Guarantee**

TECHNICAL INFORMATION	
<b>Voltage</b>	230V AC resistive load
<b>IP Rating</b>	IP20
<b>Class</b>	Class II
<b>Type of operation</b>	3 wire operation
<b>Conforms to</b>	BS EN 60730-1, BS EN 60730-2-7

## TH90

### Thermostat - Break on Rise

Resistive 10A opening  
+5°C to +35°C  
H83 x W83 x D34mm

## TH90C

### Thermostat - Changeover Contact

Resistive 10A opening, 3A closing  
+5°C to +35°C  
H83 x W83 x D34mm

## TH90T

### Thermostat Tamper-proof - Changeover Contact

Resistive 10A opening, 3A closing  
+5°C to +35°C  
H83 x W83 x D34mm

## TH90F

### Froststat - Break on rise

For frost protection of building fabric, contents and exposed pipework  
Resistive 10A opening  
-5°C to +15°C  
H83 x W83 x D34mm

## TH90FT

### Froststat Tamperproof

For frost protection of building fabric, contents and exposed pipework  
Resistive 10A opening  
-5°C to +15°C  
H83 x W83 x D34mm

## TH90CS

### Cylinder/Pipe Stat Changeover Contact Control for boilers and central heating

Resistive 15A opening  
+10°C to +90°C  
H120 x W40 x D40mm





**Doorchime Range**

The Wired Doorchime Range, whether battery or transformer powered, has been specifically designed to complement all types of decor, whilst being simple and easy to install.

The chime receivers on models DH020A-C and DH021A-C are connected to the bell push / transmitter via bell wire, they are not mains power and therefore require 3 x C cell LR14 batteries or a bell chime transformer to operate.

- ✓ **Clear sound**
- ✓ **Classic wired chime**
- ✓ **Traditional ding dong sound**
- ✓ **1 Year Guarantee**

## Mains Powered Wired Doorchime Kit

### DHT01AN

#### 'Embassy'

230V AC 50Hz

Low Tone 78dBA / High Tone 83dBA

Complete with integral transformer & bell push  
(Bell wire not supplied)

**Not suitable for use with illuminated bell pushes**

H170 x W105 x D48mm



## Battery Powered Wired Doorchimes

### DH020A

#### 'Galaxy'

78dBA

Battery or 8V Transformer Operation

Requires 3 x C cell LR14 batteries

H170 x W112 x D52mm

### DH021A

#### 'Tubular'

78dBA

Battery or 8V Transformer Operation

Requires 3 x C cell LR14 batteries

H170 x W112 x D52mm



**Bell Pushes**

Use these bell pushes with any wired doorchime by connecting with bell wire. These pushes can also be used with a majority of wireless doorchimes.

- ✓ **Illuminated bell pushes DPL03A-C & DPL04A-C can only be used with wired doorchime DH020A-C and DH021A-C**
- ✓ **1 Year Guarantee**



	DP010A-C	DP020A	DP220A	DPL03A	DPL04A
<b>Product Finish</b>	Black	White	White	Black	White
<b>Description</b>	Black body White button	White body Black button	White body white button with Black outline	Black body White button Illuminating button (Only compatible with wired door- chimes DH020A-C & DH021A-C)	White body White buttons Illuminating button (Only compatible with wired doorchimes DH020A-C & DH021A-C)
<b>Product Dimensions</b>	H60 x W30 x D20mm	H60 x W30 x D20mm	H52 x W22 x D15mm	H60 X W30 X D20mm	H60 x W30 x D20mm
<b>Guarantee</b>	1 Year				



# DOORCHIME RANGE

## Bell Transformers

### DAT01A

#### 1A Bell Chime Transformer

Double insulated

4/8/12 V AC output, 1A secondary output

1A, double insulated bell & chime transformer. It is 230V AC primary

H76 x W54 x D41mm

Conforms to BSEN 61558-2-8



### DAT02A

#### 1A DIN Rail Mounted Bell Chime Transformer

Double insulated

4/8/12 V AC output, 1A secondary output

Double insulated bell & chime transformer

DIN Rail mounted

H91 x W36 x D65mm

Conforms to BSEN 61558-2-8



### DAT03A

#### 2A DIN Rail Mounted Bell Chime Transformer

4/8/12 V AC output, 2A secondary outputs

Triple module DIN Rail mounting

Can be surface mounted

2A double insulated bell & chime transformer with fully segregated primary and secondary connections. It is 230V primary

H91 x W53 x D65mm

Conforms to BSEN 61558-2-8



SafetySure Sockets are available in switched or unswitched versions, they have separate test and reset buttons and are available in white plastic or metalclad. SafetySure RCD Fused Connection Units have separate test and reset buttons and are available in white plastic or metalclad. SafetySure RCD products fully conform to British Standards.

- ✓ Mechanical flag trip indicators
- ✓ Mechanically latched (Passive) - no need to reset after a power loss
- ✓ All products have separate 'Test' & 'Reset' buttons
- ✓ Metalclad all supplied with metal back boxes
- ✓ 1 Year Guarantee

## Switched Sockets



TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Operating current	13A (3A inductive)
Rated Trip current	30mA
Typical Trip Speed	<40mS
RCD contact break	Double Pole
Conforms to	BS 7288:2016 & BS 1363

**M22SW**  
**RCD Switched Socket**  
 White  
 H86.5 x W147 x D35mm  
 (16mm surface projection)  
 Pack Qty 1

**M22SM**  
**RCD Switched Socket**  
 Metalclad  
 H86.5 x W147 x D50mm  
 Pack Qty 1

## Unswitched Sockets



**M22W**  
**RCD Unswitched Socket**  
 White  
 H86.5 x W147 x D35mm  
 (16mm surface projection)  
 Pack Qty 1

**M22M**  
**RCD Unswitched Socket**  
 Metalclad  
 H86.5 x W147 x D50mm  
 Pack Qty 1

## RCD Fused Connection Units



**M92W**  
**RCD Fused Connection Unit**  
 White  
 H86.5 x W86.5 x D37mm  
 (16mm surface projection)  
 Pack Qty 1

**M92M**  
**RCD Fused Connection Unit**  
 Metalclad  
 H87 x W87 x 507mm (inc. back box)  
 Pack Qty 1

## RCD Plug

- ✓ Suitable for use with all makes of electrical and gardening appliances
- ✓ Electrically latched - will need to be reset after power loss
- ✓ Cuts the power for added protection against electrocution
- ✓ All products have a separate 'Test' & 'Reset' buttons
- ✓ Clear indicator window, flags Orange when 'On'

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Operating current	13A
Rated Trip current	30mA
Typical Trip Speed	Less than 40mS (typical)
RCD Contact Break	Double Pole
Conforms to	BS 7071 & BS 1363



**RCDP**  
**RCD Plug**

White  
H123 x W49.5 x 54mm  
(not inc. cable gland 24mm)  
Pack Qty 1

## RCD Adaptor & In-Line

- ✓ Suitable for use with all makes of electrical and gardening appliances
- ✓ Electrically latched (Active) - reset on power loss
- ✓ Cuts the power for added protection against electrocution
- ✓ Large, clear indicator window, flags red when "on"
- ✓ No need to remove from socket to reset unit (RCDA-C)
- ✓ 1 Year Warranty

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
Max Operating current	13A (3A inductive) 4A inductive for RCDA-C)
Rated Trip current	30mA
Typical Trip Speed	<40mS (typical)
RCD Contact Break	Double Pole

**RCDL**  
**Heavy Duty In-Line RCD**

IP55 Rated, 4A inductive  
Fully portable  
Pack Qty 1



**RCDA**  
**RCD Adaptor**

IP40 Rated  
H140 x W59 x D46mm  
Pack Qty 1

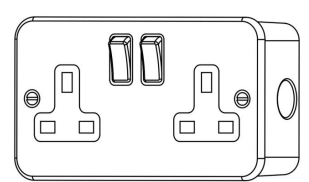
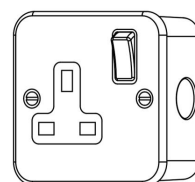
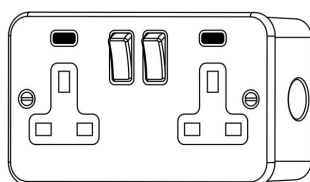
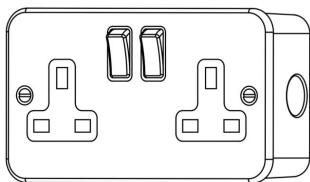
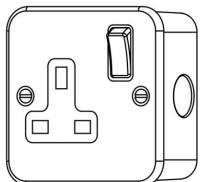


## Metalclad 13A Sockets

- ✓ Robust steel construction
- ✓ Surface and flush mounting options
- ✓ Metal back box supplied as standard



	MCSOSS	MCSOST	MCSUSB	MCSOSD1	MCSOSD2
<b>Description</b>	13A Single Switched Socket	13A Twin Switched Socket	13A Twin Switched Socket with Type A USB Charging Ports 3.1A (1 x 2100mA & 1 X 1000mA)	13A Single Switched Socket	13A Twin Switched Socket
<b>Rating</b>	13 Amp , 250V~50Hz				
<b>Pack Quantity</b>	5				
<b>Barcode</b>	5012739647222	5012739647239	5012739653858	5012739647246	5012739647253
<b>Switch Type</b>	Single Pole			Double Pole	
<b>Terminal Capacity</b>	3 x 2.5mm <sup>2</sup> , 3 x 4.0mm <sup>2</sup> , 2 x 6.0mm <sup>2</sup>				
<b>Class</b>	Class1 - Front plate must be earthed				
<b>IP Rating</b>	IP2XD				
<b>Ambient Operating Temp</b>	-5° to +40°C				
<b>Fixing Centres</b>	60.3mm	120.6mm	120.6mm	60.3mm	120.6mm
<b>Knock-outs</b>	5	8	8	5	8
<b>Flush Mounted Box Depth</b>	25mm				
<b>Back Box Depth</b>	40mm				
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm	81 x 142 x 4m	81 x 142 x 4m	81 x 81 x 4mm	81 x 142 x 4mm
<b>Conforms To</b>	BS 1363				

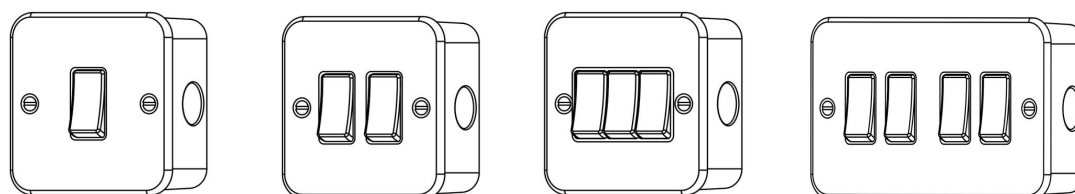


## Metalclad 10AX Switches

- ✓ Robust steel construction
- ✓ Surface and flush mounting options
- ✓ Metal back box supplied as standard



	MCSW12	MCSW22	MCSW32	MCSW42
<b>Description</b>	10AX Switch - 1 Gang	10AX Switch - 2 Gang	10AX Switch - 3 Gang	10AX Switch - 4 Gang
<b>Rating</b>	10A(X) Amp , 250V~50Hz			
<b>Pack Quantity</b>	5			
<b>Barcode</b>	5012739647161	5012739647178	5012739647185	5012739647192
<b>Switch Type</b>	Single Pole			
<b>Terminal Capacity</b>	4 x 1.0mm <sup>2</sup> , 4 x 1.5mm <sup>2</sup> , 2 x 2.5mm <sup>2</sup> , 1 x 4.0mm <sup>2</sup>			
<b>Class</b>	Class1 - Front plate must be earthed			
<b>IP Rating</b>	IP2XD			
<b>Ambient Operating Temp</b>	-5° to +40°C			
<b>Fixing Centres</b>	60.3mm			120.6mm
<b>Knock-outs</b>	5			8
<b>Flush Mounted Box Depth</b>	25mm			
<b>Back Box Depth</b>	40mm			
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm			81 x 142 x 4mm
<b>Conforms To</b>	BS EN 60669-1			

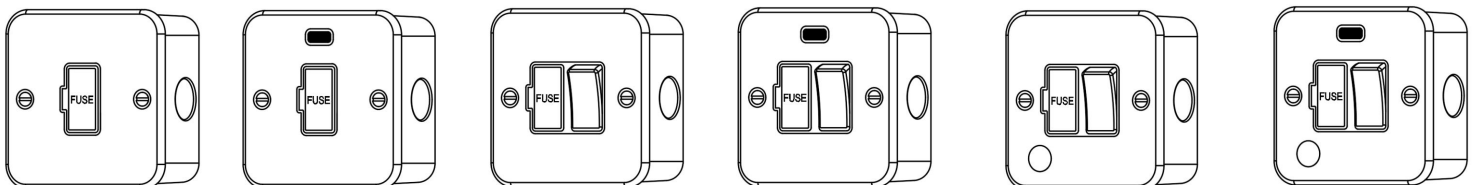


# Metalclad 13A Fused Connection Units

- ✓ Robust steel construction
- ✓ Surface and flush mounting options
- ✓ Metal back box supplied as standard



	MCSPU	MCSPUN	MCSPS	MCSPSN	MCSPSFO	MCSPSFON
<b>Description</b>	13A Fused Connection Unit	13A Fused Connection Unit, with Neon	13A Switched Fused Connection Unit	13A Switched Fused Connection Unit, with Neon	13A Switched Fused Connection Unit, Flex Outlet	13A Switched Fused Connection Unit, Flex Outlet with Neon
<b>Rating</b>	13 Amp , 250V~50Hz					
<b>Pack Quantity</b>	5					
<b>Barcode</b>	5012739647260	5012739647277	5012739647284	5012739647291	5012739647307	5012739647314
<b>Switch Type</b>	Double Pole					
<b>Terminal Capacity</b>	3 x 2.5mm <sup>2</sup> , 3 x 4.0mm <sup>2</sup> , 2 x 6.0mm <sup>2</sup> (L&N) / 3 x 2.5mm <sup>2</sup> , 2 x 4.0mm <sup>2</sup> , 1 x 6.0mm <sup>2</sup> (Earth)					
<b>Class</b>	Class1 - Front plate must be earthed					
<b>IP Rating</b>	IP2XD					
<b>Ambient Operating Temp</b>	-5° to +40°C					
<b>Fixing Centres</b>	60.3mm					
<b>Knock-outs</b>	5					
<b>Flush Mounted Box Depth</b>	25mm					
<b>Back Box Depth</b>	40mm					
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm					
<b>Conforms To</b>	BS 1363					

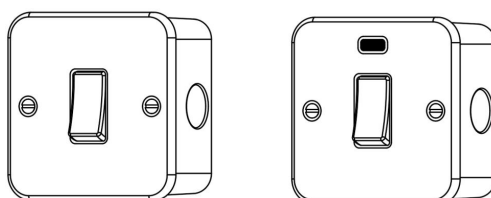


## Metalclad 20A Double Pole Switches

- ✓ Robust steel construction
- ✓ Surface and flush mounting options
- ✓ Metal back box supplied as standard



	MCSWDP1	MCSWDP1N
<b>Description</b>	20A Double Pole Switch	20A Double Pole Switch with Neon
<b>Rating</b>	20 Amp , 250V~50Hz	
<b>Pack Quantity</b>	5	
<b>Barcode</b>	5012739647208	5012739647215
<b>Switch Type</b>	Double Pole	
<b>Terminal Capacity</b>	3 x 2.5mm <sup>2</sup> , 3 x 4.0mm <sup>2</sup> , 2 x 6.0mm <sup>2</sup> ( <b>L&amp;N</b> ) / 3 x 2.5mm <sup>2</sup> , 2 x 4.0mm <sup>2</sup> , 1 x 6.0mm <sup>2</sup> ( <b>Earth</b> )	
<b>Class</b>	Class1 - Front plate must be earthed	
<b>IP Rating</b>	IP2XD	
<b>Ambient Operating Temp</b>	-5° to +40°C	
<b>Fixing Centres</b>	60.3mm	
<b>Knock-outs</b>	5	
<b>Flush Mounted Box Depth</b>	25mm	
<b>Back Box Depth</b>	40mm	
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm	
<b>Conforms To</b>	BS EN 60669-1	

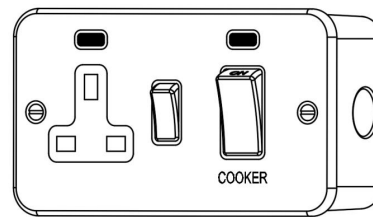
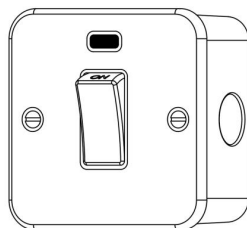


## Metalclad 45A Switchesw

- ✓ Robust steel construction
- ✓ Surface and flush mounting options
- ✓ Metal back box supplied as standard



	MCRSN	MCCO2
<b>Description</b>	45A Switch, with Neon	45A Cooker Outlet Unit
<b>Rating</b>	45 Amp , 250V~50Hz	
<b>Pack Quantity</b>	5	
<b>Barcode</b>	5012739647376	5012739647369
<b>Switch Type</b>	Double Pole	
<b>Terminal Capacity</b>	4 x 4.0mm <sup>2</sup> , 3 x 6.0mm <sup>2</sup> , 1 x 16.0mm <sup>2</sup> ( <b>L&amp;N</b> ) / 3 x 2.5mm <sup>2</sup> , 2 x 4.0mm <sup>2</sup> , 1 x 6.0mm <sup>2</sup> ( <b>Earth</b> )	
<b>Class</b>	Class1 - Front plate must be earthed	
<b>IP Rating</b>	IP2XD	
<b>Ambient Operating Temp</b>	-5° to +40°C	
<b>Fixing Centres</b>	60.3mm	
<b>Knock-outs</b>	5	8
<b>Back Box Depth</b>	40mm	
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm	81 x 142 x 4mm
<b>Conforms To</b>	BS EN 60669-1 (BS 4177 MCCO2)	





## Metalclad Blanking Plates & Back Boxes

- ✓ Fits Norslo Metalclad Range
- ✓ Robust steel construction
- ✓ 1 gang & 2 gang with Brass earth terminal



	MCCP1	MCCP2	MCB1	MCB2
<b>Description</b>	1 Gang Cover Plate	2 Gang Cover Plate	1 Gang Back Box	2 Gang Back Box
<b>Pack Quantity</b>	20	10	5	5
<b>Barcode</b>	5012739647321	5012739647345	5012739647338	5012739647352
<b>Terminal Capacity</b>	3 x 2.5mm <sup>2</sup> , 2 x 4.0mm <sup>2</sup> , 1 x 6.0mm <sup>2</sup> <b>Earth</b>			
<b>Class</b>	Class1 - Front plate must be earthed			
<b>IP Rating</b>	IP2XD (when assembled)			
<b>Fixing Centres</b>	60.3mm	120.6mm	60.3mm	120.6mm
<b>Dimensions Plate Thickness L x H x W</b>	81 x 81 x 4mm	81 x 142 x 4mm	81 x 81 x 40mm	81 x 142 x 40mm
<b>Conforms To</b>	BS4662			



Traditional single and double gang dual voltage shaver sockets suitable for bathroom use.

- ✓ One shot thermal protection
- ✓ Accepts British and Continental plugs
- ✓ Auto switching shutters - prevents two plugs being inserted at the same time
- ✓ 1 Year Guarantee

Power saving only  
**ON** when plug is inserted

## TECHNICAL INFORMATION

20VA double wound transformer

**Voltage** 230V AC 115/230V AC

**Conforms to** BS EN 61558-1 & BS EN 61558-2-5

## Double Gang

### SHAS

#### Double Gang Shaver Socket

Curved front face  
Manufactured in High Gloss  
Thermoplastic - White  
H146 x W85 x D49mm  
Pack Qty 1



### P17

#### Double Gang Shaver Socket

Flat front face - White  
Scratch Resistant Urea  
Dual Voltage  
H148 x W87 x D49mm  
Pack Qty 1



### P17C

#### Double Gang Shaver Socket

Flat front face - Chrome  
Scratch Resistant Urea  
Dual Voltage  
H147 x W88 x D49mm  
Pack Qty 1



## Single Gang

### HS1

#### Single Gang Shaver Socket

with standard White front plate  
Manufactured in High Gloss Thermoplastic  
Dual Voltage  
H86 x W86 x D73mm  
Pack Qty 1





Our Tubular Heaters and Guards are designed for wall mounting - Ideal for use in all types of outbuildings.

- ✓ **Wall fixings included, cable length 1M**
- ✓ **Instant start**
- ✓ **Guards available to fit all heaters**
- ✓ **Heater fitted with internal thermal cut-out to prevent overheating, will reset as unit cools**
- ✓ **1 Year Guarantee**

**TUBH1  
60W**

Can connect up to 1000W  
1ft  
L308mm x 55.4mm

**TUBH2  
120W**

Can connect up to 1000W  
2ft  
L612mm x 55.4mm

**TUBH3  
180W**

Can connect up to 1000W  
3ft  
L904mm x 55.4mm

**TUBH4  
240W**

Can connect up to 1000W  
4ft  
L1221mm x 55.4mm

**TUBH5  
300W**

Can connect up to 1000W  
5ft  
L1519mm x 55.4mm

**TUBH6  
360W**

Can connect up to 1000W  
6ft  
L1823mm x 55.4mm



## Tubular Guards

Our single Tubular Guards are designed to protect against the heating surface of GreenBrook's Tubular Heaters in environments with young children, elderly people or pets.

- ✓ **Easy to install**
- ✓ **Powder coated, steel construction**
- ✓ **1 Year Guarantee**



**TUBG11NN**

**Tubular Guard to fit TUBH1TH & TUBH1**

1ft  
L400mm x 190mm  
(including fixing holes)

**TUBG31NN**

**Tubular Guard to fit TUBH3TH & TUBH3**

3ft  
L1000mm x 190mm  
(including fixing holes)

**TUBG51NN**

**Tubular Guard to fit TUBH5TH & TUBH5**

5ft  
L1600mm x 190mm  
(including fixing holes)

**TUBG21NN**

**Tubular Guard to fit TUBH2TH & TUBH2**

2ft  
L700mm x 190mm  
(including fixing holes)

**TUBG41NN**

**Tubular Guard to fit TUBH4TH & TUBH4**

4ft  
L1300mm x 190mm  
(including fixing holes)

**TUBG61NN**

**Tubular Guard to fit TUBH6TH & TUBH6**

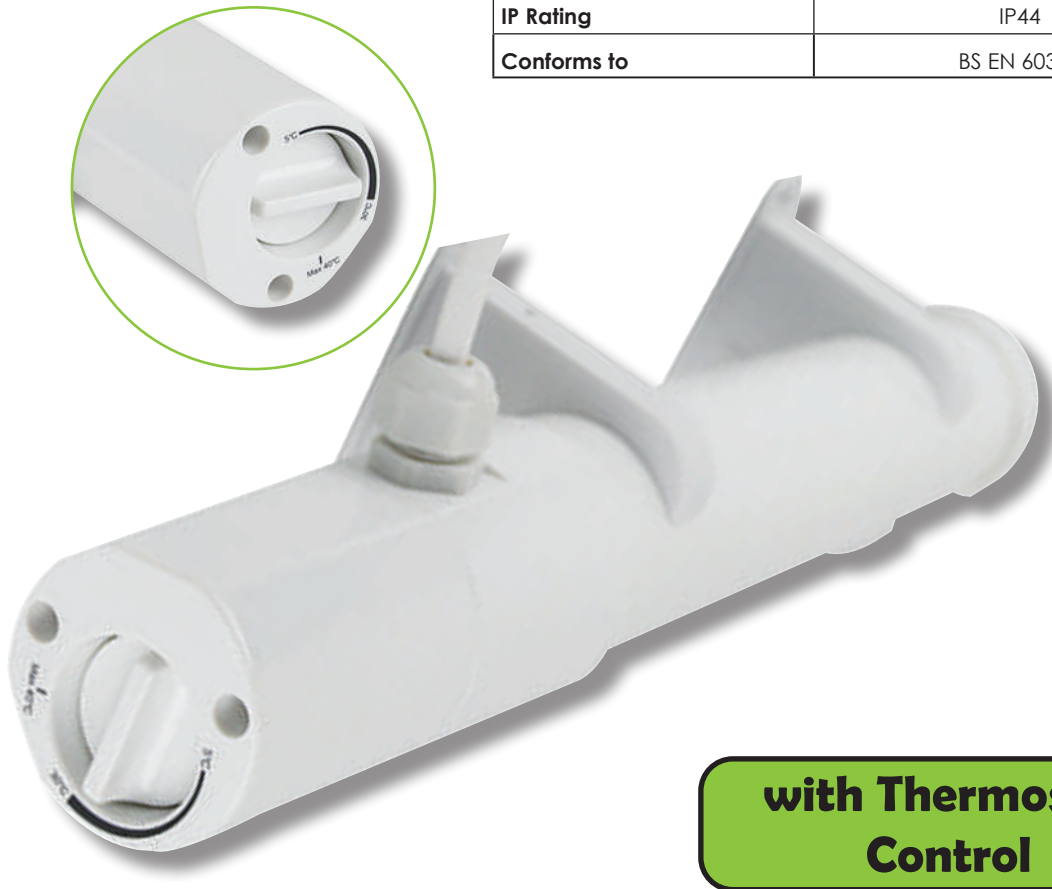
6ft  
L1900mm x 190mm  
(including fixing holes)

# TUBULAR HEATERS - With Thermostats

Our Tubular Heaters and Guards are designed for wall mounting - Ideal for use in all types of outbuildings. The Thermostat range has built-in adjustable thermostat with a range from 5°C to 40°C.

- ✓ **Wall fixings included, cable length 1M**
- ✓ **Heater fitted with internal thermal cut-out to prevent overheating, will reset as unit cools**
- ✓ **Guards available to fit all heaters**
- ✓ **Wide choice of sizes available - 1ft to 6ft**
- ✓ **1 Year Guarantee**

TECHNICAL INFORMATION	
Voltage	230V AC ~ 50Hz
IP Rating	IP44
Conforms to	BS EN 60335



**TUBH1TH**  
**60W With Thermostat**  
 1ft  
 L364mm x 55.4mm

**TUBH4TH**  
**240W With Thermostat**  
 4ft  
 L1276mm x 55.4mm

**TUBH2TH**  
**120W With Thermostat**  
 2ft  
 L667mm x 55.4mm

**TUBH5TH**  
**300W With Thermostat**  
 5ft  
 L1574mm x 55.4mm

**TUBH3TH**  
**180W With Thermostat**  
 3ft  
 L959mm x 55.4mm

**TUBH6TH**  
**360W With Thermostat**  
 6ft  
 L1878mm x 55.4mm



**TUBHUB**  
**Thermostat Brackets**

# AIR CURTAIN

The Air Curtain unit is designed for easy installation and can be wall or ceiling mounted. Featuring three air settings: fan only, warm air (1500W) or hot air (3000W), it also includes a mounting bracket so angle can be adjusted.

This unit is ideal for providing a heated air curtain if mounted over doorways and reduces draughts and the discomfort of cold air when doors are opened.

- ✓ **Fan only / 1500W / 3000W Settings**
- ✓ **Wall or ceiling mounted**
- ✓ **Overheat protection**
- ✓ **Metal case**
- ✓ **Mounting bracket included**
- ✓ **1 Year Guarantee**

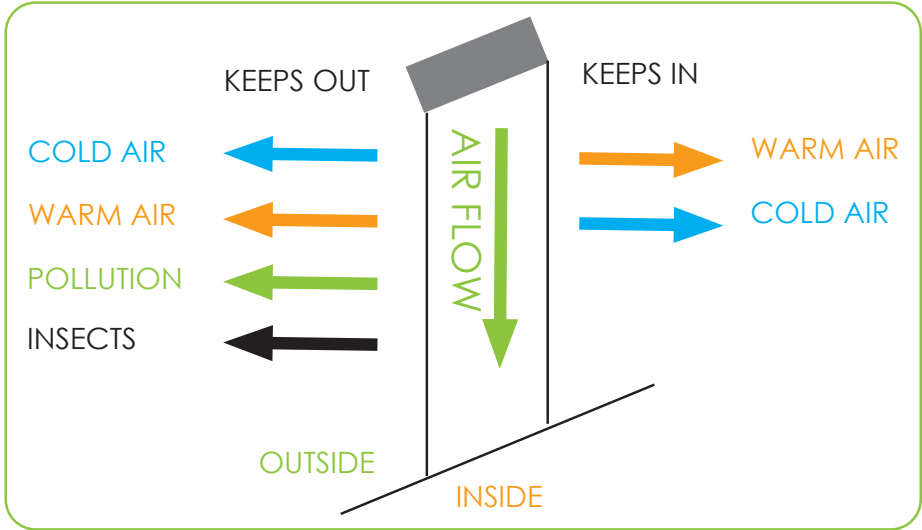
**Featuring three air settings:  
fan only, warm air (1500W)  
or hot air (3000W)**

TECHNICAL INFORMATION	
<b>Voltage</b>	230 - 240V AC ~ 50Hz
<b>Class</b>	1
<b>Conforms to</b>	EN 60335-2-30, EN 60335-1 & EN 62233



**AC3000N - Air Curtain**

Two Heat Settings 1.5kW - 3kW  
L580 x W205.5 x H104.5mm



This range of Socket Converters are an ideal way of gaining extra sockets the GB122W converts a single socket into a twin, and the GB223W converts a twin socket into a triple.

✓ **1 Year Guarantee**

## TECHNICAL INFORMATION

Conforms to

BS 1363

## 1 to 2 Socket Converter

**GB122W**

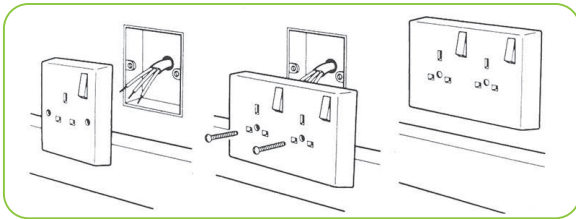
**Box Packed**

**1 to 2 Socket Converter**

Converts a single socket to a twin

Replaces existing single socket

Pack Qty 1



## 2 to 3 Socket Converter

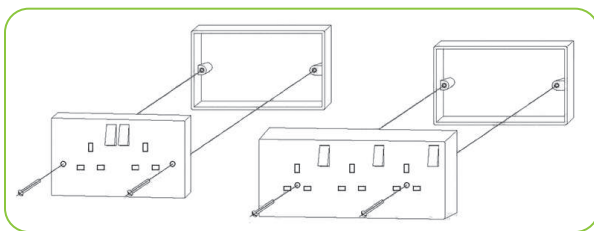
**GB223W**

**2 to 3 Socket Converter**

Converts a Twin Socket to a triple Socket

Clam Packed

Pack Qty 5



## 4 Gang Extension Lead

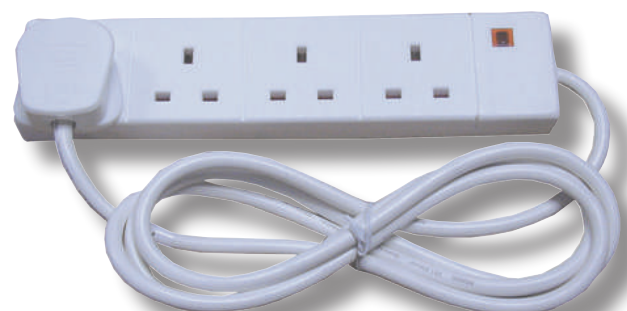
**1119**

**13A, 4 Gang Extension Lead with  
neon power-on Indicator**

1.6M cable

Poly bag packed

Pack Qty 1



**Plug Tops**

- ✓ Solid brass pins
- ✓ Screw down cable clamp
- ✓ Tough nylon construction
- ✓ 1 Year Guarantee

**TECHNICAL INFORMATION**

Conforms to	BS 1363
-------------	---------



**PT13WN**  
**13A Plug Top**  
White  
Pack Qty 20



**PT13BN**  
**13A Plug Top**  
Black  
Pack Qty 20



**PT13W-5AN**  
**13A Plug Top**  
Supplied with a 5A Fuse  
White  
Pack Qty 20



**PT13B-5AN**  
**13A Plug Top**  
Supplied with a 5A Fuse  
Black  
Pack Qty 20



**PT13W-3AN**  
**13A Plug Top**  
Supplied with a 3A Fuse  
White  
Pack Qty 20



**PT13B-3AN**  
**13A Plug Top**  
Supplied with a 3A Fuse  
Black  
Pack Qty 20

**Fuses**



<b>2AF</b>	2A
<b>3AF</b>	3A
<b>5AF</b>	5A
<b>7AF</b>	7A
<b>10AF</b>	10A
<b>13AF</b>	13A

Cartridge Fuses with ceramic body  
1" long  
Conforms to BS 1362  
Pack Qty 100



The Europlug converts 2.5A Europlug and German Schuko to 13A BS type.

The Europlug clips into the 13A Euro converter plug terminals quickly and securely making life easier for UK consumers or importers buying standard electrical equipment abroad.

There is a choice of **Non Returnable** (tamper-proof) this refers to the screws used to secure the plug cover.

- A non returnable screw can only be screwed in once and will not undo for security/safety purposes.

Or **Returnable**

- A returnable screw can be screwed and unscrewed as many times as required.

✓ **1 Year Guarantee**

TECHNICAL INFORMATION	
Conforms to	BS 1363, BS 5733



**ECP-WNR-3A**  
**3A Non Returnable**  
 White  
 Pack Qty 1



**ECP-BNR-3A**  
**3A Non Returnable**  
 Black  
 Pack Qty 1



**ECP-BNR-5A**  
**5A Non Returnable**  
 Black  
 Pack Qty 1



**ECP-WR-3A**  
**3A Returnable**  
 White  
 Pack Qty 1



**ECP-BR-5A**  
**5A Returnable**  
 Black  
 Pack Qty 1



**SCP-B-13A**  
**Schuko Converter Plug**  
 13A  
 Black  
 Pack Qty 1



**SCP-B-10A**  
**Schuko Converter Plug 10A**  
**Non earth converter**  
 Black  
 Pack Qty 1

- ✓ Available in 1 and 2 gang
- ✓ 1 Year Guarantee

**TECHNICAL INFORMATION**

Conforms to

BS 1363

## 2 Gang Trailing Socket

**TS2W****Trailing Socket - Rubber**

2 Gang

White

Pack Qty 10

**TS2B****Trailing Socket - Rubber**

2 Gang

Black

Pack Qty 10



## 1 Gang Trailing Socket

**TS1W****Trailing Socket - Rubber**

1 Gang

White

Pack Qty 10

**TS1B****Trailing Socket - Rubber**

1 Gang

Black

Pack Qty 10



## Pull Cord Switch

✓ 1 Year Guarantee

TECHNICAL INFORMATION	
Product Finish	White
Dimensions	83mm Dia
Weight	95g
Barcode	5012739619823
Wattage	1380W
Pack Qty	10
Max operating current	6A, 2 way
Main housing material	Urea
Certification & Conformity	BS EN 60669-1
Guarantee	1 Year

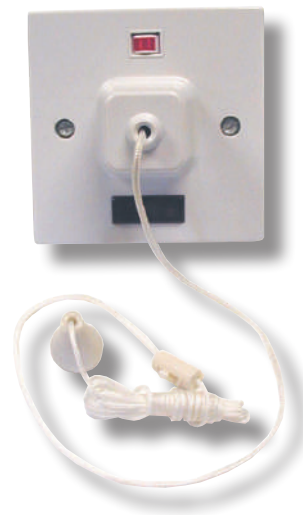


**GB2641**  
**Pull Cord Switch**  
 6A, 2 Way  
 Pack Qty 10

## 45A DP Switch with neon

✓ 1 Year Guarantee

TECHNICAL INFORMATION	
Product Finish	White
Dimensions	86mm x 86mm
Weight	197g
Barcode	5012739619687
Wattage	10350W
Pack Qty	10
Max operating current	45A, DP
Main housing material	Urea
Certification & Conformity	BS EN 60669-1
Guarantee	1 Year



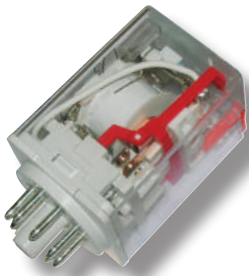
**GB2319**  
**45A DP Switch with neon**  
 Uses GB2667 Pattress  
 Pack Qty 10

# PLUG-IN RELAYS AND BASES - Round Footprint

Ideal for controlling domestic and light industrial loads including Heaters, Pumps and Motors. These Relays and Bases are industry standard parts and generally suitable replacements for Tyco, Omron and IMO components of similar style.

- ✓ **2 and 3 pole - Round Terminal Footprint**
- ✓ **With LED / flag / button as standard**
- ✓ **For 35mm DIN Rail**

TECHNICAL INFORMATION	
<b>2 Pole</b>	10A (2A Inductive) 250V AC
<b>3 Pole</b>	10A (2A Inductive) 250V AC
<b>IP Rating</b>	IP40
Contact material is silver alloy	
<b>Contact rating</b>	10A 250V AC
<b>AC coil consumption</b>	24V to 230V AC - 1.2VA
<b>DC coil consumption</b>	24V DC - 0.9W
Complies with UL/CSA	



### 2 Pole changeover relay

Pk Qty 5

H69 x W38 x D36mm

**PRR208-24AC** 8 Pin, 24V AC

**PRR208-24DC** 8 Pin, 24V DC

**PRR208-115AC** 8 Pin, 115V AC

**PRR208-230AC** 8 Pin, 230V AC

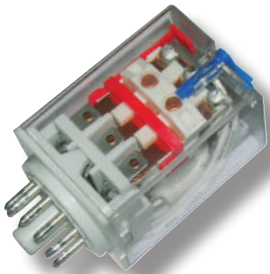


### PRRB8

#### 8 Pin DIN Rail base for 2 Pole changeover relay

Pk Qty 10

H26 x W62 x D38mm



### 3 Pole changeover relay

Pk Qty 5

H69 x W36 x D38mm

**PRR311-24AC** 11 Pin, 24V AC

**PRR311-24DC** 11 Pin, 24V DC

**PRR311-115AC** 11 Pin, 115V AC

**PRR311-230AC** 11 Pin, 230V AC



### PRRB11

#### 11 Pin DIN Rail base for 3 Pole changeover relay

Pk Qty 10

H26 x W62 x D38mm

# PLUG-IN RELAYS AND BASES - Square Footprint

Ideal for controlling domestic and light industrial loads including Heaters, Pumps and Motors. These Relays and Bases are industry standard parts and generally suitable replacements for Tyco, Omron and IMO components of similar style.

- ✓ **2 and 4 - Square Terminal Footprint**
- ✓ **With LED / flag / button as standard**
- ✓ **For 35mm DIN Rail**

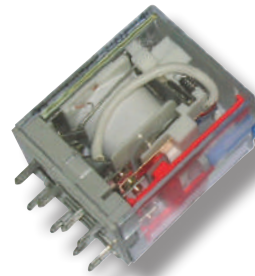
TECHNICAL INFORMATION	
<b>2 Pole</b>	10A (2A Inductive) 250V AC
<b>4 Pole</b>	5A (1A Inductive) 250V AC
<b>IP Rating</b>	IP40
Contact material is silver alloy	
<b>Contact rating</b>	2 pole is 10A 250V AC, 4 pole is 5A 250V AC
<b>AC coil consumption</b>	24V to 230V AC - 1.2VA
<b>DC coil consumption</b>	24V DC - 0.9W
Complies with UL/CSA	

## 2 Pole changeover relay

Pk Qty 5

H43 x W27 x D21mm

<b>PRS208-24AC</b>	8 Pin, 24V AC
<b>PRS208-24DC</b>	8 Pin, 24V DC
<b>PRS208-115AC</b>	8 Pin, 115V AC
<b>PRS208-230AC</b>	8 Pin, 230V AC

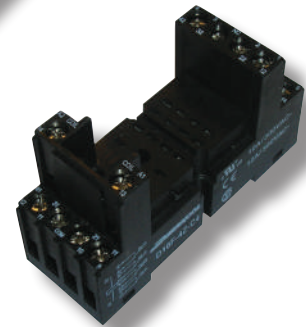


## PRSB8

### 8 Pin DIN Rail base for 2 Pole changeover relay

Pk Qty 10

H43 x W75 x D27mm

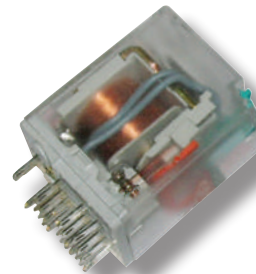


## 4 Pole changeover relay

Pk Qty 5

H43 x W27 x D21mm

<b>PRS414-24AC</b>	14 Pin, 24V AC
<b>PRS414-24DC</b>	14 Pin, 24V DC
<b>PRS414-115AC</b>	14 Pin, 115V AC
<b>PRS414-230AC</b>	14 Pin, 230V AC

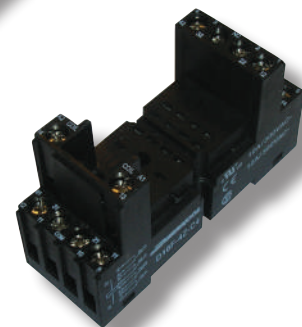


## PRSB14

### 14 Pin DIN Rail base for 4 Pole changeover relay

Pk Qty 10

H43 x W75 x D27mm





## Combination Ladder - Fibre Glass

- ✓ Adjustable positions (3 way)
- ✓ Fully adjustable to 4242mm
- ✓ Anti-slip rungs
- ✓ Slip resistant feet for greater safety
- ✓ 150kg static load
- ✓ Closed Height 2M
- ✓ Weight 16kg

Part No	Description	Product Info	Pack Qty
LADC	21 Step Combination Ladder	No of steps 21 Yellow Fibre Glass 16kg	1



Max Load  
150kg



	Length (mm)	Height (mm)	Weight (Kg)
	-	2002	16Kg
	-	4242	16Kg
	1365	2950	16Kg

**Swing-back Ladder Range**

**BS EN131 Professional Use - Fibreglass Step Ladders**

The versatile and durable range of swing-back ladders in fibreglass and with an aluminium work platform. Built for use in tough environments and designed to handle the wide variety of tasks required on a job-site, whilst ensuring optimum safety and convenience for the user.

- ✓ Fibreglass ladder rails are non-conductive - safer for working around electricity
- ✓ Lightweight, strong, heat and weather resistant
- ✓ Durable - offers excellent resistance to denting and bending
- ✓ Safety secure tools at working height using the multi-functional top
- ✓ Non slip steps and rubber non-slip feet for greater safety
- ✓ Confirms to BS EN-131-1-2-3 for professional use
- ✓ Voltage tested to 35,000V



Multi-Functional Top



Max Load  
150kg

Ladder Feet now with improved Grip and greater Anti slip protection

Part No	Description	Product Info	Pack Qty
LAD4	Fibre Glass No of steps 3 Useable steps 1	6.1kg Pack size - L1240 x W510 x D170mm (inc packing) Open Height - 1060mm	1
LAD5	Fibre Glass No of steps 4 Useable steps 2	7.5kg Pack size - L1540 x W535 x D170mm (inc Packaging) Open Height - 1337mm	1
LAD6	Fibre Glass No of steps 5 Useable steps 3	8.7kg Pack size - L1840 x W580 x D170mm (inc Packaging) Open Height - 1615mm	1
LAD7	Fibre Glass No of steps 6 Useable steps 4	10.5kg Pack size - L2140 x W615 x D170mm (inc Packaging) Open Height - 1893mm	1
LAD8	Fibre Glass No of steps 7 Useable steps 5	11.6kg Pack size - L2440 x W650 x D170mm (inc Packaging) Open Height - 2170mm	1
LAD9	Fibre Glass No of steps 8 Useable steps 6	13.7kg Pack size - L2740 x W690 x D170mm (inc Packaging) Open Height - 2450mm	1
LAD10	Fibre Glass No of steps 9 Useable steps 7	14.9kg Pack size - L3040 x W720 x D170mm (inc Packaging) Open Height - 2727mm	1



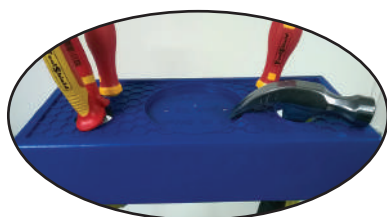
## Platform Ladder Range

### BS EN131 Professional Use - Fibreglass Platform Ladders

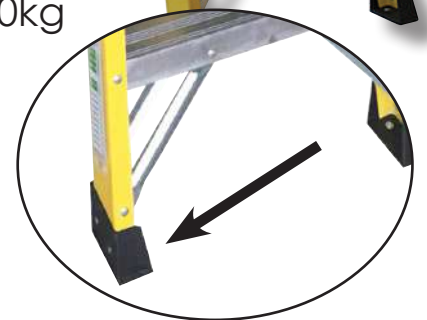
The versatile and durable range of ladders in fibreglass and with an aluminium work platform. Built for use in tough environments and designed to handle the wide variety of tasks required on a jobsite, whilst ensuring optimum safety and convenience for the user.

- ✓ **Fibreglass ladder rails are non-conductive - safer for working around electricity**
- ✓ **Lightweight, strong, heat and weather resistant**
- ✓ **Durable - offers excellent resistance to denting and bending**
- ✓ **Safely secure tools at working height using the multi-functional top**
- ✓ **Non slip steps and rubber non-slip feet for greater safety**
- ✓ **Conforms to BS EN-131-1-2-3 for professional use**
- ✓ **Voltage tested to 35,000V**

Part No	Description	Product Info	Pack Qty
LADP4	Fibre Glass No of steps 3 + Platform	8.8kg Pack size - L1740 x W530 x D170mm (inc packing) Open Height - 1.57M	1
LADP6	Fibre Glass No of steps 5 + Platform	11.0kg Pack size - L2240 x W600 x D170mm (inc Packaging) Open Height - 2.03M	1
LADP8	Fibre Glass No of steps 7 + Platform	11.6kg Pack size - L2490 x W630 x D170mm (inc Packaging) Open Height - 2.27M	1
LADP9	Fibre Glass No of steps 8 + Platform	15.9kg Pack size - L2990 x W690 x D170mm (inc Packaging) Open Height - 2.74M	1



Multi-Functional Top

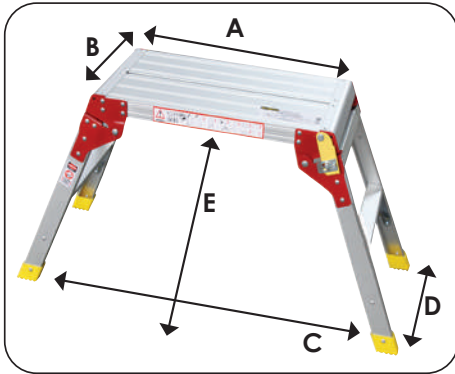
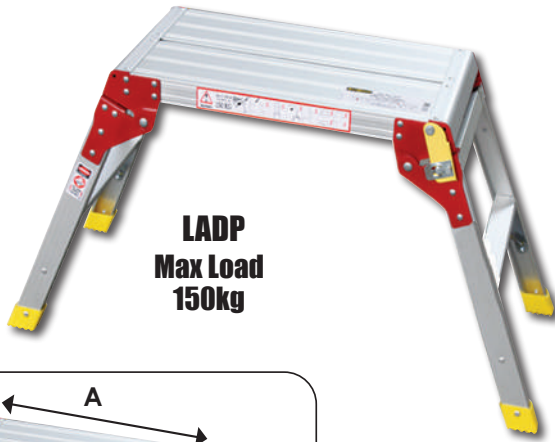


Ladder Feet now with improved grip and greater Anti slip protection

**Work Platform**

- Aluminium

- ✓ Lightweight & strong
- ✓ Durable, tough aluminium material
- ✓ Easy to store & transport
- ✓ Non-slip platform & gripping feet for greater safety



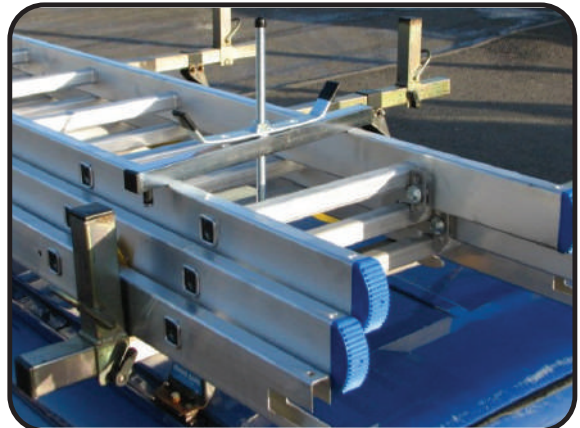
LADP	
<b>Description</b>	500 x 300 Work Platform
<b>Barcode</b>	5012739639630
<b>Platform Material</b>	Aluminium
<b>Leg &amp; Feet Material</b>	Aluminium Legs & Rubber Feet
<b>Product Weight</b>	4.65kg
<b>Guarantee</b>	1 Year

Key	Size mm	LADP
<b>Platform Length</b>	<b>A</b>	<b>500</b>
<b>Platform Width</b>	<b>B</b>	<b>300</b>
<b>Open Length</b>	<b>C</b>	<b>965</b>
<b>Open Width</b>	<b>D</b>	<b>390</b>
<b>Platform Height</b>	<b>E</b>	<b>480</b>

**Ladder Clamp**

The Ladder Clamp set is a safe and easy way of securing ladders to vehicle roof racks.  
 - Frees up valuable interior space, secures/locks ladders safely preventing theft risks.  
 The LADCLAMP is suitable for use with the full Ladder Range.

Part No	Description	Product Info	Pack Qty
LADCLAMPN	Ladder Clamp Set	Padlocks supplied for security	1



## Work Platforms

### - Fibre Glass / Aluminium

- ✓ Choice of two platform sizes
- ✓ Double lock / Easy Lock
- ✓ Anti-slip standing surface & rungs
- ✓ Large slip resistant feet for greater safety
- ✓ Easy to store & transport

	LADPF300	LADPF600
<b>Description</b>	300 x 600 Work Platform	600 x 600 Work Platform
<b>Barcode</b>	5012739653919	5012739653926
<b>Platform Material</b>	Aluminium	
<b>Leg &amp; Feet Material</b>	Fibre Glass Slip Resistant Feet	Fibre Glass
<b>Product Weight</b>	5.05Kg	7.7Kg
<b>Guarantee</b>	1 Year	



Key	Size mm	LADPF300	LADPF600
<b>Platform Length</b>	A	600	600
<b>Platform Width</b>	B	300	600
<b>Open Length</b>	C	955	945
<b>Open Width</b>	D	410	690
<b>Platform Height</b>	E	480	470

## Rod Kits

The Mega Set, with over 16M (52ft) of length gives you 5 different flexibility choices, making this product a very popular choice. This, combined with the extensive range of attachments, is an essential kit for anyone working with wire and cable.



Part No	Description	Product Information
CRMX	Mega Set	6 x 5mm Red Adoxim 1M Rods, 3 x 4mm Yellow Adoxim 1M Rods 3 x 6mm Black Adoxim 1M Rods, 5mm Nylon 1M Rod 5mm Glo Adoxim Swivel 1M Rod, 5mm Red Adoxim Swivel 1M Rod 4mm Yellow Adoxim Swivel 1M Rod, Flexi Lead Shape It Flexi Lead, Chain, Super Magnet Super Beam, Mini Eye & Ring, Gender Changer Domed Bullet, Flat Bullet, Tuff Hook 2 x Super Grips (6-10mm & 11-15mm) Tough Carry Tube

The Deluxe Set, with 10M (32ft) of length, gives you 4 different flexibility choices. The slimmed down version of the Mega Set offers an excellent range of functionality.



Part No	Description	Product Information
CRSD	Deluxe Set	6 x 5mm Red Adoxim 1M Rods, 2 x 4mm Yellow Adoxim 1M Rods 2 x 6mm Black Adoxim 1M Rods, Flexi Lead Super Magnet, Super Beam, Mini Eye & Ring, Gender Changer, Domed Bullet, Flat Bullet, Tuff Hook, Tough Carry Tube

## Rod Kits

The Super Six Set is the intermediate set in the Cable Rod System.



Part No	Description	Product Information
<b>CRS6</b>	Super Six Set	3 x 5mm Red Adoxim 1M Rods, 2 x 4mm Yellow Adoxim 1M Rods 6mm Black Adoxim 1M Rod, Flexi Lead Super Magnet, Mini Eye & Ring, Gender Changer Domed Bullet, Flat Bullet, Tuff Hook, Tough Carry Tube

The Standard Set has 5M (16ft) of length, which gives you 3 different flexibility choices, an ideal started kit.



Part No	Description	Product Information
<b>CRSS</b>	Standard Set	4 x 5mm Red Adoxim 1M Rods, 1 x 4mm Yellow Adoxim 1M Rod Tuff Hook, Gender Changer, Domed Bullet, Mini Eye & Ring, Flexi Lead, Tough Carry Tube

The Handy Set miniature set of rods, only 500mm in length, offers the ideal solution when working in a confined area.



Part No	Description	Product Information
<b>CRHS</b>	Handy Set	2 x 5mm Red Adoxim 0.5M Rods, 1 x 4mm Yellow Adoxim 0.5M Rod 1 x 6mm Black Adoxim 0.5M, 1 x 5mm Nylon 330mm Rod Mini Hook, Domed Bullet, Mini Eye & Ring, Tough Carry Tube

## Rod Kit

The Toolbox Set miniature set of rods, only 330mm in length, offers great flexibility in cramped areas.



Part No	Description	Product Information
<b>CRTB</b>	Toolbox Set	2 x 5mm Red Adoxim 330mm Rods, 1 x 4mm Yellow Adoxim 330mm Rod, 1 x 6mm Black Adoxim 330mm Rod, 1 x 5mm Nylon 330mm Rod, Mini Hook, Domed Bullet, Mini Eye & Ring, Tough Carry Tube

The Polymer Set is a non-conductive, shortened set of rods which is ideal when working in confined spaces. Whilst it is compatible with the standard range of SuperRod attachments, it has its own range of polymer 'Glo in the Dark' attachments. An excellent choice when working in electrically sensitive areas such as server rooms.



Part No	Description	Product Information
<b>SRPRS</b>	Polymer Set 4	1 x 5mm x 330mm Round Black Rod 1 x 5mm x 330mm Round Red Rod 1 x 5mm x 330mm Flat Red Rod 1 x 5mm 330mm Round Glow Rod Mini Eye, Domed Bullet, Mini Hook, Glow Claw, Domed Eye
<b>SRPRS8</b>	Polymer Set 8	2 x 5mm x 330mm Round Black Rod 1 x 5mm x 330mm Round Red Rod 3 x 5mm x 330mm Flat Red Rod 2 x 5mm 330mm Round Glow Rod Mini Eye, Domed Bullet, Mini Hook, Glow Claw, Domed Eye
<b>SRPRS12</b>	Polymer Set 12	4 x 5mm x 330mm Round Black Rod 1 x 5mm x 330mm Round Red Rod 5 x 5mm x 330mm Flat Red Rod 2 x 5mm 330mm Round Glow Rod Mini Eye, Domed Bullet, Mini Hook, Glow Claw, Domed Eye

# Rod Spares

Part No	Description	Product Information
<b>CRBX5</b>	Black Rod Spares	5 x 6mm Black Adoxim 1M Rods
<b>CRRX5</b>	Red Rod Spares	5 x 5mm Red Adoxim 1M Rods
<b>CRYX5</b>	Yellow Rod Spares	5 x 4mm Yellow Adoxim 1M Rods
<b>CRNX2</b>	Nylon Rod Spares 1M	2 x 1M Nylon Rods
<b>CRSNX2</b>	Nylon Rod Spares 175mm	2 x 175mm Nylon Rods
<b>CRMXBT</b>	Mega Set Bits Tube	Chain, Super Magnet Super Beam Mini Eye & Ring Gender Changer Domed Bullet Flay Bullet, Tuff Hook
<b>CRSDBT</b>	Deluxe Set Bits Tube	Super Magnet Super Beam Mini Eye & Ring Gender Changer Domed Bullet Flat Bullet, Tuff Hook
<b>CRS6BT</b>	Super Six Set Bits Tube	Mini Eye & Ring Gender Changer Super Magnet Domed Bullet Flat Bullet, Tuff Hook
<b>CRSSBT</b>	Standard Set Bits Tube	Mini Eye & Ring Gender Changer Domed Bullet Tuff Hook



# Super Grips

The most secure way to attach your cable to your rods. Super Grips are available in 5 sizes and capable of pulling either single or multiple cables. Super Grips are quicker, cleaner and more secure than tying cable to rods with tape.

- ✓ Available in 5 sizes
- ✓ Manufactured from Stainless Steel
- ✓ Quicker and cleaner than tape
- ✓ Keeps access holes neat and small



Part No	Description	Product Information
CRSK0406	Single Pack pulling sock	(4-6mm)
CRSK0610		(6-10mm)
CRSK1115		(11-15mm)
CRSK1622		(16-22mm)
CRSK2330		(23-30mm)
CRSK0415	Multi Pack Pulling Sock	(4-15mm)
CRSK0615		(6-15mm)
CRSK1630		(16-30mm)
CRSK0430		(4-30mm)

The purpose of the Double Ended Super Grip is to speed up the installation of new cables into a pre-existing installation.



Part No	Description	Product Information
CRSKD1114	SuperRod Double Ended Super Grip	Inner diameter (11-14mm)



## Inspection Mirror Kit

The inspection Mirror Kit from SuperRod features a pair of mirrors that attach to your rods via a length of Gooseneck material, making tricky jobs much easier.

Part No	Description	Product Information
SRMK	Inspection Mirror Kit	50mm Round Mirror 50mm Tall Rectangular Mirror 200mm of Steel Flexi Material



## Super Flexi Magnet

Seriously strong retrieval of any magnetic object. Combine this with its flexibility for outstanding functionality.

Part No	Description	Product Information
SFDM	Super Flexi Magnet	Retrieval of wire , chains and tools Will pick up 2.5kg



## Gooseneck Kit

Even more flexibility with the selection of different length goosenecks.

Part No	Description	Product Information
SRG3	Gooseneck Kit	2 x 230mm gooseneck 1 x 370mm gooseneck



## Super Flexi Beam

When illumination is required in an awkward situation, this attachment proves to be a real time saver. The LED torch is ideal for illuminating and inspecting difficult to view areas when installing cables e.g. cavity walls.

Part No	Description	Product Information
SRFSB	Super Flexi Beam	Ideal for illuminating and inspecting difficult to view areas when installing cables e.g. cavity walls



## In-Line Swivel

The In-Line Swivel can easily be added to the end of your Cable Rods, to accept any twists or turns in the cable during installation. This is especially important when working with data cable, as twists can damage the cable's performance. The In-Line Swivel can also be used to join Super Grips together; this is useful when replacing old cable with new.



Part No	Description	Product Information
CRSW	In-line swivel	Can be easily added to the end of your Cable Rods, to accept any twists or turns in the cable during installation

## Flexi Combi Kit

The Flexi Combi Kit is the ultimate inspection and retrieval device, combining the Super Beam and Super Magnet.



Part No	Description	Product Information
SRFCK	Flexi Combi Kit	Super Flexi Beam and Super Magnet in one flexible kit

## Gliders



Part No	Description	Product Information
SRGLIDE	Glider	The Super Grip and Super Beam can be attached to the Glider, further increasing the functionality of the product
SRGLIDEX2	Glider x 2	Ideal when guiding over uneven surfaces, perfect for aerial installations
SRGLIDER-P	Glo Glider	Luminescent version of Glider

## Super Bullet Kit

Part No	Description	Product Information
CRSBK	Super Bullet Kit	The latest innovative attachment pack, contains - Domed Bullet, Flat Bullet, Spike Bullet and Magnetic Bullet



## Super Beam

Illuminate any dark space with this highly useful torch attachment. The Super Beam is a self contained LED torch that can fix onto any of your Cable Rods. This brilliant little attachment turns your Cable Rod set into an instant inspection tool. It can also be used to locate the end of the rods within voids.

Part No	Description	Product Information
CRSB	Super Beam	A self-contained LED torch that can fix onto any of your Cable Rods
CRRB	Replacement Batteries	-



## Brush Pairs

Use the Brush Pair in conjunction with your Cable Rod set to clear away debris and blockages in conduit, drain pipes and flues. The Brush Pair comes in two different sizes, enabling you to clean different diameters of pipe.

Part No	Description	Product Information
CRBR2550	Brush Pair	1 x 25mm diameter (0.35 filament) 1 x 50mm diameter (0.90 filament)



## The Claw

Use two attachments at once to route and retrieve. The Claw is a double-headed attachment to enable the use of two attachments instead of one. For example, you could use the Super Beam with a Tuff Hook to retrieve cable in dark voids.

Part No	Description	Product Information
SRCLAW	The Claw	Come complete with a male Gender Changer to allow a connection with female threaded attachments



## Chain and Magnet

A simple but effective method for routing cable. Simply screw the chain onto the end of your rod and place into the void you wish to route through. Next, take the Super Magnet and screw it onto the other rod. Finally, using your final access point (i.e. plug socket, floor board etc) fish inside the void until the magnet comes into contact with the chain and draw the rod through.



Part No	Description	Product Information
<b>CRCM</b>	Chain & Magnet	Route cable with ease with this efficient attachment combination
<b>SRC90</b>	Chain 90cm	Perfect for longer cable runs and works particularly well in aluminium door channels

## Tri Hook

Designed by an electrician to offer three times the chance of hooking a cable from a wall space. The Tri Hook is a brilliant solution to an everyday problem.



Part No	Description	Product Information
<b>CRCM</b>	Magcom Tracer	Sensitive to approximately 60mm depending on the material

## Carry Case

- Perfect storage solution for your cable rod kits and accessories
- Central opening to house multiple 1m rod sets and long drill bits
- External zipped pocket to house your SuperRod accessories
- Detachable internal soft 3D Air Mesh pocket to store and protect your inspection camera
- Easy and comfortable to carry with its adjustable shoulder strap

Part No	Description	Product Information
<b>SRCASE</b>	Carry Case	600 Denier polyester material and stronger zips for optimum durability 1250 x 90 x 60mm



## Cable Jack

The Cable Jack is an innovative cable spooling device. It uses your existing 44mm Cable Rod packaging tube, along with metal collars and legs, to form an 'A' frame. You can use this frame as a lightweight spooler for small jobs. It can also hold up to 35kg of weight.

Part No	Description	Product Information
SRJK	The Cable Jack	Holds up to 35kg of weight 2 x Aluminium Collars 4 x 335mm Fibre Glass Legs 1 x 450mm length packaging tube
SRJKPLUS	The Cable Jack Plus	Holds up to 70kg of weight



SRJK



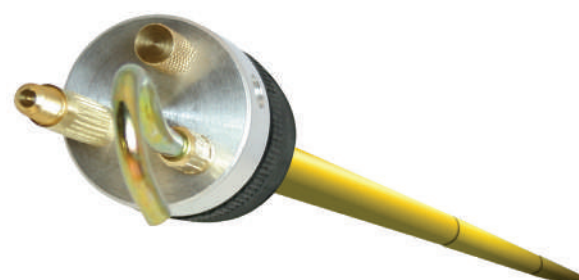
SRJKPLUS



## Telescopic Pole

The Telescopic Pole can extend to 5.6 metres in seconds. The pole comes complete with a versatile platform which allows up to three SuperRod attachments to be used at any one time. This product is ideal for working at height, across loft spaces and under floors.

Part No	Description	Product Information
SRTP	Telescopic Pole	Can extend to 5.6 metres in seconds Allows up to 3 attachments to be used at any one time



# Super Cam & Super Cam Max

20M Wireless inspection camera, connect the Super Cam to any smart device and capture data. Work safer and smarter by streaming high resolution video to your smart device in real time.

- ✓ Compact and light design
- ✓ Customisable app icon layout
- ✓ 6 Adjustable bright white LEDs
- ✓ 180 degree angle adaptor
- ✓ includes 1M telescopic stick
- ✓ Wireless range up to 20M
- ✓ Always up viewing mode
- ✓ 60 min Fast charge
- ✓ Auto/manual focus
- ✓ Non-contact voltage detector
- ✓ IP67 Dustproof and waterproof
- ✓ Built-in WiFi hotspot
- ✓ Record video with sound
- ✓ Digital pinch zoom
- ✓ Instructions available on the App



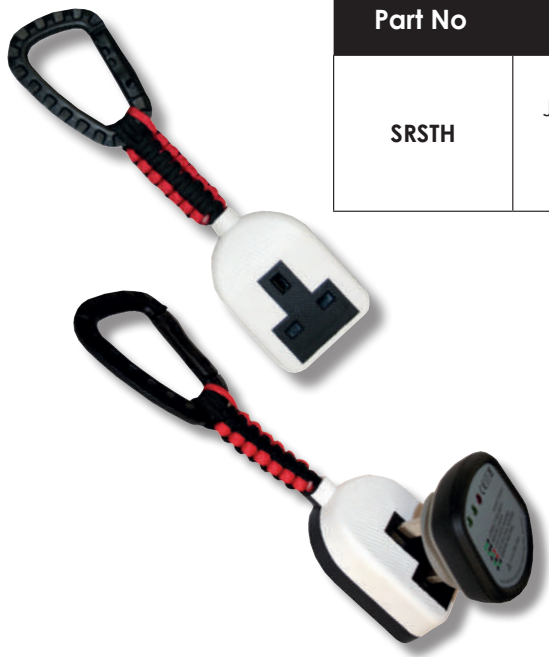
Part No	Description	Product Information
<b>SRCAMV65</b>	Super Cam Wireless Inspection Camera	1 x Super Cam Wireless Inspection Camera, 1 x Padded Case, 1 x Flexi Lead, 1 x Gooseneck, 1 x Tuff Hook, 2 x Adaptors, 1 x Male Gender Changer, 1 x Super Magnet, 1 x 1M Telescopic Stick, 1 x Super Cam Set Up Guide
<b>SRCAMV65MAX</b>	Super Cam Max Wireless Inspection Camera	<b>20M with WiFi Hotspot on board memory when signal is out of reach 16GB, 10,000 pictures 30h video recording</b> 1 x Super Cam Max Wireless Inspection Camera with on board memory, 1 x Padded Case, 1 x Flexi Lead, 1 x Gooseneck, 1 x Tuff Hook, 2 x Adaptors, 1 x Male Gender Changer, 1 x Super Magnet, 1 x 1M Telescopic Stick, 1 x Super Cam Set Up Guide



# Jakoda Socket Tester Holder

The smarter way to store your socket tester.

- ✓ 2-in-1 tool, stores your socket tester and nulls your multi-function tester
- ✓ Ideal for hanging your socket tester on your tool bag
- ✓ Time-saving MFT nulling device
- ✓ Remove risk of damage / loss of your socket tester
- ✓ Easy-access to your socket tester
- ✓ Save space in your toolbag

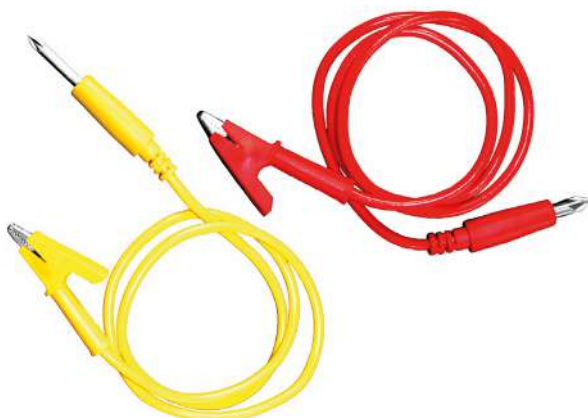


Part No	Description	Product Information
SRSTH	Jakoda Socket Tester Holder with Nulling Feature	2-in-1 tool, stores your socket tester and nulls your multi-function tester  Manufactured from thermoplastic to BS 1363/A



# R1 R2 Link

- ✓ High strength magnetic link used for continuity testing of R1 + R2
- ✓ Eliminates the risk of damaging connections
- ✓ Saves time during testing and speeds up condition reports
- ✓ Eliminates the need to remove conductors on R1 + R2 tests
- ✓ Includes 1 x 750mm PZ2 suitable for most devices and 1 x 750mm PZ1 for RCBO's with deep terminals



Part No	Description	Product Information
SRR1R2	1 x 750mm PZ1 RCBO's 1 x 750mm PZ2 MCB's	Saves time when testing R1 + R2



## Super Magnet

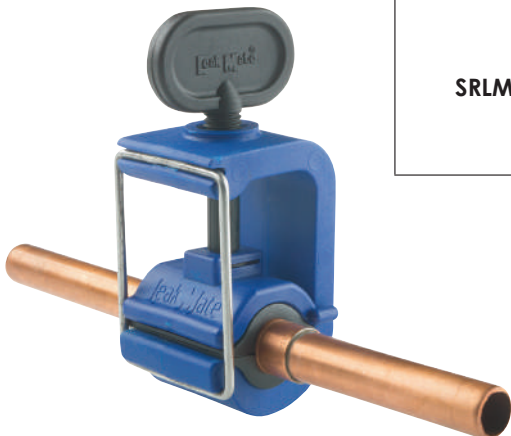


Part No	Description	Product Information
CRMG2	Super Magnet	The Super Magnet works very well in conjunction with the Telescopic Pole when testing smoke alarms. The magnet forces the connection and proves the circuit is working with minimal disruption on site

## Leak Mate

The Leak Mate is a reusable temporary seal for pipework that seals completely around the damaged pipe in seconds. Simply and easy to install, the Leak Mate allows for little disruption and no need for emergency call outs.

The Leak Mate is a temporary solution, the leak should be fixed by a qualified plumber at the nearest convenient opportunity.



Part No	Description	Product Information
SRLM	Leak Mate Reseal leaking pipework in seconds	1 x Leak Mate tool 3 x Re-usable seals (sizes 10mm, 15mm and 22mm)



## Flat Rat

The Flat Rat 10M features an ergonomic case with sloped handle for a smooth spooling action. The high-quality flat material allows greater control while routing.

- Route
- Retrieve
- Bend around corners
- Perfect for under floors & behind walls



Part No	Description	Product Information
FRAT10	Flat Rat	1 x Flat Rat 10M 1 x Steel Domed Bullet

## Cable Rats

The combination of both coiled or rod based products means you are equipped for whatever challenge you face. Rod-based products tend to perform better in more open areas (ceilings, wall cavities etc) and coiled products tend to perform better in a contained environment such as conduit or ducting.

Part No	Description	Product Information
RATGPLUS20	Cable Rat Plus	20M length, specialised material for easy handling and low surface friction
RATGPLUS30		30M length, specialised material for easy handling and low surface friction



## Cable Zilla

**Specials supplied to order**

With the Cable Zilla range, SuperRod have matched the requirements for strength and flexibility to deliver a tool that is fit for any challenge, with options from 50M up to 150M.

- ✓ **Incredibly strong frame designed for the challenges of being on site**
- ✓ **Various diameters of rod available to suit all requirements**



Part No	Description	Product Information
<b>CZLA50X6S</b>	Cable Zilla (50M)	50M length / 6mm diameter 450mm wide frame Guide wheel attachment Flexi Lead attachment Mini Eye attachment
<b>CZLA50X6</b>		50M length / 6mm diameter 550mm tall frame Guide wheel attachment Flexi Lead attachment Mini Eye attachment
<b>CZLA100X9</b>	Cable Zilla (100M)	100M length / 9mm diameter 1000mm tall frame Flexi Lead attachment
<b>CZLA150X9</b>	Cable Zilla (150M)	150M length / 9mm diameter Flexi Lead attachment

## Super Cams

**Specials supplied to order**

SuperRod's cameras have always reduced the element of uncertainty when on a job, initially with a wireless camera, and now with a series of 'borescope' style cameras. Each allows you to inspect and record across a wide range of distances from a few metres up to 120M.



Part No	Description	Product Information
<b>SRCAMV7.1</b>	Super Cam V7	Features a high-quality camera & record function which can be used over long distances Featuring a sprung camera head with integral light source Provides outstanding resolution and image clarity IP68 Protection
<b>SRCAMV8</b>	Super Cam V8	Features a high-quality camera & record function which can be used over long distances Also featuring a sprung camera head with integrated glider and LED lights for ease of use IP68 Protection

## Gekko Gripper

The Gekko Gripper has been designed to make electricians' jobs easier when routing cables through floor voids.

- ✓ Route cable under floors, over ceilings and through Dot and Dab walls
- ✓ Magnet and cord combination navigates many obstructions
- ✓ Easily connects to your SuperRod attachments
- ✓ 6M heavy-duty nylon cord
- ✓ Mini eye & ring connects to most cables
- ✓ Includes convenient spool and storage tube
- ✓ Counter display available

Part No	Description
SRGG62	Gekko Gripper



**Complete with FREE POS Display  
(for order over 12 pieces)**

## Cable Tongues

The Cable Tongue is designed for pulling cables through walls, above ceilings, below floors and anywhere else a cable needs to go. The new Cable Tongue Pro has a new fitting allowing you to use SuperRod attachments.

- ✓ **3.6M of Cable Tongue (coiled)**

Part No	Description
SRCT36	3.6M Cable Tongue
SRCTPRO	3.6M Cable Tongue and extra fitting allowing you to use Super Rod attachments



## Quick Drills

The Quick Drill is especially useful when there is rubble or insulation material present in the cavity as the drill bit is left in place whilst the cable is attached.

- ✓ Applications routing of cables i.e. Electrical, TV, satellite, telephone, Alarm, Data, Speakers etc

Part No	Description	Product Information
SRQD10	Quick Drill	10mm
SRQD16	Quick Drill	16mm



## Sleeved Quick Drills

Drill bit and sleeve technology that simplifies passing of cable or pipe through cavity walls; suitable for walls up to 225mm deep.

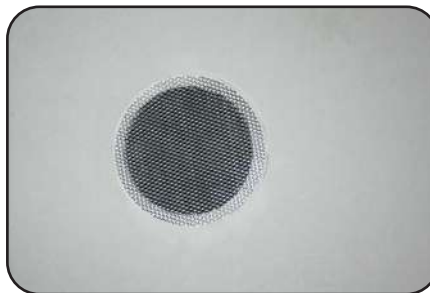
- ✓ Ready-to-use sleeve - Starter Pack
- ✓ Multi-purpose - high performance carbide drill bit, offering increased penetration, long tool life and efficiency across multiple material types

Part No	Description	Product Information
SRSDQ22	Sleeved Quick Drill	22mm
SRSDQ28	Sleeved Quick Drill	28mm



## Cavity Master Accessories

Part No	Description	Product Information
<b>CRCAPS</b>	Solid Plates x 5	The solid plates have been designed to cover cavities in surfaces such as floor boards, by sitting in the rebate made by the cavity master
<b>CRCAPM</b>	Mesh Plate x 5	The mesh plates work by covering over cavities made in plaster board



## Stingray

The Stingray enables installers to protect various types of cable including electrical, structured cabling, coaxial, telephone, optical fibre, fire alarm, as well as plastic water pipes for air-conditioning. The Stingray stops cable becoming entangled in any sharp edges of a ceiling grid metal frame work.

- ✓ **The professional way to route cable over a ceiling**
- ✓ **Protects expensive and fragile cables as well as ceilings from twisting & distorting**
- ✓ **Prevents cables from tangling with the ceiling, saving time and labour**
- ✓ **Smooth interior creates an almost frictionless cable run**
- ✓ **Side slit allows for easy cable removal at any time**
- ✓ **Fits standard ceiling grid**
- ✓ **Easy to install and remove**

Part No	Description
<b>SRSR</b>	Stingray



Norslo is not just your standard range of commodities - we are proud that on products where specification is rarely compared, that we take the time to consider the quality of our products to make life easier for the contractors.....

### For example...Norslo Switch & Socket Boxes

- 0.9mm thick (thicker than competitors)
- This means the lugs do not bend on second fix
- This avoids badly fitting plates and gaps on the wall
- The increased thickness gives more thread depth
- Meaning stripping the thread is less likely

This all equates to one thing **#happycontractors**



### Our prices...

- Norslo prices are super competitive and our top quality is well known by our customers
- We regularly assess the market to ensure we can offer you the best prices
- Easy to order, either via our sales desk or using our website

[www.greenbrook.co.uk](http://www.greenbrook.co.uk)

(where you can bag an additional 1% discount)



### Delivery

- Order by 3pm to receive next day delivery
- Direct to site delivery available - just arrange this with our sales team

Follow us on social media for more information



## Stock

- It is our mission to be able to complete your order first time, every time - We have increased our stock holding at our Harlow Distribution Centre to facilitate this



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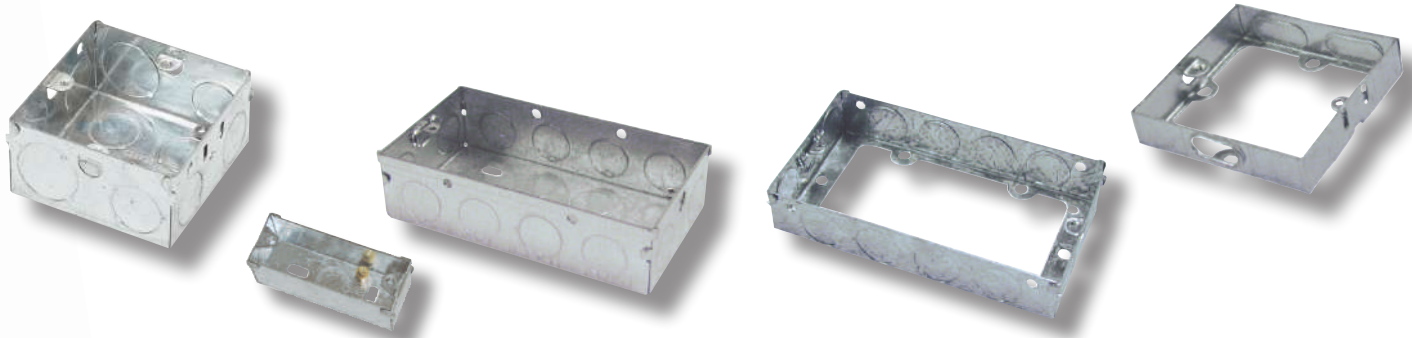
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# NOTES





## Switch & Socket Boxes



Part No	Description	Gang	Depths	Pk Qty
<b>116</b>	Switch & Socket Boxes	1 gang	16mm	20
<b>125</b>		1 gang	25mm	10
<b>135</b>		1 gang	35mm	10
<b>147</b>		1 gang	47mm	10
<b>225</b>		2 gang	25mm	5
<b>235</b>		2 gang	35mm	5
<b>247</b>	Shaver Box	2 gang	47mm	5
<b>DB</b>	Dual Box	2 gang	35mm	5
<b>DB25</b>	Dual Box	2 gang	25mm	5
<b>ARCH</b>	Architrave	1 gang	25mm	20
<b>DB3512</b>	Switch & Socket Box Steel Dual	1 gang & 2 gang	35mm K/O ø 20mm	5

Part No	Description	Gang	Depths	Pk Qty
<b>116EB</b>	Extension Boxes	1 gang	16mm	20
<b>125EB</b>		1 gang	25mm	10
<b>135EB</b>		1 gang	35mm	10
<b>216EB</b>		2 gang	16mm	10
<b>225EB</b>		2 gang	25mm	5
<b>235EB</b>		2 gang	35mm	5

## Adaptable Boxes



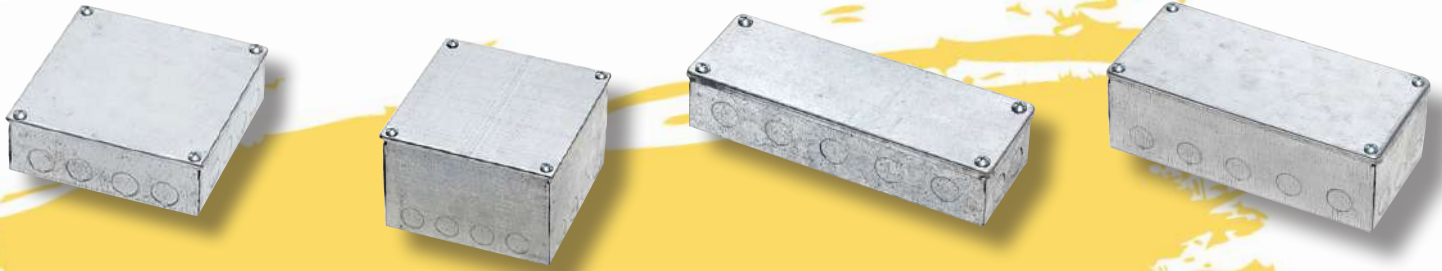
Part No BLACK / GALV	Dimensions	K/O Plain	Pk Qty
<b>3311/2BK</b> <b>3311/2BP</b> <b>3311/2GK</b> <b>3311/2GP</b>	H3 x W3 x D1.5" / H75 x W75 x D38mm	K/O Plain	10
<b>332BK</b> <b>332GK</b> <b>332GP</b>	H3 x W3 x D2" / H75 x W75 x D50mm	K/O Plain	10
<b>333GK</b> <b>333GP</b>	H3 x W3 x D3" / H75 x W75 x D75mm	K/O Plain	5
<b>432GK</b> <b>432GP</b>	H4 x W3 x D2" / H100 x W75 x D50mm	K/O Plain	5
<b>4411/2BP</b> <b>4411/2GK</b> <b>4411/2GP</b>	H4 x W4 x D1.5" / H100 x W100 x D38mm	Plain K/O Plain	5
<b>442BK</b> <b>442GK</b> <b>442GP</b>	H4 x W4 x D2" / H100 x W100 x D50mm	K/O Plain	5
<b>443GK</b> <b>443GP</b>	H4 x W4 x D3" / H100 x W100 x D75mm	K/O Plain	5

## Adaptable Boxes



Part No GALV	Dimensions	K/O Plain	Pk Qty
<b>444GK</b> <b>444GP</b>	H4 x W4 x D4" / H100 x W100 x D100mm	K/O Plain	2
<b>632GK</b> <b>632GP</b>	H6 x W3 x D2" / H150 x W75 x D50mm	K/O Plain	5
<b>633GK</b> <b>633GP</b>	H6 X W3 X D3" / H150 x W75 x D75mm	K/O Plain	5
<b>642GK</b> <b>642GP</b>	H6 X W4 X D2" / H150 X W100 X D50mm	K/O Plain	5
<b>643GK</b> <b>643GP</b>	H6 X W4 X D3" / H150 X W100 X D75mm	K/O Plain	5
<b>644GK</b> <b>644GP</b>	H6 X W4 X D4" / H150 X W100 X D100mm	K/O Plain	2
<b>6611/2GK</b> <b>611/2GP</b>	H6 X W6 X D1.5" / H150 X W150 X D38mm	K/O Plain	5

## Adaptable Boxes



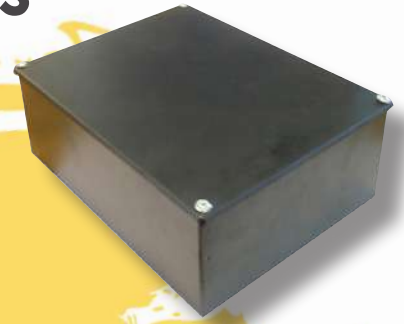
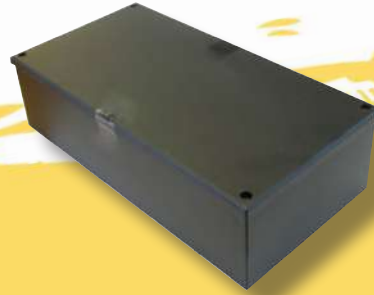
Part No BLACK / GALV	Dimensions	K/O Plain	Pk Qty
<b>662BK</b> <b>662GK</b> <b>662GP</b>	H6 x W6 x D2" / H150 x W150 x D50mm	K/O  Plain	6
<b>663GK</b> <b>663GP</b>	H6 x W6 x D3" / H150 x W150 x D75mm	K/O  Plain	5
<b>664GK</b> <b>664GP</b>	H6 X W6 X D4" / H150 X W150 X D100mm	K/O  Plain	2
<b>666GK</b> <b>666GP</b>	H6 X W6 X D6" / H150 X W150 X D150mm	K/O  Plain	2
<b>932GK</b> <b>932GP</b>	H9 X W3 X D2" / H225 X W75 X D50mm	K/O  Plain	1
<b>942GK</b> <b>942GP</b>	H9 X W4 X D2" / H225 X W100 X D50mm	K/O  Plain	1
<b>943BP</b> <b>943GK</b> <b>943GP</b>	H9 X W4 X D3" / H225 X W100 X D75mm	K/O  Plain	1

# Adaptable Boxes



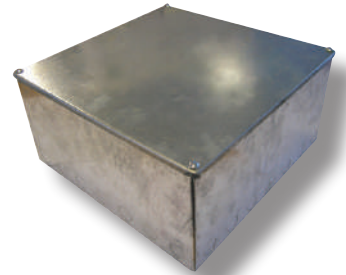
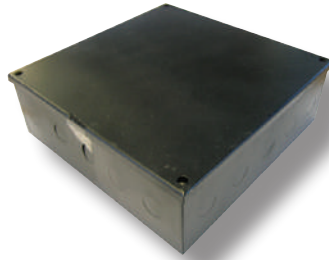
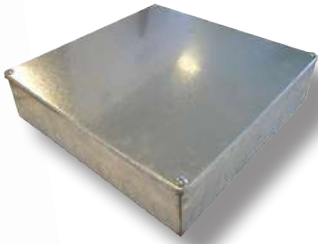
Part No BLACK / GALV	Dimensions	K/O Plain	Pk Qty
<b>962GK</b>	H9 x W6 x D2" / H225 x W150 x D50mm	K/O	5
<b>962GP</b>		Plain	
<b>963GK</b>	H9 x W6 x D3" / H225 x W150 x D75mm	K/O	5
<b>963GP</b>		Plain	
<b>964GK</b>	H9 x W6 x D4" / H225 x W150 x D100mm	K/O	2
<b>964GP</b>		Plain	
<b>992GK</b>	H9 x W9 x D2" / H225 x W225 x D50mm	K/O	2
<b>992GP</b>		Plain	
<b>993BK</b>		K/O	
<b>993GK</b>	H9 x W9 x D3" / H225 x W225 x D75mm	K/O	2
<b>993GP</b>		Plain	
<b>994GK</b>	H9 x W9 x D4" / H225 x W225 x D100mm	K/O	2
<b>994GP</b>		Plain	
<b>996BK</b>		K/O	
<b>996GK</b>	H9 x W9 x D6" / H225 x W225 x D150mm	K/O	1
<b>996GP</b>		Plain	

# Adaptable Boxes



Part No BLACK / GALV	Dimensions	K/O Plain	Pk Qty
<b>1262GK</b>	H12 x W6 x D2" / H300 x W150 x D50mm	K/O	1
<b>1262GP</b>		Plain	
<b>1263GK</b>	H12 x W6 x D3" / H300 x W150 x D75mm	K/O	1
<b>1263BP</b>		Plain	
<b>1263GP</b>		Plain	
<b>1264GK</b>	H12 x W6 x D4" / H300 x W150 x D100mm	K/O	1
<b>1264GP</b>		Plain	
<b>1293GK</b>	H12 x W9 x D3" / H300 x W225 x D75mm	K/O	1
<b>1293GP</b>		Plain	
<b>1294GK</b>	H12 x W9 x D4" / H300 x W225 x D100mm	K/O	1
<b>1294GP</b>		Plain	
<b>1296GK</b>	H12 x W9 x D6" / H300 x W225 x D150mm	K/O	1
<b>1296GP</b>		Plain	
<b>12122GK</b>	H12 x W12 x D2" / H300 x W300 x D50mm	K/O	1
<b>12122GP</b>		Plain	

## Adaptable Boxes



Part No BLACK / GALV	Dimensions	K/O Plain	Pk Qty
<b>12123GK</b>	H12 x W12 x D3" / H300 x W300 x D75mm	K/O	1
<b>12123GP</b>		Plain	
<b>12124BK</b>	H12 x W12 x D4" / H300 x W300 x D100mm	K/O	1
<b>12124GK</b>		K/O	
<b>12124GP</b>		Plain	
<b>12126GK</b>	H12 x W12 x D6" / H300 x W300 x D150mm	K/O	1
<b>12126GP</b>		Plain	

## Rubber Gaskets for Boxes



Part No	Description	Dimensions	Pk Qty
<b>33RG</b>	Rubber Gasket	H3 x W3" / H75 x W75mm	10
<b>44RG</b>	Rubber Gasket	H4 x W4" / H100 x W100mm	10
<b>66RG</b>	Rubber Gasket	H6 x W6" / H150 x W150mm	10



## Junction Boxes



Part No	Description	Product Information	Pk Qty
<b>PJ6535K</b>	IP44 Weatherproof rating Circular Plastic Junction Box with knockouts & press on lid	ø 65mm x D35mm	5
<b>PJ8040K</b>	IP44 Weatherproof rating Square Plastic Junction Box with knockouts & press on lid	ø 80mm x D40mm	
<b>PJ884K</b>	IP44 Weatherproof rating Square Plastic Junction Box with knockouts & press on lid	H80 x W80 x D40mm	5
<b>PJ10105K</b>	IP55 Weatherproof rating Plastic Junction Box with knockouts & screw on lid	H100 x W100 x D50mm	1
<b>PJ1285K</b>		W80 x W120 x D50mm	
<b>PJ15117K</b>		H110 x W150 x D70mm	
<b>PJ19147K</b>		H140 x W190 x D70mm	
<b>PJ10105P</b>	IP54 Weatherproof rating Plastic Junction Box with smooth walls & screw on lid	H100 x W100 x D50mm	
<b>PJ1285P</b>		H80 x W120 x D50mm	
<b>PJ15117P</b>		H110 x W150 x D70mm	
<b>PJ19147P</b>		H140 x W190 x D70mm	
<b>PJ24199P</b>		H190 x W240 x D90mm	
<b>PJ302212P</b>		H220 x W300 x D120mm	
<b>PJ383012P</b>	H380 x W300 x D120mm		
<b>PJ463812P</b>	H380 x W460 x D120mm		

# Grommets & Grommet Strip PVC



Part No	Description	Nominal Panel Hole Dimensions	Panel Thickness	Max Cable Size	Pk Qty
<b>GBP16</b>	Blanking Plug	ø 16mm	1.6mm	-	100
<b>GBP20</b>		ø 20mm		-	100
<b>GBP25</b>		ø 25mm		-	100
<b>GBP32</b>		ø 32mm		-	50
<b>GBP38</b>		ø 38mm		-	25
<b>GBP50</b>		ø 50mm		-	25
<b>GO16</b>	Open Grommet	ø 16mm	1.6mm	11.9mm	100
<b>GO20</b>		ø 20mm		15.7mm	100
<b>GO25</b>		ø 25mm		19.4mm	100
<b>GO32</b>		ø 32mm		23.1mm	50
<b>GO38</b>		ø 38mm		31.7mm	25
<b>GO50</b>		ø 50mm		43.8mm	20
<b>GSBT20</b>	Semi-Blind Grommet (top diaphragm)	ø 20mm	1.6mm	-	100
<b>GSBT25</b>		ø 25mm		-	100
<b>GSBT32</b>		ø 32mm		-	50
<b>GSBT38</b>		ø 38mm		-	25
<b>GSBT50</b>		ø 50mm		-	20
<b>SGB20</b>	Super (Quick-fit) Blanking Plug	ø 20mm	1.6mm	-	100
<b>SGB25</b>		ø 25mm		-	100
<b>SGB32</b>		ø 32mm		-	50
<b>SGO20</b>	Super (Quick-fit) Open Grommet	ø 20mm	1.6mm	15.7mm	100
<b>SGO25</b>		ø 25mm		19.5mm	100
<b>SGO32</b>		ø 32mm		26.5mm	50
<b>GS1</b>	Grommet Strip Black PVC	-	1mm - 2mm	-	50M Reel
<b>GS2</b>		-	1.5mm - 2.8mm	-	50M Reel
<b>GS3</b>		-	2.7mm - 3.8mm	-	50M Reel
<b>GS4</b>		-	3.7mm - 5.2mm	-	25M Reel
<b>GS5</b>		-	5.3mm - 6.8mm	-	25M Reel
<b>B20</b>	Conduit Bushes	ø 20mm	-	-	100
<b>B25</b>		ø 25mm	-	-	

## Dry Lining Boxes



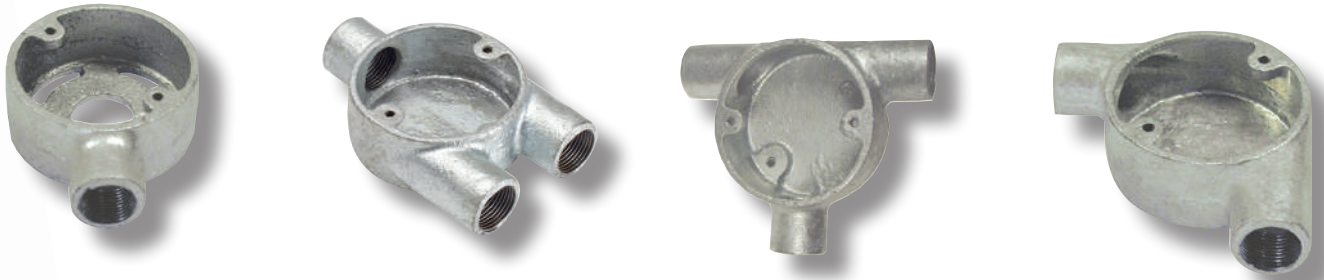
Part No	Description	Max Wall/ Plasterboard Thickness	K/O Dim	K/O Qty
<b>DL1N</b>	1 Gang - 35mm Deep Cable Entry Dim - 2 x 16 x 26mm	16mm	1 x 25mmø	10
<b>DL2N</b>	2 Gang - 35mm Deep Cable Entry Dim - 2 x 16 x 26mm	16mm	1 x 25mmø	10
<b>DL147N</b>	1 Gang - 47mm Deep Cable Entry Dim - 2 x 16 x 26mm	30mm	1 x 25mmø	20
<b>DL247N</b>	2 Gang - 47mm Deep Cable Entry Dim - 2 x 16 x 26mm	30mm	1 x 25mmø	10
<b>DLCN</b>	1 Gang Circular 32mm Deep, 58.4mm Inner dimensions, 78.6mm Outer Dimensions	20mm	2 x 20mmø	10
<b>DLDN</b>	Dual Box - 35mm Deep Cable Entry Dim - 6 x 6 x 26mm	20mm	2 x 25mmø	10

# Malleable Conduit Boxes



Part No BLACK / GALV	Description	Thread $\varnothing$	Pk Qty
<b>20B1</b> <b>25B1</b> <b>20G1N</b> <b>25G1N</b>	Terminal Box	$\varnothing$ 20mm $\varnothing$ 25mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>20B2</b> <b>25B2</b> <b>20G2N</b> <b>25G2N</b>	Through Box	$\varnothing$ 20mm $\varnothing$ 25mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>20B3</b> <b>25B3</b> <b>20G3N</b> <b>25G3N</b>	Tee Box	$\varnothing$ 20mm $\varnothing$ 25mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>20B4</b> <b>20G4N</b> <b>25G4N</b>	Intersection Box	$\varnothing$ 20mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>20B5</b> <b>25B5</b> <b>20G5N</b> <b>25G5N</b>	Angle Box	$\varnothing$ 20mm $\varnothing$ 25mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>20G6N</b>	H Box	$\varnothing$ 20mm	10
<b>20BU</b> <b>20GUN</b> <b>25GUN</b>	U Box	$\varnothing$ 20mm $\varnothing$ 20mm $\varnothing$ 25mm	10

## Malleable Conduit Boxes



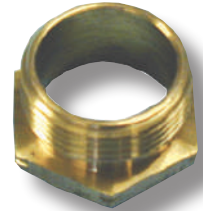
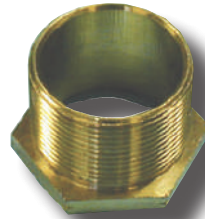
Part No BLACK / GALV	Description	Thread $\varnothing$	Pk Qty
<b>20BY</b> <b>25BY</b> <b>20GYN</b> <b>25GYN</b>	Y Box	$\varnothing$ 20mm $\varnothing$ 25mm $\varnothing$ 20mm $\varnothing$ 25mm	10
<b>B20B1E</b> <b>B20G1E</b>	Terminal tension Box	$\varnothing$ 20mm	10
<b>B20G2E</b>	Through Extension Box	$\varnothing$ 20mm	10
<b>B20G3E</b>	Tee Extension Box	$\varnothing$ 20mm	10
<b>B20G5E</b>	Angle Extension Box	$\varnothing$ 20mm	10
<b>B20BT3</b> <b>B20GT3</b>	Tee Tangent Box	$\varnothing$ 20mm	10
<b>B20GT5</b>	Angle Tangent Box	$\varnothing$ 20mm	10

# Malleable Conduit Boxes



Part No BLACK / GALV	Description	Thread $\varnothing$	Pk Qty
<b>B20GBO</b>	Back Outlet Box	$\varnothing$ 20mm	10
<b>B20G3BO</b>	Tee Back Outlet Box	$\varnothing$ 20mm	10
<b>B20B1BO</b> <b>B20G1BO</b>	Terminal Back Outlet Box	$\varnothing$ 20mm	10
<b>B20G2BO</b>	Through Back Outlet Box	$\varnothing$ 20mm	10
<b>1GLB</b> <b>2GLB</b> <b>3GLB</b> <b>4GLB</b>	<b>Loop-In Box</b> 1 hole 2 hole 3 hole 4 hole	$\varnothing$ 20mm	10 10 10 20

# Bushes



Part No BRASS	Description	Dimensions	Pk Qty
<b>16FBB</b>	Female Brass Bushes	ø 16mm	100
<b>20FBB</b>		ø 20mm	100
<b>25FBB</b>		ø 25mm	100
<b>32FBB</b>		ø 32mm	100
<b>4FBB</b>		ø 1.5"	100
<b>5FBB</b>		ø 2"	25
<b>20MBBL</b>	Male Long Brass Bushes	ø 20mm	100
<b>25MBBL</b>		ø 25mm	100
<b>32MBBL</b>		ø 32mm	50
<b>4MBBL</b>		ø 1.5"	20
<b>5MBBL</b>		ø 2"	10
<b>16MBBS</b>	Male Short Brass Bushes	ø 16mm	100
<b>20MBBS</b>		ø 20mm	100
<b>25MBBS</b>		ø 25mm	100
<b>32MBBS</b>		ø 32mm	50
<b>4MBBS</b>		ø 1.5"	50
<b>5MBBS</b>		ø 2"	25

# Saddles



Part No BLACK / GALV	Description	Dimensions For conduit of	Pk Qty
<b>20GPS</b> <b>25GPS</b>	Plain Saddles (Pressed Steel)	ø 20mm ø 25mm	100
<b>20BSBS</b> <b>25BSBS</b> <b>20GSBS</b> <b>25GSBS</b> <b>32GSBS</b>	Spacer Bar Saddles (Pressed Steel)	ø 20mm ø 25mm ø 20mm ø 25mm ø 32mm	100 100 100 100 50
<b>20BDS</b> <b>25BDS</b> <b>32BDS</b> <b>20GDS</b> <b>25GDS</b> <b>32GDS</b>	Distance Saddles (Malleable)	ø 20mm ø 25mm ø 32mm ø 20mm ø 25mm ø 32mm	50 50 25 50 25 25
<b>20BHS</b> <b>20GHS</b> <b>25GHS</b>	Hospital Saddles (Malleable)	ø 20mm ø 20mm ø 25mm	25 25 20
<b>20WSBS</b> <b>25WSBS</b>	Spacer Bar Saddles Pressed Steel	ø 20mm ø 25mm	100



# Covers, Hooks, Plates & Chain

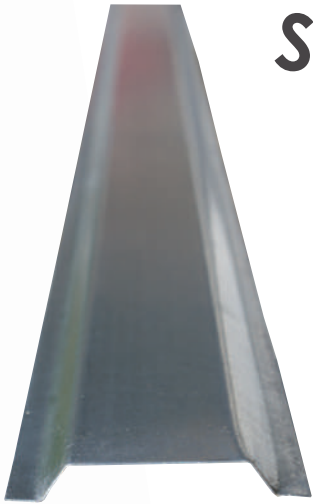


Part No BLACK / GALV	Description	Dimensions Thread	Pk Qty
<b>20BMH</b> <b>20GMH</b>	Male Hooks	ø 20mm	25
<b>20BBS</b> <b>20GBS</b>	Ball & Socket	ø 20mm	20
<b>BLPC</b> <b>GLPC</b>	Recessed Covers Light Gauge	Suitable for ø 20mm & ø 25mm	100
<b>BLPCF</b> <b>GLPCF</b>	Flat Covers Light Gauge	Suitable for ø 20mm & ø 25mm	100
<b>20BDC</b> <b>20GDC</b> <b>25GDCM</b>	Dome Covers	ø 20mm ø 20mm ø 25mm	50 50 20
<b>BHP</b> <b>GHP</b>	Hook Plates Load rating: 25kg	Suitable for ø 20mm & ø 25mm	25
<b>CRG</b>	Cover Gasket Circular Rubber	Suitable for ø 20mm & ø 25mm	100
<b>BJC</b>	Jack Chain 10M Hank Max working load 7.5kg	No 10	1 x 10M Hank
<b>GJC</b>			
<b>8GJC</b>	Jack chain 10M Hank Max working load 15kg	No 8	
<b>SBJC</b>	Jack chain 10M Hank Max working load 40kg	No 10	
<b>SGJC</b>			

# Couplers



Part No BLACK /GALV	Description	Dimensions Thread	Pk Qty
<b>20GEC</b>	Earth Coupler	ø 20mm	100
<b>20BFC</b>	Flanged Couplers (Malleable)	ø 20mm	50
<b>20GFC</b>		ø 20mm	30
<b>25GFC</b>		ø 25mm	20
<b>20GFCS</b>	Flanged Couplers (Steel)	ø 20mm	25
<b>25GFCS</b>		ø 25mm	
<b>20BC</b>	Plain Couplers	ø 20mm	100
<b>25BC</b>		ø 25mm	50
<b>32BC</b>		ø 32mm	40
<b>4BC</b>		ø 1.5"	30
<b>5BC</b>		ø 2"	10
<b>20GC</b>		ø 20mm	100
<b>25GC</b>		ø 25mm	50
<b>32GC</b>		ø 32mm	40
<b>4GC</b>		ø 1.5"	30
<b>5GC</b>		ø 2"	10



## Steel Channel & Lockrings



Part No	Description	Dimensions	Pk Qty
<b>GC12</b>		W12mm	50
<b>GC25</b>	Galvanised Steel Channel in 2M lengths Gauge 0.40mm	W25mm	50
<b>GC37</b>		W37mm	50
<b>GC50</b>		W48mm	25
<b>GC63</b>		W63mm	25

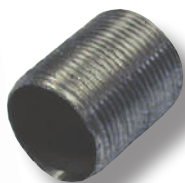
Part No BZP / SC	Description	Dimensions Thread	Pk Qty
<b>20PME</b>	Milled Edge Lockrings	ø 20mm	100
<b>25PME</b>		ø 25mm	100
<b>32PME</b>		ø 32mm	100
<b>4PME</b>		ø 1.5"	50
<b>5PME</b>		ø 2"	50
<b>20SCME</b>		ø 20mm	100
<b>25SCME</b>		ø 25mm	100
<b>32SCME</b>		ø 32mm	100
<b>4SCME</b>		ø 1.5"	50
<b>5SCME</b>		ø 2"	50

# Adaptors & Reducers



Part No BLACK / GALV	Description	Thread $\varnothing$	Pk Qty
<b>20MGA</b>	Adaptor 20mm Male x 3/4" Female	$\varnothing$ 20mm	100
<b>34MGA</b>	Adaptor 3/4" Male x 20mm Female	$\varnothing$ 20mm	25
<b>2016BR</b>	Reducers	$\varnothing$ 20 - 16mm	100
<b>2520BR</b>		$\varnothing$ 25 - 20mm	50
<b>2016GR</b>		$\varnothing$ 20 - 16mm	100
<b>2520GR</b>		$\varnothing$ 25 - 20mm	50
<b>3220GR</b>		$\varnothing$ 32 - 20mm	25
<b>3225GR</b>		$\varnothing$ 32 - 25mm	25
<b>420GR</b>		$\varnothing$ 1.5" - 20mm	20
<b>425GR</b>		$\varnothing$ 1.5" - 25mm	20
<b>432GR</b>		$\varnothing$ 1.5" - 32mm	20
<b>525GR</b>		$\varnothing$ 2" - 25mm	10
<b>532GR</b>		$\varnothing$ 2" - 32mm	10
<b>54GR</b>		$\varnothing$ 2" - 1.5"	10

# Nipples



Part No BZP / SC	Description	Dimensions Thread	Pk Qty
<b>20PN</b>	Nipples	ø 20mm	100
<b>25PN</b>		ø 25mm	100
<b>20SCN</b>		ø 20mm	100
<b>25SCN</b>		ø 25mm	100
<b>32SCN</b>		ø 32mm	50
<b>20BN</b>	Bonding Nipples <i>(Die Cast Zinc Alloy)</i>	ø 20mm	100
<b>20SCW</b>	Serrated washer	ø 20mm	250
<b>25SCW</b>	Bright Zinc Plated	ø 25mm	
<b>M1025PW</b> <b>M1030PW</b> <b>M620PW</b> <b>M625PW</b> <b>M820PW</b> <b>M825PW</b>	Steel Penny Washers Bright Zinc Plated	M10 x 25mm M10 x 30mm M6 x 20mm M6 x 25mm M8 x 20mm M8 x 25mm	100

## Extension Rings & Plugs



Part No BLACK / GALV	Description	Thread Ø DEPTH	Pk Qty
<b>16BER</b>	Extension Rings	16mm	50
<b>20BER</b>		20mm	20
<b>25BER</b>		25mm	20
<b>10GER</b>		10mm	50
<b>13GER</b>		13mm	50
<b>16GER</b>		16mm	50
<b>20GER</b>		20mm	20
<b>25GER</b>		25mm	20
<b>32GER</b>		32mm	20
<b>40GER</b>		40mm	10
<b>50GER</b>		50mm	10

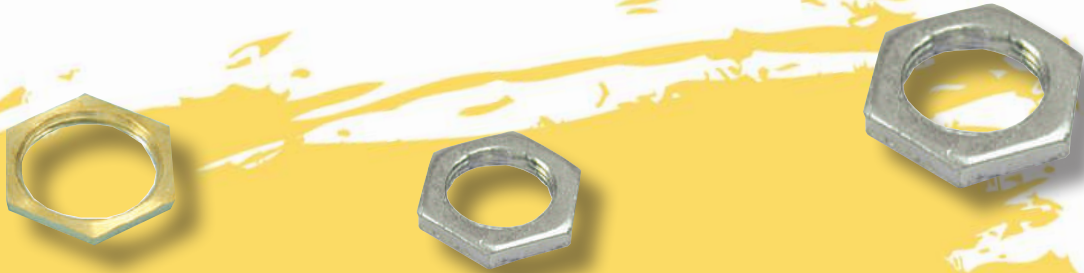
Part No	Description	Dimensions Thread	Pk Qty
<b>BRASS</b>	Slotted Plugs Brass	Ø 20mm	100
<b>20BRSP</b>		Ø 25mm	
<b>25BRSP</b>	Hexagonal Plugs	Ø 20mm	50
<b>GALV</b>		Ø 25mm	50
<b>20GHP</b>		Ø 25mm	50

## Elbows, Bends & Tees



Part No BLACK / GALV	Description	Thread $\varnothing$	Pk Qty
<b>25BSB</b>		$\varnothing$ 20mm	
<b>20GSB</b>	Solid Bend	$\varnothing$ 25mm	1
<b>25GSB</b>		$\varnothing$ 25mm	
<b>20BIB</b>	Inspection Bends	$\varnothing$ 20mm	1
<b>25BIB</b>		$\varnothing$ 25mm	
<b>20GIB</b>		$\varnothing$ 20mm	
<b>25GIB</b>		$\varnothing$ 25mm	
<b>20BSE</b>	Solid Elbow	$\varnothing$ 20mm	20
<b>20GSE</b>		$\varnothing$ 20mm	20
<b>25GSE</b>		$\varnothing$ 25mm	10
<b>20BIE</b>	Inspection Elbows	$\varnothing$ 20mm	20
<b>25BIE</b>		$\varnothing$ 25mm	20
<b>20GIE</b>		$\varnothing$ 20mm	20
<b>25GIE</b>		$\varnothing$ 25mm	10
<b>20GST</b>	Solid Tees	$\varnothing$ 20mm	20
<b>20BIT</b>	Inspection Tees	$\varnothing$ 20mm	20
<b>20GIT</b>		$\varnothing$ 20mm	20
<b>25GIT</b>		$\varnothing$ 25mm	10

## Locknut - hex



Part No	Description	Thread $\varnothing$	Pk Qty
<b>20BRLN</b>	Brass Locknuts	$\varnothing$ 20mm	100
<b>25BRLN</b>		$\varnothing$ 25mm	100
<b>32BRLN</b>		$\varnothing$ 32mm	50
<b>20GHN</b>	Steel Heavy Gauge Locknuts	$\varnothing$ 20mm	100
<b>25GHN</b>		$\varnothing$ 25mm	
<b>16BLN</b>	Steel Light Gauge Locknuts	$\varnothing$ 16mm	100
<b>20BLN</b>		$\varnothing$ 20mm	100
<b>25BLN</b>		$\varnothing$ 25mm	100
<b>32BLN</b>		$\varnothing$ 32mm	100
<b>5BLN</b>		$\varnothing$ 2"	100
<b>16GLN</b>		$\varnothing$ 16mm	100
<b>20GLN</b>		$\varnothing$ 20mm	100
<b>25GLN</b>		$\varnothing$ 25mm	100
<b>32GLN</b>		$\varnothing$ 32mm	50
<b>40GLN</b>		$\varnothing$ 40mm	50
<b>50GLN</b>		$\varnothing$ 50mm	50
<b>4GLN</b>		$\varnothing$ 1.5"	50
<b>5GLN</b>		$\varnothing$ 2"	



## Cable Gland Kits



Part No	Description	Thread ø	Contents
<b>20SBWK</b>	BW type Cable Gland Kit	ø 20mm (small)	2 x glands
<b>20BWK</b>		ø 20mm	2 x shrouds
<b>25BWK</b>		ø 25mm	2 x tags
<b>32BWK</b>		ø 32mm	2 x locknuts
<b>40BWK</b>	Two Part Glands (indoors)	ø 40mm	1 x gland
<b>50BWK</b>		ø 50mm	1 x shroud
<b>63BWK</b>		ø 63mm	1 x tag
<b>75BWK</b>		ø 75mm	1 x locknut
<b>20SCWK</b>	CW type Cable Gland Kit	ø 20mm (small)	2 x glands
<b>20CWK</b>		ø 20mm	2 x shrouds
<b>25CWK</b>		ø 25mm	2 x tags
<b>32CWK</b>		ø 32mm	2 x locknuts
<b>40CWK</b>	Three Part Glands (outdoors)	ø 40mm	1 x gland
<b>50CWK</b>		ø 50mm	1 x shroud
<b>63CWK</b>		ø 63mm	1 x tag 1 x locknut

## Cable Gland Kits



Part No	Description	Thread ø	Contents
<b>20SBWKLSF</b>	BW type Cable Gland Kit Low smoke and fume Two Part Glands (indoors)	ø 20mm (small)	2 x glands
<b>20BWKLSF</b>		ø 20mm	2 x shrouds
<b>25BWKLSF</b>		ø 25mm	2 x tags
<b>32BWKLSF</b>		ø 32mm	2 x locknuts
<b>40BWKLSF</b>		ø 40mm	1 x gland
<b>50BWKLSF</b>		ø 50mm	1 x shroud
<b>63BWKLSF</b>		ø 63mm	1 x tag
<b>75BWKLSF</b>		ø 75mm	1 x locknut
<b>20SCWKLSF</b>	CW type Cable Gland Kit Low smoke and fume Three Part Glands (outdoors)	ø 20mm (small)	2 x glands
<b>20CWKLSF</b>		ø 20mm	2 x shrouds
<b>25CWKLSF</b>		ø 25mm	2 x tags
<b>32CWKLSF</b>		ø 32mm	2 x locknuts
<b>40CWKLSF</b>		ø 40mm	1 x gland
<b>50CWKLSF</b>		ø 50mm	1 x shroud
<b>63CWKLSF</b>		ø 63mm	1 x tag
<b>75CWKLSF</b>		ø 75mm	1 x locknut

## Cable Glands & Crampets



Part No	Description	Dimensions	Pk Qty
<b>BRASS</b>		<b>Thread</b>	
<b>16TRS</b>	Glands	ø 16mm	100
<b>20TRS</b>	Brass TRS	ø 20mm	100
<b>25TRS</b>	stuffing	ø 25mm	50

Part No BLACK / GALV	Description	Dimensions Conduit Size	Pk Qty
<b>20BFCR</b>	Flat Crampets	ø 20mm	100
<b>20GFCR</b>		ø 20mm	
<b>25BFCR</b>		ø 25mm	
<b>25GFCR</b>		ø 25mm	

# PVC Sleeving Hanks



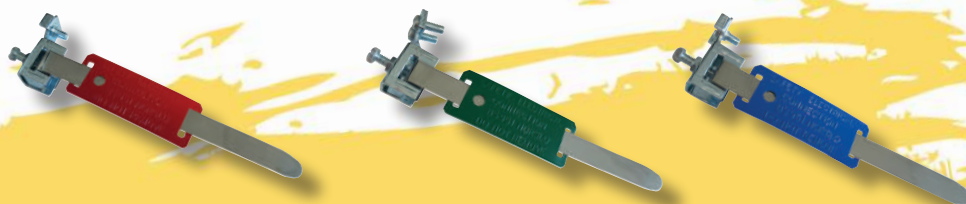
Part No	Description	Dimensions
<b>BLS3</b> <b>BLS4</b> <b>BLS5</b> <b>BLS6</b> <b>BLS8</b> <b>BLS10</b> <b>BLS12</b> <b>BLS16</b>	PVC Sleeving 100M Hank Blue	ø 3mm ø 4mm ø 5mm ø 6mm ø 8mm ø 10mm ø 12mm ø 16mm
<b>BNS3</b> <b>BNS4</b> <b>BNS5</b> <b>BNS6</b> <b>BNS8</b> <b>BNS10</b> <b>BNS16</b>	PVC Sleeving 100M Hank Brown	ø 3mm ø 4mm ø 5mm ø 6mm ø 8mm ø 10mm ø 16mm
<b>WS3</b> <b>WS4</b> <b>WS6</b>	PVC Sleeving 100M Hank White	ø 3mm ø 4mm ø 6mm
<b>BS2</b> <b>BS3</b> <b>BS4</b> <b>BS5</b> <b>BS6</b> <b>BS8</b> <b>BS10</b> <b>BS12</b>	PVC Sleeving 100M Hank Black	ø 2mm ø 3mm ø 4mm ø 5mm ø 6mm ø 8mm ø 10mm ø 12mm
<b>ES1</b> <b>ES2</b> <b>ES3</b> <b>ES4</b> <b>ES5</b> <b>ES6</b> <b>ES8</b> <b>ES10</b> <b>ES12</b> <b>ES16</b>	PVC Sleeving 100M Hank Green/Yellow	ø 1mm - 1.5mm ø 2mm ø 3mm ø 4mm ø 5mm ø 6mm ø 8mm ø 10mm ø 12mm ø 16mm
<b>GRS3</b> <b>GRS4</b> <b>GRS6</b> <b>GRS10</b>	PVC Sleeving 100M Hank Grey	ø 3mm ø 4mm ø 6mm ø 10mm

## PVC Sleeving Reels



Part No	Description	Dimensions
<b>BLS3-R</b>	PVC Sleeving 100M Reel	ø 3mm
<b>BLS4-R</b>	Blue	ø 4mm
<b>BNS3-R</b>	PVC Sleeving 100M Reel	ø 3mm
<b>BNS4-R</b>	Brown	ø 4mm
<b>ES2-R</b>	PVC Sleeving 100M Reel	ø 2mm
<b>ES3-R</b>	Green / Yellow	ø 3mm
<b>ES4-R</b>		ø 4mm
<b>GRS3-R</b>	PVC Sleeving 100M Reel	ø 3mm
<b>GRS4-R</b>	Grey	ø 4mm
<b>TC3-R</b>	PVC Sleeving 100M Reel Blue 20M, Grn / Yellow 60M, Brown 20M	ø 3mm

## Earth Clamps & Clips



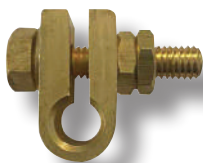
Part No	Description	Pipe Dia (∅)	Pk Qty
<b>EC14GB</b>	Earth Clamps for dry conditions		20
<b>EC14/2GB</b>	Terminal size A-D 2.5 - 10mm <sup>2</sup>		
<b>EC14/3GB</b>	Max earth conductor 1 x 10mm <sup>2</sup>		
<b>EC15GB</b>	Earth Clamps for dry conditions	12mm - 32mm	20
<b>EC15/2GB</b>	Terminal size A-D 2.5 - 10mm <sup>2</sup>	32mm - 50mm	
<b>EC15/3GB</b>	Max earth conductor 1 x 10mm <sup>2</sup>	50mm - 75mm	
<b>EC16GB</b>	Earth Clamps for dry conditions		20
<b>EC16/2GB</b>	Terminal size A-D 2.5 - 10mm <sup>2</sup>		
<b>EC16/3GB</b>	Max earth conductor 1 x 10mm <sup>2</sup>		

The Norslo high performance earth clamp is designed to meet the requirements of BS 951.

Available in three colours :- red for non-corrosive dry atmosphere and blue or green for corrosive or humid conditions. Available in three standard band lengths.

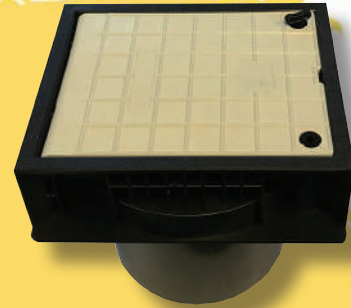
The Norslo Radiator Clamp Kit was specifically designed to allow a convenient and easy method of complying with the IET wiring regulations.

# Earth Rods, Clamps & Accessories



Part No	Description	Product Information	Pk Qty
<b>Economy Range</b>			
<b>NR384E</b>	Economy Earth Rod	3/8" x 4' non extend	1
<b>NR584E</b>	Copper plated to 25 microns	5/8" x 4' extendable	
<b>NRC38E</b>	Lug to Rod Clamp - Brass	3/8" economy	
<b>NC38E</b>	Cable to Rod Clamp - Brass	3/8"	
<b>NC58E</b>	Cable to Rod Clamp - Brass	5/8"	
<b>RC58E</b>	Used to join two 5/8" extendable earth rods together - Brass	5/8" rod coupling (economy)	
<b>Premium Range</b>			
<b>NR384</b>	Premium Earth Rod	3/8" x 4' non extend	1
<b>NR584</b>	Copper bonded to 250 microns	5/8" 4' extendable	
<b>NRC38</b>	Lug to clamp - Alloy	3/8"	
<b>NC38</b>	Cable to Rod Clamp - Alloy	3/8"	
<b>NC58</b>	Cable to Rod Clamp - Alloy	5/8"	
<b>RC58</b>	Used to join 5/8" extendable earth rods together - Alloy	5/8" rod coupling	
<b>DS58</b>	Driving Bolt - Steel (Suitable for the 584 Earth Rods)	5/8" driving bolt	

# Earth Rod Inspection Pits



Part No	Description	Terminal Hole Size	Pk Qty
<b>ECB</b>	Earthing Box PVC	ø 66mm, H60mm	1
<b>PT205</b>	Earth Inspection Pit Working Load 5,000kg Made from lightweight polymer	H300 x W300 x D212mm	1
<b>EPIT</b>	Lightweight Earth Inspection Pit Working Load 5,000kg Made from High performance polymer	H214 x W216mm	1



# PVC Insulating Tape & Heatshrink Sleeving



Part No	Description	Colour	Pk Qty
IT1933B10	Electrical Tape 33M length	Black	10 x 33M rolls
IT1933BL10		Blue	
IP1933BN10		Brown	
IT1933GY10		Green/Yellow	
IT1933G10		Grey	
IT1933R10		Red	
IT1933W10		White	
IT1933Y10		Yellow	
IT1933RP7		Rainbow Pack	

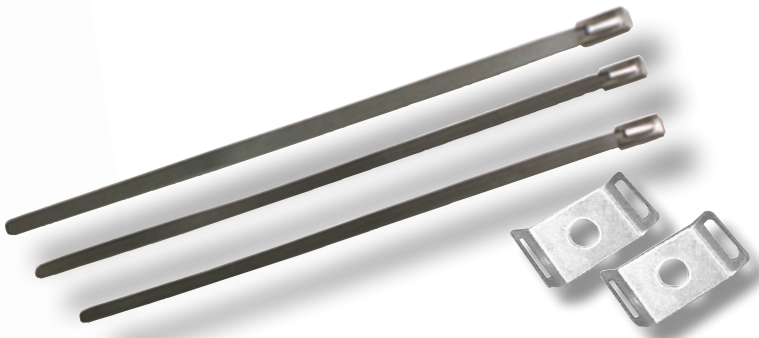
Part No	Description	Colour	Pk Qty
HSSMCP364	6.4mm, 3 x 250mm lengths	5 Colours	1
HSSMCP395	9.5mm, 3 x 250mm lengths		
HSSMCP3127	12.7mm, 3 x 250mm lengths		
HSSMCP2191	19.1mm, 2 x 250mm lengths		
HSSMCP2254	25.4mm, 2 x 250mm lengths		

# Catenary Wire



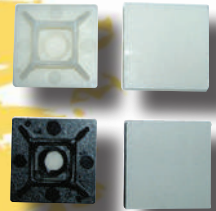
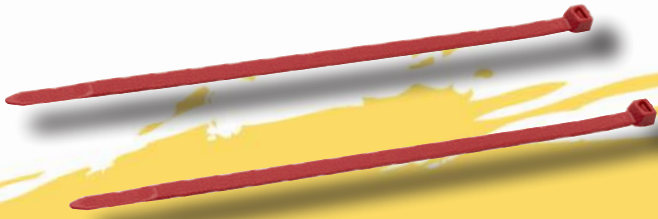
Part No	Description	Product Information	Pk Qty
<b>CWK30</b>	Catenary Wire Kit Includes - 3mm x 30M wire 4 x CWG, 2 x CWE, 1 x CWT, 1 x WRP and 1 x WHP	-	1
<b>CW30</b> <b>CW50</b> <b>CW100</b>	Catenary Wire 3mm 500Kg breaking strain	30M 50M 100M	1
<b>CWT</b> <b>WRP</b> <b>WHP</b> <b>CWE</b> <b>CWG</b> <b>GA3</b> <b>WP</b>	4" Strainer / Tensioner Ring Plate Hook Plate Eye Grip Gripple 2 - 3mm Wall Plate	-	1 1 1 25 1 10 1

# Cable Ties



Part No	Description	Dimensions	Pk Qty
<b>150/46SS</b> <b>200/46SS</b> <b>300/46SS</b> <b>360/46SS</b> <b>520/46SS</b>	Stainless Steel Cable Ties Grade:AISI.304 Roller ball locking	L160 x W4.6mm L200 x W4.6mm L300 x W4.6mm L360 x W4.6mm L520 x W4.6mm	100
<b>SSBM4</b>	Stainless Steel Base	L28.3 x W15.1 x H5.1mm	100
<b>SSBM6</b>	Stainless Steel grade AISI.304	L28.3 x W15.1 x H5.1mm	
<b>075/22B</b> <b>098/25B</b> <b>140/36B</b> <b>160/45B</b> <b>200/28B</b> <b>200/48B</b> <b>240/78B</b> <b>290/48B</b> <b>300/07B</b> <b>360/48B</b> <b>370/78B</b> <b>530/09B</b>	Nylon Cable Ties	L80 x W2.5mm L100 x W2.5mm L140 x W3.5mm L180 x W4.8mm L200 x W2.5mm L200 x W4.5mm L250 x W7.0mm L280 x W4.8mm L300 x W7.0mm L350 x W4.8mm L370 x W7.0mm L530 x W9.0mm	100
<b>075/22C</b> <b>098/25C</b> <b>140/36C</b> <b>160/45C</b> <b>200/28C</b> <b>200/48C</b> <b>240/78C</b> <b>290/48C</b> <b>300/07C</b> <b>360/48C</b> <b>370/78C</b>	Nylon Cable Ties	L80 x W2.5mm L100 x W2.5mm L140 x W3.5mm L180 x W4.8mm L200 x W2.5mm L200 x W4.5mm L250 x W7.0mm L280 x W4.8mm L300 x W7.0mm L350 x W4.8mm L370 x W7.0mm	100

# Cable Ties & Accessories



Part No RED	Description	Dimensions	Pk Qty
<b>140/36R</b>	Red Cable Ties Nylon	L140 x W3.5mm	100
<b>200/28R</b>		L200 x W2.5mm	
<b>200/48R</b>		L200 x W4.5mm	
<b>290/48R</b>		L280 x W4.8mm	
<b>370/78R</b>		L370 x W7.0mm	

Part No	Description	Cable Dimensions	Actual Dimensions	Pk Qty
<b>19/19</b>	Self Adhesive Base - Clear	ø 3.6mm	H19 x W19mm	<b>100</b>
<b>19/19B</b>	Self Adhesive Base - Black			
<b>27/27</b>	Self Adhesive Base - Clear	ø 4.8mm	H27 x W27mm	
<b>27/27B</b>	Self Adhesive Base - Black			

## Perforated Bands



Part No	Description	Dimensions	Pk Qty
<b>PFBB12N</b>	Perforated Fixing Bands Black Powder Coated	L10M x W12mm x 10.8mm hole size, 5mm	1
<b>PFBB17N</b>		L10M x W17mm x 10.8mm hole size, 7mm	
<b>PFBG12N</b>	Perforated Fixing Bands Galvanised	L10M x W12mm x 10.8mm hole size, 5mm	
<b>PFBG17N</b>		L10M x W17mm x 10.8mm hole size, 7mm	

# Screws



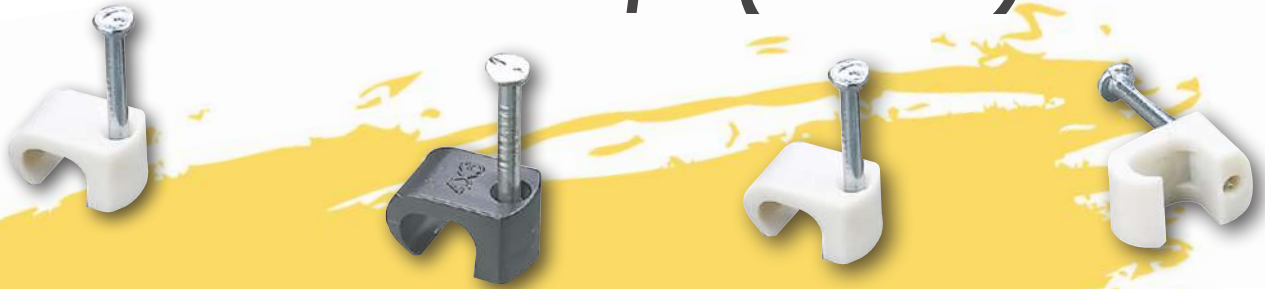
Part No	Description	Finish	Pk Qty	Dimensions
<b>4X6</b> <b>4X8</b> <b>4X10</b> <b>4X12</b> <b>4X16</b> <b>4X20</b> <b>4X25</b> <b>4X35</b> <b>4X40</b> <b>4X50</b>	Panhead Screws Brass 4mm	Brass	1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 100	6mm 8mm 10mm 12mm 16mm 20mm 25mm 35mm 40mm 50mm
<b>3/4X8PCT</b> <b>1X8PCT</b> <b>1X10PCT</b> <b>11/4X8PCT</b> <b>11/4X10PCT</b> <b>11/2X8PCT</b> <b>11/2X10PCT</b> <b>2X8PCT</b>	Pozi-Drive Woodscrews BZP	Bright Zinc Plated	200	3/4" x 8 1" x 8 1" x 10 11/4" x 8 11/4" x 10 11/2" x 8 11/2" x 10 2" x 8
<b>SD100</b>	Cavity Wall Fixings Complete with screws self drilling 35mm screw length	Zinc	-	100
<b>3.5X35B</b> <b>3.5X50B</b> <b>3.5X16NP</b> <b>3.5X25NP</b> <b>3.5X35NP</b> <b>3.5X50NP</b> <b>3.5X60NP</b> <b>3.5X75NP</b>	Switch & Socket Screws Raised countersunk 3.5mm	Brass Brass Nickel Plated Nickel Plated Nickel Plated Nickel Plated Nickel Plated Nickel Plated	35mm 50mm 16mm 25mm 35mm 50mm 60mm 75mm	100

## Cable Clips (Twin & Earth), Roofing Nuts & Expansion Plugs



Part No	Description	Dimensions	Pk Qty
<b>CCF1.5G</b>	Flat 1 - 1.5mm Grey	H 7.3mm	1000
<b>CCF2.5G</b>	Flat 2.5mm Grey	H 8.2mm	
<b>CCF4G</b>	Flat 4mm Grey	H 8.5mm	
<b>CCF10G</b>	Flat 10 - 16mm Grey	H 11.5mm	
<b>CCFD1.5G</b>	Flat Double 1 - 1.5mm Grey	H 9.3mm	
<b>CCFD2.5G</b>	Flat Double 2.5mm Grey	H 8.4mm	
<b>RB12</b> <b>RB20</b> <b>RB25</b> <b>RB35</b> <b>RB50</b>	Roofing Nuts & Bolts BZP M6	Bright Zinc Plated	200 200 200 200 100
<b>51AP2</b>	Screw size = 6 - 10 Drill size = 5.5/6mm	Red	1000
<b>51AP3</b>	Screw size = 8 - 12 Drill size = 7mm	Brown	

## Cable Clips (Round)



Part No	Description	Dimensions	Pk Qty
<b>CCR3B</b>	Round 3 - 5mm Black	H 3 - 5mm	1000
<b>CCR3W</b>	Round 3 - 5mm White	H 3 - 5mm	
<b>CCR5B</b>	Round 5 - 7mm Black	H 5 - 7mm	
<b>CCR5W</b>	Round 5 - 7mm White		
<b>CCR7B</b>	Round 7 - 10mm Black	H 7 - 10mm	
<b>CCR7W</b>	Round 7 - 10mm White		
<b>CCR10B</b>	Round 10 - 14mm Black	H 10 - 14mm	
<b>CCR10W</b>	Round 10 - 14mm White		
<b>CCR14B</b>	Round 14 - 20mm Black	H 14 - 20mm	500
<b>CCR14W</b>	Round 14 - 20mm White		500



# Self Adhesive Fixing Clips & Zebedees



Part No	Description	Cable Dimensions	Actual Dimensions	Pk Qty
<b>SAF0</b> <b>SAF1</b> <b>SAF2</b> <b>SAF3</b> <b>SAF4</b>	Fixing Clip with self adhesive base	ø 3mm ø 4mm ø 8mm ø 12mm ø 16mm	H20 x W14mm H29 x W19mm H36 x W24mm H45 x W32mm H54 x W38mm	100
<b>SAFTC</b>	Cable Tie Carrier 10mm	ø 10mm	H38 x W25mm	

Part No	Description	Dimensions	Pk Qty
<b>ZM6N</b> <b>ZM8N</b> <b>ZM10N</b> <b>ZM12N</b>	Spring Nuts / Channel Nuts 'Zebedees' No Springs	ø 6mm ø 8mm ø 10mm ø 12mm	100
<b>ZM6S</b> <b>ZM8S</b> <b>ZM10S</b> <b>ZM12S</b>	Spring Nuts / Channel Nuts 'Zebedees' Short Springs	ø 6mm ø 8mm ø 10mm ø 12mm	
<b>ZM6L</b> <b>ZM8L</b> <b>ZM10L</b> <b>ZM12L</b>	Spring Nuts / Channel Nuts 'Zebedees' Long Springs	ø 6mm ø 8mm ø 10mm ø 12mm	

# Conduit & Cable Tool Accessories



Part No	Description
<b>GCPBN</b>	Conduit Pipe Bender Bends steel pipe 20 - 25mm Dia.
<b>BSET</b>	B Type Set 20 & 25mm Die, Guide & Stock
<b>DSET32</b>	D Type Set 32mm
<b>20D</b>	Die B Type 20mm
<b>25D</b>	Die B Type 25mm

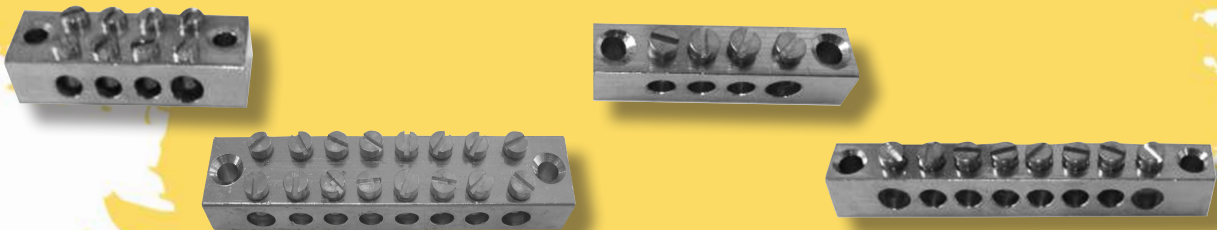
Part No	Description	Colour	Pk Qty
<b>EWT</b>	Electrical Warning Tape 365m length	Yellow	1 x 365m reel

## Brass Full Nuts & Washers



Part No	Description	Finish	Dimensions	Pk Qty
<b>2BAW</b>	Washers	Brass	2BA	500
<b>4W</b>	Brass		4mm	
<b>2BAN 3.5N 4N</b>	Full Nuts Brass	Brass	2BA	500
			3.5mm	
			4mm	

## Brass Earthing Blocks



Part No	Description	Terminal Hole Size	Pk Qty
<b>4WEB</b>	Brass Earthing Block with plating finish Double pole 4 way	1 x 25mm 3 x 16mm	20
<b>8WEB</b>	Brass Earthing Block with plating finish Double Pole 8 way	2 x 25mm 6 x 16mm	20
<b>4WEBS</b>	Brass Earthing Block with plating finish Single Pole 4 way	1 x 25mm 3 x 16mm	25
<b>8WEBS</b>	Brass Earthing Block with plating finish Single Pole 8 way	2 x 25mm 6 x 16mm	25

# Connector Blocks



Part No	Description	Product Information	Pk Qty
<b>CB1</b>	100A 25mm <sup>2</sup>	Single pole, 5 way 132g, H64 x W47 x D38mm	20
<b>CB3</b>	100A 35mm <sup>2</sup>	Single pole, 5 way 188g, H64 x W47 x D38mm	20
<b>CB2</b>	100A 25mm <sup>2</sup>	Double pole, 2 x 5 way 290g, H89 x W65 x D55mm	10
<b>CB6</b>	100A 35mm <sup>2</sup>	Double pole 2 x 5 way 493g, H104 x W66 x D67mm	10
<b>CB9</b>	200A 70mm <sup>2</sup>	Single pole, 6 way 585g, H125 x W64 x D55mm	1
<b>CB35S</b>	100A 25mm <sup>2</sup>	Single pole, 1 x 5 way 132g H64.5 x W47 x D37mm	20
<b>CB35D</b>	100A 35mm <sup>2</sup>	Double pole, 2 x 5 way 188g H103.7 x W68.6 x D68mm	10

	Weight (g)	H (mm)	W (mm)	D (mm)
<b>CB1</b>	132	64	47	38
<b>CB2</b>	290	89	65	55
<b>CB3</b>	188	64	47	38
<b>CB6</b>	493	104	66	67
<b>CB9</b>	585	125	64	55

# JUNCTION BOXES



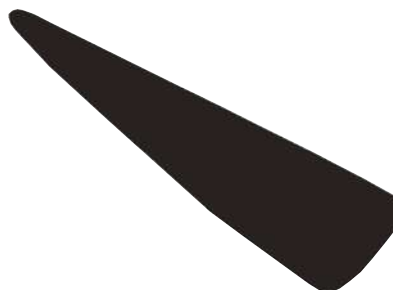
Part No	Description	Product Information	Pk Qty
<b>GB2299</b>	Mini Junction Box 20A	2 x 1.5mm <sup>2</sup> 49g ø58mm	10
<b>GB2620</b> <b>GB2620B</b>	Standard Junction Box 5A	2 x 1.5mm <sup>2</sup> 49g ø60mm	10
<b>GB2621</b>	Standard Junction Box 20A	3 x 1.5mm <sup>2</sup> 78g ø75mm	10
<b>GB2622</b>	Standard Junction Box 30A	3 x 2.5mm <sup>2</sup> 85g ø75mm	10
<b>GB2618</b> <b>GB2618B</b>	HD Junction Box 20A	4 x 1.5mm <sup>2</sup> 145g ø90mm	10
<b>GB2298</b> <b>GB2298B</b>	HD Junction Box 20A	4 x 1.5mm <sup>2</sup> 170g ø90mm	10

## Cable Jointing Kits. Cable Clamps & Cleats



Part No	Description	Thread $\varnothing$	Pk Qty
<b>NP3</b>	Cable Cleats	$\varnothing$ 7.6mm	w100
<b>NP4</b>		$\varnothing$ 10.2mm	100
<b>NP5</b>		$\varnothing$ 12.7mm	100
<b>NP6</b>		$\varnothing$ 15.2mm	100
<b>NP7</b>		$\varnothing$ 17.8mm	100
<b>NP8</b>		$\varnothing$ 20.3mm	100
<b>NP9</b>		$\varnothing$ 22.8mm	100
<b>NP10</b>		$\varnothing$ 25.4mm	100
<b>NP11</b>		$\varnothing$ 27.7mm	50
<b>NP12</b>		$\varnothing$ 30.4mm	50
<b>NP14</b>		$\varnothing$ 35.6mm	50
<b>NP16</b>		$\varnothing$ 40.6mm	50
<b>NP18</b>		$\varnothing$ 45.7mm	20
<b>NP20</b>		$\varnothing$ 50.8mm	50

## Brass Earth Tags



Part No	Description	Terminal Hole Size	Pk Qty
<b>20ET</b>	Earth Tags - Brass	ø 20mm	100
<b>25ET</b>		ø 25mm	100
<b>20BS</b>	PVC Black Tapered Shroud 20mm	-	10

## Surface Boxes PVC



Part No	Description	Mini Trunking K/O Dimensions & Qty	∅ 20mm Conduit K/O Qty	Pk Qty
<b>RC1</b>	1 Gang, 32mm deep Round corners	H25 x W15mm Qty 1	1	20
<b>RC1E</b>	Economy off White			
<b>RC2</b>	2 Gang, 32mm deep Round corners	H25 x W15mm Qty 3	3	10
<b>RC2E</b>	Economy off White			
<b>SC1</b>	1 Gang, 32mm deep Square corners	H25 x W15mm Qty 1	1	20
<b>SC1E</b>	Economy off White			
<b>SC2</b>	2 Gang, 32mm deep Square corners	H25 x W15mm Qty 3	3	10
<b>SC2E</b>	Economy off White			



# Channel PVC & Conduit PVC



Part No	Description	Dimensions	Pk Qty
<b>CH05</b>	High Impact PVC Channel	ø 13mm x L2M	100M
<b>CH10</b>		ø 26mm x L2M	
<b>CH15</b>		ø 39mm x L2M	

Part No WHITE / BLACK	Description	Dimensions	Pk Qty
<b>HC20W</b>	Heavy gauge Circular PVC Conduit Tube	ø 20mm x L3M	90M
<b>HC25W</b>		ø 25mm x L3M	
<b>HC20B</b>		ø 20mm x L3M	
<b>HC25B</b>		ø 25mm x L3M	
<b>LC20</b>	Light gauge Circular PVC Conduit Tube	ø 20mm x L3M	90M
<b>LC25</b>		ø 25mm x L3M	90M
<b>OC05</b>	Oval PVC Conduit Tube	ø 13mm x L3M	150M
<b>OC06</b>		ø 16mm x L3M	
<b>OC07</b>		ø 20mm x L3M	
<b>OC10</b>		ø 26mm x L3M	

# Conduit Fittings & Accessories



Part No WHITE / BLACK	Description	Dimensions	Pk Qty
<b>P1WAY20W</b> <b>P1WAY25W</b> <b>P1WAY20B</b> <b>P1WAY25B</b>	Terminal Box	ø 20mm ø 25mm ø 20mm ø 25mm	20
<b>P2WAY20W</b> <b>P2WAY25W</b> <b>P2WAY20B</b> <b>P2WAY25B</b>	Through Box	ø 20mm ø 25mm ø 20mm ø 25mm	
<b>PANGLE20W</b> <b>PANGLE25W</b> <b>PANGLE20B</b> <b>PANGLE25B</b>	Angle Box	ø 20mm ø 25mm ø 20mm ø 25mm	
<b>P3WAY20W</b> <b>P3WAY25W</b> <b>P3WAY20B</b> <b>P3WAY25B</b>	Tee Box	ø 20mm ø 25mm ø 20mm ø 25mm	
<b>P4WAY20W</b> <b>P4WAY25W</b> <b>P4WAY20B</b> <b>P4WAY25B</b>	4 Way Box	ø 20mm ø 25mm ø 20mm ø 25mm	

## Conduit Fittings & Accessories



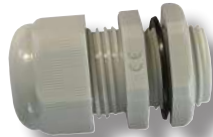
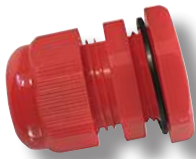
Part No WHITE / BLACK	Description	Dimensions	Pk Qty
<b>PLOOPW</b> <b>PLOOPB</b>	Loop-in Box	ø 20mm	20
<b>PCCW</b> <b>PCCB</b>	Circular Covers	ø 65mm	100
<b>PSTB20W</b> <b>PSTB25W</b> <b>PSTB20B</b> <b>PSTB25B</b>	Slip Bends	ø 20mm ø 25mm ø 20mm ø 25mm	20 10 25 20
<b>PIB20W</b> <b>PIB25W</b> <b>PIB20B</b> <b>PIB25B</b>	Inspection Bends	ø 20mm ø 25mm ø 20mm	20
<b>PIE20W</b> <b>PIE20B</b>	Inspection Elbows	ø 20mm	20
<b>PIT20W</b> <b>PIT25W</b> <b>PIT20B</b> <b>PIT25B</b>	Inspection Tees	ø 20mm ø 25mm ø 20mm ø 25mm	20
<b>PMB20W</b> <b>PMB25W</b> <b>PMB20B</b>	Male Bushes	ø 20mm ø 25mm ø 20mm	100
<b>PSB20W</b> <b>PSB20B</b> <b>PSB25B</b>	Spacer Bar Saddles	ø 20mm ø 20mm ø 25mm	100 100 50

# Conduit Fittings & Accessories



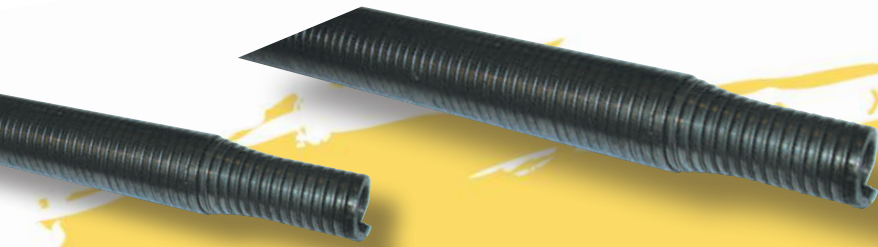
Part No WHITE / BLACK	Description	Dimensions	Pk Qty
<b>PRCC20W</b> <b>PRCC25W</b> <b>PRCC20B</b> <b>PRCC25B</b>	Round Conduit Clips	ø 20mm ø 25mm ø 20mm ø 25mm	200 50 200 100
<b>POCC16W</b> <b>POCC20W</b> <b>POCC25W</b>	Oval Conduit Clips	ø 16mm ø 20mm ø 25mm	100
<b>PC20W</b> <b>PC25W</b> <b>PC20B</b> <b>PC25B</b>	Straight Couplers	ø 20mm ø 25mm ø 20mm ø 25mm	100 50 100 50
<b>PEC20W</b> <b>PEC20B</b>	Expansion Couplers	ø 20mm ø 20mm	50 50
<b>PMA20W</b> <b>PMA25W</b> <b>PMA20B</b> <b>PMA25B</b>	Male Adaptors	ø 20mm ø 25mm ø 20mm ø 25mm	100 50 100 100
<b>PFA20W</b> <b>PFA25W</b> <b>PFA20B</b> <b>PFA25B</b>	Female Adaptors	ø 20mm ø 25mm ø 20mm ø 25mm	100 50 100 50
<b>PR2520W</b> <b>PR2520B</b>	Reducer	ø 25 x 20	100
<b>PLN20W</b> <b>PLN20B</b> <b>PLN25B</b>	Hexagonal Locknuts	ø 20 ø 25	100
<b>PLR20W</b> <b>PLR25W</b>	Lockrings	ø 20 ø 25	200 200

## PVC Cable Glands



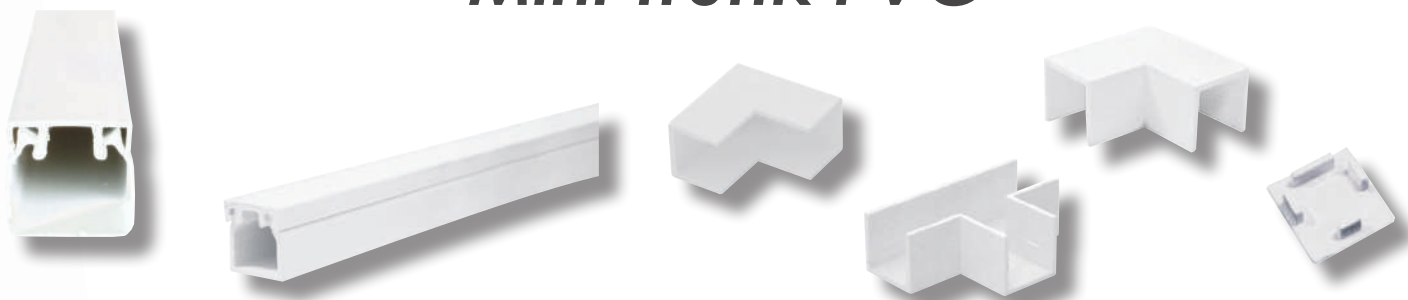
Part No	Description	Colour	Pk Qty
<b>DTG20BS</b>	IP68	Black	10
<b>DTG20GS</b>	20mm (small)	Grey	
<b>DTG20RS</b>	Cable Range	Red	
<b>DTG20WS</b>	3 - 7mm	White	
<b>DTG20BL</b>	IP68	Black	10
<b>DTG20GL</b>	20mm (long)	Grey	
<b>DTG20RL</b>	Cable Range	Red	
<b>DTG20WL</b>	10 - 14mm	White	
<b>DTG25B</b>	IP68	Black	10
<b>DTG25G</b>	25mm	Grey	
<b>DTG25R</b>	Cable Range	Red	
<b>DTG25W</b>	13 - 18mm	White	
<b>DTG32B</b>	IP68	Black	10
<b>DTG32G</b>	32mm	Grey	
<b>DTG32W</b>	Cable Range 18 - 25mm	White	

# Bending Springs & PVC Adhesive



Part No	Description	Product Information	Pk Qty
<b>20BSH</b>	Heavy gauge Bending Springs (Green)	ø 20mm	1
<b>25BSH</b>		ø 25mm	
<b>32BSH</b>		ø 32mm	
<b>38BSH</b>		ø 38mm	
<b>20BSL</b>	Light gauge Bending Springs (Red)	ø 20mm	1
<b>25BSL</b>		ø 25mm	

## Mini Trunk PVC



Part No	Description	Dimensions	Pk Qty
<b>NMT1</b>	Mini Trunking High impact PVC	H16mm x W16mm	75M
<b>NMT2</b>		H16mm x W25mm	75M
<b>NMT3</b>		H16mm x W40mm	30M
<b>NMT4</b>		H25mm x W40mm	30M
<b>NMT5</b>		H25mm x W50mm	30M
<b>SAMT1</b>	Mini Trunking High impact PVC	<b>Trunking dimensions</b> H16mm x W16mm	75M
<b>SAMT2</b>	Self adhesive	H16mm x W25mm	
<b>EA1</b>	External Angle	H16mm x D16mm	10
<b>EA2</b>		H16mm x D25mm	
<b>FA1</b>	Flat Angle	H16mm x D16mm	10
<b>FA2</b>		H16mm x D25mm	
<b>IA1</b>	Internal Angle	H16mm x D16mm	10
<b>IA2</b>		H16mm x D25mm	
<b>FT1</b>	Flat Tee	H16mm x D16mm	10
<b>FT2</b>		H16mm x D25mm	
<b>C1</b>	Coupling	H16mm x D16mm	10
<b>C2</b>		H16mm x D25mm	
<b>SE1</b>	Stop End	H16mm x D16mm	10
<b>SE2</b>		H16mm x D25mm	

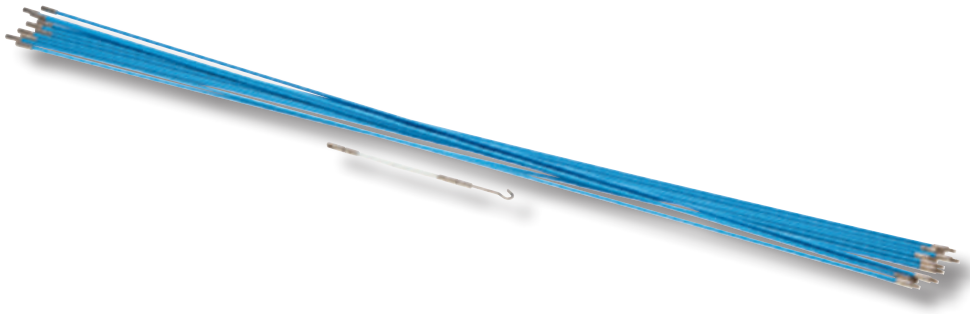
## Conduit Kit PVC



Part No	Description	Product Information	Pk Qty
<b>20CK</b>	PVC Flexible Conduit Contractor Pack	Pack contains - 10M of flexible conduit x 10 nylon swivel fittings x 10 nylon locknuts	10M conduit
<b>25CK</b>			
<b>20CKG</b>	Spare glands for contractor pack	ø 20mm	10
<b>25CKG</b>		ø 25mm	

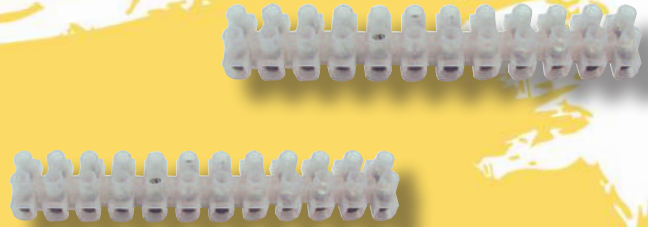


## Draw Rods



Part No	Description	Pk Qty
<b>DR10</b>	10M Draw Rod Kit Contains - 10 x 4mm x 1M GRP rods 1 Mini Eye, 1 x Mini Hook, 1 x Flexi Lead (130mm x 4mm)	1

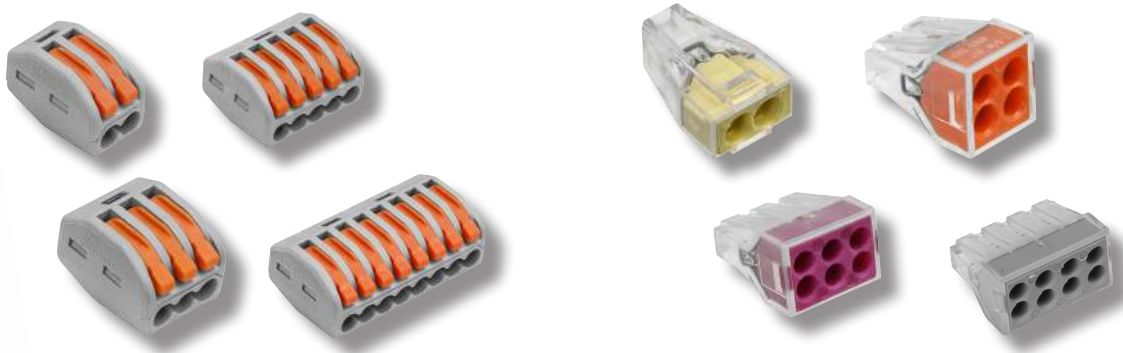
# Draw-in Tapes & Connector Strips



Part No	Description	Length	Pk Qty
<b>10NDT</b>	Draw-in Tapes, Nylon, 3mm	10M	1
<b>20NDT</b>		20M	
<b>30NDT</b>		30M	

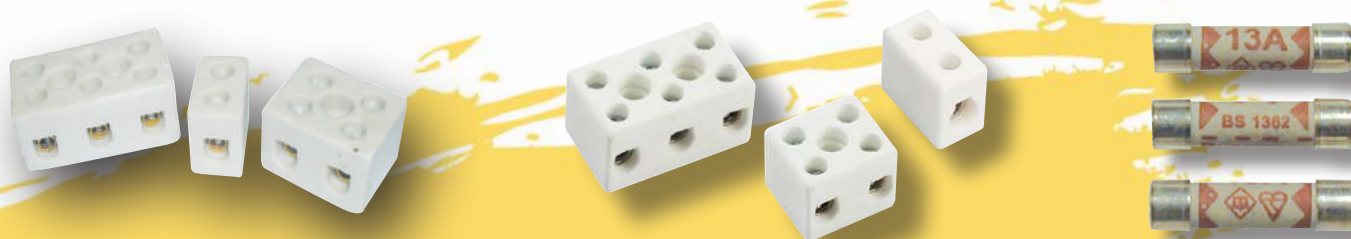
Part No	Description	Amps	Pk Qty
<b>2SC</b>	Polyethylene 12 way Strip Connectors Clear	3A	10
<b>5SC</b>		5A	
<b>10SC</b>		10A	
<b>15SC</b>		15A	
<b>30SC</b>		30A	
<b>60SC</b>		60A	
<b>NYC5</b> <b>NYC15</b> <b>NYC30</b>	Nylon 12 way Strip Connectors Black	5A 15A 30A	

## Lever & Push Fit Connectors



Part No	Description	Current	Pk Qty
<b>LC2P</b>	2 Pole Lever Connector 230V	32A	100
<b>LC3P</b>	3 Pole Lever Connector 230V		
<b>LC5P</b>	5 Pole Lever Connector 230V		50
<b>LC8P</b>	8 Pole Lever Connector 230V		
<b>PFC2</b>	2 Push-Fit Connector 250V	24A	100
<b>PFC4</b>	4 Push-Fit Connector 250V		
<b>PFC6</b>	6 Push-Fit Connector 250V		
<b>PFC8</b>	8 Push-Fit Connector 250V		

# Connector - Porcelain & Fuses



Part No	Description	Poles	Fix Holes mm	Dimensions	Pk Qty
<b>PC51</b>	5A Porcelain Connectors	1	0	H15 x W18 x L11mm	25
<b>PCC52</b>		2	1 x 4	H15 x W18 x L23mm	25
<b>PCC53</b>		3	2 x 4	H15 x W18 x L33mm	10
<b>PCC152</b>	15A Porcelain Connectors	2	1 x 5	H15 x W23 x L26mm	20
<b>PCC153</b>		3	2 x 5	H15 x W23 x L40mm	10
<b>PC301</b>	30A Porcelain Connectors	1	0	H19 x W26 x L16mm	20
<b>PCC302</b>		2	1 x 4	H19 x W26 x L32mm	10
<b>PCC303</b>		3	2 x 4	H19 x W26 x L47mm	10

Part No	Description	Dimensions	Pk Qty
<b>2AF</b>	Cartridge Fuses with ceramic body 1" long Conforms to BS 1362	2A	100
<b>3AF</b>		3A	
<b>5AF</b>		5A	
<b>7AF</b>		7A	
<b>10AF</b>		10A	
<b>13AF</b>		13A	

## Cable Protectors



Part No	Description	Product Information
<b>CPS</b>	Cable Protector small PVC	H11mm x W64mm x L9M Internal cavity: H6.4 x W16mm Ribbed surface Slit back
<b>CPM</b>	Cable Protector Medium PVC	H16mm x W76mm x L9M Internal cavity: H9.5 x 19mm Ribbed surface Slit back
<b>CPL</b>	Cable Protector Large PVC	H25mm x W76mm x L9M Internal cavity: H16 x W38mm Ribbed surface Slit back

Part No	Description	Dimensions	Pk Qty
<b>SP1</b>	Safeplate	50 x 76mm	100

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# NOTES



# Terms & Conditions

## Greenbrook Industries Ltd – CONDITIONS OF SALE APPLICATION CONDITIONS TO ALL CONTRACTS

The following General Conditions of Sale shall apply to all Contracts for the sale of the Company's goods so far as the same are not varied by or inconsistent with such Special Conditions as may be agreed to between the Company and its customers in particular instances. Brochures advertising or other matter issued by or on behalf of the Company shall not form part or be admissible as evidence in any proceedings by or against the Company in relation to all contracts entered into with the Company for work done or goods supplied. These conditions will prevail at all times over any terms of conditions attached to the buyer's order form or acceptance or contained on any other written or oral intimation. Special conditions can only be agreed in writing and signed on behalf of the Company by a Director. Any such special conditions shall only apply to that particular transaction all other conditions herein shall remain in full force and effect.

### **CONFIRMATION OF ORDERS**

No order whether given by a customer verbally or in writing shall constitute a contract unless and until its acceptance embodying these conditions and any special conditions as may be agreed upon has been confirmed by the company in writing. No orders given and accepted as aforesaid shall be countermanded without the Company's consent in writing and it is an implied condition of such cancellation that the customer shall indemnify the Company against all loss and expenses occasioned thereby. No clerical errors or omissions in quotations or acceptances of orders shall annul the sale but shall be subject to subsequent correction by the Company and no compensation shall be allowed to the customer in respect thereof.

### **PRICES**

Prices and discounts are subject to alteration without notice.

### **PAYMENT**

Payment of invoices shall, unless otherwise agreed in writing, be made in full without any deduction or set-off by the due date stated on the invoice.

Failure to make due payment in respect of any deliveries or instalments under this or any other contract between the buyer and the Company shall entitle the Company to delay, suspend or cancel deliveries in whole or in part at its option.

Payment of all invoices shall be made within 30 days of the date of the invoice unless otherwise agreed in writing. Any extension of credit allowed to the buyer may be changed or withdrawn at any time.

If payment is not made in full by the due date stated on the invoice:

the Company reserves the right to charge interest to the buyer at the rate of 2% per month on the unpaid balance (such interest to accrue on a day to day basis from the due date for payment until receipt by the Company of the full amount whether before or after any judgement); and

the buyer shall indemnify the Company against all costs and expenses (including any legal costs and expenses on a full indemnity basis) incurred or sustained by the company in recovering sums due or in exercising its right pursuant to Clause 1 in each case without prejudice to any other rights or remedies available to the Company.

Payment shall be due whether or not property in the goods has passed by virtue of Clause 1 above and the Company shall (without prejudice to any other right or remedy) accordingly be entitled to sue for the price once the same is due even if property in the goods has not passed.

### **RISK AND TITLE TO GOODS**

The risk in the goods passes to the buyer upon delivery but property in the goods remains vested in the Company and shall only pass from the Company to the buyer upon full payment being made by the buyer of all sums due on whatsoever account or grounds to the Company from the buyer. In the event of the goods being sold by the buyer in such manner as to pass to a third party a valid title to the goods, whilst any such sums are due as aforesaid, the buyer shall place such proceeds in a separate bank account. The Company's right under this sub-clause (a) shall attach to the proceeds of such sale. Nothing herein shall constitute the buyer the agent of the Company for the purposes of any such sub-sale.

The buyer agrees that prior to full payment being made as aforesaid, the Company may at any time repossess the goods and enter upon the buyer's premises and remove the goods there-from (and dispose of the same in any manner it may decide) and that prior to such payment the buyer shall keep such goods as fiduciary agent and bailee and separate and identifiable for this purpose.

In the event of the goods becoming constituents of or being converted into other products whilst sums are due as provided in sub-clause (a) hereof, the Company shall have the ownership of and title to such other products (but not by way of a charge) as if they were the goods and accordingly this clause 1 shall so far as appropriate apply to such other products subject to the buyer's right to the surplus of any monies realised by the said products in excess of those due to the Company as provided herein.

Any implied authority that the buyer shall be entitled to sell the goods as pass property in the same to third parties in the normal course of its business or manufacture products out of the same or sell such products will continue until otherwise notified to the buyer by the Company or until the happening of any of the following events (whichever is earlier):

Any notice to the buyer that an Administrative Receiver or other Receiver or Manager is to be or has been appointed in respect of its undertaking or a material part thereof or other property or assets;

any notice to the buyer that a petition to wind up the buyer is to be or has been presented to the buyer under

# Terms & Conditions

any notice to the buyer that a petition to wind up the buyer is to be or has been presented to the buyer under Section 124 of the Insolvency Act 1986 or otherwise or any notice to the buyer of a proposal to pass a Resolution to wind up the buyer (including any proposal by the buyer so to do); a decision by the buyer to make a voluntary arrangement or composition with its creditors or any notice to the buyer and/or any of its creditors that a proposal for the same is to be or has been made; the buyer becoming unable to pay its debts as such expression is defined by the Insolvency Act 1986; or any notice to the buyer that it is to be the subject of a petition for an Administration Order presented to the Courts or the making of any Administration Order in respect of the buyer; and upon the happening of any such events the buyer shall immediately notify a director (or other authorised executive) of the company. On receipt of written notice from the Company or on the happening of any of the events set out in sub-clause (d) above, the buyer's implied authority to sell the Company's goods shall immediately be withdrawn and all such goods and products made there-from shall immediately be delivered to the Company. The buyer shall insure and keep insured the goods to their full value against all normal commercial risks until the date that the property in the goods passes from the Company and shall whenever requested by the Company produce a copy of the policy of insurance. Without prejudice to any other rights of the Company, if the buyer fails to comply fully with the terms of this sub-clause, all sums whatever owing by the buyer to the company shall immediately become due and payable.

## **DELIVERY**

Minimum carriage paid orders £175 (mainland UK only). £10.00 carriage charge for any orders under £75 and up to 25kg in weight. Above 25kg charged as advised.

If goods are carried and delivered by the Company or any other carrier for the care, carriage and unloading thereof whether by the Company's servants or otherwise shall in all respects be at the customer's cost and risk and no compensation or damage will be paid by the Company for the loss, damage, delay, detention or mis-delivery, whether caused by the act or default of the Company or its Servants or by accident or otherwise. The customer shall notify the Company and the carrier within 3 days of delivery of any shortage or damage to goods caused in transit or any irregularity in the carriage or delivery of the goods and in the prosecution of any claim in respect thereof the company shall be the agent of the customer who before giving the carrier a receipt for the goods tendered shall examine them and if unable to do so shall sign for the same unexamined. Non delivery of goods must be reported to the Company within 3 days of receipt of invoice otherwise the Company cannot accept responsibility for any loss.

## **TIME FOR DELIVERY**

Any dates quoted for delivery of goods are approximate only and the Company shall not be liable for any delay in delivery of the goods howsoever caused. Time for delivery shall not be of the essence unless previously and expressly agreed by the Company in writing.

## **DEFECTIVE GOODS**

The use of any description of goods sold shall not constitute a contract for the sale thereof a sale by description and whether or not the customer inspects the goods either before or after delivery no warranty or guarantee shall be implied as to the quality, state, condition or fitness of the goods for the purposes for which they are required. All warranties, if given, must be by special condition written on or referring in writing to the Company's Order Acknowledgement Form in question and signed by a Director or Secretary of the Company. Subject as aforesaid the Company undertakes to replace or repair such goods or parts thereof which the customer shall have returned to the Company's Works or to such Works as the Company shall direct which in the opinion of the Company shall require replacement and repair owing to the same being defective in design material or workmanship.

## **LIEN**

In addition to any right of lien to which the Company may by law be entitled the Company shall be entitled to a general lien on all goods of the customer in the Company's possession (although such goods or some of them may have been paid for) for the unpaid price of any other goods sold and delivered under this or any other contract.

## **RETURN OF GOODS**

Goods will only be accepted for return if a Returns Authorisation Number has been issued. Goods returned without the Company's consent in writing will not be accepted for credit. All returned goods are returned at the customer's cost.

## **ILLUSTRATIONS AND SPECIFICATIONS**

The illustrations are typical and cannot be held as binding. The specification is the current specification and the Company reserve the right to alter or vary the specification without notice.

# Terms & Conditions

## **DATA PROTECTION**

We may transfer information about you to our bankers/financiers for the purposes of providing services and for the following purposes:-

Obtaining credit insurance

Making credit reference agency searches

Credit control

Assessment and analysis (including credit scoring, market, product and statistical analysis)

Securitisation

Protecting our interests

We will provide you with details of our bankers/financiers and that of any credit reference agencies used on request.

Any data collected is processed in accordance with our GDPR policy. For full details of our Partner Privacy Notice please see the website [www.greenbrook.co.uk](http://www.greenbrook.co.uk)

## **GOVERNING LAW**

The contract shall be deemed to be made in England and its interpretation, validity and performance shall in all respects be governed by the laws of England.

Errors and omissions excepted (E&OE)

# GREEN BROOK

West Road . Harlow . Essex . CM20 2BG  
[www.greenbrook.co.uk](http://www.greenbrook.co.uk)

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