GREEN BROOK
ELECTRICAL PLC

PowerBreaker THE FIRST SINCE 1975

KS KingShield

ToolShield

NORSLO

Product Catalogue
2015/2016

GREEN
BROOK
ELECTRICAL PLC

Welcome to our new catalogue

Thank you for your interest in GreenBrook Electrical. Inside our catalogue you will find an exceptional range of products manufactured to a high quality to suit all your installation requirements.

Products

- Four great brands offering products to satisfy all your electrical installations
- Unique selection of designed products giving more choice and better functionality
- High levels of quality and durability
- Competitive Pricing

Conformity

- All products certified to latest British and European standards
- All products tested in our own UK laboratories
- GreenBrook are registered to ISO9001:2008 Quality Management system
- Fully compliant with all RoHS, WEEE and REACH regulations

Customer Service

- Nationwide sales team focused on satisfying customer needs
- Dedicated Export team, servicing accounts world-wide
- Modern warehouse operation - offering next day delivery for UK orders received by 3pm
- Peace of mind - we will do our best to answer any questions you may have
- Top class marketing and promotion with maximum customer support

Useful Contacts

Address	West Road, Harlow, Essex, CM20 2BG
Telephone	+44 (0)1279 772 772
Fax	+44 (0)1279 422 007
E -Mail	sales@greenbrook.co.uk
Export	export@greenbrook.co.uk
Web	www.greenbrook.co.uk
Technical Helpline	+44 (0)1279 772 735

GREEN BROOK
ELECTRICAL PLC

One Company - Four Great Brands

PowerBreaker
THE FIRST SINCE 1975

- RCD
- PRCD
- SRCD

Specialising in electrical protection, PowerBreaker is the number one brand for Residual Current Devices in the UK. Continually improving our range we are committed to remain at the forefront of this product area.

KS
KingShield

- RCD
- PowerX Weatherproof
- Wiring Accessories
- Bells & Chimes
- Lighting
- Security, Timers & Sensors
- Heating & Ventilation
- Relays

Each KingShield product has been specifically designed to meet the needs of both the installer and the user. The range includes the largest variety of weatherproof products in the UK, a complete range of timers and sensors, metalclad wiring accessories, a 'popular choice' range of ventilation, fans, ducting accessories and an extensive range of domestic & commercial lighting with an expansive range of LED items.

- Lighting

ToolShield

- Crimping & Wire Cutting tools
- Hole Cutters
- Screwdrivers & Pliers
- Ladders
- Conduit Benders
- Draw Rods
- Super Rod

The ToolShield range offers a selection of products to make your on site activities easier and safer. From a selection of Electricians Ladders, VDE tested Hand Tools and incorporating the Super Rod range of draw rods and hole cutters; this range offers helpful, well-thought products to get the job done.

NORSLO

- Cable Management
- Cable Termination
- Fixings, Accessories & Consumables

Norslo is a diverse and comprehensive range of electrical installation equipment and accessories which has been active in the market for more than 30 years. During that time, with its dedicated product development team, the range has grown considerably. The Norslo range is wider than ever before, including cable termination, cable management and fixings, accessories and consumables.

GREEN BROOK
ELECTRICAL PLC

Contents

PowerBreaker

THE FIRST SINCE 1975

RCD Sockets 8

RCD Spurs 12

RCD Plug & Adaptor 13

RCD In-Line 14

KS KingShield

SafetySure RCD 17

PowerX Weatherproof 21

Wiring Accessories 33

Bells & Chimes 51

Timers, Sensors & Security 59

Heating & Ventilation 75

Relays 93

Interior Lighting 97

Exterior Lighting 126

Emergency Lighting 155

Contents

ToolShield

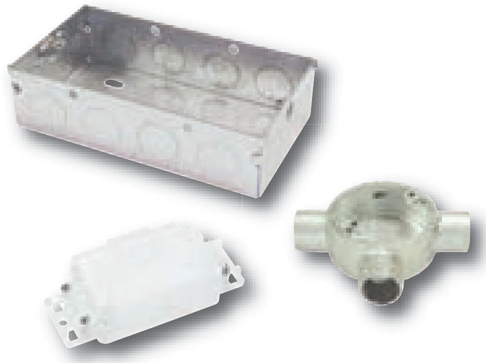
Hand Tools 164
Ladders 169
Super Rod Kits & Accessories 179
ProFit Drill & Holesaws 196

NORSLO

Cable Termination 199
Cable Management 211
Fixings, Accessories & Consumables 257

Technical 263
Index by Product Type & by Product Code 274
Terms & Conditions 284

VDE 1000V SCREWDRIVERS



PowerBreaker is the market leading brand for Residual Current Devices offering the safest products...

GreenBrook have been RCD specialists since the launch of the first ever PowerBreaker product in 1975. Our in house design team have created the new range of 10mA RCD's offering even more sensitive protection, giving groundbreaking results, for use in areas requiring extra safety such as schools and nurseries, medical areas, areas with small animals etc; again leading the way in the sector. As it is in such early stages of development the 10mA product is presently only available as special order only.

The PowerBreaker brand is recognised and trusted by the trade and consumers alike and has the largest range of plug-in and socket RCD products in the UK market.

FASTEST TRIP SPEED • SLIM PROFILE • TESTED TO LATEST STANDARDS

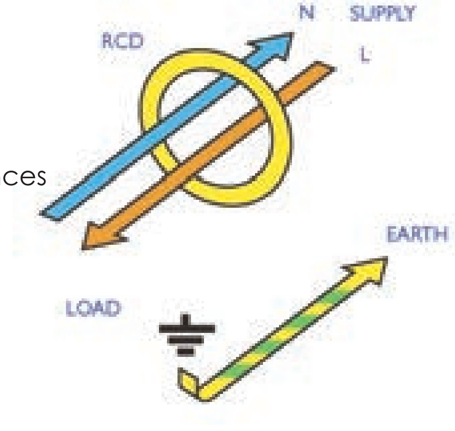
How Does an RCD Work?

Residual Current Devices are now firmly established around the world as a primary means of providing protection against electrocution and fires caused by electrical faults.

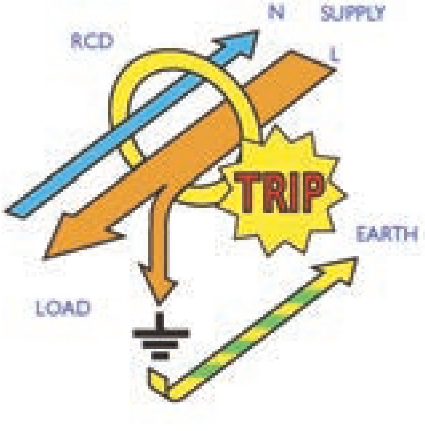
Less than one quarter of an amp (250mA) leaking from a faulty installation can generate sufficient heat to start a fire, or if leaking through a human body for only 200mS can cause heart fibrillation and possible subsequent death. To elaborate, the smallest fuse used in a normal electric plug is 3 Amps; it takes less than one twentieth of that current to kill an adult in less than one tenth of a second.

An RCD protects by constantly monitoring the current flowing in the live and neutral wires supplying a circuit or an individual item of equipment.

Normal
Circumstances



Fault
Detected



Under normal circumstances, the current flowing in the two wires is equal. When an earth leakage occurs due to a fault in the circuit or an accident with the equipment, an imbalance occurs and this is detected by the RCD, which automatically cuts off the power before injury or damage can result.

PowerBreaker
THE FIRST SINCE 1975

PowerBreaker
FUSE
Red - ON
Black - OFF/TRIPPED
Test before use
Press button - T
If indicator shows red after test
DO NOT USE

PowerBreaker
THE FIRST SINCE 1975

40th
ANNIVERSARY
1975 - 2015

RESIDUAL CURRENT DEVICES

The PowerBreaker RCD

THE FIRST SINCE 1975

PowerBreaker RCD Features & Benefits

To be effective, the RCD must operate very quickly at a low earth leakage current. Those designed to protect human life are engineered to trip out with an earth leakage current of 30mA within 200mS and at a higher earth current of 150mA, they will trip in less than 40mS. PowerBreaker has a typical trip speed of less than 20mS.

For further detailed information on RCDs, please refer to the BEAMA RCD Handbook which can be found on the BEAMA website at www.beama.org.uk.

Please see below for details of the PowerBreaker range features -

POWEBREAKER Features	Benefits	Specific to
Less than 20mS typical trip speed	Added safety in event of hazard	Complete Range
Conforms to the latest EMC/ low voltage directive	Fully compliant and acceptable by all specifying bodies and certifying authorities	
High intensity LED power on indicator	Clear visual indicator of power on	
Higher cosmetic standard of design	Not intrusive when installed	
100% factory tested	More reliable & dependable	
- ROHS compliant - Full certification	Full confidence in product quality	
Captive terminal screws	Easy to install	
Compact depth	Will fit into 25mm back box	
Modern slim style	Modern appearance - blends in with existing wiring accessories	White Sockets
Twin earth terminals	Assists easy installation	Twin Sockets & Fused Spurs
Metalclad treated	Resists rust & corrosion - product stays smarter	Metal Sockets and Fused Spurs
Underside or rear entry for appliance cable	More versatile choices of appliance wiring	Metal Spurs
Adjustable cable clamp in accordance with the latest spec BS1363-4	Safety clamps most cable sizes Cable size $0.5mm^2$ - $1.5mm^2$. Cable Dia 4.6 - 10.4mm	Fused Spurs
Recessed buttons	Prevents unintended operation	Fused Spurs

The PowerBreaker RCD

THE FIRST SINCE 1975

Range Specification Table

- Easy to operate
- Clear “on” indicator flag
- Market Leader

Part No	Type	Switched/ Unswitched	Passive/Mechanical Latch	Finish	Single gang	Double gang
H92MPA-C	Fused Spur	-	Passive/Mechanical Latch	Metalclad	-	-
H92WPA-C	Fused Spur	-	Passive/Mechanical Latch	White	-	-
H22MPA-C	Socket	Unswitched	Passive/Mechanical Latch	Metalclad	-	✓
H22WPSA-C	Socket	Unswitched	Passive/Mechanical Latch	White	-	✓
K21MPA-C	Socket	Switched	Passive/Mechanical Latch	Metalclad	✓	-
K22MPA-C	Socket	Switched	Passive/Mechanical Latch	Metalclad	-	✓
K21WPA-C	Socket	Switched	Passive/Mechanical Latch	White	✓	-
K22WPA-C	Socket	Switched	Passive/Mechanical Latch	White	-	✓
K21SPA	Socket	Switched	Passive/Mechanical Latch	White	✓	-
K22SPA	Socket	Switched	Passive/Mechanical Latch	White	-	✓
J72A-C	Plug	-	Active/Electrical Latch	White	-	-
J02A-C	Adaptor	-	Active/Electrical Latch	White	-	-
J62-T	In-Line	-	Active/Electrical Latch	Orange	-	-
J62-Y	In-Line	-	Active/Electrical Latch	Yellow	-	-
J63-X	In-Line	-	Active/Electrical Latch	Black	-	-
H92WPA-10-C*	10mA Fused Spur	Unswitched	Passive/Mechanical Latch	White	-	-
H92MPA-10-C*	10mA Fused Spur	Unswitched	Passive/Mechanical Latch	Metalclad	-	-
K21WPA10-C*	10mA Socket	Switched	Passive/Mechanical Latch	White	✓	-
K21SPA10-C*	10mA Socket	Switched	Passive/Mechanical Latch	White	✓	-
K22WPA10-C*	10mA Socket	Switched	Passive/Mechanical Latch	White	-	✓
K22SPA10*	10mA Socket	Switched	Passive/Mechanical Latch	White	-	✓
K21MPA10-C*	10mA Socket	Switched	Passive/Mechanical Latch	Metal	✓	-
K22MPA10-C*	10mA Socket	Switched	Passive/Mechanical Latch	Metal	-	✓

***10mA products available as special order only**

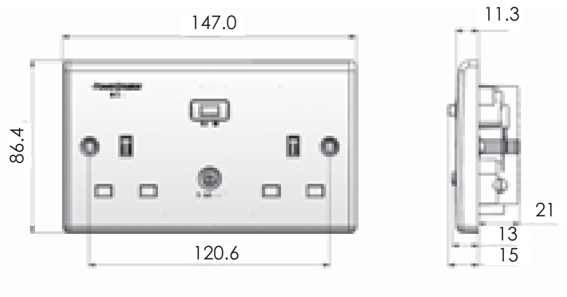
RCD Sockets - Unswitched

- Mechanically latched (does not need resetting after a power loss)
- High intensity LED power on indicator, clear visual indicator of power on
- Twin earth terminals

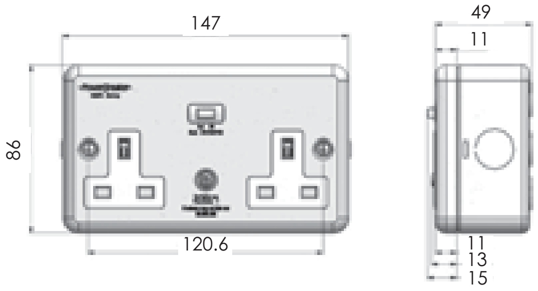
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss (passive)
Responsive to	Pulsating DC earth faults
Conforms to	BS 7288:1990 Amd 1, BS 1363-2:1995 Amd 1-3
EMC Emissions	EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002
EMC Immunity	EN 61543:1995 inc A11:2003, A12:2005 & A2:2006

	Part No	Description	Colour
	H22WPSA-C	RCD Twin Socket Slim profile Scratch resistant urea front plate Fits standard 25mm back box	White
	H22MPA-C	RCD Twin Socket Complete with metal backbox (IP66 option available PXC22MP-C - see page 22)	Metalclad



H22WPSA-C



H22MPA-C

Please see Technical Section (p268-269) for technical drawings.

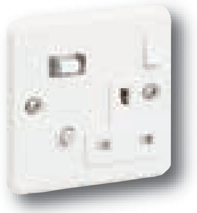
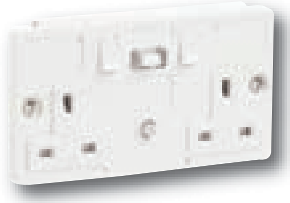
RCD Sockets - Switched

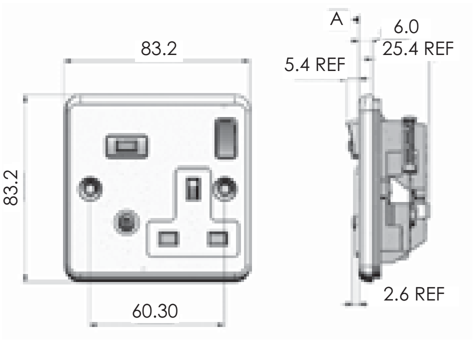
The K range RCD switched sockets are available in single or twin outlets, in white or metalclad with mechanical latching. These sockets replace standard sockets to provide added protection against electrocution in commercial, domestic and industrial environments.

- Mechanically latched (does not need resetting after a power loss)
- High intensity LED power on indicator, clear visual indicator of power on
- Twin Socket fitted with twin earth terminals

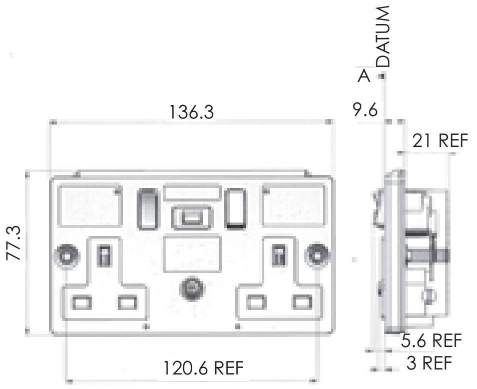
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss (passive)
Responsive to	Pulsating DC earth faults
Conforms to	BS 7288:1990, Amd 1 and BS 1363-2:1995 Amd 1-3
EMC Emissions	EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002
EMC Immunity	EN 61543:1995 inc A11:2003, A12:2005 & A2:2006

Part No	Description	Colour	
K21SPA	Panel Mounting RCD Single Switched Socket Moulded front plate Max Plate Thickness 2mm	White	
K22SPA	Panel Mounting RCD Twin Switched Socket Moulded front plate Max Plate Thickness 2mm		



K21SPA



K22SPA

Please see Technical Section (p268-269) for technical drawings.

RCD Sockets - Switched

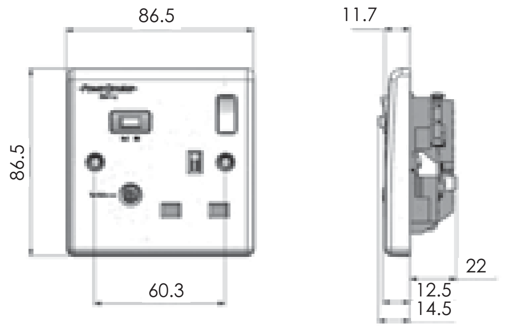
The K range RCD switched sockets are available in single or twin outlets, in white or metalclad with mechanical latching. These sockets replace standard sockets to provide added protection against electrocution in commercial, domestic and industrial environments.

- Mechanically latched (does not need resetting after a power loss)
- High intensity LED power on indicator, clear visual indicator of power on
- Twin sockets fitted with twin earth terminals

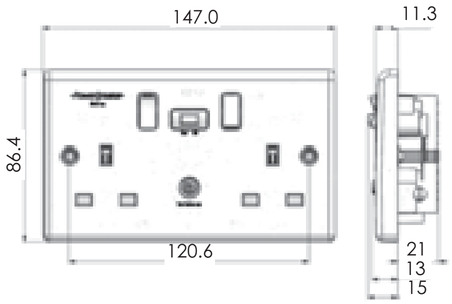
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss (passive)
Responsive to	Pulsating DC earth faults
Conforms to	BS 7288:1990, Amd 1 and BS 1363-2:1995 Amd 1-3
EMC Emissions	EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002
EMC Immunity	EN 61543:1995 inc A11:2003, A12:2005 & A2:2006

	Part No	Description	Colour
	K21WPA-C	RCD Single Switched Socket Slim profile Moulded front plate Fits standard 25mm back box	White
	K22WPA-C	RCD Twin Switched Socket Slim profile Moulded front plate Fits standard 25mm back box	



K21WPA-C



K22WPA-C

Please see Technical Section (p268-269) for technical drawings.

RCD Sockets - Switched

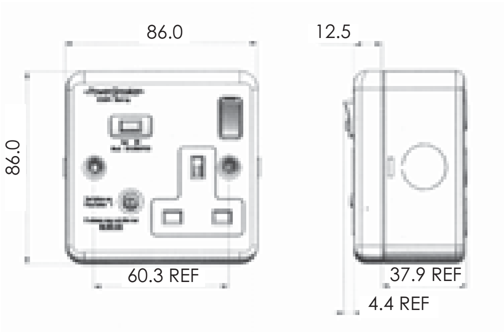
The K range RCD switched sockets are available in single or twin outlets, in white or metalclad with mechanical latching. These sockets replace standard sockets to provide added protection against electrocution in commercial, domestic and industrial environments.

- Mechanically latched (does not need resetting after a power loss)
- High intensity LED power on indicator, clear visual indicator of power on
- Twin sockets fitted with twin earth terminals

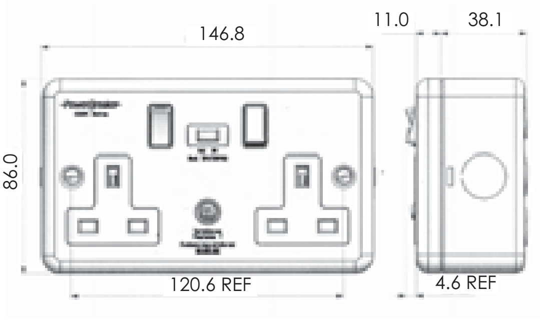
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss (passive)
Responsive to	Pulsating DC earth faults
Conforms to	BS 7288:1990, Amd 1 and BS 1363-2:1995 Amd 1-3
EMC Emissions	EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002
EMC Immunity	EN 61543:1995 inc A11:2003, A12:2005 & A2:2006

Part No	Description	Colour	
K21MPA-C	RCD Single Switched Socket Complete with metal backbox	Metalclad	
K22MPA-C	RCD Twin Switched Socket Complete with metal backbox		



K21MPA-C



K22MPA-C

Please see Technical Section (p268-269) for technical drawings.

RCD Fused Spurs

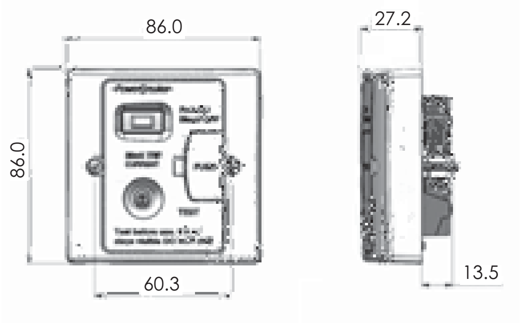
Suitable for use with all electrical appliances, in public washrooms and areas where water is present, plus fixed electric appliances such as domestic machines in the home, cold drink dispensers and hotel hairdryers.

- Mechanically latched (does not need resetting after a power loss)
- High intensity LED power on indicator, clear visual indicator of power on
- Mechanical flag trip indicator
- Integral cord outlet and cable clamp
- Fuse holder can be locked out for safety
- Twin earth terminals

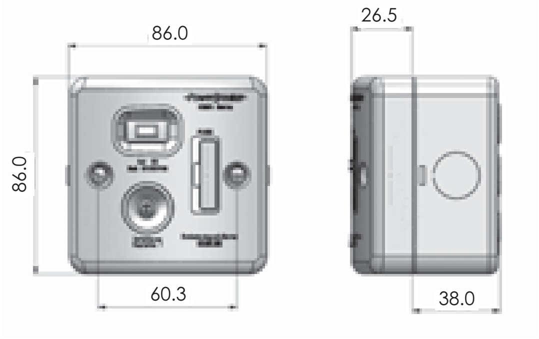
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (13A inductive)
Rated trip current	30mA
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Latching	Mechanical, no need to reset after power loss (passive)
Responsive to	Pulsating DC earth faults
Conforms to	BS 1363-4:1995 Amd 1, 2, 3 and BS 7288:1990 Amd 1
EMC Emissions	EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002
EMC Immunity	EN 61543:1995 inc A11:2003, A12:2005 & A2:2006

	Part No	Description	Colour
	H92WPA-C	RCD Fused Spur Scratch resistant urea front plate Fits 25mm standard back box	White
	H92MPA-C	RCD Fused Spur Complete with metal back box (IP66 option available PXC92MP-C on page 24)	Metalclad



H92WPA-C



H92MPA-C

Please see Technical Section (p268-269) for technical drawings.

RCD Plug & Adaptor

New & Improved for 2015

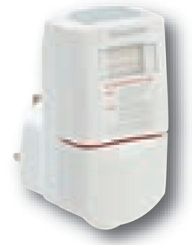
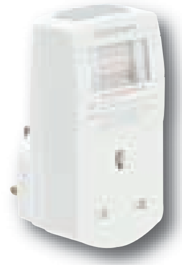
The PowerBreaker RCD Plug and Adaptor offers new improved shape and functionality.

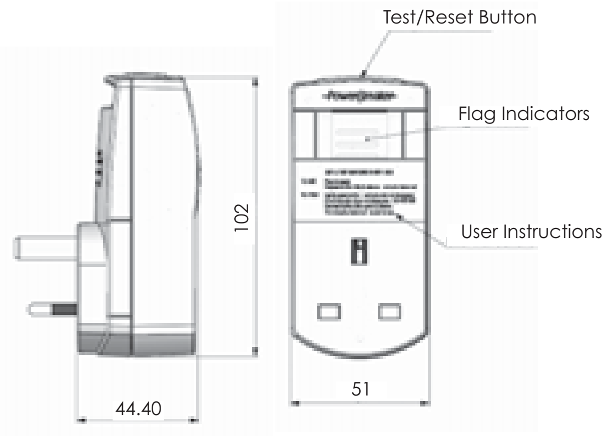
The PowerBreaker RCD Plug and Adaptor features -

- Electrically latched (needs resetting after power loss)
- Single button test/reset operation
- Large easy to see trip indicator

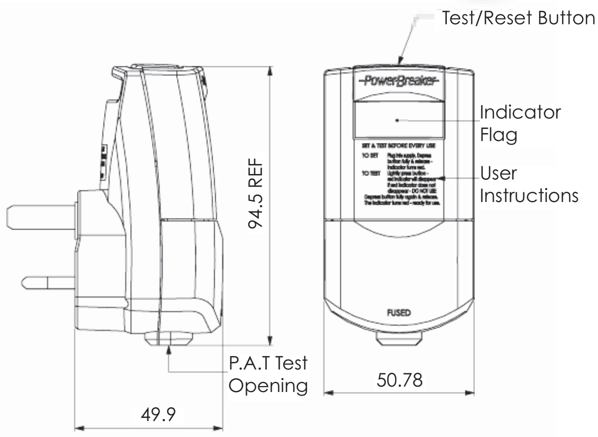
Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (3A inductive)
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Latching	Electrical. Needs resetting after power loss (Active)
Responsive to	Pulsating DC earth faults
Conforms to	BS 7071, BS 1363

Part No	Description	Colour	
J72A-C	RCD Plug	White	
J02A-C	RCD Adaptor		


Test/Reset Button
Flag Indicators
User Instructions
102
44.40
51

J02A-C


Test/Reset Button
Indicator Flag
User Instructions
94.5 REF
P.A.T Test Opening
49.9
50.78

J72A-C

Please see Technical Section (p268-269) for technical drawings.

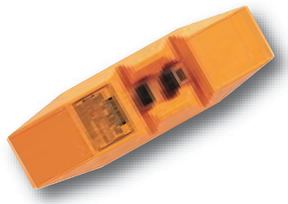
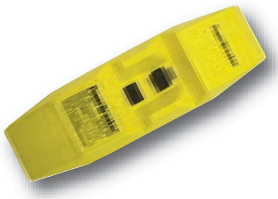
RCD In-Line

The PowerBreaker J62 provides added personal protection against electrocution when using electrical equipment in adverse conditions. The unit has double pole protection and is re-wireable. For use in adverse conditions, such as building sites, plant applications, industrial manufacturing, where water presents a danger and rough handling is expected. Also trips on loss of power supply, preventing unexpected start up of equipment.

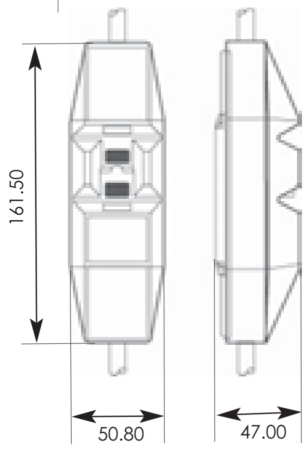
- Suitable for BS/European power supply systems
- Robust construction
- Double pole breaking
- Mechanical flag to indicate contact position
- Separate test and reset buttons

Technical Data

Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Latching	J62-T / J62-Y = Electrical. Needs resetting after power loss (Active)
	J63-X = Mechanical, no need to reset after power loss (Passive)
Responsive to	Pulsating DC earth faults
Conforms to	IEC 61540

	Part No	Description	Specification
	**J62-T**	In-Line RCD Heavy Duty, IP65 Re-wirable terminals	230V AC 50Hz Max operating current 16A
	**J62-Y**		110V AC 50Hz Max operating current 16A
	J63-X	In-Line RCD with IEC Lead Indoor use only, IP20 Fully portable	230V AC 50Hz Max operating current 10A

Please see Technical Section (p268-269) for technical drawings.



Merchandising

GreenBrooks products are available in a selection of eye catching high quality packaging, suitable for slat wall displays.

Product Stock Profiles are available for all of our product ranges, please contact the sales office for more details.

KS
GREEN BROOK
LEDs
LED STRIPLIGHTS
PowerBreaker
Timers

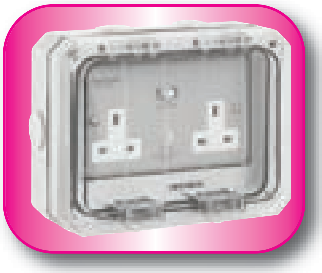
Each product with the KingShield name has been specifically designed to meet the needs of the installer and the end user.

The KingShield range includes a comprehensive selection of Weatherproof Accessories, Timers, Sensor & Security products, Metalclad Wiring Accessories, Heating & Ventilation.

We also have a range of KingShield Lighting covering Interior, Exterior and Emergency lighting with LED options on most products. This extensive range can be found at the end of the KingShield section.

KingShield is the brand of choice for all your installation needs.

RCD



Weatherproof

Cable Connectors

Boxes

Wiring Accessories

Ceiling Accessories

Adaptors & Plugtops

Door chimes

Timers & Thermostats

PIR & Photocells

Safety Alarms

Ventilation & Heating

30mA Trip current
RED ON
WHITE OFF
SAFETYSURE
Test before
use! Press test button - T

SAFETYSURE RANGE

SafetySure Range

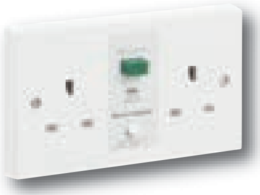
SafetySure RCD products fully conform to British Standards. All SafetySure Sockets & Spurs have separate test and reset buttons and are available in white plastic or metalclad. They are individually packed with a euro hook slot for easy display.

Sockets and Spurs -

- Mechanical flag trip indicators
- Mechanically latched - no need to reset after a power loss

Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (3A inductive)
Rated trip current	30mA
Typical trip speed	<40mS
RCD contact break	Double pole
Responsive to	Pulsating DC earth faults
Conforms to	BS 7288:1990 & BS 1363

	Part No	Description	Dimensions
	**M22W**	RCD Unswitched Socket White Pack quantity 5	H86.5 x W147 x D35mm (16mm surface projection)
	M22M	RCD Unswitched Socket Metalclad Pack quantity 5	H86.5 x W147 x D50mm
	M92W	RCD Fused Spur White Pack quantity 5	H86.5 x W86.5 x D37mm (16mm surface projection)
	M92M	RCD Fused Spur Metalclad Pack quantity 5	H87 x W87 x D50mm (inc. back box)

SafetySure Range

SafetySure RCD Plugs and Adaptors fully comply with BS 7071 & EN 61543. The RCD Plug & Adaptors are clam packed.

- Suitable for use with all makes of electrical and gardening appliances
- Electrically latched - 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 (M04A-C & M74A-C)

Technical Data

Voltage	230V AC 50Hz
Max operating current	13A (3A inductive)
Rated trip current	30mA
Typical trip speed	<40mS (typical)
RCD contact break	Double pole
Responsive to	Pulsating DC earth faults
Conforms to	BS 7071:1992 & EN 61543:1995

Part No	Description	Dimensions/ Specification	
M04A-C	RCD Adaptor Easy to use, No wiring required - it simply plugs in One button operation	H110 x W55 x D45.5mm	
M74A-C	RCD Plug Easy to use, simple to wire - it simply plugs in One button operation	H95 x W51 x D49.9mm	
RCDL-C	In-Line RCD Heavy Duty, IP55 Fully portable	230V AC 50Hz Max operating current 13A 4A inductive 210mm x 60mm	

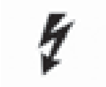
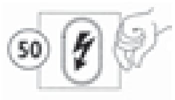
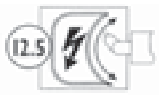
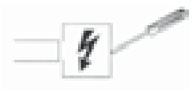
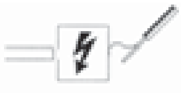
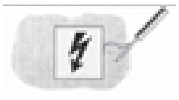
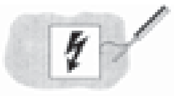
IP Rating

About IP Ratings...

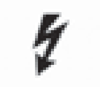
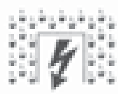
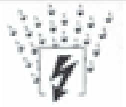
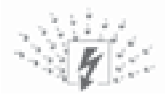
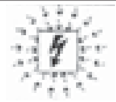
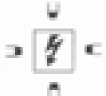
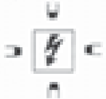
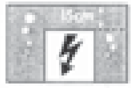
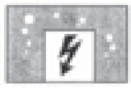
The Ingress Protection (IP) classification system describes the degree of protection provided by an enclosure against solid objects or water ingress. An IP rating will normally have two numbers; the first number in an IP classification shows the degree of protection against solid objects. The second number will show the degree of protection against liquid.

An "X" can be used for one of the digits if there is only one class of protection, i.e. IPX1 which addresses protection against vertically falling drops of water e.g. condensation.

Below shows the degree of protection against solid objects (1st number).

Rating Number		
0	Non-protected	
1	Protected against a solid object greater than 50mm, such as a hand	
2	Protected against a solid object greater than 12.5mm, such as a finger	
3	Protected against a solid object greater than 2.5mm, such as a wire or a tool	
4	Protected against a solid object greater than 1.0mm, such as a wire or thin strips	
5	Dust-protected. Prevents ingress of dust sufficient to cause harm.	
6	Dust-tight. No ingress of dust.	

Below shows the degree of protection against liquid (2nd number).

Rating Number		
0	Non-protected	
1	Protected against dripping water.	
2	Protected against dripping water when tilted up to 15°	
3	Protected against spraying water at an angle of up to 60°	
4	Protected against splashing water from any direction	
5	Protected against jets of water from any direction.	
6	Protected against heavy seas or powerful jets of water. Prevents ingress sufficient to cause harm	
7	Protected against the effects of temporary immersion in water.	
8	Protected against the effects of continuous immersion in water.	

KingShield

PowerBreaker
GREENBROOK

PowerX WEATHERPROOF

PowerX IP66 Weatherproof Socket with RCD

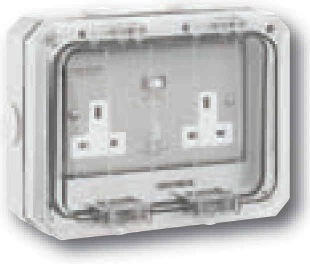
The PowerX Weatherproof range has been specifically designed for outdoor use in severe conditions of rain and water spray as well as dust contamination to IP66 as defined by BS EN 60529.

- Weatherproof to IP66 with plugs inserted
- Can be used for long term projects in most weather conditions
- Clear lid/cover for easy visibility
- Made from high impact polycarbonate
- Substantial clip feature to keep lid shut
- Rust-proof hinges
- Easy cable entry
- UV protected - will not deteriorate in sunlight

Technical Data

PXC22MP-C

Conforms to	BS 1363-2, BS 1363-4:1995 Amd 1, 2, 3 and BS 7288:1990 Amd 1, EMC Emissions - EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002 EMC Immunity - EN 61543:1995 inc A11:2003, A12:2005 & A2:2006, BS EN 60529:1992 (IEC 529:1989)

	Part No	Description	Dimensions
RCD Twin 13A Unswitched Socket			
	PXC22MP-C	PowerBreaker RCD Twin 13A Unswitched Metalclad Socket High intensity LED power-on indicator Double pole switching Twin earth terminals Mechanically latched - (no need to reset on power failure) Trip current 30mA Typical trip speed <20mS 5 x 20mm knockouts	H145 x W189 x D80mm

PowerX IP66 Weatherproof Sockets

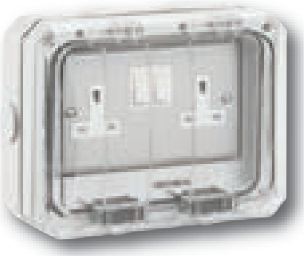
The PowerX Weatherproof range has been specifically designed for outdoor use in severe conditions of rain and water spray as well as dust contamination to IP66 as defined by BS EN 60529.

- Weatherproof to IP66 with plugs inserted
- Can be used for long term projects in most weather conditions
- Clear lid/cover for easy visibility
- Made from high impact polycarbonate
- Substantial clip feature to keep lid shut
- Rust-proof hinges
- Easy cable entry
- UV protected - will not deteriorate in sunlight

Technical Data

PXCWTS-C & PXCSSS-C

Conforms to BS 1363 IEC 60670-1, IEC 60670-22 & BS EN 60529:1992 (IEC 529:1989)

Part No	Description	Dimensions	
Single and Twin 13A Switched Sockets			
PXCWTS-C	Twin 13A Switched Metalclad Socket Double pole 13A socket 5 x 20mm Knockouts	H145 x W189 x D80mm	
PXCSSS-C	Single 13A Switched Metalclad Socket Double pole 13A Socket 4 x 20mm Knockouts	H135 x W127 x D80mm	

PowerX IP66/IP67 Weatherproof Fused Spurs

- Can be used for long term projects in most weather conditions
- Clear lid/cover for easy visibility
- Made from high impact polycarbonate
- Substantial clip feature to keep lid shut down
- Rust-proof hinges
- Easy cable entry
- UV protected - will not deteriorate in sunlight

Technical Data

PXC92N-C

Conforms to IEC 60670-1, IEC 60670-22, BS 1363-4, BS EN 60529:1992 (IEC 529:1989)

PXC92MP-C & H92IP-X

Conforms to BS 1363-4:1995 Amd 1, 2, 3 and BS 7288:1990 Amd 1, EMC Emissions - EN 55014-1:2006 & EN 55014-1:2000 inc A1:2001 & A2:2002 EMC Immunity - EN 61543:1995 inc A11:2003, A12:2005 & A2:2006, BS EN 60529:1992 (IEC 529:1989)

	Part No	Description	Dimensions
	PXC92MP-C	PowerBreaker RCD Metalclad Fused Spur Double pole High intensity LED power-on indicator Mechanical flag trip indicator Complete with 13A fuse 230V AC Mechanically latched - (no need to reset on power failure) Trip current 30mA Typical trip speed <20mS Twin earth terminals IP66 Rated 4 x 20mm knockouts	H135 x W127 x D80mm
	PXC92N-C	13A Switched Metalclad Fused Spur Double Pole With neon power-on indicator Flex outlet Complete with 13A fuse IP66 Rated 4 x 20mm knockouts	
	H92IP-X	PowerBreaker RCD Fused Spur Unit in weatherproof enclosure Double Pole High intensity LED power-on indicator Mechanically latched - (no need to reset on power failure) 230V AC Max Operating current - 10A total load (Complete with 10A fuse fitted) Trip current 30mA Typical trip speed <20mS Responsive to Pulsating DC earth faults IP67 Rated 6 x 20mm knockouts 4 x 25mm knockouts	H125 x W125 x D76mm

PowerX IP66 Weatherproof Timers

- Can be used for long term projects in most weather conditions
- Clear lid/cover for easy visibility
- Made from high impact polycarbonate
- Substantial clip feature to keep lid shut down
- Rust-proof hinges
- Easy cable entry
- UV protected - will not deteriorate in sunlight

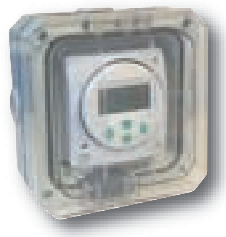
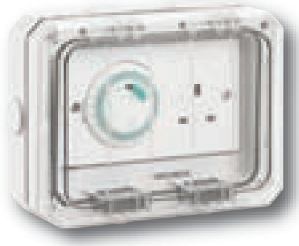
Technical Data

PXC105DT-C

Conforms to	IEC 60670-1, IEC 60670-22 and BSEN 60730-2-7, BS EN 60529:1992 (IEC 529:1989)

PXC70TSKT-C

Conforms to	IEC 60670-1, IEC 60670-22, BS 1363 and BSEN 60730-2-7, BS EN 60529:1992 (IEC 529:1989)

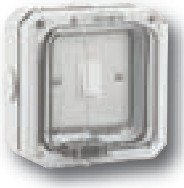
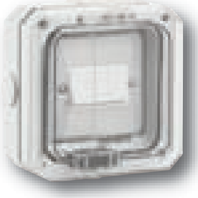
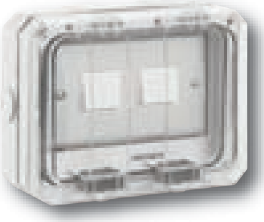
Part No	Description	Dimensions	
7 Day Electronic Timer			
PXC105DT-C	7 Day Electronic Timer 24 on/off programmes 16A Resistive load Manual override Countdown Timer Function Neon power-on indicator 4 x 20mm Knockouts	H135 x W127 x D80mm	
13A Socket with 24hr Timer			
PXC70TSKT-C	13A Socket with 24hr Timer 96 on/off settings available 13A Resistive/2A Inductive load Manual switch for easy ON/AUTO/OFF selection 15 minute switching 5 x 20mm Knockouts	H145 x W189 x D80mm	

PowerX IP66 Weatherproof Switches

- Can be used for long term projects in most weather conditions
- Clear lid/cover for easy visibility
- Made from high impact polycarbonate
- Substantial clip feature to keep lid shut down
- Rust-proof hinges
- Easy cable entry
- UV protected - will not deteriorate in sunlight

Technical Data

Knockouts	20mm
Voltage	10AX
Conforms to	BS EN 60669-1, IEC 60670-1 and IEC 60670-22, BS EN 60529:1992 (IEC 529:1989)

	Part No	Description	Dimensions
	**PXC1GSW-C**	1 Gang Metalclad Switch 2 way 4 x 20mm knockouts	H135 x W127 x D80mm
	PXC2GSW-C	2 Gang Metalclad Switch 2 way 4 x 20mm knockouts	
	**PXC3GSW-C**	3 Gang Metalclad Switch 2 way 4 x 20mm knockouts	
	**PXC4GSW-C**	4 Gang Metalclad Switch 2 way 5 x 20mm knockouts	H145 x W189 x D80mm

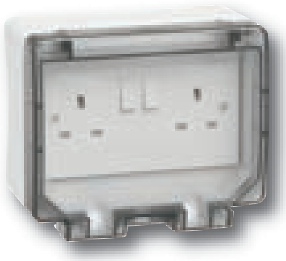
PowerX IP55 Weatherproof Sockets

A range of wiring accessories that are popular with both installers and end users, since they are easy to install and easy to use as well as being attractive and having many features. Available in single and double width enclosures with a large wiring space and easy press out cable entries. All units have a clear lid to show power status so there is no need to open the lid which can also be padlocked for added security.

- These sockets are IP55 rated, even with the plug inserted
- Lids can be padlocked for added security
- Easy to press out 20mm cable entries - Three bottom cable entries (double)
  - Two bottom cable entries (single)
- Mounting holes outside the weatherproof enclosure
- Urea Accessories

Technical Data

Voltage	230V AC - 50Hz
WN22WP-C	
Conforms to	BS EN 60529, BS 1363 and BS 7288
WN55WA-C & WNS50WA-C	
Conforms to	BS 60529 and BS 1363-2

Part No	Description	Dimensions	
RCD Twin 13A Unswitched Socket			
WN22WP-C	SafetySure RCD Twin 13A Unswitched Socket 3A inductive Double pole switching Twin earth terminals Mechanically latched - (no need to reset on power failure) Trip current 30mA	H143 x W166 x D90mm	
13A Single and Twin Switched Socket			
WN55WA-C	Twin 13A Switched Socket Double pole switching	H143 x W166 x D90mm	
WNS50WA-C	Single 13A Switched Socket Double pole switching	H143 x W107 x D87mm	

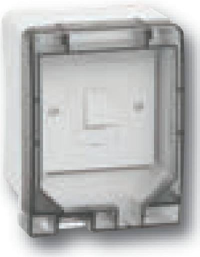
PowerX IP55 Weatherproof Fused Spurs

Ideal for all outdoor timing applications including lighting and pond pumps.

- Lids can be padlocked for added security
- Easy to press out 20mm cable entries
- Two bottom cable entries
- Mounting holes outside the weatherproof enclosure

Technical Data

Voltage	230V AC - 50Hz
WNS93WP-C	
Conforms to	BS EN 60529, BS 1363-4 and BS 7288
WNS94WA-C	
Conforms to	BS EN 60529 and BS 1363-4

	Part No	Description	Dimensions
	WNS93WP-C	SafetySure RCD Fused Spur Unit Mechanically latched - no need to reset 13A Resistive / 3A inductive Trip current 30mA Mechanical flag trip indicator	H143 x W107 x D87mm
	WNS94WA-C	Fused Spur Unit Switched (not RCD protected) 13A Fuse not removeable while switch is on Urea face plate (Without Neon)	

PowerX IP44 Weatherproof Range

Sockets

- Weatherproof to IP44 with plug inserted

Technical Data

Conforms to	BS EN 60529 (IP44) BS 1363-2

Switches & Bell Push

- Screwless cable terminations

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS EN 60669 & BS EN 60529

Part No	Description	Dimensions	
WE44SS-C	Single 13A Socket 3 x 20mm Knockouts	H105 x W74 x D89mm	
WE44TS-C	Twin 13A Socket 3 x 20mm Knockouts	H105 x W137 x D89mm	
WNSW-C	10AX Single Switch 2 way 4 x 20mm Knockouts	H87 x W74 x D55mm	
WNSW2G-C	10AX Double Switch 4 x 20mm Knockouts		

PowerX 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.

Technical Data

Conforms to	BS 60998 & BS 5733

	Part No	Description	Dimensions
	H65Z-C	Cable Connector **IP67** - Can be temporarily submersed in water For repairing or extending outdoor cables up to 3 core 2.5mm^2 Max current 15A	Cable Diameter: Max 12.5mm / Min 6mm 32 x 120mm
	H85Z-C	Plug & Socket Cable Connector **IP68** - 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

DRiBOX -
IP55 Weatherproof Powercord Connection Box

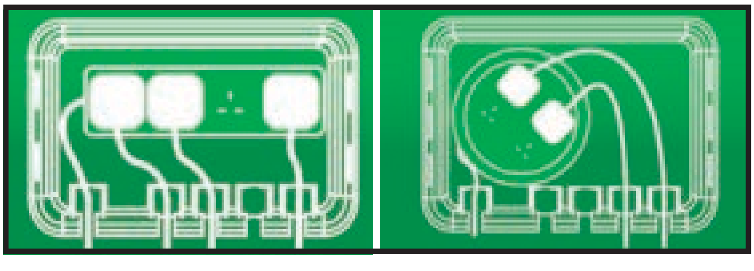
Another addition to the KingShield weatherproof range, ideal for outdoor heaters, pressure washers and outdoor power tools.

- Easy to use
- Helps prevent trips and falls
- Lightweight
- Portable
- Multi-use
- UV resistant construction
- Keeps all temporary connections dry

Technical Data

IP Rating	IP55

Part No	Description	Dimensions	
DB285B	Connection Box - Black	H150 x W285 x D110mm	
DB285G	Connection Box - Green	H150 x W285 x D110mm	
DB330B	Connection Box - Black	H230 x W330 x D140mm	
DB330G	Connection Box - Green	H230 x W330 x D140mm	

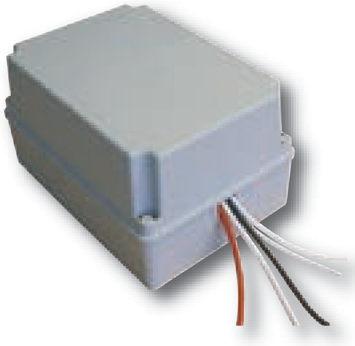


PowerX IP44 Outdoor Power Box

- Weatherproof
- Unique cable port (no need to remove plugs when installing)
- Large rugged enclosure
- Total maximum load 13A
- Accommodates four low voltage transformers (total maximum transformer load - 144W)
- Ideal for Christmas lights, party lights and aquatic equipment

Technical Data

IP Rating	IP44
Conforms to	BSEN 60529

	Part No	Description	Dimensions
	APB04A	Outdoor Power Box with 4 way socket strip 1.6M cable	H235 x W325 x D190mm
	**APB05**	Outdoor Power Box only	H235 x W325 x D190mm

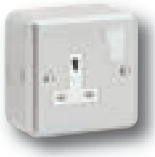
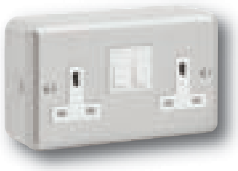
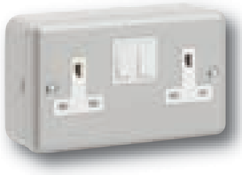
WIRING ACCESSORIES

Metalclad Sockets

- Robust steel construction
- Front plate fits flush to back box
- Surface and flush mounting options
- Metal back box supplied as standard

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS 1363 - Part 2: 1995

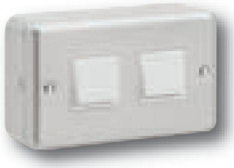
	Part No	Description	Dimensions	Pk Qty
Single 13A Switched Socket				
	**MC411**	Single 13A Switched Socket Single pole	H86 x W86 x D50mm	10
	MC611	Single 13A Switched Socket Double pole		
Twin 13A Switched Socket				
	**MC421**	Twin 13A Switched Socket Single pole	H86 x W145 x D50mm	5
	**MC621**	Twin 13A Switched Socket Double pole		

Metalclad Switches

- Robust steel construction
- Front plate fits flush to back box
- Surface and flush mounting options
- Metal back box supplied as standard

Technical Data

Voltage	230V AC - 50Hz (10AX)
Conforms to	BS EN 60669-1: 2000

Part No	Description	Dimensions	Pk Qty	
MC112	1 Gang 2 way 10AX Switch	H86 x W86 x D50mm	10	
MC113	1 Gang 10AX Intermediate Switch Changeover contact			
MC122	2 Gang 2 way 10AX Switch			
MC132	3 Gang 2 way 10AX Switch			
MC142	4 Gang 2 way 10AX Switch	H86 x W145 x D50mm	5	

Metalclad Switches

- Robust steel construction
- Front plate fits flush to back box
- Surface and flush mounting options
- Metal back box supplied as standard

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS EN 60669-1: 2000

	Part No	Description	Dimensions	Pk Qty
20A Switch				
	MC214	20A Switch Double pole	H86 x W86 x D50mm	10
	MC214N	20A Switch with neon power-on indicator Double pole		
45A Switch				
	MC314	45A Switch with red rocker switch Double pole	H86 x W86 x D50mm	10
	MC314N	45A Switch with neon power-on indicator and red rocker switch Double pole		
	MC324N	45A Switch with neon power-on indicator and red rocker switch Double pole 2 gang enclosure	H145 x W86 x D50mm	5
	MC924	45A Switched Cooker Outlet & 13A Switched Socket	H86 x W145 x D50mm	

Metalclad Fused Connection Units

- Robust steel construction
- Front plate fits flush to back box
- Surface and flush mounting options
- Metal back box supplied as standard

Technical Data

Voltage	230V AC - 50Hz
Fuse Rating	13A (fuse supplied)
Conforms to	BS 1363 - Part 4: 1995

Part No	Description	Dimensions	Pk Qty	
MC811	Fused Connection Unit Unswitched	H86 x W86 x D50mm	10	
MC811N	Fused Connection Unit Unswitched Neon power-on indicator			
MC711	Fused Connection Unit Switched Double pole Fuse cannot be withdrawn when switch is on			
MC711N	Fused Connection Unit Switched Neon power-on indicator Double pole Fuse cannot be withdrawn when switch is on			
MC716	Fused Connection Unit Switched Double pole with Cord outlet Fuse cannot be withdrawn when switch is on			
MC716N	Fused Connection Unit Switched Neon power-on indicator Double pole with Cord outlet Fuse cannot be withdrawn when switch is on			

Metalclad - Miscellaneous Items

- Robust steel construction
- Front plate fits flush to back box
- Surface and flush mounting options
- Metal back box supplied as standard

	Part No	Description	Dimensions	Pk Qty
	MC911	TV Socket	H86 x W86 x D50mm	10
	MC912	Telephone Socket Master		
	MC913	Telephone Socket Slave		
	MC914	10A Fan Isolator Switch Three pole 230V AC 50Hz		

Metalclad - Miscellaneous Items

- Blank single and double cover plates
- Single and double boxes with brass earth terminal
- Fits KingShield metalclad range

Part No	Description	Dimensions	Pk Qty	
MC915	Blank Plate only 1 Gang	H86 x W86 x D12mm	10	
MC925	Blank Plate only 2 Gang	H86 x W145 x D40mm	20	
MC916	Back Box only 1 Gang	H86 x W86 x D40mm	10	
MC926	Back Box only 2 Gang	H86 x W145 x D40mm	5	

Shaver Sockets

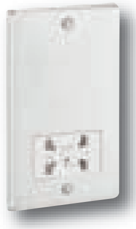
Traditional single and double gang dual voltage shaver sockets suitable for bathroom use.

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

Technical Data

20VA double wound transformer

Voltage	230V AC. 115/230V AC
Conforms to	BS EN 61558-1 & BS EN 61558-2-5

	Part No	Description	Dimensions	Pk Qty
	SHAS	Double Gang Shaver Socket Curved front face White High Gloss Thermoplastic Dual voltage	H146 x W85 x D49mm	1
	P17	Double Gang Shaver Socket Flat front face White Scratch Resistant Urea Dual voltage	H148 x W87 x D49mm	
	P17C	Double Gang Shaver Socket Flat front face Chrome Dual voltage	H147 x W88 x D49mm	
	**P17SC**	Double Gang Shaver Socket Flat front face Satin Chrome Dual voltage		
	HS1	Single Gang Shaver Socket with standard white front plate Manufactured in high gloss thermoplastic White Dual voltage	H86 x W86 X D73mm	

Ceiling Accessories

The KingShield energy saving PL Pendant ceiling rose meets the latest building regulations. It features an intelligent built-in electronic control gear, with a standard 3 plate loop-in ceiling rose and flex. Complies with latest British and European Standards.

Technical Data

PLPA Conforms to	EN 60598-2-1
Conforms to	BS 67: 1987

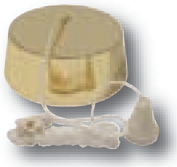
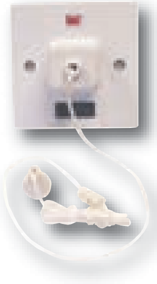
Part No	Description	Product Information	Pk Qty	
PLPA	Energy Saving PL Pendant Not suitable for dimming	10 - 18W, 4 pin Branded PL/PLC lamps only required G23/G24 (not supplied) 230V AC - 50Hz PLPA overall length not including lamp 245mm Comes complete with Shade Ring	5	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving
GB2654-T2 **GB2677-T2**	6" Pendant Lampholder 9" Pendant Lampholder	Heat resistant metal lamp holder	10	
GB2663-T2	BC Battenholder HO 3 terminal & earth	Comes with ceiling rose, clear plastic terminal plate & heat resistant metal lamp holder		
GB2655-T2	BC Battenholder HO 3 Terminal T2	With heat resistant metal lamp holder	20	
GB2653-T2	BC Lampholder T2			
GB2623	Ceiling Rose T2 3 terminal & earth to BS 67:1987	With clear plastic terminal plate	10	

Ceiling Accessories

The KingShield dimmable pull switch is able to dim standard and low voltage lighting.

Technical data

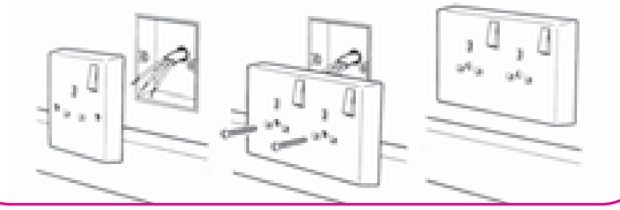
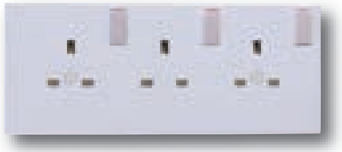
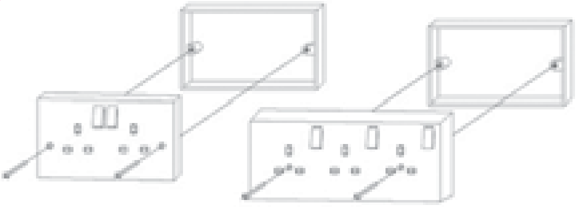
Conforms to	DIMPULLSW-C - EN 60669-2-1 Other products - BS EN 60669-1

	Part No	Description	Product Information	Pk Qty
	DIMPULLSW-C	Dimmable Pull Switch Comes complete with both white and chrome covers & acorns	**Standard lighting** Max load: 250W **LV lighting** Max load: 170W Not suitable for LEDs	1
	**GB2641BR-C**	Brass type	6A, 2 way	
	GB2641CH-C	Chrome type		
	GB2641	Pull Cord Switch		10
	**GB2319**	45A DP Switch with neon	Uses GB2667 Pattress	

Adaptors & Extension Leads

Technical Data

Conforms to	BS 1363

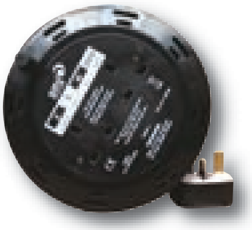
Part No	Description	Pk Qty	
GB122W-C **GB122W**	1 to 2 Socket Converter Converts a single socket to a double Replaces existing single socket Clam packed Box packed	5	
			
GB223W-C	2 to 3 Socket Converter Converts a double socket to a triple socket Clam packed	5	
			
1119	13A, 4 Gang Extension Lead With a neon power-on indicator 1.6M Cable Poly bag packed	1	

Cable Reels

- Cable Reels - 230V

Technical Data

Conforms to	BS 1363

	Part No	Description	Voltage
	**CRD5N**	13A, 5M Cassette Cable Reel 2 Socket outlets	230V AC
	CRD15N	13A, 15M Cassette Cable Reel 4 Socket outlets	
	CRD25N	13A, 25M Drum Cable Reel 2 Socket outlets	
	CRD50N	13A, 50M Drum Cable Reel 4 Socket outlets	

Cable Reels

- Cable Reels - 110V

Technical Data

Conforms to BS 1363

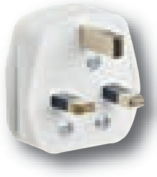
Part No	Description	Voltage	
8633	16A, 25M Drum Cable Reel 2 Socket outlets	110V AC	
8644	16A, 50M Drum Cable Reel 2 Socket outlets		

Plug Tops

- Solid brass pins
- Screw down cable clamp
- Tough nylon construction

Technical Data

Conforms to	BS 1363 Part 1.1995

	Part No	Description	Pk Qty
	PT13W	13A Plug Top White	20
	PT13B	13A Plug Top Black	
	**PT13W-5A**	13A Plug Top 5A Fuse White	
	PT13B-5A	13A Plug Top 5A Fuse Black	

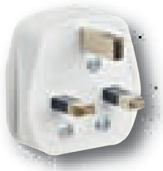
Plug Tops

- Solid brass pins
- Screw down cable clamp
- Tough nylon construction

Technical Data
Conforms to BS 1363 Part 1.1995

PT13W-3A & PT13B-3A Nemko N Marked

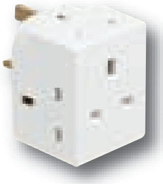
PT5W & PT2W
Conforms to BS 546

Part No	Description	Pk Qty	
PT13W-3A	13A Plug Top 3A Fuse White	20	
PT13B-3A	13A Plug Top 3A Fuse Black		
PT5W	5A Plug Top 3 pin White	10	
PT2W	2A Plug Top 3 pin White	20	

Sockets and Adaptors

Technical Data
Trailing Sockets
Conforms to BS 1363 Part 2.1995

Adaptors
Conforms to BS 1363 Part 3.1995

	Part No	Description	Pk Qty
	TS2W	Trailing Socket Rubber 2 Gang White	10
	TS2B	Trailing Socket Rubber 2 Gang Black	
	TS1W	Trailing Socket Rubber 1 Gang White	
	TS1B	Trailing Socket Rubber 1 Gang Black	
Adaptors			
	**PAF3**	Fused Adaptor 3 Way 13A White	10
	PAU2	Adaptor 2 Way 13A White	
	PASA	Shaver Adaptor Fused 1A White	20

Euro & Schuko Converter Plugs

Euro & Schuko Plug Converters

- 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
- Returnable / Non Returnable (tamperproof) refers to the screws used to secure the plug cover
  A returnable screw can be screwed and unscrewed as many times as required
  A non returnable screw can only be screwed in once and will not undo for security/safety purposes

Technical Data

Conforms to	BS 5733, BS 1363

Part No	Description	Colour	Pk Qty	
ECP-BNR-3A	3A Non Returnable	Black	1	
ECP-BNR-5A **ECP-BR-5A**	5A Non Returnable 5A Returnable			
ECP-WNR-3A **ECP-WR-3A**	3A Non Returnable 3A Returnable	White	1	
ECP-WNR-5A	5A Non Returnable			
SCP-B-10A	Schuko Converter Plug 10A non-earth converter	Black	1	
SCP3-B-13A	Schuko Converter Plug 13A			

IP65 Rotary Isolators

- Red padlock control on yellow flange
- Cable knockouts for ease of installation
- Interlocking lid ensures removal in 'OFF' position only
- Handles can be padlocked
- Easy access & switch removal
- Flame retardant material

Technical Data

IP Rating	IP65
RoHS compliant	
Conforms to	EN 60947-3

	Part No	Description	Dimensions	Pk Qty
	ROT3P16A	3 Pole, 16A 440V~	125 x 100 x 86mm (Depth Inc handle 120mm)	1
	ROT4P16A	4 Pole, 16A 440V~	125 x 100 x 86mm (Depth Inc handle 120mm)	
	ROT3P32A	3 Pole, 32A 440V~	125 x 100 x 86mm (Depth Inc handle 120mm)	
	ROT4P32A	4 Pole, 32A 440V~	125 x 100 x 86mm (Depth Inc handle 120mm)	
	ROT3P63A	3 Pole, 63A 440V~	175 x 115 x 100mm (Depth Inc handle 135mm)	
	ROT4P63A	4 Pole, 63A 440V~	175 x 115 x 100mm (Depth Inc handle 135mm)	

Please see Technical Section (p270) for technical drawings.

BELLS & CHIMES

KingShield Doorchimes

The Bells and Chimes range from KingShield offer a wide selection of wirefree and wired chimes to suit every home, including the extra loud wirefree doorchime which is specifically designed for the hard of hearing. Products come in clammed packaging for ease of display. The range has a large selection of bell pushes and accessories.

The Wirefree Doorchime Range has a 'Learn' feature and can learn/search for up to 4 transmitters, selecting one of the 4 tunes available.

The tune list consists of -

1. Ding Dong
2. Ding Dong Dong
3. Ding Dong Ding Dong
4. Westminster (8 Notes)

Doorchime Part Number	Wireless/ Wired	Up to Range	Receiver Dims	Transmitter Dims	dBA	Info	Colour
DW010AN-C	Wireless	100M	H85 x W119 x D39mm	H90 x W30 x D24mm	78	Battery Powered	White
DW040AN-C		150M	H110 x W154 x D50mm	H90 x W30 x D24mm	83	With volume controller Battery Powered	
DW040ASN-C		150M	H110 x W154 x D50mm	H90 x W30 x D24mm	83		Silver
DW050AHN-C		150M	H110 x W154 x D50mm	H90 x W30 x D24mm	95	Extra Loud With flashing Xenon light & volume controller Battery Powered	White
DW030AN-C		150M	H126 x W68 x D48mm	H90 x W30 x D24mm	80	Mains Powered - plug in	
DC010AN-C		90M	H94 x W65 x D34mm	H64 x W39 x D20mm	90	Battery Powered	
DH020A-C	Wired	-	H170 x W112 x D52mm	-	78	-	
DH021A-C							
DHT01AN-C						Mains powered Complete with integral transformer & Bell Push	

Wirefree Doorchimes

The updated KingShield wirefree doorchime range with a new 'search' facility, each receiver can search for up to 4 transmitters. Ideal for homes/offices with several entrances, all transmitters can be set with a different identifying tune.

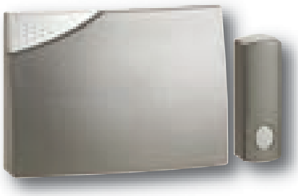
The range will always alert you when somebody is at the door. The "no more wires" digital technology means any of the KingShield wirefree doorchime range may be taken anywhere in the home, garden or mounted on a wall and does not need to be wired to the bell push/transmitter. These doorchimes can also be used with the majority of hardwired bell pushes in conjunction with the DW070AN-C (p58) wirefree transmitter.

The KingShield Beacon doorchime is specifically designed for the hard of hearing. The flashing Xenon light will assist the doorchime sound in making the occupant aware of callers without disturbing the rest of the household in any other way.

- 4 tune options available
- Volume control
- Includes stylish bell push & 3V Lithium battery (CR2032)
- Extra bell pushes are available for callers at another door (DW060AN-C)
- All products clammed for ease of display

Technical Data

Receiver	Requires 3 x C batteries, DW010AN-C requires 3 x AA batteries not supplied
Transmitter	Supplied with 3V Lithium battery (CR2032)
Conforms to	EN62080:2009, EN60065:2002+A1:2006+A11:2008+A2:2010+A12:2011

Part No	Description	Dimensions	
DW010AN-C	Herald Wirefree Doorchime Kit Up to 100M range 78dBA White	Receiver - H85 x W119 x D39mm Transmitter - H90 x W30 x D24mm	
DW040AN-C	Ambassador Wirefree Doorchime Kit Up to 150M range 83dBA with volume controller White	Receiver - H110 x W154 x D50mm Transmitter - H90 x W30 x D24mm	
DW040ASN-C	Ambassador Wirefree Doorchime Kit Up to 150M range 83dBA with volume controller Silver		
DW050AHN-C	EXTRA LOUD Beacon Wirefree Doorchime Kit 150M range 95dBA With flashing Xenon light and volume controller	Receiver H110 x W154 x D50mm Transmitter H90 x W30 x D24mm	

Our "Beacon" Door Chime is ideal for use by people who are hard of hearing and is endorsed by Action on Hearing Loss.

Plug-in Wirefree Doorchime Kit

The KingShield Plug-in Doorchime Kit simply plugs into any 13A socket and with its adaptor front means a spare socket remains available. The chime receiver has a 150M range and has four tune options. No receiver batteries are required.

- 4 tune options available
- No receiver batteries required
- Includes stylish bell push & 3V Lithium battery (CR2032)
- Extra bell pushes are available for callers at another door (DW060AN-C)
- All products clammed for ease of display

Technical Data

Conforms to EN62080:2009, EN60065:2002+A1:2006+A11:2008+A2:2010+A12:2011

	Part No	Description	Dimensions
	DW030AN-C	Mains Powered Plug-in Wirefree Doorchime Kit 150M range 80dBA (Chime acts as an adaptor)	Receiver H126 x W68 x D48mm (excluding pins) Transmitter H90 x W30 x D24mm

Value Wirefree Doorchime

The KingShield Value Wirefree Doorchime is a smaller doorchime that has three different tones and has a range up to 90M. The transmitter requires A23 battery, receiver requires 2 x C LR14 batteries.

Technical Data

Conforms to EN 300220-3, EN 301489-3, EN 60950-1, EN 62080-1

	Part No	Description	Dimensions
	DC010AN-C	Battery Powered Value Wirefree Doorchime Kit 90M range 90dBA	Receiver H94 x W65 x D34mm Transmitter H64 x W39 x D20mm

Wired Doorchimes

The KingShield 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 receiver is connected to the bell push/transmitter via bell wire. It is not connected to the mains power and therefore requires 3 x C cell LR14 batteries or transformer to operate.

- Clear sound
- Classic wired chime
- Traditional ding dong sound

Technical Data

Battery or 8V Transformer operation - (Excluding the DHT01AN-C)

DH020A-C & DH021A-C wired range requires 3 x C cell LR14 batteries

Part No	Description	Dimensions	
DH020A-C	Galaxy Wired Doorchime 78dBA	H170 x W112 x D52mm	
DH021A-C	Tubular Wired Doorchime 78dBA		
Mains Powered Wired Doorchime Kit			
DHT01AN-C	Mains Powered Wired Doorchime Kit 230V AC 50Hz, 78dBA Complete with integral transformer & bell push (Bell wire not supplied) Not suitable for use with illuminated bell pushes	H170 x W105 x D48mm	

Wired 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.
Simply attach the KingShield DW070AN-C wireless transmitter on the inside, on the reverse of the bell push.

- Illuminated bell pushes (DPL03A-C & DPL04A-C) not compatible with wired doorchime kit (DHT01AN-C) and the KingShield wireless doorchime range (p52 - 54)

	Part No	Description	Dimensions
	DP010A-C	Black body / white button	H60 x W30 x D20mm
	DP020A-C	White body / white button	
	DP220A-C	White body / white button with black outline	H52 x W22 x D15mm
	DPL03A-C	Black body / white button Illuminating button	H60 x W30 x D20mm
	DPL04A-C	White body / white button Illuminating button	

Please see Technical Section (p270) for technical drawing on how to wire non-illuminated Bell Pushes (above) to KingShield Wired Doorchimes DH020A-C & DH021A-C.

Wired 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.
Simply attach the KingShield DW070AN-C wireless transmitter on the inside, on the reverse of the bell push.

- Can be used with all the KingShield hard wired range

Part No	Description	Dimensions	
DP050A-C	Wired Bell Push Brass flush plate / white button	H83.5 x W31.5 x D4.5mm Button size: D17mm x 16mm dia.	
DP050AC-C	Wired Bell Push Chrome flush plate / white button	H83.5 x W31.5 x D4.5mm Button size: D17mm x 16mm dia.	
DP080A-C	Wired Bell Push Brass body / white button	H60 x W27 x D27mm	

Doorchime Accessories

The KingShield DW060AN-C Transmitter bell push can be used as an extra bell push with all wireless chimes.

Technical Data

DAT01A

The KingShield DAT01A Bell Chime Transformer is a 1A, double insulated bell & chime transformer. It is 230V AC primary, 4/8/12V AC 1A secondary output

Conforms to EN 60742: 1989.

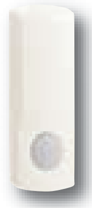
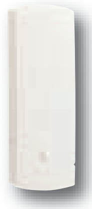
DAT02A

The KingShield DAT02A Bell Transformer is a double insulated bell & chime transformer. 4/8/12V AC, 1A secondary output and is DIN rail mounted.

DAT03A

The KingShield DAT03A Bell Chime Transformer is a 2A double insulated bell & chime transformer with fully segregated primary and secondary connections. It is 230V primary, 4/8/12V AC, 2A secondary outputs. The DAT03A can be surface or DIN rail mounted.

All KingShield transformers are AC output wireless transmitters and conform to EN300220-3, EN301489-3, EN60950-1

	Part No	Description	Dimensions
	**DW060AN-C**	Wireless Transmitter Bell Push	H90 x W30 x D24mm
	**DW070AN-C**	Wireless Transmitter Converts an existing bell push to wirefree operation	H100 x W34 x D24mm
	DAT01A	1A Bell Chime Transformer Double insulated 4/8/12 V AC output	H76 x W54 x D41mm
	DAT02A	1A DIN Rail Mounted Transformer 4/8/12V AC output	H91 x W36 x D65mm
	DAT03A	2A Bell Chime Transformer 4/8/12V AC output Triple module DIN rail mounting Can be surface mounted	H91 x W53 x D65mm

SAT
2015
ON AUTO
T205-C
KS
KingShield

TIMERS, THERMOSTATS & SENSORS

Fused Timer Spur Switch - 7 Day

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

- Energy saving
- 28 ON and OFF settings
- Large backlit LCD display
- Easy set - day / 5 day / 7 day blocks
- Will fit 25 - 47mm back boxes
- Easy to program
- Surface/flush mounting
- Front cable entry
- 700 hrs battery life

Technical Data	
Voltage	230V-50Hz
Rated Impulse Voltage	2,500V
Pollution Degree	2
Operation	Integrated Control
Display	LCD
Operating Temp	-5°C to +40°C
Max Load	Resistive 13A Inductive 6A
Isolation	Double Pole Isolation Switch
Conforms to	BS 1363-4:1995+A4:2012, BS EN 60730-1:2011, BS EN 60730-2-7:2010, BS 4662:2006+A1:2009

	Part No	Description	Dimensions
	T205-C	Fused Timer Spur Switch - 7 Day 'Boost' & 'Advance' controls Slim design Fits 25-47mm back boxes	86.5 x 86.5 x 40mm (46.5mm including switch on front)

The Full Timer Range on offer includes:

- **24hr & 7 day Timers**
- **Mechanical & Electronic versions**
- **Analogue & Digital displays**
- **Options range between 24 - 96 on/off settings**
- **Neon timer 'on' status indicator**
- **All products are clammed for professional display**

24HR MECHANICAL TIMER
Front mounted clock - easy to set and read

7 DAY MECHANICAL TIMERS
'Minute' indicator

MECHANICAL & DIGITAL TIMERS
'On' indicator - shows timer program status

24HR & 7 DAY MECHANICAL TIMERS
on - timed - off settings

Socket Box Timers

- Ideal for most heating applications
- Timer 'on' status indicator
- Fits a 25mm dual appliance socket box should you require to mount the timer next to a fused spur or socket outlet
- Will fit directly to any 25mm deep socket box fitted with an earth terminal
- T108A-C is suitable for discharge lighting applications
- All products are clammed for ease of display

Technical Data

Voltage	230V AC, 16A resistive load, 2A inductive load (T108A-C 8A inductive)
Conforms to	IEC 60730-1, IEC 60730-2-7 KEMA-KEUR BS Certification mark - BS EN 60730-2-7:2010

Part No	Description	Dimensions	
Mechanical Timers			
T100A-C	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-C	7 Day Mechanical Timer 84 on/off settings (12 per day) Analogue clock face On/timed/off switch selector Minute hand indicator		
Electronic Timers			
T105A-C	7 Day Electronic Timer with 150hr battery backup 24 on/off programmes Digital display Manual override Summer time setting option Countdown timer function and 'Random' setting	H77 x W72 x D43mm (Plate 86 x 86mm)	
T108A-C	7 Day Electronic Timer as above with increased 8A inductive rating Digital display Manual override Summer time setting option and 'Random' setting		

Immersion and Dual Tariff Timers

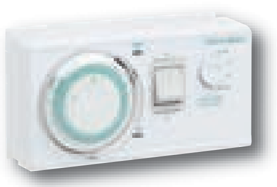
- Timer 'on' status indicator
- All products are clammed for ease of display

Technical Data

Voltage	230V AC 50Hz, 16A resistive load, 2A inductive load
Conforms to	BS EN 60730-1 and BS EN 60730-2-7
	KEMA-KEUR BS Certification mark - BS EN 60730-2-7:2010 *(Except T109-C)*

T109-C: -

The KingShield 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.

	Part No	Description	Product Information/ Dimensions
Mechanical Timers			
	T102A-C	24hr Mechanical Timer 96 on/off settings	Analogue clockface On/timed/off switch selector H127 x W74 x D48mm
	T103A-C	24hr Mechanical Timer with 24hr battery backup 96 on/off settings	Analogue clockface On/timed/switch selector H127 x W74 x D48mm
	T104A-C	7 Day Mechanical Timer 84 on/off settings (12 per day)	Analogue clockface On/timed/off switch selector Minute hand indicator H127 x W74 x D48mm
Electronic Timers			
	T106A-C	7 Day/24hr Electronic Timer with 150hr battery backup 24 on/off programmes	Digital Display Manual Override Summer time setting Countdown timer function and 'Random' setting H127 x W74 x D48mm
Dual Tariff Boost Timer			
	T109-C	16A Dual Tariff Boost Timer	15 - 120 minute boost facility Anti-tamper timer cover H85 x W155 x D50mm

Plug-In Timers

- Manual override
- All products are individually clammed for ease of display

Technical Data

Voltage	230V AC 50Hz, 13A (3kW) resistive load, 2A inductive load
Conforms to	BS EN 60730-1, BS EN 60730-2-7

Extra features on T17B-C only -

- Random delay 'on/off' function
- Timer countdown function
- Complete with AAA battery to keep programmed settings when not plugged in
- Summertime preset setting available

Part No	Description	Dimensions	
Electronic Plug-in			
T17B-C	7 Day Electronic Plug-in Timer/Adaptor 24 on/off programmes	H123 x W64 x D53mm (exl. pins)	
Mechanical Plug-in			
T73A-C	24hr Mechanical Plug-In Timer/Adaptor 15 minute on/off segments	H131 x W76 x D46mm (exl. pins)	

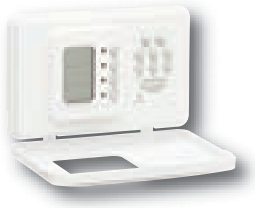
Channel Timers

The KingShield 2 & 4 channel central heating & hot water timers offer the equivalent of 4 or 2 separate 7 day timers in one slim, elegant enclosure. Each channel offers up to 3 programmed operating periods with a boost and advance available on each.

- Up to 4 independently programmable channels (T634A-C)
- 40 on and off settings available per channel
- One hour boost facility for each channel
- Programme advance function for each channel
- Summertime setting
- 7 day battery back up
- Clear backlit LED display
- All products are individually clammed for ease of display

Technical Data

Voltage	230V AC, 3A resistive, 1.25A inductive per channel
Conforms to	IEC 60730-2-7 and IEC 60730-1

	Part No	Description	Dimensions
	T612A-C	1 or 2 Channel Timer	H95 x W154 x D37mm
	**T634A-C**	1 - 4 Channel Timer	

Timer Socket

The KingShield 24hr mechanically 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/off/timed selector
- Power consumption 0.9W
- Operation temperature -5°C to + 40°C

Technical Data

Voltage	230V AC - 50Hz, 13 Amp (4A inductive)
Conforms to	BS 1363-2, EN 60730, EN 60730-2-7

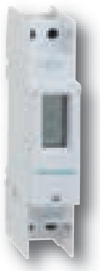
	Part No	Description	Product Information/ Dimensions
	TS70A-C	24hr Mechanically 13A Timer Socket (IP66 Weatherproof version available PXC70TSKT-C p25)	96 on/off settings Operates with 15 minute on/off segments H87 x W147 x D14mm

Din Rail Mounting Timer

- For use in control panels
- Volt free contact
- 6 ON + 6 OFF programmes
- Din rail mounted
- 100 hour battery back up

Technical Data

Voltage	230V AC - 50/60Hz
Load	16A resistive, 2A inductive
Conforms to	EN 60669-2-1

Part No	Description	Dimensions	
T80-C	Digital Compact Din Rail Mounting Timer with 7 day or 24hr programming	H90 x W18 x D55mm	

Wall Switch Timers

Simply replaces a standard wall switch to provide timed switching of lights while still allowing normal switching operation. The hinged cover also operates as light switch.

The T41D-C light sensitive wall switch turns your lights on when it gets dark and maintains them on for up to 8 hours.

- Replaces the existing light switch
- Will still operate as a manual switch

Technical Data

Lamp	40 - 400W - GLS lamps and most low energy lamps 17W and above (not suitable for LED lighting)
Fuse	2A (20 x 5mm)
2 way switch	
Conforms to	EN 60730-1/EN 60730-2-7

Part No	Description	Product Information/ Dimensions	
T40S-C	Wall Switch Security Timer with 24hr Battery Backup 6 on/off programmes per day	7 Day or 24hr Programming available H86 x W86 x D27mm	
T41D-C	Light Sensitive Wall Switch	Adjustable ‘Lights on time’ between 1 - 8 hours H86 x W86 x D27mm	

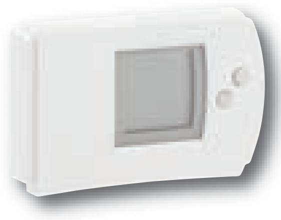
Digital Thermostats

KingShield's range of thermostats are ideal for controlling heating and air conditioning systems.

- Displays both room and set temperature
- Internal switch selector for heat or air conditioning operation
- Easy to read large LCD display
- Low battery indicator

Technical Data

IP Rating	IP20
Contact	SPST, volt free, 5A resistive, 2A inductive (THPW1-C* 16A resistive)
Temperature	Ranges 5˚C to 30˚C, temperature accuracy +/- 0.5˚C
Battery operated	2 x AA (not included)
2 wire operation	
Conforms to	BS EN 60730-2-9

	Part No	Description	Dimensions
	**TH1-C**	Digital Thermostat Displays both room and set temperature	H73 x W113 x D30mm
	THP1-C	Programmable Digital Thermostat 7 Day programming 2 x Pre-set temp settings (comfort & economy) Short/long term temporary temperature override	H83 x W131 x D31mm
	THPW1-CA **THPW1-CB** **THPW1-CC** **THPW1-CD** **THPW1-CE**	Wireless Programmable Digital Thermostat (Wireless version of the THP1-C) 5 variants available to overcome interference from nearby properties, or when installing more than one unit in the same installation. Wireless up to 50M * Use suffix A,B,C,D or E. To avoid interference use different suffixes No need for inter-connecting wires	H83 x W131 x D31mm

Mechanical Thermostats

GreenBrook are pleased to introduce the ‘KingShield’ range of thermostats. In addition to the room thermostats, the range includes two froststats and a cylinder/pipe stat. These mechanical thermostats are easy to install and have an IP rating of IP20. Now available in stylish clam packaging.

Technical Data

Voltage	230V AC resistive load
IP Rating	IP20
Class	Class II
3 wire operation	
Conforms to	EN 60730-1/EN 60730-2-7

Part No	Description	Product Information/ Dimensions	
TH90-C	Thermostat Break on Rise	Resistive 10A opening +5° C to +35° C H83 x W83 x D34mm	
TH90C-C	Changeover Contact Thermostat	Resistive 10A opening, 3A closing +5° C to +35° C H83 x W83 x D34mm	
TH90T-C	Thermostat Tamperproof Break on rise	Resistive 10A opening, 3A closing +5° C to +35° C H83 x W83 x D34mm	
TH90F-C	Froststat For frost protection of building fabric, contents and exposed pipework	Resistive 10A opening -5° C to +15° C H83 x W83 x D34mm	
TH90FT-C	Froststat Tamperproof For frost protection of building fabric, contents & exposed pipework	Resistive 10A opening 3A closing -5° C to +15° C H83 x W83 x D34mm	
TH90CS-C	Cylinder/Pipe Stat Control for boilers and central heating	Resistive 15A opening, 15A closing +20° C to +90° C H120 x W40 x D40mm	

Time Lag Switches

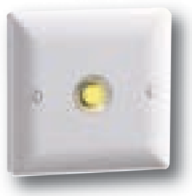
Time lag switches enable the consumer to reduce their energy bills by simply replacing the existing wall switch, they are very quick and inexpensive to install. Designed to switch lights, or other loads, on for a limited time, and to switch off automatically after a user selected time of 5 to 30 minutes has elapsed.

Ideal for use in stairwells, store rooms, pub smoking areas and in many other applications where lights are only required to be on for a short amount of time.

- Adjustable time delay
- No neutral wire is required on TIMLAG210 models

Technical Data

Voltage	230V AC - 50Hz
Loading up to 6A (1500W) of any type of load including fluorescent lights	
Conforms to	EN 60669-2-1

	Part No	Description	Dimensions
	TIMLAG210	1-10 minute Time Lag Switch 2 wire, single pole No neutral is required	H86 x W86 x D25mm Weight 130g
	TIMLAG320	2-20 minute Time Lag Switch 3 wire, single pole Requires a neutral	
	**TIMLAG210L**	1-10 minute Time Lag Switch with illuminating push button 2 wire, single pole No neutral is required	
	TIMLAG320L	2-20 minute Time Lag Switch with illuminating push button 3 wire, single pole Requires a neutral	

Pneumatic Time Delay Switch

For the operation and control of lighting.

- Suitable for controlling GLS, fluorescent and compact fluorescent lighting
- Adjustable time delay from 10 seconds to 10 minutes

Technical Data

Voltage	230V AC - 50Hz
GLS Load	6A, 1440 watts
Fluorescent Load	3A, 720 watts
Change-over contacts	
Conforms to	BS EN 60730-2-7

Part No	Description	Dimensions	
TLS	Pneumatic Time Delay Switch	H85 x W85 x D42mm Weight 82.5g	

Our Timers & Thermostats are sold in attractive clam packs ideal for slat wall displays

KS
FUSED TIMER SPUR SWITCH
7 DAY

PIR Sensors

A PIR sensor detects a change in temperature and therefore is able to detect movement. The outdoor sensors are particularly useful for security as when a person enters the detection zone the PIR will activate the light and draw attention to activity in that area.

Technical Data

Voltage	230V AC - 50Hz
Conforms to	EN 60669-2-1

	Part No	Description	Product Information
Outdoor PIR Sensor			
	IRD180A-C	Outdoor PIR Sensor 12M detection range 180° angle of detection 80° tilt action IP44 Rated	Supply: 230V AC 50Hz Rated load: 1200W Tungsten Filament 300W low energy & fluorescent lamps Time on: Adjustable from 10 sec to 7 mins Temperature: -20 to +40°C
Indoor PIR Sensor			
	CFMPIR	Indoor PIR Sensor 2.5M - 3.5M detection range Flush mounting	Max switching capacity 6A Max load 1440W 'Time on' adjustable from 10 seconds to 40 minutes Photocell override available
	CSMPIR	Indoor PIR Sensor 2.5M - 3.5M detection range Surface mounting	-

Photocells

KingShield's range of Photocells offers a wide selection of products for dusk to dawn switching. A Photocell detects the level of light and will turn lights on when it gets dark.

Technical Data

Voltage	230V AC - 50Hz
Conforms to	EN 60669-2-1

Part No	Description	Product Information	
PEC1000	2000W/10A Electronic Photocell Kit with detachable sensing module ON < 20 - OFF > 80 LUX IP65 Rated	Max switching capacity 10A Max load 2000W tungsten / 2 x 400W HPS 10-15 second switching delay	
PECH	Replacement head for PEC1000		
PEC500	1000W/5A Electronic Photocell Kit with detachable sensing module ON < 20 - OFF > 80 LUX IP65 Rated	Max switching capacity 5A Max load 1000W tungsten / 2 x 240W HPS 10-15 second switching delay	
PECH500	Replacement head for PEC500		

Photocells

KingShield's range of Photocells offer a wide selection of products for dusk to dawn switching. A Photocell detects the level of light and will turn lights on when it gets dark.

Technical Data

Voltage	230V AC - 50Hz
Conforms to	EN 60669-2-1

	Part No	Description	Product Information
	PEC4000-C	1200W/5A Electronic Photocell Adjustable LUX level 5 - 300 LUX IP44 Rated	Max switching capacity 5A Max load 1200W tungsten filament / 500W tungsten halogen Photocell override available
	PEC20	2000W/10A Remote/Panel Mounting Photocell ON < 20 - OFF > 80 LUX IP65 Rated (when fitted)	Max switching capacity 10A Max load 2000W tungsten / 2 x 400W HPS 16mm mounting thread size with lockrings
	PECR	1000W/4.5A Remote Photocell 70 LUX automatic switch on IP65 Rated (when fitted)	Max switching capacity 4.5A Max load 1000W tungsten Electrical life 5000 cycles 20mm mounting thread size with lock rings

Smoke/Heat/CO Alarms

ASIM, ASPM, AHPM and ACOMN.

- Mains powered - 230V
- Extra loud alarm sound at over 85dB
- Low battery and battery missing indicator
- Easy to install with quick fix mounting bracket
- Test/hush button

Technical Data

3yr alkaline battery backup (supplied)

Inter-connects with up to 40 units (all mains types), link voltage 12V DC

Conforms to one or more of the following BS EN 61000-6-3:2007, BS EN 50130-4, BS EN 50270, BS EN 50291, BS EN 14604

Part No	Description	Product Information	
ACOMN	Mains Carbon Monoxide Alarm	Carbon monoxide alarm High & Stable sensitivity	
ASIM	Mains Smoke Alarm with Ionisation Sensor	Ionisation Sensor quickly detects fast flaming fires such as paper fire in bins or grease fire in kitchens	 BS EN 14604:2005 Licence No. KM 539000
ASPM	Mains Smoke Alarm with Photo-electric Sensor	Photo-electric Sensor specifically designed to detect smoke from low smouldering fires	
AHPM	Mains Heat Alarm	Alarm will sound when room temperature reaches 58°c	
AMP	Pattress for Mains Heat, Smoke Alarms & CO Alarms	Surface mounting pattress Easy to install	
SD-170	9V Battery Smoke Alarm	Ionisation sensor - warns of smoke and fire even before flames are visible Low battery warning signal Small size - ø108mm	

Smoke Alarm Test Canister

Smoke Canister with extendable ‘Sabre’ to ensure correct distance and dosage.
Most simple way to test alarms.

- Helps to ensure accurate test results
- More tests per can
- Faster detector activation and clearing
- The end of harmful residue - risk is designed out with the sabre

	Part No	Description	Product Information
	ASCAN	1 x Smoke Canister 150ml	Most simple way to test smoke alarms Helps to ensure accurate test results
	ASCAN-12	12 x Smoke Canisters 150ml **12 x ASCAN-12 complete with free POS Display shown above**	

Flick’n Test
More than canned smoke!

HEATING & VENTILATION

Tubular Heaters and Guards

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

- Wall fixings included
- Guards available to fit all heaters

Technical Data

Voltage	230V AC
IP Rating	IP44
Conforms to	BS EN 60335

	Part No	Description	Dimensions
	TUBH1	Tubular Heater, 60W Can connect up to 24pcs	1FT
	TUBH2	Tubular Heater, 120W Can connect up to 12pcs	2FT
	TUBH3	Tubular Heater, 180W Can connect up to 8pcs	3FT
	TUBH4	Tubular Heater, 240W Can connect up to 6pcs	4FT
	TUBH5	Tubular Heater, 300W Can connect up to 5pcs	5FT
	TUBH6	Tubular Heater, 360W Can connect up to 4pcs	6FT

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

- Easy to install
- Powder coated, steel construction

	Part No	Description	Dimensions
	TUBG11N	Single Tubular Guard To fit TUBH1	1FT
	TUBG21N	Single Tubular Guard To fit TUBH2	2FT
	TUBG31N	Single Tubular Guard To fit TUBH3	3FT
	TUBG41N	Single Tubular Guard To fit TUBH4	4FT
	TUBG51N	Single Tubular Guard To fit TUBH5	5FT
	TUBG61N	Single Tubular Guard To fit TUBH6	6FT

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 or hot air, 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. It is also an ideal choice for heating general areas.

- Fan only / 1500W / 3000W Settings
- Wall or ceiling mounted
- Overheat protection
- Metal case
- Mounting bracket included

Technical Data

Voltage	230 - 240V AC
Conforms to:	EN60335-2-30, EN 60335-1 & EN62233

Part No	Description	Dimensions	
AC3000	Air Curtain	L585 x W185 x H100mm	

Hand Dryers

- Automatic hands free operation
- Overheat thermal cut out protection
- Adjustable sensor distance 20 +/-5 cm
- Over time safety device/Auto shut off after 1 minute continuous use

Technical Data

Voltage	230V AC - 50Hz

1000 Watt - Low Energy

Our low energy hand dryer is suitable for commercial and industrial applications, with an automatic sensor for easy operation and robust AC motor for long life. Energy efficient drying at half the power consumption required by a normal hand dryer, provides safe hand drying solution for any environment.

	Part No	Description	Dimensions
GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving	**HDPLE1000**	1000W Automatic Low Energy Hand Dryer Dual power switch 500W/1000W IP21 Rated 'Blade' shape air flow for efficient hand drying Durable plastic outer case	H230 x W240 x D170mm

1800 Watt

Stylish, powerful and durable, this automatic 1800 watts ABS Plastic housed hand dryer provides solutions for a number of installations. From domestic to light commercial environments such as guest houses, toilets, kitchens and office environments.

	Part No	Description	Dimensions
	HDP1800	1800W Automatic Hand Dryer ABS PVC External Housing IPX1 Rated Double insulated	H270 x W260 x D180mm

Hand Dryers

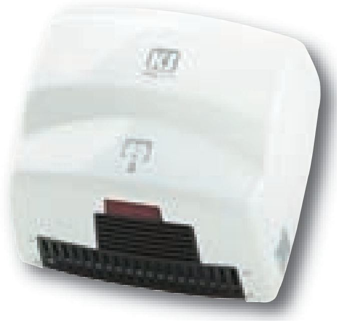
- Automatic hands free operation
- Overheat thermal cut out protection
- Adjustable sensor distance 20 +/-5 cm
- Over time safety device/Auto shut off after 1 minute continuous use

Technical Data

Voltage	230V AC - 50Hz

2400 Watt

Robust vandal resistant cast aluminium housed/steel based automatic hand dryer that provides a solution for commercial and industrial applications. This high impact resistant hand dryer could be ideally situated in restaurants, public houses, gyms, commercial buildings, large office environments, motorway services and holiday sites.

Part No	Description	Dimensions	
HDM2400	2400W Automatic Hand Dryer Cast Aluminium Body, Steel Base IP21 Rated	H240 x W240 x D190mm	

Robust and vandal resistant, ideal for public conveniences in restaurants, public houses, gymnasiums, offices etc.

4"/100mm Axial Extractor Fans - Square

Modern axial unit designed for wall or ceiling mounting and are ideal for air extraction over short distances. Recommended for installations through walls, windows or for ducting runs of under 2 metres.

Suitable for the effective ventilation of toilets, bathrooms, ensuites and washrooms in accordance with IET and Building Regulations.

- Air movement of up to 80 cubic metres/hour (22.2 litres/sec)
- Sound volume 48.6 dBA
- Class II double insulated
- Power consumption 17 watts

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IPX2
Conforms to	BS EN 60335-1:2002 BS EN 60335-2-80:2003

	Part No	Description	Dimensions
	G510	4"/100mm Axial Extractor Fan	H153 x W153 x D30mm Spigot ø 100mm, length 53mm
	G510T	4"/100mm Axial Extractor Fan with fitted overrun timer Timer is adjustable between 2-30 mins	
	G510PC	4"/100mm Axial Extractor Fan with fitted pullcord switch	
	G510HS	4"/100mm Axial Extractor Fan with fitted overrun timer and automatic humidistat Humidistat automatically switches on at 70% relative humidity	
	G510SELV	4"/100mm Axial Extractor Fan 12V Safety Extra Low Voltage Must be used with a 12V controller with SELV output. (See product '12VFC' p82)	

6"/150mm Axial Extractor Fans - Square

- Air movement of up to 230 cubic metres/hour (64 litres/sec)
- Sound volume 44.8 dBA
- Power consumption 25 watts max

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IPX2
Class	Class II double insulated
Conforms to	BS EN 60335-1:2002 BS EN 60335-2-80:2003

Part No	Description	Dimensions	
G242	6"/150mm Axial Extractor Fan	H215 x W215 x D30mm Spigot ø 152mm, length 65mm	
G242PC	6"/150mm Axial Extractor Fan with fitted pullcord switch		
G242T	6"/150mm Axial Extractor Fan with fitted overrun timer Timer is adjustable between 2-30 mins		
G242HS	6"/150mm Axial Extractor Fan with fitted overrun timer and automatic humidistat Humidistat automatically switches on at 70% relative humidity		
G242SELV	6"/150mm Axial Extractor Fan 12V Safety Extra Low Voltage Must be used with a 12V controller with SELV output. (See product '12VFC' p82)		

12V Controllers for G510 & G242 Range

Control for the 12V Safety Extra Low Voltage fans is to be made by a mains transformer unit with SELV output.

These controllers must only be fitted outside zone 2 of a bathroom. Please refer to IET Wiring Regulations for guidance. Each controller is supplied complete with a 25mm deep surface pattress box. Units can alternatively be flush wall mounted if desired.

- Neon indicator fitted to all models

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP30
Output	12V AC, 50Hz, 30W Max SELV
Class	Class II double insulated
Conforms to	BS EN 60335-1:2002 BS EN 60335-2-80:2003

	Part No	Description	Dimensions
	12VFC	12V Controller	H80 x W145 x D55mm
	12VFCT	12V Controller with fitted overrun timer Timer is adjustable between 2-30 mins	
	12VFCHS	12V Controller with fitted overrun timer and automatic humidistat Humidistat automatically switches on at 70% relative humidity	

4"/100mm Centrifugal Fans

A range of powerful yet quiet 4"/100mm centrifugal fans ideally suited for applications where ducting lengths of 2 metres or more are used. Suitable for the effective ventilation of toilets, bathrooms, washrooms and utilities in accordance with IET and Building Regulations.

These units can be wall or ceiling mounted and are fitted with integral back draught shutters. A wide variety of accessories is available to suit any installation requirements.

- Complete with a back draught shutter
- Air movement of up to 110 cubic metres/hour (31 litres/sec)
- Sound volume 60 dBA
- Power consumption 30 watts max

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IPX2
Class	Class II double insulated
Conforms to	BS EN 60335-1:2002 BS EN 60335-2-80:2003

Part No	Description	Dimensions	
K612	4"/100mm Centrifugal Extractor Fan	H170 x W242 x D87mm Spigot ø 98mm, length 45mm	
K612T	4"/100mm Centrifugal Extractor Fan with fitted overrun timer Timer is adjustable between 2-30 mins		

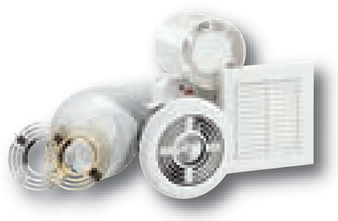
In-Line Shower Fan & Light Kit

The circular shower light extractor grill is available in standard or timed versions and with a choice of three different finishes. These units provide a practical all in one solution for shower cubicles and similar environments.

- Air movement of up to 95 cubic metres/hour (26.7 litres/sec)
- Sound volume 42 dBA
- Lamp power 35 Watts

Technical Data

Class	Class II double insulated
Conforms to	BS EN 60335-2-80:2003

	Part No	Description	Kit Contents
	**C100SLK**	4"/100mm Shower Light & Extractor Fan Kit	1 x 35W Lamp 100mm In-Line Extractor Fan 3 x Extractor Fan Inserts 1 x 60W Electronic Transformer 3M Flexible Ducting 1 x Exterior Fixed Grille
	C100TSLK-C	4"/100mm Shower Light & Extractor Fan Kit with Timer. Adjustable between 2-30 minutes	1 x 35W Lamp 100mm In-Line Extractor Fan with fitted timer 3 x Extractor Fan Inserts 1 x 60W Electronic Transformer 3M Flexible Ducting 1 x Exterior Fixed Grille

In-Line Shower Fan Kit

These units are designed for ceiling mounting in shower cubicles or directly over baths where normal extractor fans would be deemed hazardous. The fan unit itself is mounted remotely in the loft/attic to avoid any potential hazard.

- Air movement of up to 95 cubic metres/hour (26.7 litres/sec)
- Sound volume 42 dBA
- Power consumption 20 watts max

Technical Data

Voltage	230V AC - 50Hz
Class	Class II double insulated
Conforms to	BS EN 60335-1:2002 BS EN 60335-2-80:2003

	Part No	Description	Kit Contents
	EC12	4"/100mm In-Line Extractor Fan Kit Body 100mm, Depth 120mm, Grille H150 x W150mm	100mm In-Line Extractor Fan 2 x G425 100mm Fixed Grilles 1 x 3M length WPVC4 Ducting 4 x Securing Screws
	EC12T	4"/100mm In-Line Extractor Fan Kit with fitted Timer, adjustable between 2-30 minutes Body 100mm, Depth 120mm, Grille H150 x W150mm	100mm In-Line Fan with Timer 2 x G425 100mm Fixed Grilles 1 x 3M length WPVC4 Ducting 4 x Securing Screws

Gravity Shutters

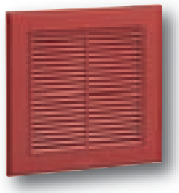
- Variety of colours to complement differing building exteriors
- Available in 4"/100mm or 6"/150mm
- Vent manufactured from high gloss ABS material
- Overall diameter of exhaust inlet 100mm or 150mm
- Pack Quantity 10

Part No	Description	Colour	Dimensions	
G400 **G600**	4"/100mm Gravity Shutter 6"/150mm Gravity Shutter	White	H150 x W150mm H215 x W215mm	
G400BROWN **G600BROWN**	4"/100mm Gravity Shutter 6"/150mm Gravity Shutter	Brown	H150 x W150mm H215 x W215mm	
G400TER **G600TER**	4"/100mm Gravity Shutter 6"/150mm Gravity Shutter	Terracotta	H150 x W150mm H215 x W215mm	

Fixed Grilles

These external or internal fixed grilles are available in a variety of colours to complement differing building exteriors or interiors.

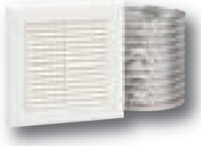
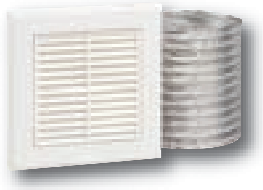
- Available in 4"/100mm or 6"/150mm
- Manufactured from high gloss ABS material
- Overall diameter of exhaust inlet 100mm or 150mm
- Pack quantity 10

	Part No	Description	Colour	Dimensions Grille Size
	G425 **G625**	4"/100mm Fixed Grille 6"/150mm Fixed Grille	White	H150 x W150mm H215 x W215mm
	G425BROWN **G625BROWN**	4"/100mm Fixed Grille 6"/150mm Fixed Grille	Brown	H150 x W150mm H215 x W215mm
	**G425TER** **G625TER**	4"/100mm Fixed Grille 6"/150mm Fixed Grille	Terracotta	H150 x W150mm H215 x W215mm
	G425FS **G625FS**	4"/100mm Fixed Grille with Flyscreen 6"/150mm Fixed Grille with Flyscreen	White	H150 x W150mm H215 x W215mm
	G425FSBROWN **G625FSBROWN**	4"/100mm Fixed Grille with Flyscreen 6"/150mm Fixed Grille with Flyscreen	Brown	H150 x W150mm H215 x W215mm
	G425FSTER **G625FSTER**	4"/100mm Fixed Grille with Flyscreen 6"/150mm Fixed Grille with Flyscreen	Terracotta	H150 x W150mm H215 x W215mm

Wall Kits

Wall kits used to install the KingShield 4” and 6” range of Axial fans.

- Kit comes with 330mm length of fully flexible aluminium ducting

Part No	Description	Dimensions	
4”/ 100mm			
G450GS	Wall Kit with Gravity Shutter to install any of the 4”/100mm KingShield fans through a wall compatible fan G510	Recommended pre-cut Hole size - 120mm Grille size H150 x W150mm	
G450FG	Fixed Grille to install any of the 4”/100mm KingShield fans through a wall compatible fan G510		
6”/ 150mm			
G650GS	Wall Kit with Gravity Shutter to install the 6”/150mm KingShield fan through a wall compatible fan G242	Recommended pre-cut Hole size - 175mm Grille size H215 x W215mm	
G650FG	Fixed Grille to install the 6”/150mm KingShield fan through a wall compatible fan G242		

Window Conversion Kits

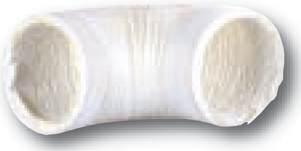
Used to install KingShield extractor fans such as G242 through windows. These conversion kits can be supplied with either a white gravity shutter or white fixed grille. KingShield shutters and grilles are available in different colours, please see the Shutters/Grilles section p85-86.

- Suitable for fitting in glass from 4mm-28mm including double glazed units
- Kit contents -
  Gravity Shutter or Fixed Grille, Adaptor Plate, Rubber Seal & Fixing Screws

	Part No	Description	Dimensions
4"/ 100mm			
	CK4GS	Window Kit with Gravity Shutter to install any of the 4"/100mm KingShield fans through a window compatible fan G510	Recommended pre-cut Hole size - 140mm Grille size H155 x W155mm
	CK4FG	Fixed Grille to install any of the 4"/100mm KingShield fans through a window compatible fan G510	
6"/ 150mm			
	CK6GS	Window Kit with Gravity Shutter to install any of the 6"/150mm KingShield fans through a window compatible fan G242	Recommended pre-cut Hole size -184mm Grille size H215 x W215mm
	CK6FG	Fixed Grille to install any of the 6"/150mm KingShield fans through a window compatible fan G242	

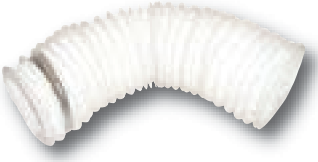
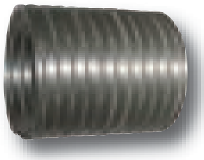
4"/100mm & 6"/150mm Ducting

- Manufactured from flame retardant PVC film
- Each piece is individually packed for ease of display, storage and handling

Part No	Description	Packaging	
4"/ 100mm PVC Flexible Hose			
WPVC4	4"/100mm PVC Flexible Hose 3M length	Netted	
WPVC4-6	4"/100mm PVC Flexible Hose 6M length		
WPVC4-15	4"/100mm PVC Flexible Hose 15M length		
WPVC4-45	4"/100mm PVC Flexible Hose 45M length	Boxed (Contractor pack)	
6"/ 150mm PVC Flexible Hose			
WPVC6	6"/150mm PVC Flexible Hose 3M length	Netted	
WPVC6-6	6"/150mm PVC Flexible Hose 6M length		
WPVC6-15	6"/150mm PVC Flexible Hose 15M length		

4"/100mm Ducting

- Manufactured from flame retardant PVC film or aluminium
- Each piece is individually packed for ease of display, storage and handling

	Part No	Description	Packaging
	**VA200-P**	4"/100mm PVC Flexible Hose & Clamp 1M length	Polybag
	VA209-P	4"/100mm PVC Circular Rigid Hose 350mm length	
	**VA213-P**	4"/100mm Aluminium Circular Semi Rigid Hose 3M length	

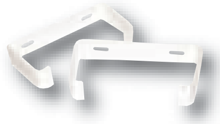
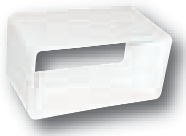
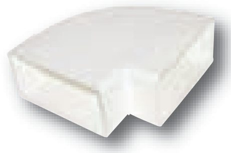
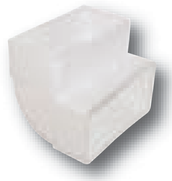
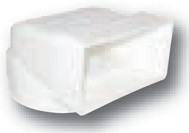
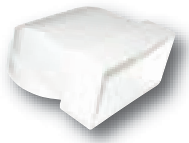
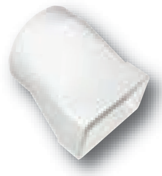
110 x 54mm Ducting

- Manufactured from flame retardant PVC film
- Each piece is individually packed for ease of display, storage and handling

	Part No	Description	Packaging
	VA217-P	110 x 54mm PVC Rectangular Flexible Ducting 3M length	Polybag

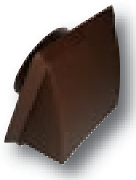
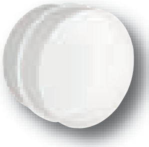
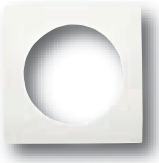
Ventilation Accessories

- To fit opening size 110 x 54mm

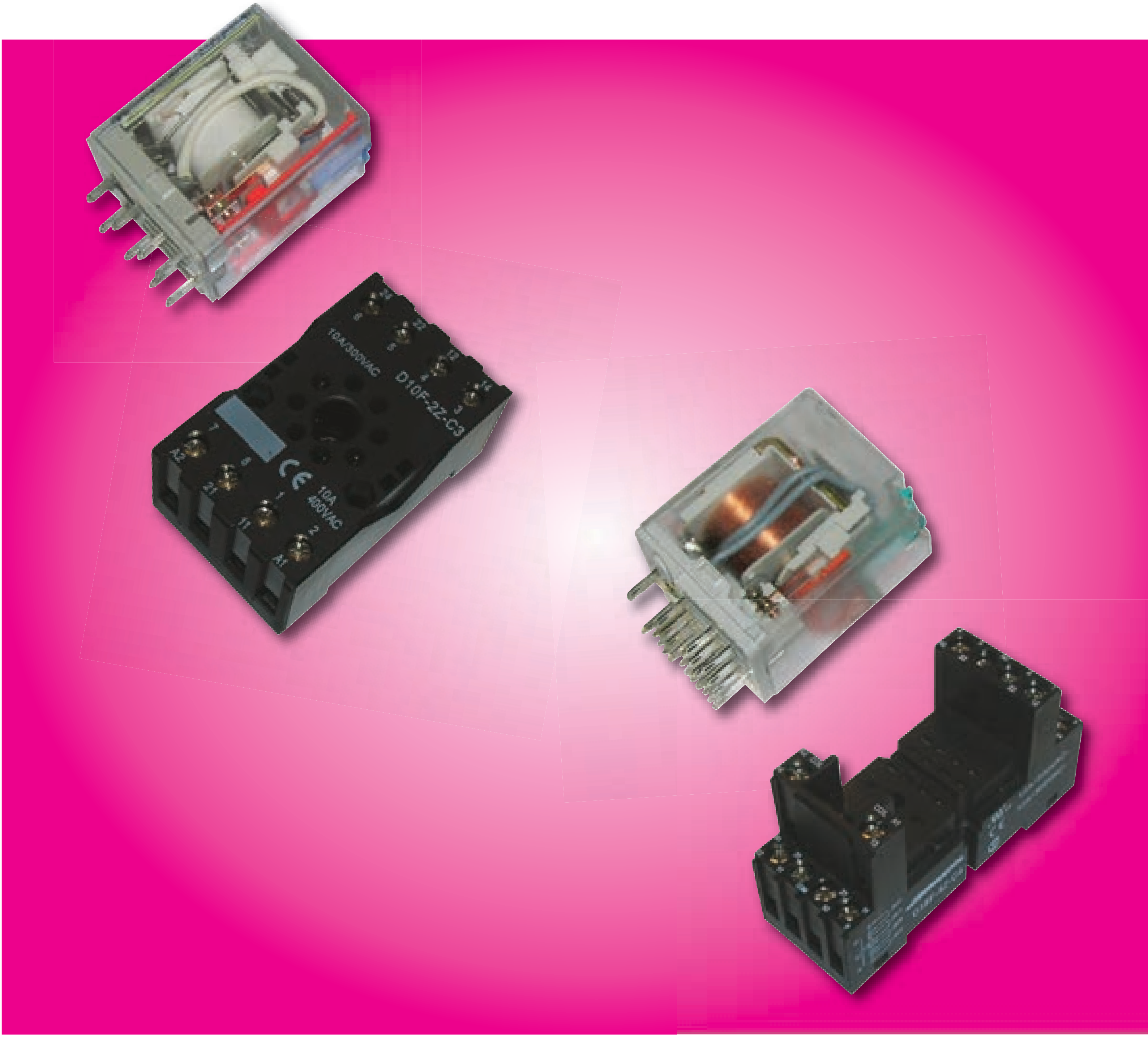
Part No	Description	
VA208-P	Rectangular Ducting Clips (2 per pack)	
VA202-P	Rectangular Ducting Connector	
VA205-P	Rectangular Horizontal Bend	
VA218-P	Rectangular Vertical Bend	
VA203-P	Elbow Round to Rectangle (male)	
VA204-P	Elbow Round to Rectangle (female)	
VA206-P	Adaptor Round to Rectangle	

Ventilation Accessories

- To fit opening size 4”/100mm

	Part No	Description
	VA207-P	Hooded Vent White
	**VA207BROWN-P**	Hooded Vent Brown
	VA210-P	Tumble Dryer Hose Coupler
	VA211-P	PVC Tape W48mm x 5M
	**VA212-P**	In-line Back Draught Shutter
	VA214-P	Universal Tumble Dryer Connector
	VA215-P	Tumble Dryer Threaded Coupler Hose Connector
	**VA216-P**	Round Wall Plate

KS
KingShield


10A/300VAC
D10F-2Z-C3
10A
400VAC

RELAYS

Plug-In Relays and Bases

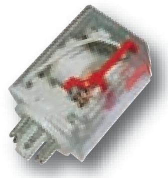
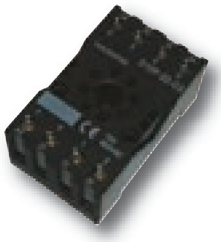
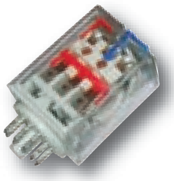
Ideal for controlling domestic and light industrial loads including Heaters, Pumps and Motors. These Relays and Bases are industry standard parts and generally suitable replacements for Tyco, Omron and IMO components of similar style.

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

Technical Data

2 pole	10A (2A Inductive) 250V AC
3 pole	10A (2A Inductive) 250V AC
IP Rating	IP40

Contact material is silver alloy
Contact rating: 10A 250V AC
AC coil consumption: 24V to 230V AC - 1.2VA
DC coil consumption: 24V DC - 0.9W
Complies with UL / CSA

	Part No	Description	Dimensions	Pk Qty
	**PRR208-24DC** **PRR208-24AC** **PRR208-115AC** **PRR208-230AC**	2 Pole changeover relay 8 pin, 24V DC 8 pin, 24V AC 8 pin, 115V AC 8 pin, 230V AC	H69 x W38 x D36mm	5
	**PRRB8**	8 pin DIN Rail base for 2 Pole changeover relay	H26 x W62 x D38mm	10
	**PRR311-24DC** **PRR311-24AC** **PRR311-115AC** **PRR311-230AC**	3 Pole changeover relay 11 pin, 24V DC 11 pin, 24V AC 11 pin, 115V AC 11 pin, 230V AC	H69 x W36 x D38mm	5
	PRRB11	11 pin DIN Rail base for 3 Pole changeover relay	H26 x W62 c D38mm	10

Plug-In Relays and Bases

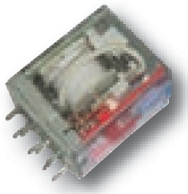
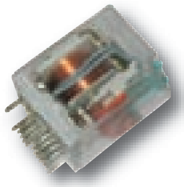
Ideal for controlling domestic and light industrial loads including Heaters, Pumps and Motors. These Relays and Bases are industry standard parts and generally suitable replacements for Tyco, Omron and IMO components of similar style.

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

Technical Data

2 pole	10A (2A Inductive) 250V AC
4 pole	5A (1A Inductive) 250V AC
IP Rating	IP40

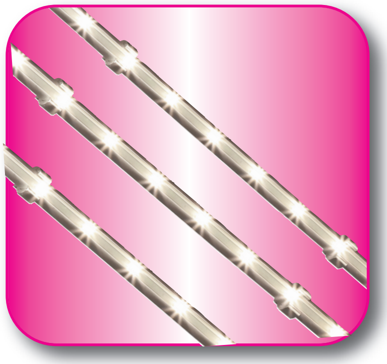
Contact material is silver alloy
Contact rating: 2 pole is 10A 250V AC, 4 pole is 5A 250V AC
AC coil consumption: 24V to 230V AC - 1.2VA
DC coil consumption: 24V DC - 0.9W
Complies with UL / CSA

Part No	Description	Dimensions	Pk Qty	
PRS208-24DC **PRS208-24AC** **PRS208-115AC** **PRS208-230AC**	2 Pole changeover relay 8 pin, 24V DC 8 pin, 24V AC 8 pin, 115V AC 8 pin, 230V AC	H43 x W27 x D21mm	5	
PRSB8	8 pin DIN Rail base for 2 pole changeover relay	H43 x W75 x D27mm	10	
PRS414-24DC **PRS414-24AC** **PRS414-115AC** **PRS414-230AC**	4 Pole changeover relay 14 pin, 24V DC 14 pin, 24V AC 14 pin, 115V AC 14 pin, 230V AC	H43 x W27 x D21mm	5	
PRSB14	14 pin DIN Rail base for 4 Pole changeover relay	H43 x W75 x D27mm	10	

Each product within the KingShield Lighting range has been specifically designed to meet the needs of the installer and the end user.

You will find a comprehensive range of products covering Interior, Exterior and Emergency lighting with LED options on most products.

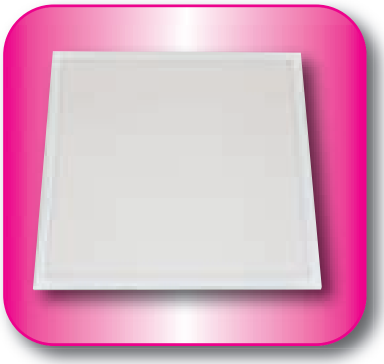
KingShield is the brand of choice for all your installation needs.



LED Striplights

Flexible LED Ribbon

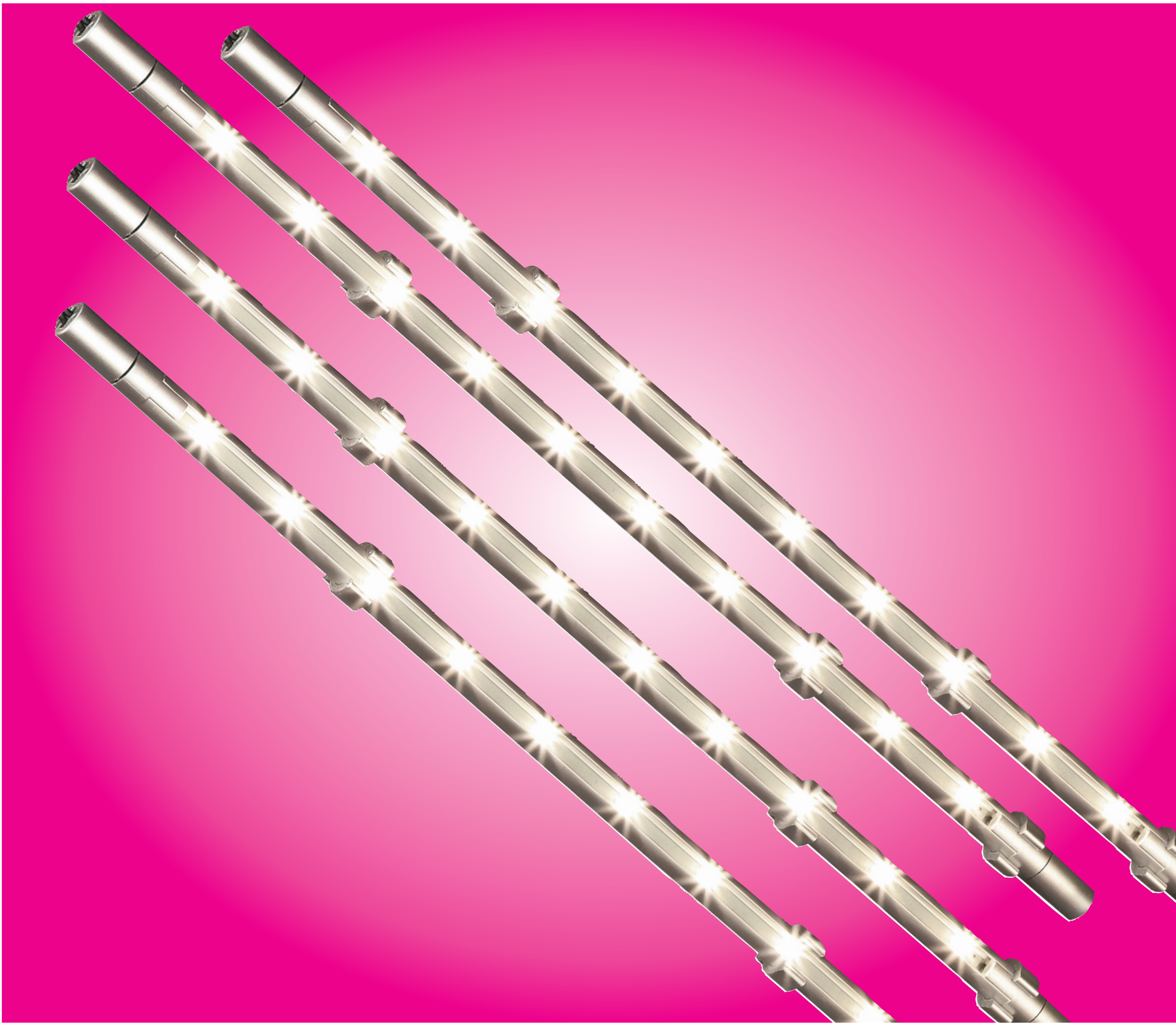
Under Cabinet Lighting



LED Ceiling Panels

Downlights

ShaverLights



INTERIOR LIGHTING

GEMINI RANGE

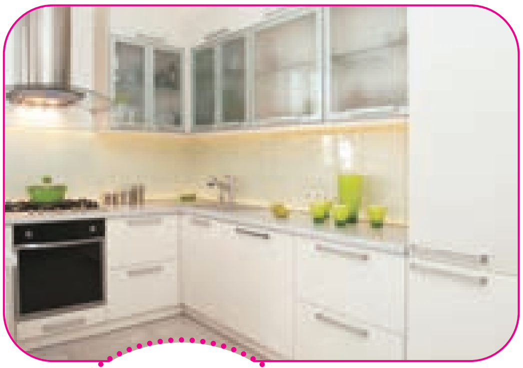
LED Striplights

LED Striplights add subtle downlighting to your home. Ideal for mounting under kitchen units, shelves, wardrobes, display cabinets, alcoves and much more. The striplights simply click together, no tools required.

- 3 kits giving endless fitting combinations
- Can combine 10 LEDs & 20 LEDs fittings up to a total of 60 LEDs
- Fittings can be close butted or linked with adjustable link lead
- Available in white, cool white and blue LEDs
- Typical lifespan 25,000 hours
- Available in clam packaging

Technical Data

Constant Voltage Driver	12V
Conforms to	BS EN 60950-1

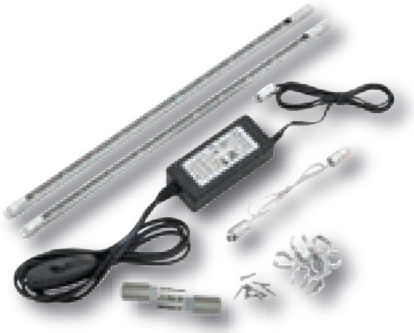


IDEAL FOR DOMESTIC & COMMERCIAL APPLICATIONS

LED 3 Year Warranty

LED Striplight System

Warm White - 3,000K	Cool White - 4,000K	Blue - 50,000K
35cm Striplight	35cm Striplight	35cm Striplight
50 lm/W, 1W	50 lm/W, 1W	7 lm/W, 1W



LED Starter Kits

LED add on lengths - 35cm

LED add on lengths - 60cm

Part No.	Colour Temperature	Total Wattage	No of LEDs per strip	Input (d.c)	Length	Kit	LEDs with Driver LED60D	LEDS with Driver LED100D
LED Starter Kit								
LEDSLW1-C	Warm White 3,000K	< 1W per 35cm strip	10	12V	2 x 35cm	Yes (supplied with driver)	Up to 60 LEDs -any combination	Up to 100 LEDs -any combination
LEDSLB1-C	Blue 50,000K							
LEDSLC1-C	Cool White 4,000K							
LED Add On , 2 x 35cm								
LEDSLW2-C	Warm White 3,000K	< 1W per 35cm strip	10	12V	2 x 35cm	Yes	Up to 60 LEDs -any combination	Up to 100 LEDs -any combination
LEDSLB2-C	Blue 50,000K							
LEDSLC2-C	Cool White 4,000K							
LED Add On , 1 x 60cm								
LEDSLW3-C	Warm White 3,000K	< 2W per 60cm strip	20	12V	1 x 60cm	Yes	Up to 60 LEDs -any combination	Up to 100 LEDs -any combination
LEDSLB3-C	Blue 50,000K							
LEDSLC3-C	Cool White 4,000K							

LED Striplights

The inter-connectable Gemini LED Striplights from KingShield are a stylish, cost-effective and eco-friendly solution to installing feature lighting. Available in a choice of colours and lengths, the energy-efficient LED striplight range is ideal for providing feature lighting under kitchen units or shelves, in display cabinets or in wardrobes.

LED 3 Year Warranty

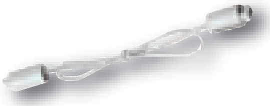
Part No	Description	Contents	Dimensions	
	LED Striplight Starter Kit 2 x 35cm 10 LED lights <1W per 35cm strip	2 x 35cm LED Striplights 1 x 30cm Link Lead 8 x Crimps 2 x Female connectors 2 x Male connectors 8 x Mounting clips & screws 1 x In-line LED driver	L345 x ø12mm	
LEDSLB1-C	Blue 50,000K 7 lm/W per 35cm strip			
LEDSLC1-C	Cool White 4,000K 50 lm/W per 35cm strip			
LEDSLW1-C	Warm White 3,000K 50 lm/W per 35cm strip			
	LED Striplight Add On 2 x 35cm 10 LED lights <1W per 35cm strip	2 x 35cm LED Striplights 1 x 30cm Link Lead 8 x Crimps 2 x Female connectors 2 x Male connectors 8 x Mounting clips & screws	L345 x ø12mm	
LEDSLB2-C	Blue 50,000K 7 lm/W per 35cm strip			
LEDSLC2-C	Cool White 4,000K 50 lm/W per 35cm strip			
LEDSLW2-C	Warm White 3,000K 50 lm/W per 35cm strip			
	LED Striplight Add On 1 x 60cm 20 LED lights <2W per 60cm strip	1 x 60cm LED Striplight 1 x 30cm Link Lead 8 x Crimps 2 x Female connectors 2 x Male connectors 8 x Mounting clips & screws	L588 x ø12mm	
LEDSLB3-C	Blue 50,000K 7 lm/W per 60cm strip			
LEDSLC3-C	Cool White 4,000K 50 lm/W per 60cm strip			
LEDSLW3-C	Warm White 3,000K 50 lm/W per 60cm strip			

*Please see Technical Section (p272) for technical scale drawings of the LED Striplights.

LED Striplight Accessories

These easy plug-in accessories for LED striplight range enable local control by light level.

- Can be installed at beginning of fittings
- Can also be installed between fittings

	Part No	Description	Colour
	LED60D	LED Driver 60 LEDs 12VDC, 500mA Mains input lead 1.2m DC output lead 2.1m	Black
	LED100D	LED Driver 100 LEDs 12VDC, 1,000mA Mains input lead 1.2m DC output lead 2.1m	
	LEDDIM	In-line Dimmer for LED Striplights 12VDC, 12W Cable length 15cm each side	
	LEDPC	In-line Photocell for LED Striplights 12VDC, 12W Cable length 15cm each side	
	LEDPIR	In-line PIR for LED Striplights Local control of striplights by motion Cable length 15cm each side Detection range max 5m On-time 4 mins max	
	**LEDLEAD**	30cm Link Lead	White

LED Ribbon - can be angled to 90°

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

- High quality LED Ribbon available in both straight and bendable to 90° to navigate corners
- Strips can be cut, linked or joined
- 5 metre Rolls using 3M adhesive
- Controllers and Dimmers available separately
- Connection kits available
- 6 & 12mm strip width

STEP 1

Choose Ribbon

STEP 2

Choose Power Supply to cover total wattage consumption

STEP 3

Choose Dimmer or RGB Controller Kit

	Part No	Description	Colour	Requires
STEP 1	**LEDRIB20WW** **LEDRIB20DL**	IP20 SMD 3528 LED Ribbon - Bendable Non Dimmable 300 LEDs on 5M Roll 6mm wide 12V DC 4.8W/M	Warm White (3000K) Day Light (6000K)	Requires Power Supply
	LEDRIB67WW **LEDRIB67DL**	IP67 SMD 3528 LED Ribbon - Straight Non Dimmable 300 LEDs on 5M Roll 6mm wide 12V DC 4.8W/M	Warm White (3000K) Day Light (6000K)	Requires Power Supply
	LEDRIB20DWW **LEDRIB20DDL**	IP20 Dimmable and Bendable SMD 3528 LED Ribbon 300 LEDs on 5M Roll 6mm wide 12V DC 4.8W/M	Warm White (3000K) Day Light (6000K)	Requires Power Supply as standard & Dimmer LEDRIBDIM if dimming required
	LEDRIB20RGB	IP20 Dimmable and Bendable SMD 5050 LED Ribbon 210 LEDs on 5M Roll 12mm wide 12V DC 10W/M	Red/Green/Blue	Requires Minimum 60W Power Supply & RGB Controller Kit LEDRIBRGBC
STEP 2	**LEDRIBPS30**	30W Power Supply	-	-
	LEDRIBPS60	60W Power Supply	-	-
	LEDRIBPS72	72W Power Supply	-	-
STEP 3	**LEDRIBRGBC**	Red/Green/Blue Controller Kit - Output 3 channel	-	The RGB controller has a dimming function
	LEDRIBDIM	Dimmer Kit 0% -100%	-	-

AQUILA RANGE

LED Ultra Slim Link Light Fittings

The KingShield range of LED Ultra Slim fittings are supplied complete with a Cool white (4,000K) LED lamp, 2 metre power/link lead, prismatic diffuser and mounting brackets (clips).
Up to 30 of the same wattage fittings can be interlinked by butt and/or lead connections.

LED
3 Year
Warranty

- Ideal for unobtrusive display applications, pelmets, under shelves, bookcases and cabinets
- Cool white (4,000K)
- 120° beam angle
- Ultra slim design
- Individually switched
- Flicker free quick start
- 3 year warranty

Technical Data

Voltage	230V AC - 50Hz
Conforms to	EN 60598-1:2008+A11:09 EN 60598-2-1:1989 EN 61347-1:2008+A1:11 EN 61347-2-13:2006

Part No	Description	Dimensions
SLLLED3	LED 3W Ultra Slim Link Light 86.9 lm/W LED's array 18 piece	L267 x W22 x H44mm
SLLLED4	LED 4W Ultra Slim Link Light 84.6 lm/W LED's array 24 piece	L343 x W22 x H44mm
SLLLED7	LED 7W Ultra Slim Link Light 85.9 lm/W LED's array 40 piece	L571 x W22 x H44mm
SLLLED14	LED 14W Ultra Slim Link Light 84.4 lm/W LED's array 62 piece	L604 x W22 x H44mm
SLLLED18	LED 18W Ultra Slim Link Light 84.8 lm/W LED's array 84 piece	L904 x W22 x H44mm
SLLLED22	LED 22W Ultra Slim Link Light 85.6 lm/W LED's array 102 piece	L1204 x W22 x H44mm

LED Ultra Slim Link Light Fittings

The KingShield range of LED Ultra Slim fittings are supplied complete with a Warm White (3,000K) LED lamp, 2 metre power/link lead, prismatic diffuser and mounting brackets (clips).

Up to 30 of the same wattage fittings can be interlinked by butt and/or lead connections.

LED
3 Year
Warranty

- Ideal for unobtrusive display applications, pelmets, under shelves, bookcases and cabinets
- Warm White (3,000K)
- 120° beam angle
- Ultra slim design
- Individually switched
- Flicker free quick start
- 3 year warranty

Technical Data

Voltage	230V AC - 50Hz
Conforms to	EN 60598-1:2008+A11:09 EN 60598-2-1:1989 EN 61347-1:2008+A1:11 EN 61347-2-13:2006

Part No	Description	Dimensions
SLLLED3WW	LED 3W Ultra Slim Link Light 82.7 lm/W LED's array 18 piece	L267 x W22 x H44mm
SLLLED4WW	LED 4W Ultra Slim Link Light 82.9 lm/W LED's array 24 piece	L343 x W22 x H44mm
SLLLED7WW	LED 7W Ultra Slim Link Light 82.6 lm/W LED's array 40 piece	L571 x W22 x H44mm
SLLLED14WW	LED 14W Ultra Slim Link Light 82.1 lm/W LED's array 62 piece	L604 x W22 x H44mm
SLLLED18WW	LED 18W Ultra Slim Link Light 81.4 lm/W LED's array 84 piece	L904 x W22 x H44mm
SLLLED22WW	LED 22W Ultra Slim Link Light 82.7 lm/W LED's array 102 piece	L1204 x W22 x H44mm

Fluorescent Link Light Information

Discontinuation of T4 Fittings -

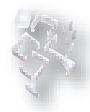
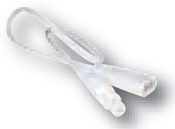
Due to environmental issues beyond our control the T4 triphosphor tube supplied in our MLL T4 fitting has been discontinued. The SLL T5 is of similar cross section size, is a more reliable and competitive product and comes complete with a diffuser.

The T5 link lights are ideal cabinet lights for in the home and commercial buildings. The fittings provide an even light, with no hard glare, instant start up and zero flicker.

T5 link light fittings

	Weight (kg)	*Lamp Life (hrs)*	*Voltage (V)*	*Running Current (I)*	*Class*	*IP*	*Linkable (max fitting no)*	*Main Materials*	*Lamp Holder Cap*	*Colour*
SLL6NJ	0.141	5,000	230V~ 50Hz	30MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL8NJ	0.167	5,000	230V~ 50Hz	33MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL14NJ	0.256	5,000	230V~ 50Hz	58MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL18NJ	0.286	5,000	230V~ 50Hz	80MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL21NJ	0.362	5,000	230V~ 50Hz	87MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL24NJ	0.391	5,000	230V~ 50Hz	95MA	II	IP20	Butt or cable (10)	PBT self extinguishing	G5	White 3400K
SLL28NJ	0.457	5,000	230V~ 50Hz	126MA	II	IP20	Butt or cable (6)	PBT self extinguishing	G5	White 3400K
SLL32NJ	0.491	5,000	230V~ 50Hz	144MA	II	IP20	Butt or cable (6)	PBT self extinguishing	G5	White 3400K
SLL35NJ	1.505	5,000	230V~ 50Hz	170MA	II	IP20	Butt or cable (6)	PBT self extinguishing	G5	White 3400K

T5 link light accessories

	Part No	Description	Dimensions	Compatible
	**SLLCNJ**	T5 Mounting Bracket 2 clips per pack	-	SLL Range
	**SLLL250NJ**	T5 Power / Link Lead	250mm	SLL Range & SLLLED Range
	SLLL500NJ	T5 Power / Link Lead	500mm	SLL Range & SLLLED Range
	SLLL1000NJ	T5 Power / Link Lead	1000mm	SLL/RLL Range & SLLLED Range
	RLLC	Female Plug Connector Re-wireable	-	RLL Range

Please note - a 2m power / link lead and 2 mounting clips are supplied with all T5 light fittings and rotatable light fittings.

The RLLC female plug connector is required if you want to connect a RLL light fitting to a cable that is already installed, making the changeover very quick and easy.

T5 Fluorescent Link Light Fittings

The KingShield range of fluorescent slimline link light fittings are supplied complete with a white (3400K) T5 triphosphor tube, 2 metre power/link lead, prismatic diffuser and mounting brackets (clips).

10 fittings can be interlinked up to 24 Watts and 6 fittings can be linked above 24 Watts by butt and/or lead connections. The slimline design and flicker free quick start makes them a popular product.

- Can be ceiling, wall or under cabinet mounted
- Energy efficient - more light output per watt
- Lightweight - easy to install
- Individually switched - good control of light output and local control
- Link leads and clips are also available separately
- Individually boxed with euro hook slot

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Class	Class II
Conforms to	BS EN 60598-1

Part No	Description	Dimensions
SLL6NJ	6W Slimline T5 Link Light 56 lm/W	L267 x W22.5 x H44mm
SLL8NJ	8W T5 Link Light 56 lm/W	L343 x W22.5 x H44mm
SLL14NJ	14W T5 Link Light 62 lm/W	L604 x W22.5 x H44mm
SLL18NJ	18W T5 Link Light 62 lm/W	L640 x W22.5 x H44mm
SLL21NJ	21W T5 Link Light 62 lm/W	L904 x W22.5 H44mm
SLL24NJ	24W T5 Link Light 68 lm/W	L948 x W22.5 x 44mm
SLL28NJ	28W T5 Link Light 68 lm/W	L1204 x W22.5 x H44mm
SLL32NJ	32W T5 Link Light 68 lm/W	L1250 x W22.5 x H44mm
SLL35NJ	35W T5 Link Light 68 lm/W	L1505 x W22.5 x H44mm

Replacement T5 Triphosphor Tubes

- Lamp life is approximately 5000 hours on average
- The dimensions given below do not include the pins at each end
- Pack qty 10

Technical Data

Pin length	6mm

Part No	Part No	Part No	Description	Watts
WHITE (3400k)	**WARM WHITE (2700k)**	**COOL WHITE (4000k)**	Dimensions below do not include pins	
SLLT6 56 lm/W	**SLLT6WW** 58 lm/W	**SLLT6CW** 56 lm/W	T5 Triphosphor Tubes Length: 212mm	6W
SLLT8 56 lm/W	**SLLT8WW** 58 lm/W	**SLLT8CW** 56 lm/W	T5 Triphosphor Tubes Length: 288mm	8W
SLLT14 62 lm/W	**SLLT14WW** 64 lm/W	**SLLT14CW** 62 lm/W	T5 Triphosphor Tubes Length: 549mm	14W
SLLT18 62 lm/W	**SLLT18WW** 64 lm/W	**SLLT18CW** 62 lm/W	T5 Triphosphor Tubes Length: 585mm	18W
SLLT21 62 lm/W	**SLLT21WW** 64 lm/W	**SLLT21CW** 62 lm/W	T5 Triphosphor Tubes Length: 849mm	21W
SLLT24 68 lm/W	**SLLT24WW** 70 lm/W	**SLLT24CW** 68 lm/W	T5 Triphosphor Tubes Length: 893mm	24W
SLLT28 68 lm/W	**SLLT28WW** 70 lm/W	**SLLT28CW** 68 lm/W	T5 Triphosphor Tubes Length: 1149mm	28W
SLLT32 68 lm/W	**SLLT32WW** 70 lm/W	**SLLT32CW** 68 lm/W	T5 Triphosphor Tubes Length: 1195mm	32W
SLLT35 68 lm/W	**SLLT35WW** 70 lm/W	**SLLT35CW** 68 lm/W	T5 Triphosphor Tubes Length: 1449mm	35W

T5 Rotatable Fluorescent Fittings

The KingShield range of rotatable fluorescent cabinet light fittings are supplied complete with a white (3400K) T5 triphosphor tube, 2 metre power/link lead and prismatic diffuser. 10 fittings can be interlinked by lead connection depending on wattage. The modern and attractive appearance of these fittings with the added benefit of their flicker free quick start makes them particularly suitable for all types of display and discreet lighting applications.

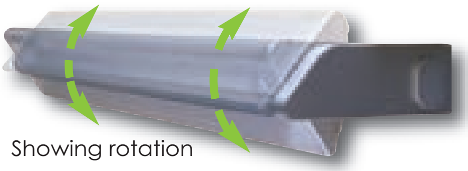
- Can be wall or under cabinet mounted
- Rotatable to 45°
- Silver finish & slim design
- Individually switched - good control of light output and local control
- Link leads and clips also available separately
- Individually boxed with euro hook slot

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS EN 60598-1

The RLLC female plug connector is useful if you want to connect an RLL light fitting to a cable that is already installed. Making the changeover very quick and easy (as shown on page 104).

Part No	Description	Dimensions
RLL8	8W 56 lm/W	L360 x W77 H27mm
RLL14	14W 62 lm/W	L621 x W77 x H27mm
RLL18	18W 62 lm/W	L655 x W77 x H27mm
RLL21	21W 71 lm/W	L923 x W77 x H27mm



Showing rotation

LED Cabinet Lights

An exciting addition to the KingShield lighting range, the LED Recessed Cabinet Light is designed to be placed inside kitchen wall units and fitted in to fly-over shelves. The LED light produces low heat levels which is ideal for safety when placed inside cabinets.

The LED version of our cabinet light is provided with a surface mounting ring which may be discarded if you wish to recess the fitting into your furniture. Comes pre-wired complete with its own driver.

- Easy to install
- Low energy consumption
- Recessed or surface mounted
- Life span 50,000 hours

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

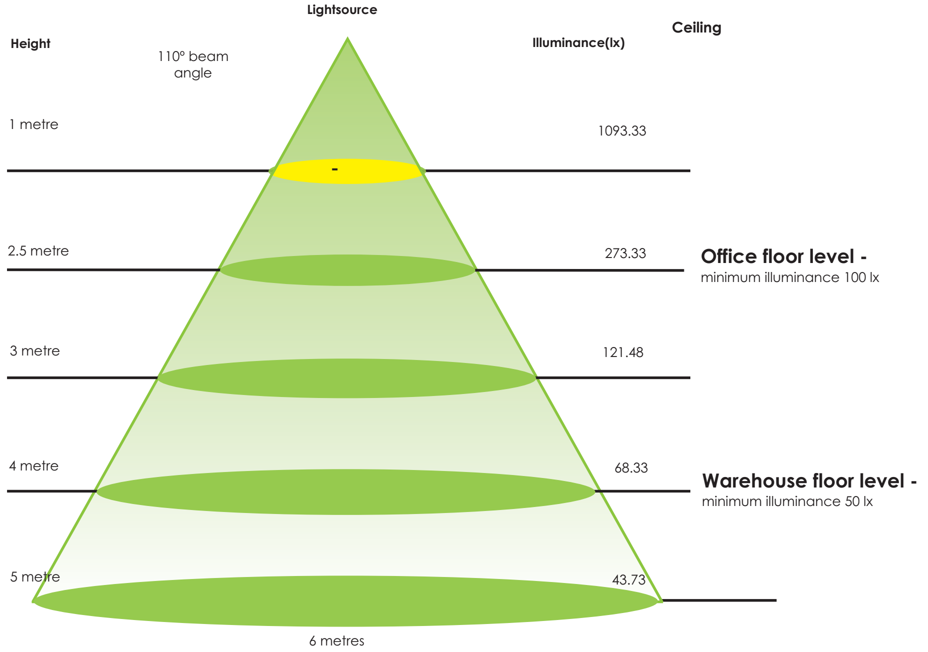
Technical Data

Conforms to	BS EN 61347-1 BS EN 61347-2-13

	Part No	Description	Colour
	LEDCLWH	70mm rim dia x 20mm deep 230V 50Hz 3W, Daylight 6000K Complete with 10.5V, 3W driver Hole cut-out 63-65mm 59 lm/W	White
	LEDCLCH		Chrome
	LEDCLSC		Satin Chrome

LED Ceiling Panel - light output

OPTIMUM LIGHT OUTPUT FOR ANY ENVIRONMENT


Lightsource
Height
110° beam angle
Illuminance(lx)
Ceiling
1 metre
1093.33
2.5 metre
273.33
Office floor level -
minimum illuminance 100 lx
3 metre
121.48
4 metre
68.33
Warehouse floor level -
minimum illuminance 50 lx
5 metre
43.73
6 metres

LED Ceiling Panel

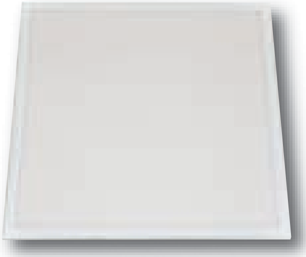
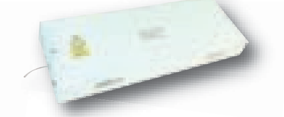
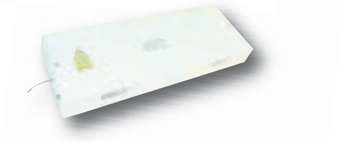
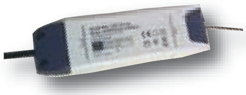
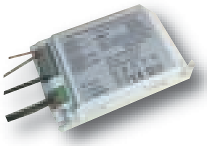
The LED Ceiling Panel is new to the KingShield range, typical applications are commercial buildings, schools, hospitals and offices.

- Dimmable (when used with dimmable driver)
- Choice of drivers available
- 4 edge lit
- Energy saving upto 50%
- Instant start
- Even lighting output
- Long life LED technology
- Emergency Pack Available

LED 3 Year Warranty

Technical Data

Conforms to	BS EN 60598-1 BS EN 60598-2-2

Part No	Description	Product Information	
LEDP664DLND	40W LED Ceiling Panel 600 x 600mm Super slim only 12mm Daylight 6000K 75 lm/W CRI = 70	**This panel does not include a driver -** **Please choose the driver you require from the list below**	
LEDPSTDRI	Non Dimmable KingShield Standard LED Panel Driver	Non Dimmable 1 Year Warranty	
LEDPPRDRI	Non Dimmable KingShield Premier LED Panel Driver	Non Dimmable 3 Year Warranty	
LEDPDIMDRI010	LED Dimmable Driver	0-10V Dimmable Driver	
LEDDIMTRIAC	TRIAC Dimmable Driver	TRIAC Driver	
LEDDIMDALI	DALI Dimmable Driver	DALI Driver	
LEDPEMN	30V 15W-65W LED Emergency Pack > 3hr Non Maintained battery life	For use with LEDP6640DLND and driver of your choice	

‘4 EDGE LIT WITH NO OBSERVABLE FLICKER IN START UP AND OPERATION’

IP40 Dimmable LED Recessed SMD Downlights

An easy to install dimmable commercial fitting with an average life of 30,000 hours

- Dimmable High Output Luminaire
- Drop glass accessories available to order
- Available in a Matt White finish

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

Technical Data

IP Rating	IP40

	Part No	Description	Colour
	LEDCDL16W	16W 4,000K High output 90° beam angle 30,000 Hours 1128 lm 70.5 lm/W Depth: 84mm Overall ø: 190mm Cut Out ø: 170mm	White
	LEDCDL23W	23W 4,000K High output 90° beam angle 30,000 Hours 1605 lm 69.8 lm/W Depth: 105mm Overall ø: 210mm Cut Out ø: 210mm	White

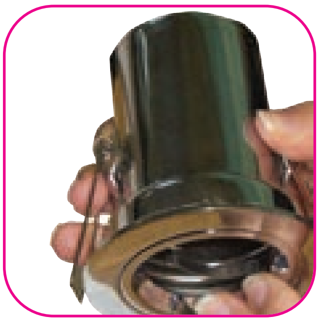
Fire Rated Downlights

With the unique technology now available we can offer a recessed fire rated downlight which dispenses with the requirements of the intumescent seal. In the event of the ambient temperature rising to 300°C a thermal link releases a pre-loaded shutter to rotate within 0.5 seconds closing the ventilation holes to prevent fire spreading.

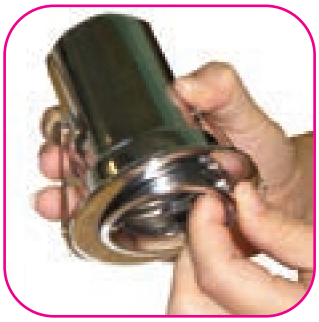
- 30, 60 & 90 minutes fire rated (to BS 476 - 21: 1987)
- Compliant with Part B Building Regulations (fire safety)
- Compliant with Part E Building Regulations (resistance to passage of sound)
- Independently tested and approved
- Full protection without firehood
- Adjustable springs for different ceiling thickness
- LED, Mains and low voltage
- Energy saving variants
- IP65 bathroom fittings
- Complete with lamps
- Available in white, chrome, satin chrome and brass

Twist & Lock

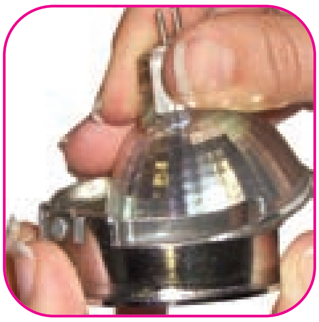
Lamp holder for quick & easy installation



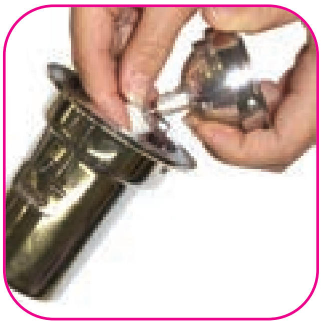
Step 1
Twist ring
anti-clock wise



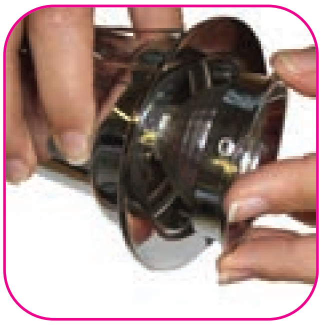
Step 2
Remove
lock ring



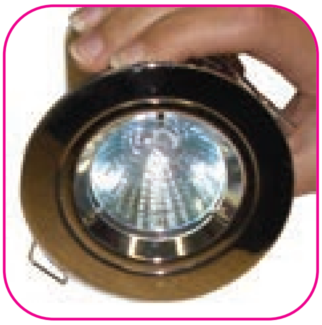
Step 3
Place lampholder
into lock ring



Step 4
Plug lamp into
lamp connector



Step 5
Push twist ring into
lamp housing and
twist ring clockwise

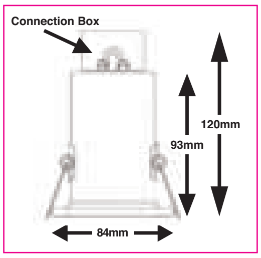


Step 6
Lamp is now
in place

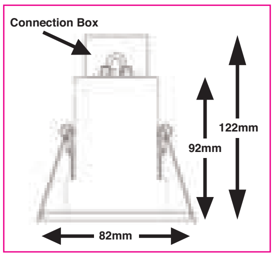
Fire Rated Downlights Specification Table

Product No.	Description				Twist & Lock	White
FR1001SGU	Mains Voltage	Steel	Fixed			W
FR1001AGU	Mains Voltage	Aluminium	Fixed		✓	W
FR1002SGU	Mains Voltage	Steel	Tilt			W
FR1002AGU	Mains Voltage	Aluminium	Tilt		✓	W
FR1004GU	Mains Voltage Bathroom IP65	Aluminium	Fixed			W
FR1001AL11W	Mains Voltage	Aluminium	Fixed		✓	W
FR1002AL11W	Mains Voltage	Aluminium	Tilt		✓	W
FR1004AL11W	Mains Voltage Bathroom IP65	Aluminium	Fixed			W
FR1001ALED	Mains Voltage	Aluminium	Fixed	**LED**	LED	W
FR1002ALED	Mains Voltage	Aluminium	Tilt	**LED**	LED ✓	W
FR1004ALED	Mains Voltage Bathroom IP65	Aluminium	Fixed	**LED**	LED ✓	W

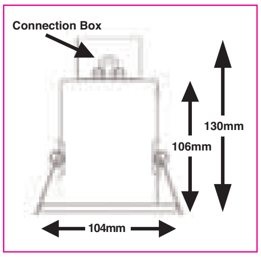
A


Connection Box
120mm
93mm
84mm

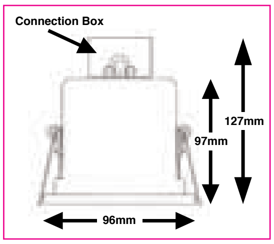
B


Connection Box
122mm
92mm
82mm

C

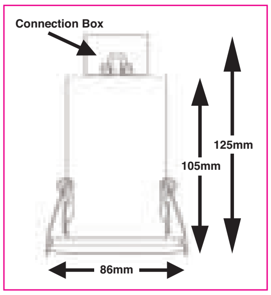

Connection Box
130mm
106mm
104mm

D

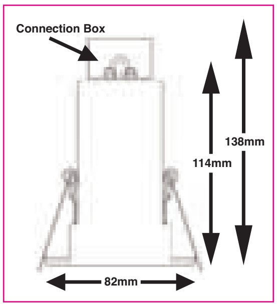

Connection Box
127mm
97mm
96mm

Chrome	Satin Chrome	Brass	Hole Cut-out	Maximum Wattage	Lamp	Spec Drawing
C	SC	B	66 mm	50W	GU10 Halogen/Compact	A
C	SC	B	70 mm	50W	GU10 Halogen/Compact	B
C	SC	B	89 mm	50W	GU10 Halogen/Compact	C
C	SC	B	83 mm	50W	GU10 Halogen/Compact	D
C	SC	N/A	73 mm	35W	GU10 Halogen/Compact	E
C	SC	N/A	70 mm	11W	GU10 Energy Saving	F
C	SC	N/A	83 mm	11W	GU10 Energy Saving	G
C	SC	N/A	73 mm	11W	GU10 Energy Saving	H
C	SC	N/A	70 mm	3W	LED GU10 Energy Saving	B
C	SC	N/A	83 mm	3W	LED GU10 Energy Saving	D
C	SC	N/A	73 mm	3W	LED GU10 Energy Saving	E

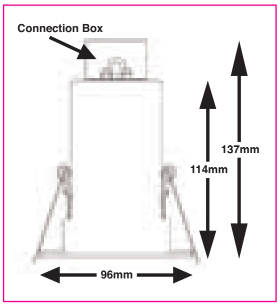
E


Connection Box
125mm
105mm
86mm

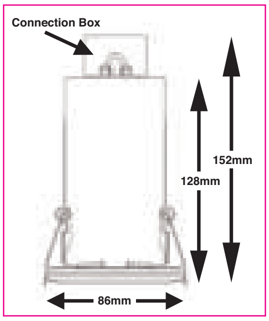
F


Connection Box
138mm
114mm
82mm

G


Connection Box
137mm
114mm
96mm

H


Connection Box
152mm
128mm
86mm

IP65 Fixed LED Dimmable Fire Rated Downlights

A fantastic addition to the KingShield Interior Lighting range, these LED Fire Rated Downlights are available in Warm White 3,000K or Cool White 4,000K. Available in three colour choices - White, Chrome and Satin Chrome.

LED 3 Year Warranty

- Includes Dimmable LED Driver

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

Technical Data

IP Rating	IP65

	Part No	Description	Colour
Warm White - 3000K			
	LEDDL3000W	Fixed 10W Warm White Mains voltage 3,000K 78 lm/W CRI >85 60° Beam Angle Cut out 85mm Dimension Void 77mm	White
	LEDDL3000SC		Satin Chrome
Finishes available ⬜ ⬜ ▨	**LEDDL3000C**		Chrome
Cool White - 4000K			
	LEDDL4000W	Fixed 10W Cool White Mains voltage 4,000K 78 lm/W CRI >85 60° Beam Angle Cut out 85mm Dimension Void 77mm	White
	LEDDL4000SC		Satin Chrome
Finishes available ⬜ ⬜ ▨	**LEDDL4000C**		Chrome

Twist
& Lock

Lamp holder for quick
& easy installation

LED Fire Rated Aluminium Downlights

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

30, 60 & 90 Mins LED Fire Rated Downlight Range.
Mains voltage, aluminium finish, available in fixed or tilt units along with a IP65 bathroom option.

- Low energy - 88% saving against halogen
- Aluminium bezel
- 4W Warm White lamp 3000K (included)

Technical Data

Conforms to BS 476 Part 21

Part No	Description	Colour	
Fixed Mains Voltage			
FR1001ALEDW	Fixed Mains voltage Cut out 70mm Dimension Void 122mm 51.3 lm/W	White	 Finishes available ⬜ ⬜ ⬛
FR1001ALEDC		Chrome	
FR1001ALEDSC		Satin Chrome	
Tilt Mains Voltage			
FR1002ALEDW	Tilt Mains voltage Cut out 83mm Dimension Void 127mm 51.3 lm/W	White	 Finishes available ⬜ ⬜ ⬛
FR1002ALEDC		Chrome	
FR1002ALEDSC		Satin Chrome	
IP65 Rated, Fixed Mains Voltage			
FR1004ALEDW	Fixed Mains Voltage IP65 Rated Cut out 73mm Dimension Void 125mm 51.3 lm/W	White	 Finishes available ⬜ ⬜ ⬛
FR1004ALEDC		Chrome	
FR1004ALEDSC		Satin Chrome	

Mains Voltage, Steel Construction

- Certified for 30, 60 or 90 minute fire rated ceilings
- No need for firehoods

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS 476 Part 21

	Part No	Description	Colour
Mains Voltage, Steel Construction, Fixed			
	FR1001SGUB	50W Fixed GU10 halogen lamp supplied Cut out, 66mm Dimension Void 120mm 2700K 7 lm/W	Brass
	FR1001SGUC		Chrome
	FR1001SGUSC		Satin Chrome
Finishes available 🟨 ⬜ ◼ ⬜	**FR1001SGUW**		White
Mains Voltage, Steel Construction, Tilt			
	FR1002SGUB	50W Tilt GU10 halogen lamp supplied Cut out, 89mm Dimension Void 130mm 2700K 7 lm/W	Brass
	FR1002SGUC		Chrome
	FR1002SGUSC		Satin Chrome
Finishes available 🟨 ⬜ ◼ ⬜	**FR1002SGUW**		White

Mains Voltage, Aluminium Construction, Fixed

- Certified for 30, 60 or 90 minute fire rated ceilings
- No need for firehoods
- Twist & lock retainer for quick and easy lamp installation

Twist
& Lock

Lamp holder for quick
& easy installation

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS 476 Part 21

Part No	Description	Colour	
Mains Voltage, Aluminium Construction, Fixed			
FR1001AGUB	50W Fixed GU10 halogen lamp supplied Cut out, 70mm Dimension Void 122mm 2700K 7 lm/W	Brass	
FR1001AGUC		Chrome	
FR1001AGUSC		Satin Chrome	
FR1001AGUW		White	Finishes available 🟨 ⬜ ⬛ ⬜
Mains Voltage, Aluminium Construction, Fixed, Low Energy Lamps			
FR1001AL11WC	11W Fixed 11W Low Energy Lamp supplied Cut out, 70mm Dimension Void 138mm 6400K 21 lm/W	Chrome	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving
FR1001AL11WSC		Satin Chrome	
FR1001AL11WW		White	Finishes available ⬜ ⬛ ⬜

Mains Voltage, Aluminium Construction, Tilt

- Certified for 30, 60 or 90 minute fire rated ceilings
- No need for firehoods
- Twist & lock retainer for quick and easy lamp installation

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS 476 Part 21

Twist & Lock

Lamp holder for quick & easy installation

	Part No	Description	Colour
Mains Voltage, Aluminium Construction, Tilt			
 Finishes available 🟨 ⬜ ▨ ⬜	**FR1002AGUB**	50W Tilt GU10 halogen lamp supplied Cut out, 83mm Dimension Void 122mm 2700K 7 lm/W	Brass
	FR1002AGUC		Chrome
	FR1002AGUSC		Satin Chrome
	FR1002AGUW		White
Mains Voltage, Aluminium Construction, Tilt, Low Energy			
 Finishes available ⬜ ▨ ⬜	**FR1002AL11WC**	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving 11W Tilt 11W Low Energy Lamp supplied Cut out, 83mm Dimension Void 137mm 6400K 21 lm/W	Chrome
	FR1002AL11WSC		Satin Chrome
	FR1002AL11WW		White

IP65, Aluminium Construction

Suitable for use in bathrooms

- Certified for 30, 60 or 90 minute fire rated ceilings
- Suitable for use in bathrooms
- No need for firehoods

Technical Data

Conforms to BS 476 Part 21

Part No	Description	Colour	
Mains Voltage, IP65, Aluminium Construction			
FR1004GUC	35W Fixed IP65 Rated (Bathroom) Mains Voltage GU10 halogen lamp supplied Cut out, 73mm Dimension Void 125mm 2700K 10 lm/W	Chrome	
FR1004GUSC		Satin Chrome	
FR1004GUW		White	Finishes available

IP65 Mains Voltage, Low Energy Lamps, Aluminium Construction

- Certified for 30, 60 or 90 minute fire rated ceilings
- Suitable for use in bathrooms
- No need for firehoods

Technical Data

Conforms to BS 476 Part 21

Part No	Description	Colour	
FR1004AL11WC	11W Fixed IP65 Rated (Bathroom) 11W Low Energy Lamp supplied Cut out, 73mm Dimension Void 152mm 6400K 21 lm/W	Chrome	
FR1004AL11WSC		Satin Chrome	
FR1004AL11WW		White	Finishes available

Mains Voltage Downlights - Closed Back

- Supplied with half bridge shrouded terminal connector block
- Requires GU10, 50W max lamp - not supplied
- Closed back

Technical Data

Conforms to	EN 60598-2-1

	Part No	Description	Colour
Mains Voltage Downlights, Closed Back, Fixed			
	DL1050CR	50W Fixed Downlight Dimensions Void 140mm Hole ø 65mm Rim ø 80mm	Chrome
	DL1050SCR		Satin Chrome
Finishes available ⬜ ▩ ⬜	**DL1050W**		White
Mains Voltage Downlights, Closed Back, Tilt			
	DL1050TSCR	50W Tilt Downlight Dimensions Void 140mm Hole ø 80mm Rim ø 103mm	Satin Chrome

Finishes available

▩

Mains Voltage Downlights - Open Back

This range of downlights provide bright white light to product displays without needing to install a transformer. Complete with TUV approved ceramic lampholder, pre-wired terminal block and retaining clips.

- Supplied with half bridge shrouded terminal connector block
- Requires GU10 50W max lamp - not supplied
- Open back

Technical Data

Conforms to EN 60598-2-1

Part No	Description	Colour	
Mains Voltage Downlights, Open Back, Fixed			
DL1050CRO	50W Fixed Downlight Mains Voltage Dimensions Void 75mm Hole ø 60mm Rim ø 80mm	Chrome	
DL1050SCRO		Satin Chrome	
DL1050WO		White	Finishes available ◻ ■ ◻
Mains Voltage Downlights, Open Back, Tilt			
DL1050TCRO	50W Tilt Downlight Mains Voltage Dimensions Void 90mm Hole ø 72mm Rim ø 95mm	Chrome	
DL1050TSCRO		Satin Chrome	
DL1050TWO		White	Finishes available ◻ ■ ◻

Downlight Spares

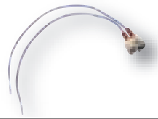
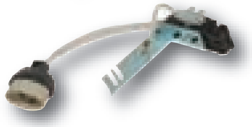
Applies to Firehood only :-

The KingShield Firehood has a 60 minute fire rating. It is suitable to cover a wide range of mains & low voltage downlights. It is also ventilated to reduce heat build up.

- Prevents fire from penetrating the ceiling void and retains ceiling's fire protection integrity

Technical Data

Conforms to BS476 Part 23.

	Part No	Description	Colour
	DLR	Lamp Retainer Ring	Chrome
	**LVHDL**	Spare lampholder for low voltage downlights	-
	**GUHDL**	Spare lampholder for GU downlights	-
	FH1	60 Minute Firehood Conforms to BS 476 part 23 ø150 x 150mm	White

Transformers

These transformers are built to be maintenance free in an extremely compact design allowing easy installation through the luminaire aperture. Complete with built in auto-resetting short circuit protection and thermal overload fuse cut out.

Technical Data

ETR60 auto-resetting thermal overload

EMC approved

Conforms to EN 61347-2-2

	Part No	Description	Dimensions
	ETR60	60VA Dimmable Transformer Supplied with leads Auto reset overload, short circuit and thermal protection 5 year guarantee	H30 x W120 x D20mm
	LT105T	105VA Electronic Transformer Dimmable 35W - 105W	H48 x W150 x D37mm
	LT150T	150VA Electronic Transformer Non-Dimmable	H58 x W215 x D48mm

Energy Saving PL Pendant

Energy saving PL Pendant ceiling rose meets the latest building regulations. Intelligent built-in electronic control gear. With standard 3 plate loop-in ceiling rose and flex. Complies with latest British and European Standard.

Technical Data

Conforms to EN 60598-2-1

Part No	Description	Product Information	
PLPA	Energy Saving PL Pendant Not suitable for dimming	10 - 18W, 4 pin Branded PL/PLC lamps only required G23/G24 (not supplied) 230V AC - 50Hz PLPA overall length not including lamp 245mm 38mm Shade ring included	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

** Further Ceiling Accessories can be found on pages 41 & 42*

Dimmable Pull Switch

Our KingShield Dimmable Pull Switch is an ideal product to use for soothing mood lighting or as a night light in the bathroom.

- Easy to install - simply replaces existing pull cord
- Dims standard and low voltage lighting (with suitable transformer)
- Quiet smooth switch action
- Safe and easily operated control lighting
- Not suitable for LED lighting

Technical Data

Conforms to EN 55015

Part No	Description	Product Information	
DIMPULLSW-C	Dimmable Pull Switch	Comes complete with white and chrome covers Certified to European Safety Standards Standard lighting max load 250W LV lighting max load 170W	

IP20 LED Shaver Lights

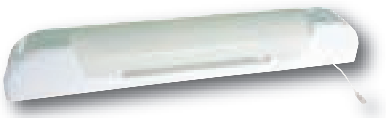
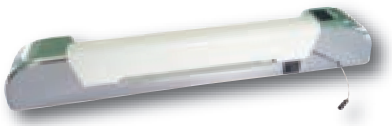
- Low energy alternative to standard Bathroom Shaver Light
- Long life span 30,000
- Shaver socket is continuously live

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Running Current	0.05 Amps
Colour Temp	6000K
Long life span	30,000 hours
Ambient Temp	-20°C - +40°C
Conforms to	BS EN 60598-2-1

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

	Part No	Description	Colour	Dimensions
	**STA4LED**	7W 68.6 lm/W	White	H59 x W490 x D70mm
	**STA4LEDCH**		Chrome	

IP20 Shaver Lights

- Dual voltage IP20 shaver sockets
- Accepts British and continental plugs
- A4N & STA4 offers mains isolation on removal of diffuser
- Socket continuously live
- Safety automatic switching shutter - prevents two plugs being inserted at the same time (STA4)
- Lamps are supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Power	20VA double wound overload protection transformer
F marked	Suitable for installation on to normal flammable surfaces
Conforms to	EN 60598-1 & EN 61558-2-5

Part No	Description	Colour	Dimensions	
A4N	60W Tungsten Linear 284mm Double Cap Lamp	White	H59 x W481 x D71mm	
A4PL	Low energy 2 pin, 11W PL Lamp 34 lm/W			
A4PLC		Polished Chrome		
STA4	60W Tungsten Linear 284mm Double Cap Lamp	White	H60 x W495 x D70mm	

Each product within the KingShield Lighting range has been specifically designed to meet the needs of the installer and the end user.

This section highlights our outstanding range of Exterior Light fittings suitable for both domestic and commercial use.

KingShield is the brand of choice for all your installation needs.

ACP Fittings

Round Bulkheads

Square Bulkheads

IP65 Bulkheads

Floodlights

Lanterns

Site Lighting

EXTERIOR LIGHTING

IP65 HF Anti-Corrosive Fluorescent Luminaires

The ‘KingShield’ ACP light fittings include High Frequency Ballast, suitable for commercial and industrial applications. Complete with polycarbonate base and diffuser with stainless steel clips and fixing clips.

- Fittings include HF Ballast
- Polycarbonate base and diffuser
- Stainless steel diffuser clips and fixing clips
- Suitable for commercial and industrial applications
- Takes T8 fluorescent tubes (not supplied)
- Emergency option available
- 110V option available

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-2-1

Emergency Version

- Non Maintained
- Greater than three hour emergency operation
- Integral emergency pack

Part No	Emergency Version	Description	Length
ACPHF118	-	18W Single Lamp 4 clips	665mm / 2ft
ACPHF136	**ACPHF136EM**	36W Twin Lamp 8 clips	1270mm / 4ft
ACPHF158	**ACPHF158EM**	58W Single Lamp 10 clips	1586mm / 5ft
ACPHF170	**ACPHF170EM**	70W Single Lamp 12 clips	1880mm / 6ft
ACPHF218	-	18W Twin Lamp 6 clips	665mm / 2ft
ACPHF236	**ACPHF236EM**	36W Twin Lamp 4 clips	1270mm / 4ft
ACPHF258	**ACPHF258EM**	58W Twin Lamp 10 clips	1586mm / 5ft
ACPHF270	**ACPHF270EM**	70W Twin Lamp 12 clips	1880mm / 6ft
110V			
ACPHFLV158	**ACPHFLV158EM**	58W Single Lamp - Yellow 10 clips 110V	1586mm / 5ft
ACPHFLV258	-	58W Twin Lamp - Yellow 10 clips 110V	1586mm / 5ft

Please see Technical Section (p271) for technical drawings.

IP65 LED HF Anti-Corrosive Luminaires

The NEW 'KingShield' LED ACP light fittings are suitable for commercial and industrial applications. Complete with polycarbonate base and diffuser with stainless steel clips and fixing clips.

- Polycarbonate base and diffuser
- Metal Gear Tray
- Stainless steel diffuser clips and fixing clips
- Suitable for commercial and industrial applications
- Emergency option available

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-2-1

Part No	Emergency Version	Description	Length	
ACPLED15	**ACPLED15EM**	40W Single LED Lamp 6500K 3200 lumens 12 clips	1565mm / 5ft	
ACPLED25	**ACPLED25EM**	40W Twin LED Lamp 6500K 6000 lumens 12 clips	1565mm / 5ft	
ACPLED16	**ACPLED16EM**	48W Single LED Lamp 6500K 3500 lumens 14 clips	1840mm / 6ft	
ACPLED26	-	40W Single LED Lamp 6500K 6500 lumens 14 clips	1840mm / 6ft	

IP44 LED Bulkheads

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

This IP44 range of LED Bulkheads is suitable for indoor or outdoor use.

- Polycarbonate base & diffuser
- Low energy alternative to standard CFL bulkhead
- 75% energy saving over fluorescent lamps
- White bezel as standard, alternative black and silver bezels available

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Conforms to	EN 60598-1 EN 60598-2-1

	Part No	Description	Diffuser
	LEDR448WO	8W White Base 6000K 120 LEDs 52.7 lm/W Ø 270mm, D94mm	Opal Diffuser
	LEDR4415WO	15W White Base 6000K 220 LEDs (15W) 50.7 lm/W Ø 325mm, D116mm	

IP65 LED Bulkheads

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

This IP65 range of LED Bulkheads is suitable for indoor or outdoor use.

- Very low Energy Rating “A”
- Polycarbonate base & diffuser
- Low energy alternative to standard CFL bulkhead
- 75% energy saving over fluorescent lamps
- White bezel as standard
- Emergency versions available (please contact the sales office for details)

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-1 EN 60598-2-1

Part No	Description	Colour	Dimensions	
LEDR6516WO	16W LED Bulkhead White Base 6000K 264 LEDs 58.7 lm/W	White	Depth: 130mm Overall Ø: 350mm	
LEDR6523WO	23W LED Bulkhead White Base 6000K 360 LEDs 75 lm/W		Depth: 133mm Overall Ø: 430mm	

IP65 16W Round CFL Bulkheads

This range of CFL Bulkheads is suitable for indoor or outdoor use, constructed from polycarbonate and have a high frequency electronic ballast. Available with either white or black base and prismatic or opal diffuser.

- High frequency ballast
- Polycarbonate diffuser and base
- GR8q, 4 pin lamp supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked - suitable for installation on to normal flammable surfaces	
Conforms to	EN 60598-2-1

	Part No	Description	Colour
	2DR16BO	16W Round CFL Bulkhead 3500K 17 lm/W ø 200mm, D80mm	Black Base Opal diffuser
	2DR16WO		White Base Opal diffuser
	2DR16BP	16W Round CFL Bulkhead 3500K 41 lm/W ø 200mm, D80mm	Black Base Prismatic diffuser
	2DR16WP		White Base Prismatic diffuser

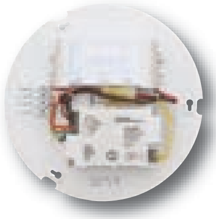
IP65 28W Round CFL Bulkheads

This range of CFL Bulkheads is suitable for indoor or outdoor use, constructed from polycarbonate and have a high frequency electronic ballast. Available with either white or black base and prismatic or opal diffuser.

- High frequency ballast
- Polycarbonate diffuser and base
- GR8q, 4 pin lamp supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked - suitable for installation on to normal flammable surfaces	
Conforms to	EN 60598-2-1

Part No	Description	Colour	
2DR28BO	28W White 3500K 17 lm/W ⌀ 280mm, D80mm	Black Base Opal diffuser	
2DR28WO		White Base Opal diffuser	
2DR28BP	28W White 3500K 41 lm/W ⌀ 280mm, D80mm	Black Base Prismatic diffuser	
2DR28WP		White Base Prismatic diffuser	
CFLTRAYR	28W Emergency Gear Tray Easily converts to emergency bulkhead - simply replace ballast with emergency gear tray CFLTRAYR Battery life is greater than 3 hrs in emergency mode when using CFLTRAYR	For 2DR28 Round fittings	

IP44 CFL Decorative Bulkheads

This IP44 range of CFL bulkheads is suitable for indoor or outdoor use, constructed from polycarbonate and have a high frequency electronic ballast. Available with either prismatic or opal diffuser. All fittings supplied with white bezel as standard.

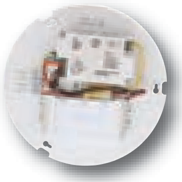
- High frequency ballast
- Polycarbonate diffuser and base
- GR8q, 4 pin lamp supplied
- White bezel as standard, alternative black and silver bezels available

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Class	Class 1 construction
F marked	Suitable for installation on to normal flammable surfaces
Conforms to	EN 60598-2-1

	Part No	Description	Colour
	CFL16O	16W White Bezel 3500K 17 lm/W Ø 270mm	Opal diffuser
	CFL16P		Prismatic diffuser
	CFL28O	28W White Bezel 3500K 16 lm/W Ø 325mm	Opal diffuser
	CFL28P		Prismatic diffuser

CFL Accessories

Part No	Description	Dimensions	
CFLTRAYR	28W Emergency Gear Tray for CFL28 round fittings Battery life is greater than 3 hours in emergency mode	-	
CFLB16BLK	16W Black Bezel Plastic	ø 270mm	
CFLB16CR	16W Chrome Bezel Plastic		
CFLB28BLK	28W Black Bezel Plastic	ø 325mm	
CFLB28CR	28W Chrome Bezel Plastic		

IP65 16W Square CFL Bulkheads

This range of CFL Bulkheads is suitable for indoor or outdoor use, constructed from polycarbonate and have a high frequency electronic ballast. Available with either white or black base and prismatic or opal diffuser.

- High frequency ballast
- Polycarbonate diffuser and base
- GR8q, 4 pin lamp supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked	Suitable for installation onto normal flammable surfaces
Conforms to	EN 60598-2-1

	Part No	Description	Colour
	2DS16BO	16W Square CFL Bulkhead White 3500K 17 lm/W H190 x W190 x D87mm	Black Base Opal diffuser
	2DS16WO		White Base Opal diffuser
	2DS16BP	16W Square CFL Bulkhead White 3500K 41 lm/W H190 x W190 x D87mm	Black Base Prismatic diffuser
	2DS16WP		White Base Prismatic diffuser

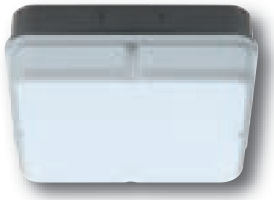
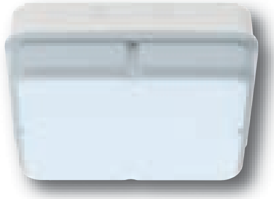
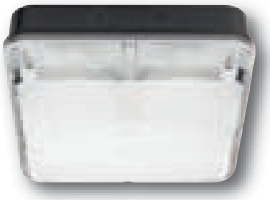
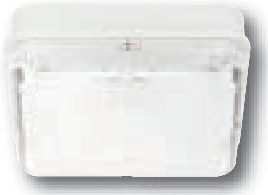
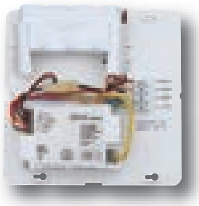
IP65 28W Square CFL Bulkheads

This range of CFL Bulkheads is suitable for indoor or outdoor use, constructed from polycarbonate and have a high frequency electronic ballast. Available with either white or black base and prismatic or opal diffuser.

- High frequency ballast
- Polycarbonate diffuser and base
- GR8q, 4 pin lamp supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked	Suitable for installation on to normal flammable surfaces
Conforms to	EN 60598-2-1

Part No	Description	Colour	
2DS28BO	28W Square CFL Bulkhead White 3500K 17 lm/W H250 x W250 x D87mm	Black Base Opal diffuser	
2DS28WO		White Base Opal diffuser	
2DS28BP	28W Square CFL Bulkhead White 3500K 41 lm/W H250 x W250 x D87mm	Black Base Prismatic diffuser	
2DS28WP		White Base Prismatic diffuser	
CFLTRAYS	28W Emergency Gear Tray Easily converts to emergency bulkhead - simply replace ballast with emergency gear tray (CFLTRAYS) Battery life is greater than 3 hrs in emergency mode when using CFLTRAYS	For 2DS28 square fittings	

IP65 LED Bulkheads

- Polycarbonate Base
- Energy Saving
- Zero Maintenance
- Suitable for wall or ceiling mounting

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked	Suitable for installation onto normal flammable surfaces
Conforms to	EN 60598-2-1

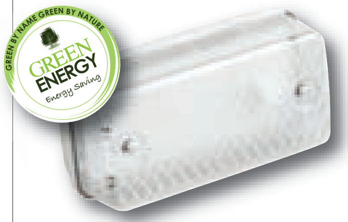
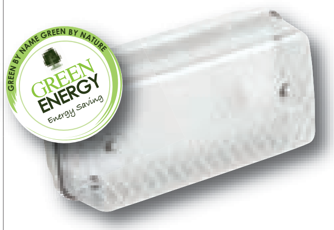
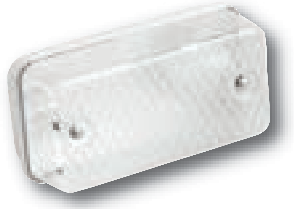
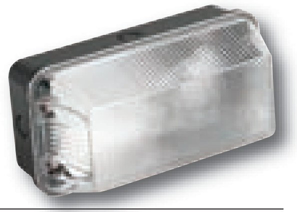
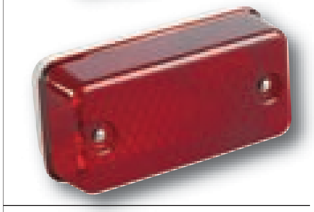
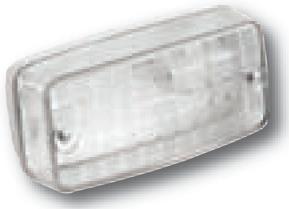
	Part No	Description	Dimensions
	LEDPOLYO	LED Rectangular Bulkhead Polycarbonate Base with Opal Diffuser Slim profile 5W IP65 Cool White 4,000K 300 lm 60 lm/W	H97 X W245 X D125mm
	LEDPOLYP	LED Rectangular Bulkhead Polycarbonate Base & Clear Diffuser 84 LEDs, 6W IP65 230V 50Hz Cool White 4,000K 70 lm/W	H128 X W244 X D125mm
	LEDPOLYPIR	LED Rectangular Bulkhead with PIR	

IP65 Bulkheads

- Choice of Aluminium or Polycarbonate Body
- Energy Saving
- Zero Maintenance
- Suitable for wall or ceiling mounting

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class 1 construction
F marked	Suitable for installation onto normal flammable surfaces
Conforms to	EN 60598-2-1

Part No	Description	Dimensions	
ENERGY1P	9W PL Energy Saving Bulkhead Clear Diffuser and Non-corrosive Aluminium Body 9W, 240V 50Hz Requires 2 pin PL lamps (not supplied)	H130 x W240 x D100mm	 GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving
ENERGY2P	2 x 9W PL Energy Saving Bulkhead 240V 50Hz Clear Diffuser and Non-corrosive Aluminium Body 9W, Requires 2 pin PL lamps (not supplied)		 GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving
POLY	100W B22 Bulkhead Anti-Vandal Polycarbonate Clear Diffuser and Non-corrosive Aluminium Body	H130 x W240 x D100mm	
POLYP	100W B22 Bulkhead Polycarbonate Clear Diffuser and Black Polycarbonate Body	H120 x W240 x D130mm	
POLYR	100W B22 Bulkhead Anti-Vandal Polycarbonate Red Diffuser and Non-corrosive Aluminium Body	H130 x W240 x D100mm	
BHEAD	100W B22 Bulkhead Clear Glass Diffuser and Non-corrosive Aluminium Body		

IP65 LED Wall Pack

- Ideal for external applications
- Robust polycarbonate construction

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class I
F marked	Suitable for installation onto flammable surfaces
Conforms to	EN 60598-2-5

	Part No	Description	Dimensions
	WALLPLED35	High output LED wall pack 35W 4,000K 2800 lm 80 lm/W Diecast base/polycarbonate front cover & diffuser Low maintenance	

IP65 Wall Pack

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Class	Class I
F marked	Suitable for installation onto flammable surfaces
Conforms to	EN 60598-2-5

	Part No	Description	Dimensions
	WALLP52PL **WALLP52PLPC**	2 x 26W Wall Pack - Lamps not supplied 2 x 26W Wall Pack + Photocell G24d-3 - Lamps not supplied	H300 x W250 x D190mm
	WALLP70SON **WALLP70SONPC**	70W Wall Pack 70W Wall Pack + Photocell Both require 70W SON El Lamp with internal ignitor - not supplied	

IP65 Rechargeable LED Floodlights

- Fully rechargeable - allows for cordless operation
- Portable - with carry handle
- High quality tough aluminium and steel body
- Gives 3 hours working time (minimum)
- Mains & car charger included
- Long life span 50,000 hours of light
- Adjustable beam

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Wall Charger	Input: 230V AC - 50/60Hz Output: 5V DC - 500mA
Car Charger	Input: 12-24V DC Output: 5V DC - 500mA
Charging Time	5 hours approx
Conforms to	EN 60950-1, EN 55015 & EN 61547

Mains & car charger included

Part No	Description	Dimensions	
LEDFLP10	8W, 75 lm/W 1 x 3.7V 3600mAh Lithium Battery (supplied)	145 x 167 x 240mm (Including base)	
LEDFLP20	16W, 74 lm/W 1 x 3.7V 5400mAh Lithium Battery (supplied)	215 x 185 x 285mm (including base)	

LACERTA RANGE

IP44 LED Floodlights

- Robust & durable polycarbonate body
- Lower energy alternative to Xenon
- Colour Temperature - 6500K

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Power Factor	0.9
Colour Temp	6500K
Conforms to	EN 60598-2-5 EN 60598-2-7 EN 60598-1

	Part No	Description	Dimensions
	LEDFL10E	10W - 750 lumens 75 lm/W	130 x 181 x 50mm
	LEDFL18E	18W - 1500 lumens 83 lm/W	170 x 227 x 67mm
	LEDFL27E	27W - 220 lumens 81.5 lm/W	170 x 227 x 67mm

IP44 LED Floodlights

- Complete with 120° PIR
- Robust & durable polycarbonate body
- Lower energy alternative to Xenon
- Colour Temperature - 6500K

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving

Technical Data	
Voltage	230V AC - 50Hz
IP Rating	IP44
Power Factor	0.9
Colour Temp	6500K
Detection Angle	120°
Detection Distance	8M
Duration Time	8 seconds - 12 minutes (adjustable)
Lux Control Level	From daylight to night (adjustable)
Conforms to	EN 60598-2-5 EN 60598-2-7 EN 60598-1

Part No	Description	Dimensions	
LEDFLPIR10E	10W with PIR - 750 lumens 75 lm/W	130 x 200 x 115mm	
LEDFLPIR18E	18W with PIR - 1500 lumens 83 lm/W	170 x 227 x 120mm	
LEDFLPIR27E	27W with PIR - 2200 lumens 81.5 lm/W	170 x 227 x 120mm	

IP65 LED Floodlights

- High quality aluminium body
- Lower energy alternative to Xenon
- Daylight 6000K
- Long life span 50,000 hours

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE
GREEN ENERGY
Energy Saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-1 EN 60598-2-5

	Part No	Description	Dimensions
LED Floodlights			
	LEDFL10	10W 70 lm/W	H135 x W105 x D89.6mm
	LEDFL20	20W 70 lm/W	
	LEDFL30	30W 70 lm/W	H225 x 185 x 130mm
	LEDFL50	50W 70 lm/W	H240 x W290 x D125mm
	LEDFL80	80W 70 lm/W	H395 x W285 x D120mm

IP65 LED Floodlights with PIR

- Complete with PIR
- High quality aluminium body
- Lower energy alternative to Xenon
- Daylight 6000K
- Long life span 50,000 hours

LED 3 Year Warranty

GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy saving

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Colour Temp	6000K
Detection Angle	120°
Detection Distance	8M
Duration Time	8 seconds - 12 minutes (adjustable)
Lux Control Level	From daylight to night (adjustable)
Conforms to	EN 60598-1 EN 60598-2-5

Part No	Description	Dimensions	
LED Floodlights with PIR			
LEDFLPIR10	10W 70 lm/W	H135 x W105 x D89.6mm	
LEDFLPIR20	20W 70 lm/W		
LEDFLPIR30	30W 70 lm/W	H225 x W185 x D130mm	
LEDFLPIR50	50W 70 lm/W	H280 x W290 x D170mm	

IP54 Sodium Floodlights

- With European gear and power factor correction
- Polycarbonate body
- Requires 70W SON ES Lamp with internal ignitor - not supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP54
Conforms to	EN 60598-2-5

	Part No	Description	Dimensions
	FSON7054	70W HPS Floodlight	H310 x W245 x D170mm
	FSON7054PC	70W HPS Floodlight with integral photocell for dusk - dawn switching	

IP65 Sodium / Metal Halide Floodlights

Made from diecast aluminium body, uses either sodium SON lamp or metal halide lamp (not supplied). These products are particularly suitable for floodlighting buildings and tennis courts etc.

- For Sodium Floodlights use SON-T lamps with external ignitor - not supplied
- For Metal Halide Floodlights use HQI-T lamps - not supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-2-5

	Part No	Description	Dimensions
		Sodium / Metal Halide Floodlight in Black	
	F150MBI/S55	150W	H300 x W410 x D145mm (not including bracket)
	F250MBI/S55	250W	
	F400MBI/S55	400W	

IP65 Metal Halide Floodlight

Attractively designed Metal Halide Floodlights with integral gear, mounting brackets and toughened glass fronts. Epoxy painted black aluminium diecast body with anodised aluminium reflector. These products are particularly suitable for security use, car parks, loading areas, building perimeters and precinct areas where long burning hours are required.

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP65
Conforms to	EN 60598-2-5

Part No	Description	Dimensions	
MHF70	Metal Halide Floodlight 70W	H350 x W230 x D90mm	
MHF150	150W Uses HQI double ended lamps - not supplied		

IP54 Tungsten Halogen Floodlights

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP54
Conforms to	EN 60598-2-5 EN60598-1

Part No	Description	Dimensions	
TEF1000	1000W Black Uses a 189mm Halogen lamp - lamp supplied	H220 x W273 x D130mm	
TEF1500	1500W Black Uses a 254mm Halogen lamp - lamp supplied	H250 x W340 x D175mm	

IP44 Tungsten Xenon Floodlights - with Security PIR

Energy saving floodlights using Xenon lamps, saving around 25% for the same light output, compared to the standard halogen lamp. These floodlight units are still compatible with halogen lamps, as the R7 socket and the dimensions of the lamp are the same.

- PIR sensor with adjustable time delay
- Built from diecast aluminium with an anti-corrosion finish and toughened glass fronts
- 8M max PIR sensing range
- Provide a bright natural white light
- Energy saving xenon lamps are supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Conforms to	EN 60598-2-5

	Part No	Description	Dimensions
120W Floodlight with PIR			
	TXPIR120	120W Floodlight with PIR Black Lamp supplied 21 lm/W	H170 x W138 x D78mm
	TXPIR120W	120W Floodlight With PIR White Lamp supplied 21 lm/W	H170 x W138 x D78mm
400W Floodlight with PIR			
	TXPIR400	400W Floodlight with PIR Black Lamp supplied 25 lm/W	H260 x W182 x D110mm
	TXPIR400W	400W Floodlight With PIR White Lamp supplied 25 lm/W	H260 x W182 x D110

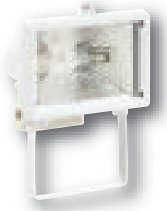
IP44 Tungsten Xenon Floodlights

Energy saving floodlights using Xenon lamps, saving around 25% for the same light output, compared to the standard halogen lamp. These floodlight units are still compatible with halogen lamps, as the R7 socket and the dimensions of the lamp are the same. These floodlights are available in black or white and are also available with a PIR security sensor.

- Built from diecast aluminium with an anti-corrosion finish and toughened glass fronts
- Provide a bright natural white light
- Energy saving Xenon lamps are supplied

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Conforms to	EN 60598-2-5

Part No	Description	Dimensions	
120W Floodlight			
TXF120	120W Floodlight Black Lamp supplied 21 lm/W	H120 x W138 x D78mm	
TXF120W	120W Floodlight White Lamp supplied 21 lm/W		
400W Floodlight			
TXF400	400W Floodlight Black Lamp supplied 25 lm/W	W175 x W182 x D110mm	
TXF400W	400W Floodlight White Lamp supplied 25 lm/W		

IP44 Porch Lanterns

Our new range of 6 sided Porch Lanterns available with and without PIR.

- Complete with PIR (only PL6PIRB / PL6PIRW)
- Manual override on PIR versions
- Rust proof rugged polycarbonate
- Attractive traditional design
- Suitable for Halogen 42W or CFL 14W lamps
- Max lamp 42 Watts (not included)

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Conforms to	BS EN 60598-2-1

	Part No	Description	Product Information
Porch Lanterns with PIR			
	PL6PIRB	Porch Lantern with PIR (42W Halogen or 14W CFL)	6 sided PIR - Black Time Delay - 5 secs to 6 min (+/- 2 min) Ambient light - <10 Lux ~ 2000 Lux Detection Dist - Max. 8+/-2m Detection Range - 140° Installation Height - 0.5 - 3.5M Power consumption - 0.45W (Static 0.1W) Detection Motion Speed - 0.6 - 1.5m/s
	PL6PIRW	Porch Lantern with PIR (42W Halogen or 14W CFL)	6 sided PIR - White Time Delay - 5 secs to 6 min (+/- 2 min) Ambient light - <10 Lux ~ 2000 Lux Detection Dist - Max. 8+/-2m Detection Range - 140° Installation Height - 0.5 - 3.5M Power consumption - 0.45W (Static 0.1W) Detection Motion Speed - 0.6 - 1.5m/s
Porch Lanterns			
	PL6B	Porch Lantern (42W Halogen or 14W CFL)	6 sided Black
	PL6W	Porch Lantern (42W Halogen or 14W CFL)	6 sided White

IP44 LED Half Wall Lanterns

Our new range of 3 sided LED low energy Half Wall Lanterns available in black and white.

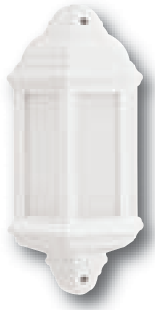
LED 3 Year Warranty

GREEN ENERGY

- Complete with PIR (only PLLED3PIRB / PLLED3PIRW)
- Low Energy versions
- Rust proof rugged polycarbonate
- Attractive traditional design
- Long life span - 30,000 hours

Technical Data

IP Rating	IP44
Conforms to	BS EN 60598-2-1

Part No	Description	Product Information	
LED Wall Lanterns with PIR			
PLLED3PIRB	LED Half Wall Lantern - with PIR	3 sided PIR - Black 7W Time Delay 30-40 seconds Detection Distance - Max 8m Detection Range 120° 27.5 lm/W	
PLLED3PIRW	LED Half Wall Lantern - with PIR	3 sided PIR - White 7W Time Delay 30-40 seconds Detection Distance - Max 8m Detection Range 120° 27.5 lm/W	
LED Wall Lanterns			
PLLED3B	LED Half Wall Lantern	3 sided - Black 7W Colour Temp - 3000K 33 lm/W H325 x W160 x D100mm	
PLLED3W	LED Half Wall Lantern	3 sided - White 7W Colour Temp - 3000K 33 lm/W H325 x W160 x D100mm	

IP44 Half Wall Lanterns

Our new range of 3 sided Wall Lanterns available with and without PIR, available in black and white.

- Complete with PIR (only PL3PIRB / PL3PIRW)
- Manual override on PIR versions
- Rust proof rugged polycarbonate
- Attractive traditional design
- Suitable for Halogen 42W or CFL 14W lamps
- 240V AC 50Hz
- Max lamp 42 watts (not supplied)

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS EN 60598-2-1

	Part No	Description	Product Information
Wall Lanterns with PIR			
	PL3PIRB	Half Wall Lantern with PIR (42W Halogen or 14W CFL)	3 sided - Black Time Delay - 30 - 40 seconds Ambient light - <10 Lux Detection Dist - Max. 8+/-2m Detection Range - 140° Installation Height - 0.5 - 3.5M Power Consumption - 0.45W (Static 0.1W) Detection Motion Speed - 0.6 - 1.5m/s
	PL3PIRW	Half Wall Lantern with PIR (42W Halogen or 14W CFL)	3 sided - White Time Delay - 30 - 40 seconds Ambient light - <10 Lux Detection Dist - Max. 8+/-2m Detection Range - 140° Installation Height - 0.5 - 3.5M Power Consumption - 0.45W (Static 0.1W) Detection Motion Speed - 0.6 - 1.5m/s
Wall Lantern without PIR			
	PL3B	Half Wall Lantern (42W Halogen or 14W CFL)	3 sided - Black
	PL3W	Half Wall Lantern (42W Halogen or 14W CFL)	3 sided - White

IP44 Garden Spike/Wall Lights

Great addition to the KingShield exterior lighting range, these new spike/wall lights are all fully adjustable, linkable and available in ground and wall mounted with twin and single heads.

- Fully adjustable & linkable
- Linkable lighting
- Quick and easy to install
- Perfect for lighting up a garden feature, tree or shrub

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP44
Lamp Type	E27 (ES) PAR38 lamp (not supplied)
Conforms to	BS EN 60598-2-1

Part No	Description	Product Information	
GSS	Garden Spike Light Single 80W	Black	
GST	Garden Spike Light Twin 80W	Black	
GWS	Garden Wall Light Single 80W	Black Surface mount	
GWT	Garden Wall Light Twin 80W	Black Surface mount	

Portable Xenon Floodlights

The KingShield portable Xenon floodlights are supplied with a stand and a wire guard over the diffuser so you are equipped for every lighting need with one of these units. Available in 230V or 110V.

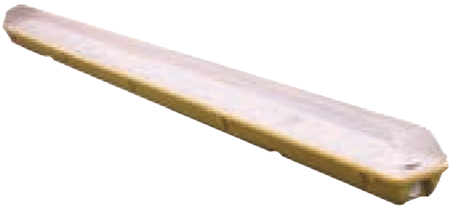
- Diecast aluminium body
- Wire guard to protect diffuser
- Lamps are supplied with these fittings

Technical Data

Conforms to	EN 60598-2-5

	Part No	Description	Colour
	TXP120	120W, 230V Xenon Floodlight - Switched with stand, 2M cable & 13A plug IP44 Rated	Black
	TXP400	400W, 230V Xenon Floodlight - Switched with stand, 2M cable & 13A plug IP44 Rated	
	TXP400Y	400W, 110V Xenon Floodlight with stand, 2M cable & 16A plug IP54 Rated	Yellow
	TXT400Y	400W, 110V Tripod Mounted Single Head Xenon Floodlight 2.1M Stand IP54 Rated	

IP65 HF Anti-Corrosive Fluorescent Luminaires

	Part No	Description	Colour
	**ACPHFLV158**	58W Single Lamp - (not supplied) 10 clips 110V, 1580mm	Yellow
	ACPHFLV158EM	Emergency Version	
	ACPHFLV258	58W Twin Lamp - (not supplied) 10 clips 110V, 1580mm	

Please see Technical Section (p271) for technical drawings.

EMERGENCY LIGHTING

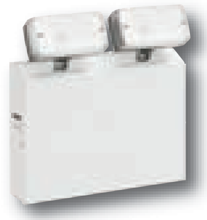
Twin Spot Lighting

Powerful Twin Spot Non-Maintained fittings for defined escape routes in interior (ELTSNM) and exterior (ELTSLED65NM) applications. Ideal for use in warehouses, factories, long corridors and high bay industrial applications.

- Adjustable heads
- Individual LED lamp health indicators
- Emergency operation duration 3 hours
- Fused mains terminal

Technical Data

Voltage	230V AC - 50Hz
Conforms to	BS EN 60598-1:2004 & A1:2006 BS EN 60598-2-22:1999

	Part No	Description	Dimensions
LED 3 Year Warranty	**ELTSLED65NM**	Twin Spot LED Light Fitting Non-Maintained 4.7W Total Supplied with 3.6V/6Ah Ni-Cd Battery Polycarbonate body & white finish 93.8 lm/W IP65 Rated	H290 x W300 x D70mm
LED 3 Year Warranty	**ELTSLED20NM**	LED low power consumption Twin Spot Non-Maintained 3.2W Total Supplied with 1 x 3.6V 4.5Ah Ni Cd Battery 130 lm/W IP20 Rated	H308.5 x W280 x D55.5
	**ELTSNM**	Twin Spot Light Fitting Non-Maintained Supplied with 2 x 20W Halogen 12V B15 lamps Supplied with 2 x 12V 7Ah batteries Steel body & white finish IP20 Rated	H306 x W305 x D70mm
	ELBTS	Battery replacement for ELTSNM 12V x 7Ah	H94 x W148 x D64mm

LED Downlight

The LED Emergency Downlight will light up for at least 3 hours in case of a power failure and comes complete with a prewired LED, control unit and battery.

LED 3 Year Warranty

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
F marked	Suitable for installation onto normal flammable surfaces

	Part No	Description	Dimensions
	ELDLLEDNM	LED Emergency Downlight Non-Maintained LED Lamp (non-replaceable) 3W Satin Chrome 45 lm/W	Cut-out Ø 60mm

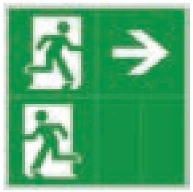
Bulkhead Style Lighting

Cost effective emergency luminaires for interior and exterior applications. Available in Non-Maintained and Maintained versions. Each luminaire is constructed from impact resistant high gloss polycarbonate and can be wall or ceiling mounted.

- Hinged gear tray
- Supplied with 1 x 8W G5 T5 Tube and 2 x D cell battery pack (ELBHM & ELBHNM)
- Emergency operation duration 3 hours
- Fused mains terminal
- Facility for remote switching (ELBHLED & ELBHLEDE)
- Polycarbonate body & white finish

Technical Data

Voltage	230V AC - 50Hz
Ambient Temp	0 - 25°C
Conforms to	BS EN 60598-1:2004 & A1:2006, BS EN 60598-2-22:1999

Part No	Description	Dimensions	
Bulkhead Units			
ELBHLED	Low Energy LED Bulkhead Unit Maintained/Non-Maintained 10 LED strip (1.5W) Colour Temperature 9200K 50 lm/W IP65 Rated	H72mm x W115 x L345	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving LED 3 Year Warranty
ELBHLEDE	Low Energy LED Bulkhead Unit Maintained/Non-Maintained 27 LED strip (1.4W) Colour Temperature 6500K 89 lm/W IP44 Rated	H57mm x W111 x L355	GREEN BY NAME GREEN BY NATURE GREEN ENERGY Energy Saving LED 3 Year Warranty
ELBHM	8W Bulkhead Unit (Includes ELLBH Legend) Maintained IP65 Rated	H76mm x W117 x L352	
ELBHNM	8W Bulkhead Unit (Includes ELLBH Legends - pack of 4) Non-Maintained IP65 Rated	H76mm x W117 x L352	
Bulkhead Unit Accessories			
ELB	Battery replacement pack for Bulkhead Light 2.4V x 4.5Ah	-	
ELLBHN	Legends - Pack of 4 for ELBH M/NM Fitting	-	

IP20 Exit Signs

A range of shallow profile, emergency luminaires for interior applications. Suitable for Non-Maintained and Maintained usage.

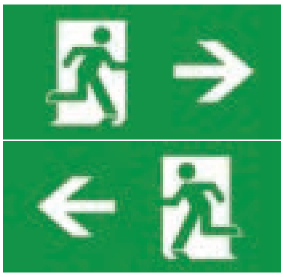
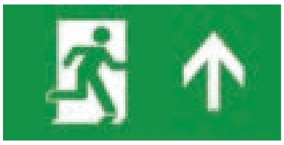
- Emergency operation duration 3 hours
- Supplied with down legend
- Facility for remote switching
- Dual fused mains terminal & switched

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Conforms to	BS EN 60598-1:2004 & A1:2006 BS EN 60598-2-22:1999

ELEXLED

- *Comes complete with 3 legends*
- *Lightweight*
- *High brightness*
- *Easy installation*
- *Long life span*
- *Low energy*
- *Attractive design*

	Part No	Description	Dimensions
Exit Light			
LED 3 Year Warranty	**ELEXLED**	1.3W Exit Light Maintained/Non-Maintained 3 x AA cell battery pack Polycarbonate body & white finish Ambient Temp 0 - 40°C Supplied with 3 legends Surface Brightness 200 cd/m^2 34 lm/W	H195 x W394 x D28mm
	ELEXS	8W Exit Light Maintained/Non-Maintained Supplied with 1 x 8W G5 T5 Tube & 2 x D cell battery pack Steel body & white finish Ambient Temp 0 - 25°C Interchangeable Legends	H190 x W390 x D60mm
Exit Light Accessories			
	**ELLEXN**	Reversible Legend - Left/Right Reversible for ELEXS Fitting	H384 x W185 x D1.9mm
	**ELLEXUPN**	Legend - Running Man Up Arrow for ELEXS Fitting	H384 x W185 x D1.9mm

IP20 Hanging LED Exit Sign

A superb metal hanging exit luminaire suitable for interior applications.

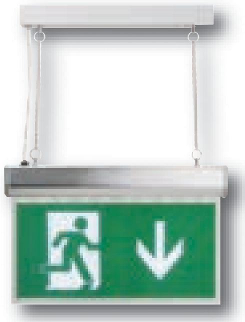
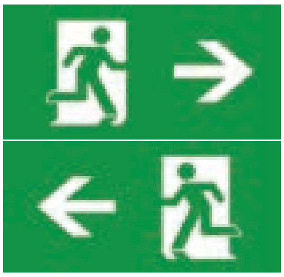
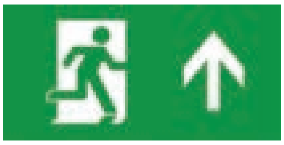
- Emergency operation duration 3 hours
- LED status indicators
- Ceiling mounted only
- Supplied with battery pack and down legend
- Fused mains terminal
- Aluminium body with double sided, edge lit, acrylic blade

LED 3 Year Warranty

GREEN ENERGY

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Ambient Temp	0 - 25^0C
Conforms to	BS EN 60598-1:2004 & A1:2006 BS EN 60598-2-22:1999

Part No	Description	Dimensions	
Hanging Exit Sign			
ELHLEDM	1.5W Hanging Exit Sign Maintained Interchangeable Legends	H242 x W378 x D28mm Legend only: H184 x W378 x D6mm Overall hanging length: 545mm	
Hanging Exit Sign Accessories			
ELBLED	Battery replacement for Hanging LED Light 3.6V, 0.6Ah	-	
ELLHLEDN	Legends - Left/Right Reversible for Hanging LED Light ELHLEDM	-	
ELLHLEDUPN	Legend - Running Man Up Arrow for ELHLEDM Fitting	-	

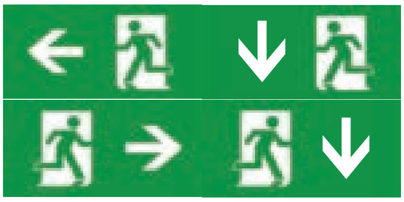
IP20 Recessed Lights

A superb range of recessed luminaires for interior applications. Available in Non-Maintained and Maintained versions. These light fittings can be installed as wall or ceiling lights. In ceiling mounted, simply apply the drop down diffuser (ELRDIFF) and legend (ELLRL), to gain a fully operative exit sign.

- Battery life is greater than 3 hrs in emergency mode
- Polycarbonate prismatic diffuser
- Fused mains terminal
- Steel body & white finish

Technical Data

Voltage	230V AC - 50Hz
IP Rating	IP20
Supplied with	1 x 8W G5 T5 Tube and 2 x D cell battery pack
Conforms to	BS EN 60598-1:2004 & A1:2006, BS EN 60598-2-22:1999

	Part No	Description	Dimensions
Recessed Lights			
	ELRLM	8W Recessed Light Ambient Temp 0 - 25°C Maintained	H137 x W409 x D92
	ELRLNM	8W Recessed Light Ambient Temp 0 - 25°C Non-Maintained	
Recessed Light Accessories			
	ELB	Battery replacement pack for Recessed Light 2.4V x 4.5A	-
	**ELLRLN**	Legends - Pack of 4 for ELRLM/ELRLNM Fitting & Diffuser ELRDIFF	-
	ELRDIFF	Drop Down Diffuser for Recessed Light	-

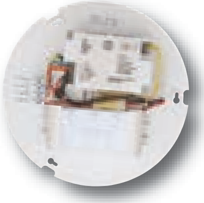
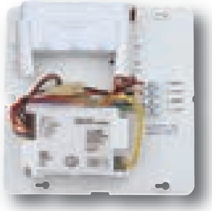
CFL Emergency Gear Trays

Improve your stock efficiently by converting our standard 2D and CFL Bulkhead ranges to an Emergency Bulkhead with the addition of the Emergency Gear Tray, by simply replacing the HF ballast tray with the Emergency Trays.

- Maintained/Non-Maintained 3 hour operation
- High frequency ballast
- Pre-wired ballast and battery pack
- Terminal block
- Green recharge indicator
- Three keyhole slot fixing

Technical Data

Requires	28 watt 4 pin 2D lamp (not supplied)

Part No	Description	Diffuser	Dimensions	
CFLTRAYR	28W Emergency Gear Tray for CFL28 round fittings & 2DR fittings	For CFL & 2DR28 Bulkheads	ø 270mm, D35mm	
CFLTRAYS	28W Emergency Gear Tray for 2DS28 square fittings & 2DR fittings	For 2DS28 square fittings	H225 x W225 x D30mm	

Use with our 2D and CFL round and square Bulkheads.
See our full range in our
Exterior Lighting section.
Pages 132 - 137

ToolShield is the brand from GreenBrook Electrical offering tools and labour saving site equipment.

You will find Safety tested VDE hand-held tools, crimping tools and wire strippers alongside larger tools like the conduit pipe bender and electricians ladders.

In addition to these products, GreenBrook are delighted to offer the Super Rod range under the ToolShield brand.

The Super Rod kits are designed to meet the needs of tradesmen with the installation of cable, reducing time and increasing productivity. Alongside the cable rods are accessories such as the Cable Zilla, Cavity Master and Super Cams to help assist with any job.

ToolShield Section Offers: -

- *Hand Tools*
- *Ladders*
- *Super Rod*
- *ProFit*

Hand Tool Range

Ladders

Super Rod

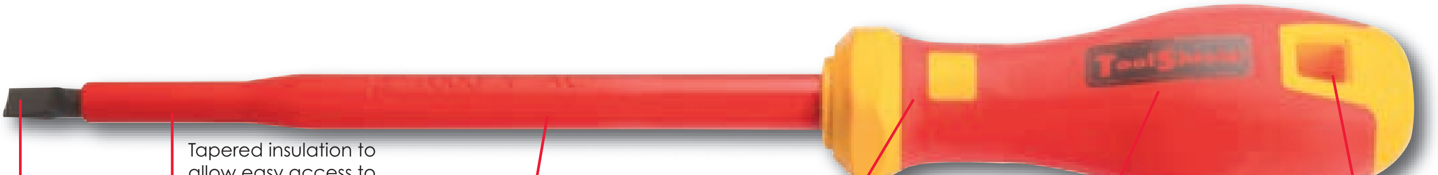
ProFit

TOOLS RANGE

Every tool is individually tested in a water bath at 10,000 Volts according to DIN EN 60900, IEC 900 norms.

1000 V
EN 60900

The VDE Institute in Germany is accredited on an international level for testing and certification of electrotechnical equipment. ToolShield products with the VDE GS logo have been tested and certified for working on live voltages. Tools which are not certified by VDE carry a high risk while working on electricity.



Tapered insulation to allow easy access to recessed screws

Precision machined, ultimate fit non-peel black finish tip

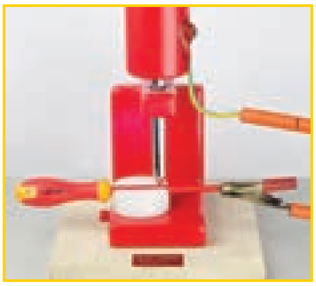
Dielectric tested blade insulation directly moulded onto the blade thus safeguarding against electricity

Refined ergonomic design and premium quality plastic materials for a comfortable grip

2K Handle technology for high torque transmission with less stress

All handles include hanging holes for organising in workshops and POS display stands

FLAMMABILITY TEST


PRESSURE TEST

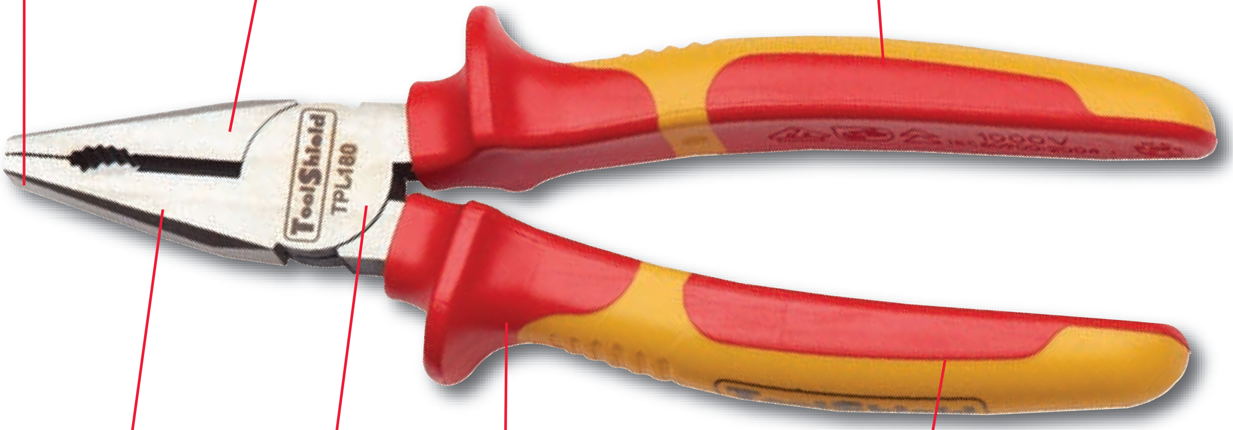
INSULATION ADHESION TEST

ELECTRICAL TEST

Hot drop forged, hardened and tempered quality tool steel

Polished finish (electrofilmed)

Dielectric tested insulation safeguarding against electricity



Additionally induction hardened, precision milled cutting edges

Flow action steel riveted joints

Anti-slip guards

2K Handle technology for high power transmission with less stress

FLAMMABILITY TEST

COLD IMPACT RESISTANCE TEST

PRESSURE TEST

INSULATION ADHESION TEST

ELECTRICAL TEST

Screwdrivers

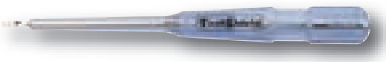
GreenBrook are pleased to introduce their NEW Hand Tool range. With safety and comfort being paramount when working with electrically live equipment, it is a must to have properly insulated tools that you and your customers can really rely on. All Tools conform to VDE 1000V testing.

- VDE Approved 1000V
- Ergonomic soft grip handles
- New handle technology for high torque transmission with less stress
- 5 year Guarantee

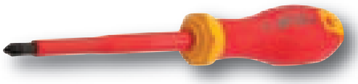
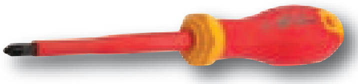
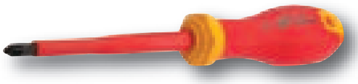
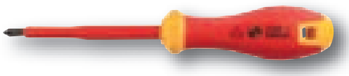
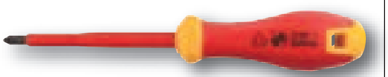
Technical Data

Conforms to	Individually tested as per DIN EN 60900:2004 norm

TPLSCKIT7-12 - Complete with Free POS Display

Part No	Description	Size	Pk Qty	
TSDKIT67	**67 Piece Screwdriver Display (Includes Screwdrivers & Stand)** Slot, Pozi & Philips as below: - **Slot** TSDSL25 x 5, TSDSL30 x 7, TSDSL40 x 6, TSDSL55 x 12, TSDSL65 x 6 **Pozi** TSDPZ0 x 7, TSDPZ1 x 6, TSDPZ2 x 6 **Philips** TSDPH1 x 6, TSDPH2 x 6	-	1	
TSDKIT7	**7 Piece Screwdriver Kit** Includes Slot, Slot Neon, Pozi: - **Slot** TSDSL30, TSDSL40, TSDSL55, TSDSL65 **Slot Neon** TSDNEON2 **Pozi** TSDPZ1, TSDPZ2	-	1	
TSDKIT7-12	**12 x TSDKIT7 complete with free POS Display shown above**		1	
TSDSL25	Screwdriver - Slot	2.5mm	1	
TSDSL30	Screwdriver - Slot	3mm	1	
TSDSL40	Screwdriver - Slot	4mm	1	
TSDSL55	Screwdriver - Slot	5.5mm	1	
TSDSL65	Screwdriver - Slot	6.5mm	1	
TSDNEON2	Screwdriver -Neon	3.5mm	12	

Screwdrivers

	Part No	Description	Size	Pk Qty
	**TSDPZ0**	Screwdriver - Pozi	0	1
	**TSDPZ1**	Screwdriver - Pozi	1	
	**TSDPZ2**	Screwdriver - Pozi	2	
	**TSDPH1**	Screwdriver - Phillips	1	
	**TSDPH2**	Screwdriver - Phillips	2	

VDE 1000V SCREWDRIVERS
ToolShield

TSDKIT67 -
67 Piece Screwdriver Display
(Includes Screwdrivers & Stand)

ToolShield

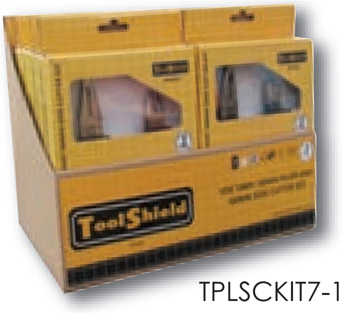
TSDKIT7-12 - Complete
with Free POS Display

Combination Plier & Side Cutter Kit

- VDE Approved 1000V
- Ergonomic soft grip handles
- Combination Pliers & Side Cutters forged in Germany
- 5 year Guarantee

Technical Data

Conforms to Individually tested as per DIN EN 60900:2004 norm



TPLSCKIT7-12 - Complete with Free POS Display

Part No	Description	Size	Pk Qty	
TPLSCKIT	**Combination Plier & Side Cutter Kit Includes: -** Combination Plier TPL180 x 1 & Side Cutter TSC160 x 1	180/160mm	1	
TPLSCKIT-12	**12 boxes of the above TPLSCKIT complete with free POS Display shown above**			
TPL180	Combination Plier	180mm		
TPLLN160	Long Nose Plier	160mm		
TSC160	Side Cutters	160mm		

1000 V
EN 60900

The VDE Institute in Germany is accredited on an international level for testing and certification of electrotechnical equipment. ToolShield products with the VDE GS logo have been tested and certified for working on live voltages. Tools which are not certified by VDE carry a high risk while working on electricity.

Non-Contact AC Voltage Detector

The volt detector is used for identifying live conductors, finding a break in wire and detecting the presence of AC voltage at, outlets, switches, circuit breakers, fuses, wires and cables.

- Red LED light and audible beeper indicator when voltage present
- Built in torch with ON/OFF button
- Locates breaks in cable
- Identifies voltage carrying cables in junction boxes
- Rugged, durable, double moulded case
- Convenient size with pocket clip
- Includes 2 x 'AAA' (1.5V)
- Cat III 1000V (EN61010-1)

	Part No	Description	Product Information
	TSVS	Non-Contact AC Voltage Detector	Size: 176mm x 26mm Voltage Range: 100-1000VAC (50/60Hz)

Electrical Voltage Tester

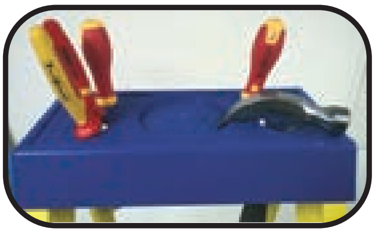
- IP64
- Clear LED Indication
- AC/DC Voltage detector
- Flashlight
- Low Impedance test
- Self-test button
- Two 'AAA' batteries included
- Cat III 1000V (EN61010-1), Cat IV 600V (EN61010-1)

	Part No	Description	Product Information
	TSMT2	Electrical Voltage Tester	Fully automatic on/off Integrated LED display Indicates up to 690V AC/DC Durable IP64 rated housing Visual & audible phase & continuity indication Integrated torch for illumination of probe tips in poor lighting conditions

Fibreglass Ladders

GreenBrook are pleased to introduce a versatile and durable range of ladders in fibreglass. 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
- Voltage tested to BS-EN 131 (1000V)
- Conforms to EN-131-1-2-3 (For commercial use 150KG)

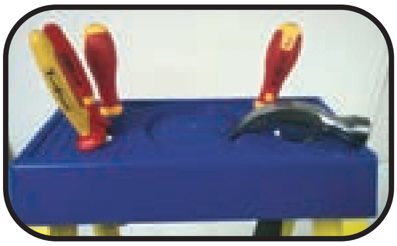


Part No	Description	Product Information	
LADF3	3 STEP Fibreglass	4.80kg H760 x W450 x D660 (open Height & Depth)	
LADF4	4 STEP Fibreglass	5.80kg H1040 x W480 x D850 (open Height & Depth)	
LADF5	5 STEP Fibreglass	7.20kg H1320 x W520 x D1050 (open Height & Depth)	
LADF6	6 STEP Fibreglass	8.15kg H1600 x W550 x D1250 (open Height & Depth)	
LADF7	7 STEP Fibreglass	9.85kg H1880 x W590 x D1440 (open Height & Depth)	
LADF8	8 STEP Fibreglass	11.00kg H2160 x W630 x D1640 (open Height & Depth)	
LADF9	9 STEP Fibreglass	13.00kg H2430 x W660 x D1830 (open Height & Depth)	
LADF10	10 STEP Fibreglass	14.10kg H2710 x W700 x D2040 (open Height & Depth)	

Fibreglass Ladders with Platform

In addition to the swingback ladders, ToolShield also offer a platform ladder.

- 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
- Voltage tested to BS-EN 131 (1000V)
- Conforms to EN-131-1-2-3 (For commercial use 150KG)



	Part No	Description	Product Information
	LADPF3	Platform 3 STEP Fibreglass	6.90kg H1440 x W515 x D852 (open Height & Depth)
	LADPF4	Platform 4 STEP Fibreglass	8.85kg H1710 x W555 x D1045 (open Height & Depth)
	LADPF5	Platform 5 STEP Fibreglass	10.50kg H1995 x W592 x D1240 (open Height & Depth)
	LADPF6	Platform 6 STEP Fibreglass	12.25kg H2275 x W630 x D1438 (open Height & Depth)
	LADPF7	Platform 7 STEP Fibreglass	14.00kg H2553 x W668 x D1632 (open Height & Depth)

Fibreglass Ladders with Platform

	Part No	Description	Product Information
7 Step Platform Ladder shown.	**LADPF8**	Platform 8 STEP Fibreglass	15.30kg H2830 x W706 x D1827 (open Height & Depth)
	LADPF9	Platform 9 STEP Fibreglass	16.75kg H3110 x W745 x D2022 (open Height & Depth)
	LADPF10	Platform 10 STEP Fibreglass	18.10kg H3387 x W782 x D2217 (open Height & Depth)

Fibreglass Ladder Packs

The Ladder Pack from GreenBrook comprises of 3 sizes of ladders (4 STEP, 6 STEP and 8 STEP).

Part No	Description	Pk Qty	
LADPACK	**Pack Includes -** LADF4 - 4 STEP LADF6 - 6 STEP LADF8 - 8 STEP	1	

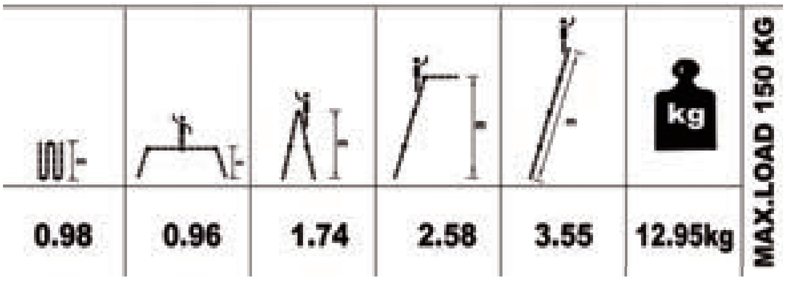
Safely store your tools at working height

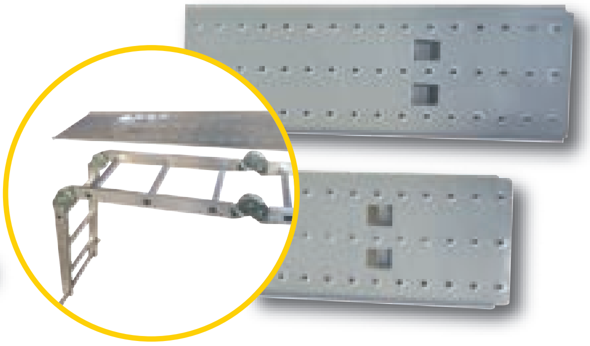
Multi Position Ladder

- Aluminium ladder that can be manipulated into different positions using lockable hinges

Conforms to EN-131 (Applies only to LADM3)

Part No	Description	Pk Qty	Dimensions
LADM3	Multi Position Ladder	1	See table below
LADPLAT	x 2 Metal Platforms for use with LADM3 when in platform position	1	300 x 1495mm

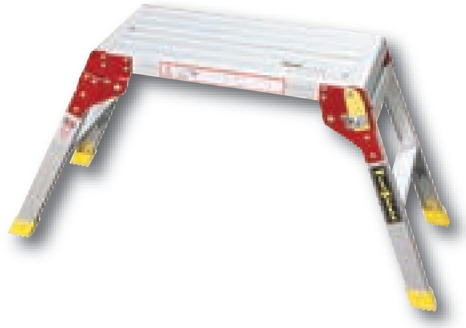




For safety purposes these adjoining metal platforms must be used when the ladder is in the platform position

Aluminium Work Platform

- Aluminium work platform - a small step up for odd jobs
- Lightweight and strong
- Durable, tough material
- Easy to store and transport
- Non slip platform and gripping feet for greater safety

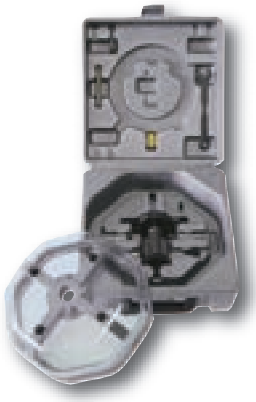
Part No	Description	Pk Qty	
LADP	1 Platform 4.65kg Height 480mm Depth 390mm Length 965mm	1	

Ladder Clamp

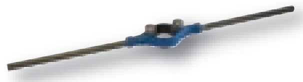
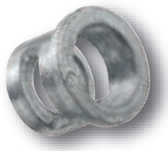
The ToolShield ladder clamp set is a safe and easy way of securing ladders to vehicle roof racks.
- Frees up valuable interior space, secures/locks ladders safely preventing theft risks.
The LADCLAMP is suitable for use with the full 'ToolShield' ladder range.

Part No	Description	PK Qty	
LADCLAMP	Ladder Clamp Set Padlocks supplied for security	1	

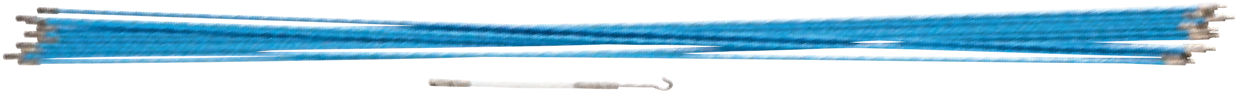
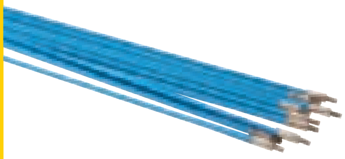
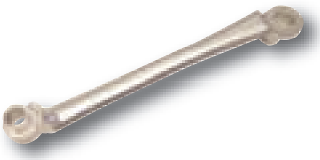
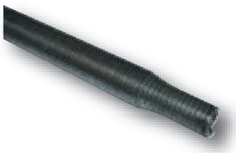
Hole Saws / Hole Cutter

	Part No	Description	Product Information	Pk Qty
	ARB0 **ARB1** **ARB2** **PD14**	Arbors	6mm round shaft - for 14-30mm 11mm Hex shaft - for 14-30mm 18mm Hex shaft - for 32-152mm Pilot Drill	1
	H20 **H25** **H32** **H38** **H41** **H51** **H60** **H64** **H67** **H76** **H79** **H83** **H102**	Hole Saws 30mm depth of cut	20mm 25mm 32mm 38mm 41mm 51mm 60mm 64mm 67mm 76mm 79mm 83mm 102mm	
	**HS01** **HS02**	Adjustable Hole Cutter	Diameter - 30 - 163mm 30 - 260mm	
	HSBW **HSBL** **HSBM**	Blades	HS01 wood, plaster board HS02 wood, plaster board For metal HS01 & HS02	
	HB24 **HB32**	Hacksaw Blades for High Speed Steel 1/2" x 12"	24TPI (Teeth per inch) 32TPI (Teeth per inch)	10

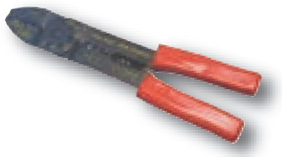
Stocks, Dies & Guides

Part No	Description	Product Information	Pk Qty	
BST **DST**	Stock holders only	-	1	
BSET **DSET32**	20 & 25mm Die, Guide & Stock 32mm Die, Guide & Stock			
20D **25D** **32D**	B Type Die 20mm B Type Die 25mm D Type Die 32mm			
20G **25G** **32G**	B Type Guide 20mm B Type Guide 25mm D Type Guide 32mm			
TW0	Tap Wrench Adjustable 1/16" - 1/4"			
35HT **4HT** **6HT** **20HT** **25HT**	Hand Tap Carbon Steel	3.5mm 4.0mm 6.0mm 20mm 25mm	3 3 1 1 1	

Hand Tools

	Part No	Description	Length
			
	**DR10**	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) (Pictured above)	-
	**BUSH**	Bush 20/25mm Spanner	
	BRS	Immersion Heater Box Ring Spanner	
	10NDT **20NDT** **30NDT**	Draw-In Tapes, Nylon, 3mm	10M 20M 30M
	10SDT **20SDT** **30SDT**	Draw-In Tapes, Steel, 3mm	
	20BSH **25BSH**	Bending Springs Heavy gauge (Colour code Green)	20mm 25mm
	**20BSL** **25BSL**	Bending Springs Light gauge (Colour code Red)	

Hand Tools

Part No	Description	Product Information	
HCT1	Simple Service Crimping Tool	Wire cutter, stripper & bolt cutter	
HCT10	Automatic Wire Strippers	Can cut & strip small cables. Crimp small terminals and cable sockets	
HCT15	Ratchet Crimping Tool	Cable size Red: 0.5 - 1.5mm Blue: 1.5 - 2.5mm Yellow: 4.0 - 6.0mm For insulated crimp terminals	
HCT16		For non-insulated cable lugs 1.5 - 16mm	

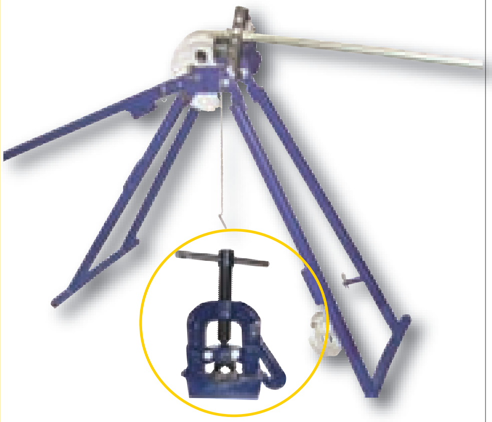
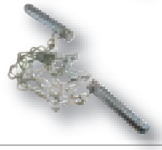
Blade Runner

The Blade Runner is a lightweight, pocket sized cutting product that gives a straight cut with no ragged edges. This product effortlessly prepares up to 28mm SWA cable and is supplied with a spare blade.

Part No	Description	Product Information	
WSBR28	Blade Runner	Cable Cutter up to Ø 28mm	
WSBRR03	Spare Blades	Pack of three	

Conduit Pipe Bender

- Suitable for bending 20 - 25mm steel conduit
- Supplied with a pipe vice

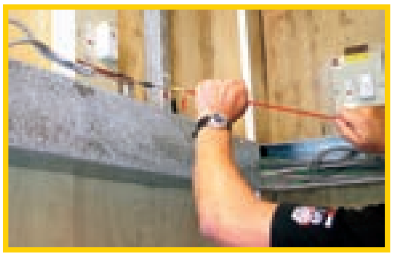
	Part No	Description	Pk Qty
	**GCPBN**	Conduit Pipe Bender Bends steel pipe 20 - 25mm Dia.	1
	GCPB20FA **GCPB25FA**	Spare Former 20mm Spare Former 25mm	
	GCPBVICE	Spare Pipe Vice	
	GCPBROLL	Spare Grooved Roller	
	GCPBSTOP	Spare Stop Fitting	
	GCPBCPIN	Spare Centre Pin	
	**GCPBLPIN**	Spare Lock Pin	
	GCPBSPRING	Spare Spring Pin Clip	

Rod Kits Summary Table

	Mega Set	Deluxe Set	Super Six Set	Standard Set	Handy Set	Toolbox Set	Polymer Set 4	Polymer Set 8	Polymer Set 12
5mm Red Adoxim 1m Rod	6	6	3	4					
5mm Red Adoxim 0.5m Rod					2				
5mm Red Adoxim 330mm Rod						2	1	2	5
4mm Yellow Adoxim 1m Rod	3	2	2	1					
4mm Yellow Adoxim 0.5m Rod					1				
4mm Yellow Adoxim 330mm Rod						1			
6mm Black Adoxim 1m Rod	3	2	1						
6mm Black Adoxim 0.5m Rod					1				
6mm Black Adoxim 330mm Rod						1	1	2	4
5mm Glow Plastic 330mm Rod							1	2	2
5mm Plastic Flat Red 330mm Rod							1	2	1
5mm Nylon 1m Rod	✓								
5mm Nylon 330mm 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							✓	✓	✓
Mini Eye & Ring	✓	✓	✓	✓	✓	✓			
Gender Changer	✓	✓	✓	✓					
Domed Bullet	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flat Bullet	✓	✓	✓						
Tuff Hook	✓	✓	✓	✓					
Mini Hook					✓	✓	✓	✓	✓
Glow Claw							✓	✓	✓
Domed Eye							✓	✓	✓
Tough Carry Tube	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 x Super Grips	✓								

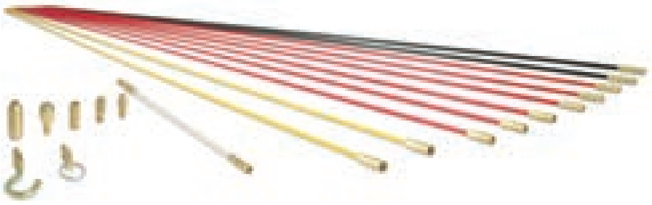
SUPER ROD Rod Kits

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.



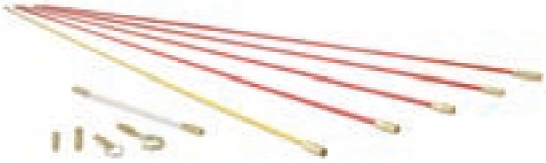
Part No	Description	Product Information
CRSD	Deluxe Set	6 x 5mm Red Adoxim 1M Rods 2 x 4mm Yellow Adoxim 1M Rods 2 x 6mm Black Adoxim 1M Rods Flexi Lead Super Magnet Super Beam Mini Eye & Ring Gender Changer Domed Bullet Flat Bullet Tuff hook Tough Carry Tube

Rod Kits

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

Part No	Description	Product Information
CRS6	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 starter set.



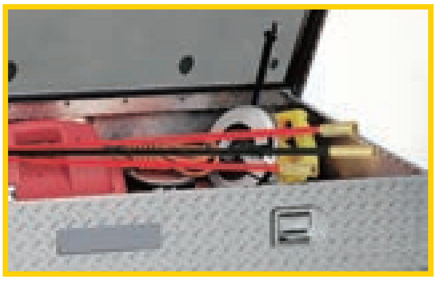
Part No	Description	Product Information
CRSS	Standard Set	4 x 5mm Red Adoxim 1M Rods 1 x 4mm Yellow Adoxim 1M Rod Tuff Hook Gender Changer Domed Bullet Mini Eye & Ring Flexi Lead Tough Carry Tube

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

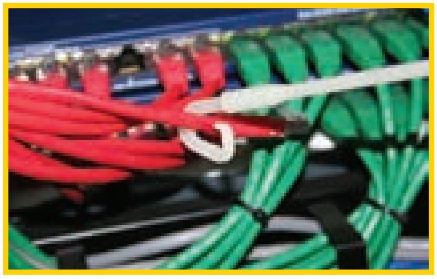
Part No	Description	Product Information
CRHS	Handy Set	2 x 5 Red Adoxim 0.5M Rods 1 x 4mm Yellow Adoxim 0.5M Rod 1 x 6mm Black Adoxim 0.5M Rod 1 x 5mm Nylon 330mm Rod Mini Hook Domed Bullet Mini Eye & Ring Tough Carry Tube

Rod Kits

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



Part No	Description	Product Information
CRTB	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

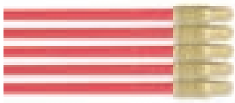
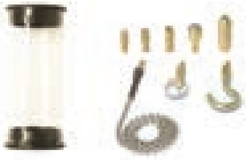
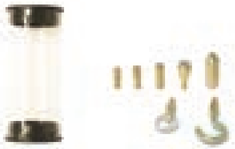
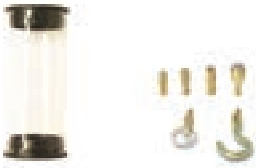
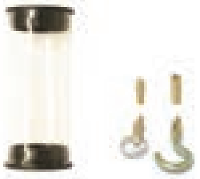


The **Polymer Set** is a non-conductive, shortened set of rods which is ideal when working in confined spaces. Whilst it is compatible with the standard range of Super Rod attachments, it has its own range of polymer 'Glo in the Dark' attachments.

An excellent choice when working in electrically sensitive areas such as server rooms.

	Part No	Description	Product Information
	SRPRS4	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
	SRPRS8	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
	SRPRS12	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

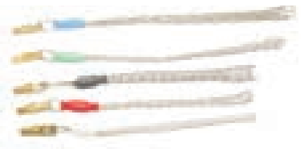
Part No	Description	Product Information	
CRBX5	Black Rod Spares	5 x 6mm Black Adoxim 1M Rods	
CRRX5	Red Rod Spares	5 x 5mm Red Adoxim 1M Rods	
CRYX5	Yellow Rod Spares	5 x 4mm Yellow Adoxim 1M Rods	
CRNX2	Nylon Rod Spares 1M	2 x 1M Nylon Rods	
CRSNX2	Nylon Rod Spares 175mm	2 x 175mm Nylon Rods	
CRMXBT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

Inspection Mirror Kit

The Inspection Mirror kit from Super Rod 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

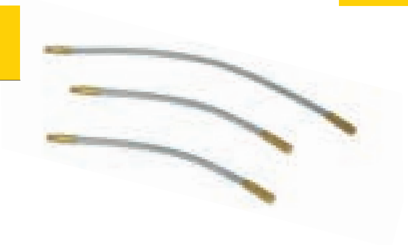
Seriously strong retrieval of any magnetic object. Combine this with its flexibility for outstanding functionality.

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

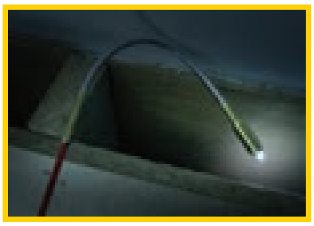
Gooseneck Kit

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 two 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

Glider

Allows rods to navigate even the most hostile terrain without digging into loft insulation or getting caught on joists and debris. The X2 Glider has been designed to traverse the more uneven surfaces such as roof tiles

Part No	Description	Product Information
SRGLIDE	Glider	The Super Grips 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

Super Beam

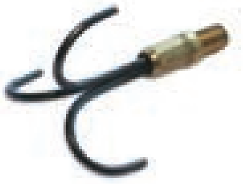
Illuminate any dark space with this highly useful torch attachment. The Super Beam is a self contained LED torch that can fix onto any of your Cable Rods. This brilliant little attachment turns your Cable Rod set into an instant inspection tool. It can also be used to locate the end of the rods within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

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.

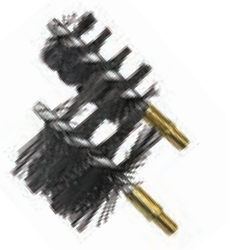
Part No	Description	Product Information
SRTR	Tri Hook	Increase your chances of hooking your cable at the first attempt



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.

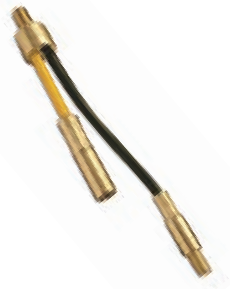
Part No	Description	Product Information
CRBR25-50	Brush Pair	1 x 25mm diameter (0.35 filament) 1 x 50mm diameter (0.90 filament)



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	Comes complete with a male Gender Changer to allow 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
CRCM	Chain & Magnet	Route cable with ease with this efficient attachment combination
SRC90	Chain 90cm	Perfect for longer cable runs and works particularly well in aluminium door channels

Magcom Tracer

The Magcom Tracer allows you to locate the end of the rod end when concealed inside walls, conduit, flooring etc. This is particularly useful when locating obstructions.

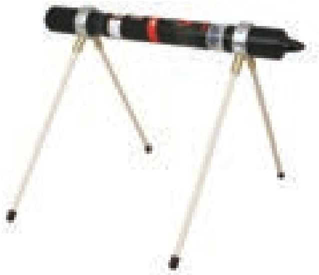
Part No	Description	Product Information
CRMC	Magcom Tracer	Sensitive to approximately 60mm depending on the material

Carry Case

Part No	Description	Product Information
SRBAG	Carry Case	The case can hold several tubes of rods as well as various accessories via the handy pouches located along the side of the case

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.

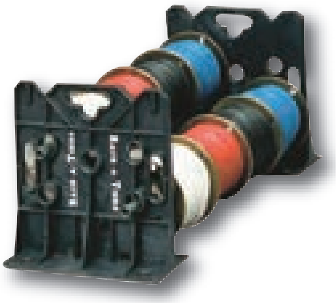


Part No	Description	Product Information
SRJK	The Cable Jack	Holds up to 35kg of weight 2 x Aluminium Collars 4 x 335mm Fibre Glass Legs

Rack-A-Tier

The Rack-A-Tier cable dispenser is most commonly used for dispensing cable from hanks of various sizes. There are many other uses for the Rack-A- Tier:

- Pipe vice
- Saw Horse
- Work bench
- Caddy
- Shelf
- Interlocking



Part No	Description	Product Information
SRRT	Rack a Tier	The Rack-A-Tier cable dispenser is the one tool that does it all! It's no surprise that hundreds of electricians wouldn't be without it!

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 Super Rod 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 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.

R2 Testing Lead

Part No	Description	Product Information
SRR2	R2 Testing Lead	Use in conjunction with the SRTP Telescopic pole to enable users to make contact with exposed conductive parts on any electrical equipment or accessory

Flexi Drill Kit

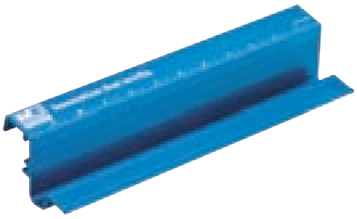
Drilling through joists has always been an issue and can often result in multiple entry points. The Flexi Drill has been designed to overcome this issue, along with the big red ball, to prevent any mis-direction.

Part No	Description	Product Information
SRFD12X510	Flexi Drill Kit	1.2M length 5mm diameter shaft 10mm diameter detachable auger drill bit 57mm diameter wooden guide ball *Single shafts available on request (SRFDS12X5)
SRFDB10	10mm Drill Bit	10mm diameter detachable auger drill bit
SRFDB15	15mm Drill Bit	15mm diameter detachable auger drill bit

Ladder Horse

Similar to the machinist v-block, use the Ladder Horse for supporting, cutting, trimming and sawing. It works anywhere your ladder works.

Unlike a sawhorse, the Ladder Horse requires no unfolding, no assembly and no bulky storage. Cuts EMT, Rigid, PVC and even threaded rod.

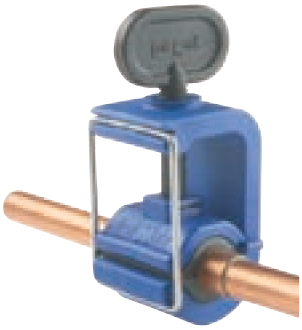


Part No	Description	Product Information
MLH	Ladder Horse	Solid aluminium construction Marked measurements Works with most work ladders

Leak Mate

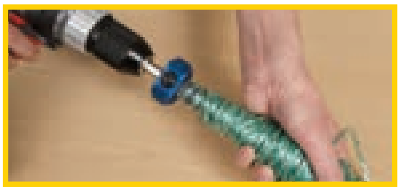
The Leak Mate is a reusable temporary seal for pipework that seals completely around the damaged pipe in seconds. Simple and easy to install, the Leak Mate allows for little disruption and no need for emergency call outs.

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

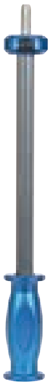


Part No	Description	Product Information
SRLM	Leak Mate Reseal leaking pipework in seconds	1 x Leak Mate tool 3 x Re-usable seals (sizes 10mm, 15mm and 22mm)

Power Pull-It



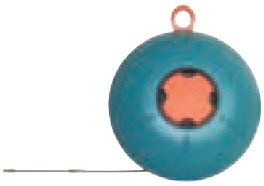
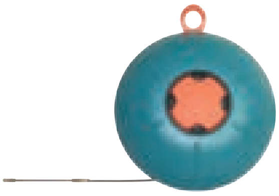
The powerful new way to pull wire - a compact and portable cable pulling device, which utilises your cordless drill to efficiently pull cable through ducting or conduit, dramatically reducing the time it takes to do the job.

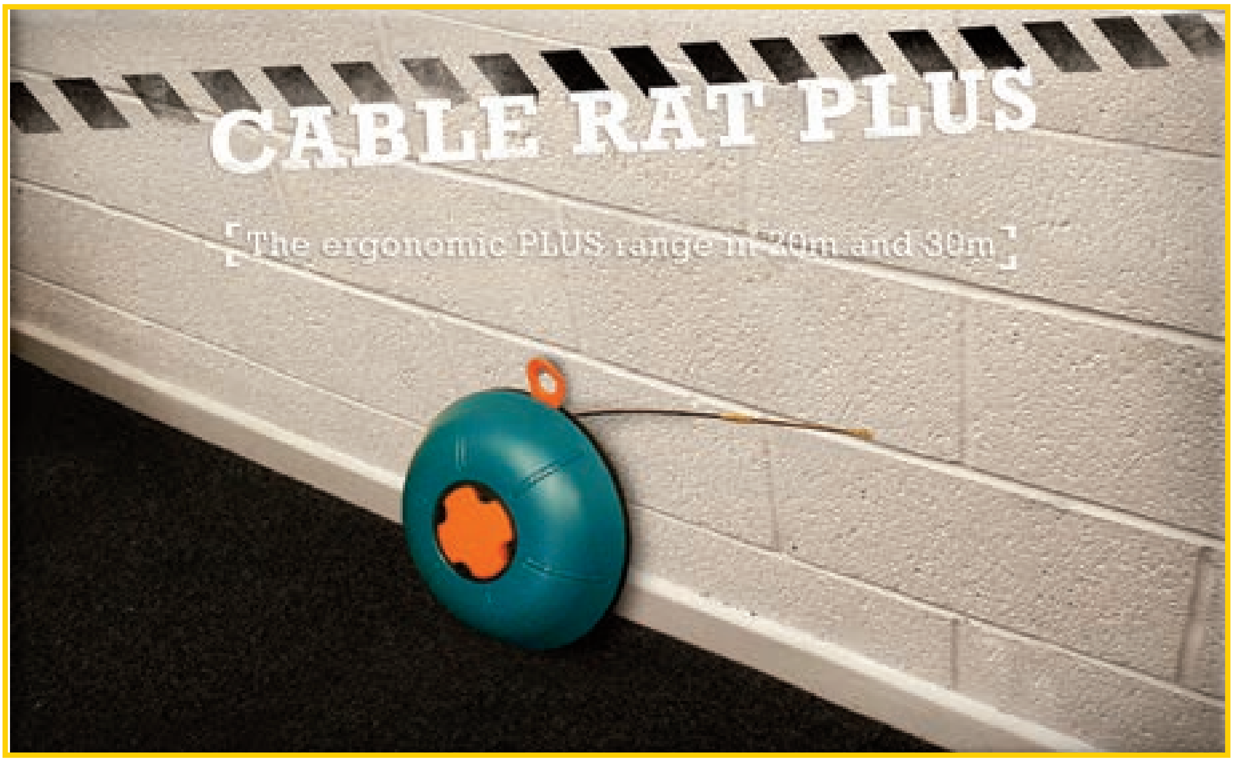


Part No	Description	Product Information
MWP	Power Pull-It	Saves on labour Sturdy construction No anchors required

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

With the Cable Zilla range, Super Rod 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
	CZLA50X6S	Cable Zilla (50M)	50M length / 6mm diameter 450mm wide frame Guide wheel attachment Flexi Lead attachment Mini Eye attachment
	CZLA50X6		50M length / 6mm diameter 550mm tall frame Guide wheel attachment Flexi Lead attachment Mini Eye attachment
	CZLA50X9		50M length / 9mm diameter 700mm tall frame Guide wheel attachment Flexi Lead attachment Mini Eye attachment
	CZLA100X9	Cable Zilla (100M)	100M length / 9mm diameter 1000mm tall frame Flexi Lead attachment
	CZLA150X9	Cable Zilla (150M)	150M length / 9mm diameter Flexi Lead attachment
	CZLA150X11		150M length / 11mm diameter Flexi Lead attachment

Super Cams

Super Rod'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	
SRCAMV6T	Super Cam V6 telescopic **Contents: -** 1 x Telescopic Pole 1 x R2 Testing Lead 1 x Bullet Camera (with charger) 1 x Aluminium Camera Collar 1 x Micro SD card 1 x full-colour Monitor (with charger) 1 x 100mm length Gooseneck 1 x Super Magnet 1 x Flat Bullet, 1 x Carry case	This ingenious inspection camera combines the great length advantage of the Telescopic Pole, together with a small and discreet camera. It connects wirelessly to a handheld full-colour monitor	
SRCAMV6W	Super Cam V6 Wireless Camera	The wireless Camera is housed in a protective aluminium collar & also includes a 100mm length Gooseneck. If you already have the monitor (included in the original Super Cam V6 pack), then all you need is the discreet camera	
SRCAMV6WK	Super Cam V6 Wireless Camera Kit	The wireless Camera Kit combines the bullet camera with the full-colour wireless monitor. The 100mm length Gooseneck is also provided to aid pre-angling	
SRCAMV7	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	
SRCAMV8	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	

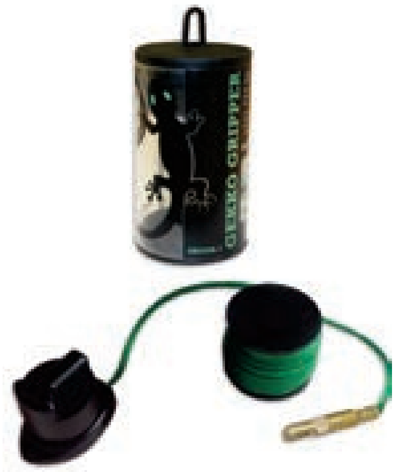
Specification	V6T	V7	V8
Endoscopic camera		•	•
CCTV camera	•		
Camera Head Protection	•	•	•
Day & Night usage	•	•	•
Weatherproof (IP rated)		•	•
3.5" colour TFT monitor	•		
7" colour TFT monitor		•	•
Record to micro SD card	•		
Record to USB		•	•

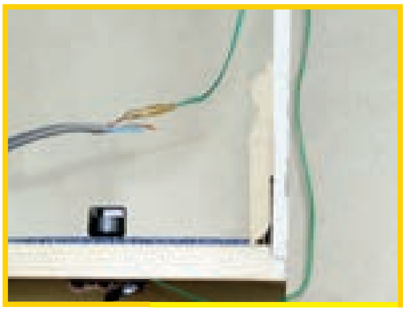
Specification	V6T	V7	V8
Cable reel (30m GRP rod)		•	
Cable reel (120m GRP rod)			•
Battery included	•	•	•
AC 15V power supply	•		
DC 12V power supply		•	•
Sunshade		•	•
Remote control		•	•
Carry case	•	•	•

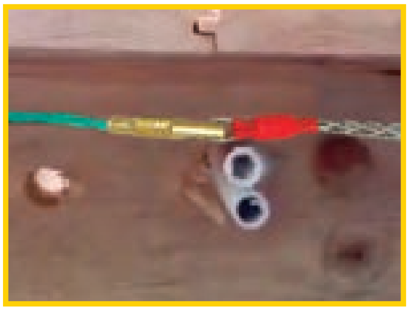
Gekko Gripper

The Gekko Gripper Magnetic Routing Kit for routing cables quicker and easier.

- Magnetic Routing System with 6 metres of re-enforced nylon
- Magnetically route through false walls filled with insulation and even route under floorboards with pipes blocking your way
- Navigates over pipework
- Counter displays available for orders of 12

	Part No	Description	Product Information
	**SRGG61**	Gekko Gripper	Will pull up to 10mm cable





*Super Grip Sold Separately

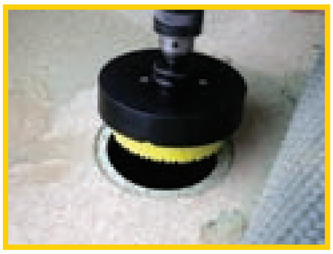
GEKKO GRIPPER
GEKKO GRIPPER
"Another 'Get Out Of Jail Free' card from Super Rod, routing cables quicker and easier..."
DAVE - STOCKPORT
Magnetic Routing
Gekko Gripper
SUPER ROD
SUPER ROD

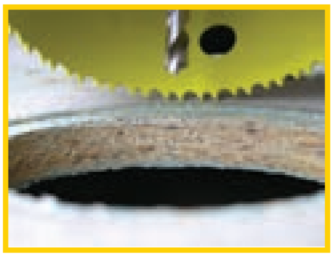
Complete with Free POS Display
(for order over 12 pieces)

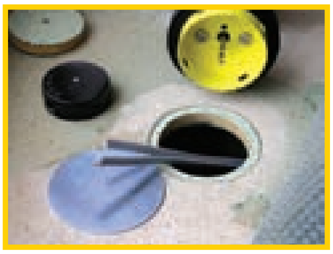
Cavity Master

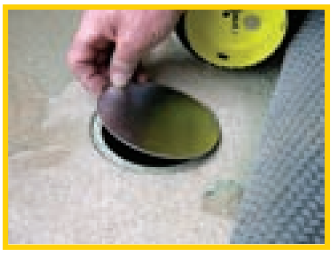
The Cavity Master has been born out of years of lifting and then having to repair or replace particle or chipboard flooring to gain access to services, then having the time consuming job of repairing the floor, usually without success. By using the Cavity Master tool, floors and wall spaces are quickly opened and sealed with the closure plates provided.

Part No	Description	Product Information	
CRCA1	Cavity Master	Cavity Master Arbor and Drill 5 x Solid Cover Plates	
CRCAPS	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	
CRCAPM	Mesh Plates x 5	The mesh plates work by covering over cavities made in plaster board, as plaster can be applied over the top of the mesh material	





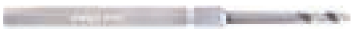




ProFit Click & Drill Hole Saws

Hole Saw				
Size Range (popular sizes, others available)	**Multi Purpose (16-330mm) PF09081XXX**	**BiMetal PLUS (14-210mm) PF09051XXX**	**Diamond Dry (5-110mm) PF09031XXX**	**HM Endura (16-60mm) PF09020XXX**
20mm	PF09081020	PF09051020	X	PF09020020
25mm	PF09081025	PF09051025	PF09031025	PF09020025
32mm	PF09081032	PF09051032	PF09031032	PF09020032
35mm	PF09081035	PF09051035	PF09031035	PF09020035
38mm	PF09081038	PF09051038	X	X
44mm	PF09081044	PF09051044	X	X
51mm	PF09081051	PF09051051	X	X
55mm	X	X	X	PF09020055
64mm	PF09081064	PF09051064	X	X
67mm	PF09081067	PF09051067	X	X
73mm	PF09081073	PF09051073	X	X
76mm	PF09081076	PF09051076	PF09031076	X
83mm	PF09081083	PF09051083	X	X
86mm	PF09081086	PF09051086	X	X
102mm	PF09081102	PF09051102	X	X
127mm	PF09081127	PF09051127	X	X
152mm	PF09081152	PF09051152	X	X

Centre Drill

	Part No	Description	Product Information
	PFDDH1MP	8mm hex shank HSS Drill	8mm hex shank, HSS drill 184mm length for Multi Purpose & BiMetal Hole Saws 16-30mm
	**PFDDH2MP**	10mm hex shank HSS Drill	10mm hex shank, HSS drill 186mm length for Multi Purpose & BiMetal Hole Saws 32-330mm
	PFDDH1MPCT	8mm hex shank HM Drill	8mm hex shank, HM drill 184mm length for Multi Purpose & BiMetal Hole Saws 16-30mm
	PFDDH2MPCT	10mm hex shank HM Drill	10mm hex shank, HM drill 186mm length for Multi Purpose & BiMetal Hole Saws 32-330mm
	PF09037140	Diamond Dry Centre Drill with hex shaft	-
	PF09029001	HM Endura Centre Drill	-

- Please see the full Material Guide in our Technical Section (p273)

ProFit Click & Drill Hole Saw Kits

Part No	Description	Multi Purpose Hole Saws Included	Centre Drills Included	
PFKIT116127	ProFit Kit 1	•1 x 16mm • 1 x 19mm •1 x 22mm • 1 x 25mm •1 x 29mm • 1 x 35mm •1 x 44mm • 1 x 51mm •1 x 56mm • 1 x 64mm •1 x 68mm • 1 x 73mm •1 x 76mm • 1 x 82mm •1 x 92mm •1 x 102mm •1 x 127mm	•PFDDH1MP 8mm hex shank, HSS drill 184mm length for MP Hole Saws 16-30mm •PFDDH1MPCT 8mm hex shank, HM drill 184mm length for MP Hole Saws 16-30mm •PFDDH2MP 10mm hex shank, HSS drill 186mm length for MP Hole Saws 32-330mm •PFDDH2MPCT 10mm hex shank, HM drill 186mm length for MP Hole Saws 32-330mm	Click & Drill
PFKIT21682	ProFit Kit 2	•1 x 16mm • 1 x 20mm •1 x 22mm • 1 x 25mm •1 x 29mm • 1 x 35mm •1 x 44mm • 1 x 51mm •1 x 64mm • 1 x 67mm •1 x 76mm • 1 x 82mm	•PFDDH1MP 8mm hex shank, HSS drill 184mm length for MP Hole Saws 16-30mm •PFDDH1MPCT 8mm hex shank, HM drill 184mm length for MP Hole Saws 16-30mm •PFDDH2MP 10mm hex shank, HSS drill 186mm length for MP Hole Saws 32-330mm •PFDDH2MPCT 10mm hex shank, HM drill 186mm length for MP Hole Saws 32-330mm	
PFKIT332114	ProFit Kit 3	•1 x 32mm • 1 x 35mm •1 x 38mm • 1 x 40mm •1 x 44mm • 1 x 51mm •1 x 56mm • 1 x 60mm •1 x 64mm • 1 x 68mm •1 x 73mm •1 x 76mm •1 x 80mm •1 x 82mm •1 x 92mm •1 x 102mm •1 x 114mm	•PFDDH2MP 10mm hex shank, HSS drill 186mm length for MP Hole Saws 32-330mm •PFDDH2MPCT 10mm hex shank, HM drill 186mm length for MP Hole Saws 32-330mm PLUS: 1 x PFDDE2 Extension	Click & Drill

NORSLO

Norslo has been supplying the market for more than 20 years with a diverse and comprehensive range of electrical installation equipment and accessories.

GreenBrook products are continously analysed and developed to ensure they offer the best quality whilst ensuring they assist in making installation quick and simple.

Cable Termination

Cable Management

Boxes

Fixings, Accessories & Consumables

CABLE TERMINATION

Service Connector Blocks

Heavy duty blocks for use at meter/mains position
- Black urea phenolic
- Easy knockout entries
- Lids can be sealed for security

Technical Data

Voltage	230V AC
Conforms to	BS EN 60695-2-10

	Part No	Description	Product Information	Pk Qty
	CB1	Connector Block 100A 25mm^2 Capacity 5 cables per pole	Single pole, 5 way	20
	CB2		Double pole, 2 x 5 way	10
	CB3	Connector Block 100A 35mm^2 Capacity 5 cables per pole	Single pole, 5 way	20
	CB6		Double pole 2 x 5 way	10
	CB9	200A 70mm^2 Capacity 6 cables	Single pole, 6 way	1

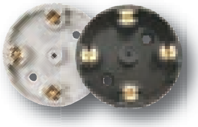
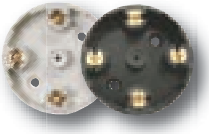
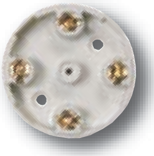
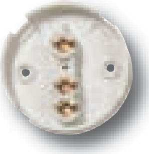
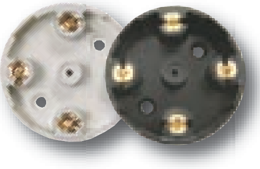
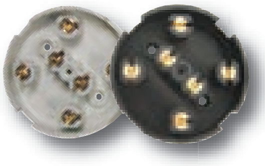
	Weight(g)	H (mm)	W (mm)	D (mm)
CB1	132	64	47	38
CB2	290	89	65	55
CB3	188	64	47	38
CB6	493	104	66	67
CB9	585	125	64	55

Junction Boxes

- Brass terminals
- Urea mouldings
- Heavy duty

Technical Data

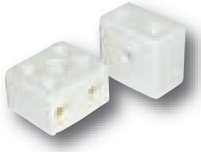
Conforms to	BS 6220

Part No	Description	Colour	Pk Qty	
GB2299 **GB2299B**	4 terminal, 5A ø 58mm	White Black	10	
GB2620 **GB2620B**	4 terminal, 5A ø 60mm	White Black		
GB2621	4 terminal, 20A ø 75mm	White		
GB2622	3 terminal, 30A ø 75mm			
Heavy Duty Junction Boxes				
GB2619 **GB2619B**	Heavy Duty Junction Box 3 terminal, 30A ø 90mm	White Black	10	
GB2618 **GB2618B**	Heavy Duty Junction Box 4 terminal, 20A ø 90mm	White Black		
GB2298 **GB2298B**	Heavy Duty Junction Box 6 terminal, 20A ø 90mm	White Black		

Porcelain Connectors

- Brass terminals
- Ceramic body
- Max temperature of operation: 350°C
- Chemical resistant
- 2 and 3 pole complete with central hole fixing

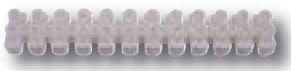
Conforms to EN 60998-1/EN 60998-2-1

	Part No	Description	Poles	Fix Holes	Dimensions	Pk Qty
	PC51 **PCC52** **PCC53**	5A Porcelain Connectors	1 pole 2 Pole 3 pole	0 1 x 4mm 2 x 4mm	H15 x W18 x L11mm H15 x W18 x L23mm H15 x W18 x L33mm	25 25 10
	**PCC152** **PCC153**	15A Porcelain Connectors	2 pole 3 pole	1 x 5mm 2 x 5mm	H15 x W23 x L26mm H15 x W23 x L40mm	20 10
	PC301 **PCC302** **PCC303**	30A Porcelain Connectors	1 pole 2 pole 3 pole	0 1 x 5mm 2 x 5mm	H19 x W26 x L16mm H19 x W26 x L32mm H19 x W26 x L47mm	20 10 10

Strip Connectors

- Polyethylene working temperature 80°C
- Nylon working temperature 100°C
- Bakelite working temperature 140°C

Conforms to BSEN 60998-2-1 Clause 18

	Part No	Description	Amps	Pk Qty
	2SC **5SC** **10SC** **15SC** **30SC** **60SC**	Polyethylene 12 way Strip Connectors Clear	3A 5A 10A 15A 30A 60A	10
	**NYC5** **NYC15** **NYC30**	Nylon 12 way Strip Connectors Clear	5A 15A 30A	
	BAC5 **BAC15** **BAC30**	Bakelite 12 way Strip Connectors Black	5A 15A 30A	10 10 5

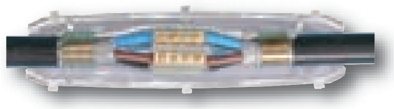
Cable Jointing Kits

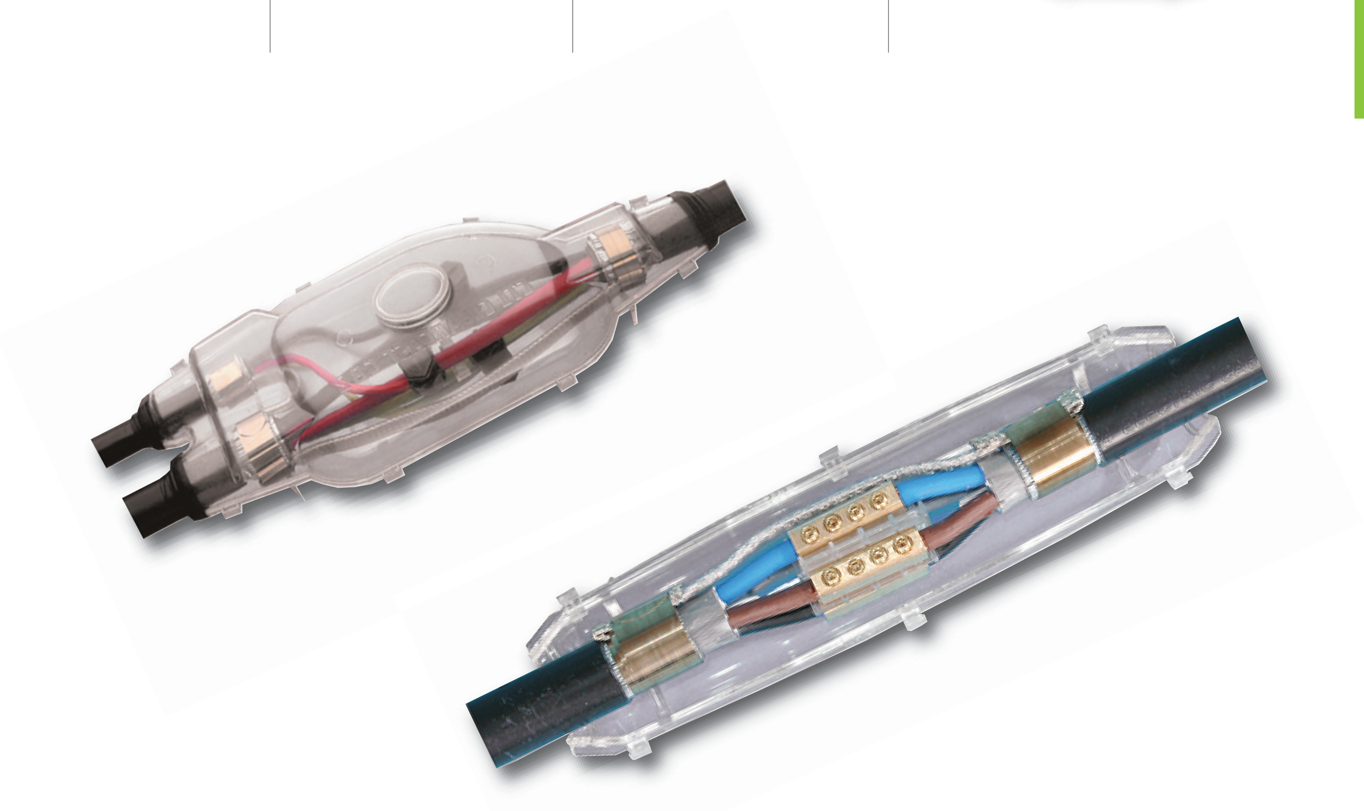
Securely joins cables with a permanent resin.

- For 2, 3 & 4 core cables
- All mechanical joints included
- For PVC, XLPE, EPR & PILC cables
- Once assembled in accordance with our instructions, our Resin Cable Joints will meet the requirements as outlined in EN 60529

Technical Data

IP Rating	IP67
RoHS & Reach compliant	
Conforms to	BS 6910 & CENELEC HD 623S1

Part No	Description	Cable Size	
CJS1 **CJS2** **CJS3** **CJS4** **CJS5**	LV Straight Joints	1.5 - 6mm^2 10 - 16mm^2 25mm^2 35 - 95mm^2 120mm^2	
CJB1 **CJB2**	LV Branch Joints	1.5 - 16mm^2 25 - 35mm^2	



Connection Boxes

- For 2A - 30A terminal strips
- Complete with fixing screws
- External (visible) fixing points for screws or cable ties (A type)
- Reversible cable clamps for wide range of cable sizes (A type)
- Cable clamps external to enclosure (A type)
- One piece base / lid, snap close / quick release
- Additional / optional security screws
- Registered design

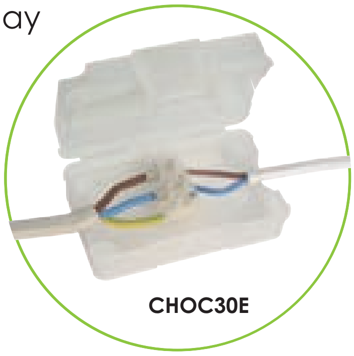
Technical Data

IP Rating	IP20
Conforms to	Cable retention and glow wire EN 60598-1 and BS 4533-1990

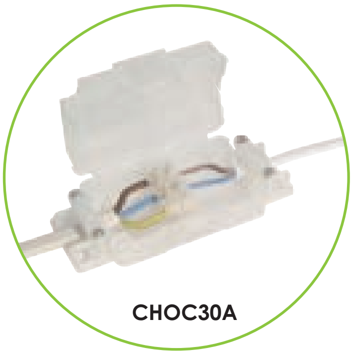
	Part No	Description	Overall Dimensions	Pk Qty
	CHOC30A	Connection Box with cable clamps Come with Free POS Display as shown below	H28 x W110 x D49mm (Including clamps)	50
	CHOC30A-10	Connection Box with cable clamps (in poly bag)		10
	CHOC30E	Connection Box Economy without cable clamps	H27 x W77 x D49mm	50

CONNECTION BOX

CHOC30A - Comes with Free POS Display



CHOC30E



CHOC30A

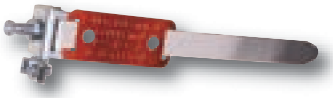
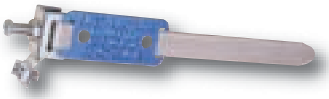
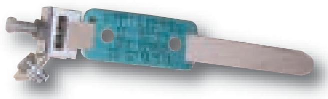
Earthing Products

The Norslo high performance earth clamp is designed to meet the requirements of BS 951.

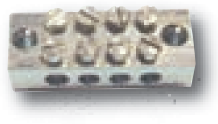
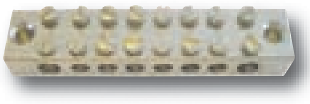
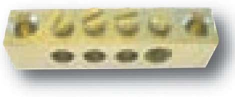
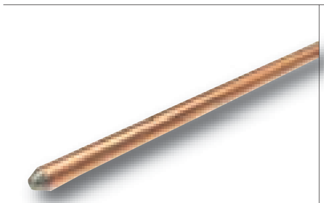
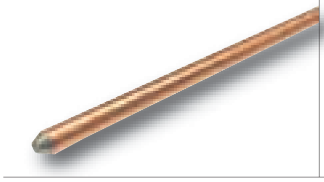
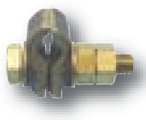
Available in three colours: - red for non-corrosive dry atmosphere and blue or green for corrosive or humid conditions. Available in three standard band lengths.

The Norslo Radiator Clamp Kit was specifically designed to allow a convenient and easy method of complying with the current IET wiring regulations.

- Packs come complete with spanner, clamps and safety labels (specific to RD10 & RD100).
- Can be easily used in all earthing applications with wet filled radiators, steel kitchen sinks, ducting, suspended ceilings or any other metal work that offers a 'fin' contact area.

Part No	Description	Pipe Dia (ø)	Pk Qty	
EC14GB **EC14/2GB** **EC14/3GB**	Earth Clamps for dry conditions Terminal size A-D 2.5 - 10mm^2 Max. earth conductor 1 x 10mm^2	12mm - 32mm 32mm - 50mm 50mm - 75mm	20	
EC15GB **EC15/2GB** **EC15/3GB**	Earth Clamps for all conditions Terminal size A-D 2.5 - 10mm^2 Max. earth conductor 1 x 10mm^2			
EC16GB **EC16/2GB** **EC16/3GB**	Earth Clamps for all conditions Terminal size A-E 2.5 - 16mm^2 Max. earth conductor 2 x 10mm^2			
Radiator Clamp Kit				
RD10 **RD100**	Radiator Clamp Kit Complete with clamp, spanner & safety labels	In clam shell In a poly bag (10 poly bags of 10)	10 100	

Earthing Products

	Part No	Description	Terminal Hole Size	Pk Qty
Brass Earthing Blocks				
	**4WEB**	Brass Earthing Block with plating finish Double pole 4 way	1 x 25mm 3 x 16mm	20
	**8WEB**	Brass Earthing Block with plating finish Double pole 8 way	2 x 25mm 6 x 16mm	
	**4WEBS**	Brass Earthing Block with plating finish Single pole 4 way	1 x 25mm 3 x 16mm	25
	8WEBS	Brass Earthing Block with plating finish Single pole 8 way	2 x 25mm 6 x 16mm	
Earth Rods				
	**NR384E** **NR584E**	Economy Earth Rod Copper plated to 25 microns	3/8" x 4' non-extend 5/8" 4' extendable	1
	**NR384** **NR584**	Premium Earth Rod Copper bonded to 250 microns	3/8" x 4' non-extend 5/8" 4' extendable	
Lug to Rod Clamp				
	**NRC38E** **NRC38**	Lug to Rod Clamp - Brass Lug to clamp - Alloy	3/8" economy 3/8" premium	1

Earthing Products

Part No	Description	Product Information	Pk Qty	
NC38E **NC58E** **NC38** **NC58**	Cable to Rod Clamp - Brass Cable to Rod Clamp - Brass Cable to Rod Clamp - Alloy Cable to Rod Clamp - Alloy	**Earth rod size** 3/8" economy 5/8" economy 3/8" premium 5/8" premium	1	
RC58E **RC58**	Used to join two 5/8" extendable earth rods together - Brass Rod Coupling - Alloy	5/8" rod coupling (economy) Earth rod size 5/8" coupler		
ECB	Earthing Box PVC	ø 66mm, H60mm		
PT205	Earth Inspection Pit SWL 5,000kg Made from lightweight polymer	H300 x W300 x D212mm		
20ET **25ET**	Earth Tags - Brass	ø 20mm ø 25mm	100 100	
DS58	Driving Bolt - Steel	**Earth rod size** 5/8" driving bolt	1	
PS1/20	Earth Strip Pierced copper	**Earth strip size** 1/2" x 20M		

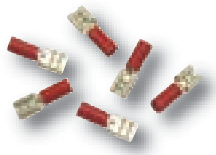
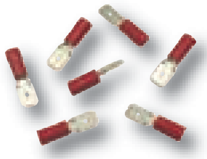
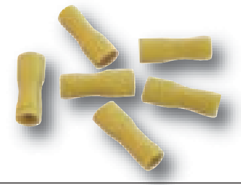
Compression Cable Lugs

- Bell entry copper tube Cable Lugs, for easier cable insertion
- Manufactured in tinned copper

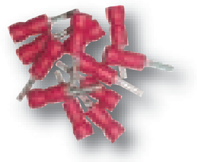
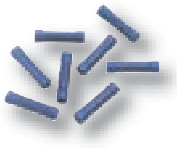
	Part No	Cable Size CSA (cross section area)	Stud Size	Pk Qty
	CS6/6	6mm	6	50
	CS10/6	10mm	6	
	CS10/8		8	
	CS10/10		10	
	CS16/6	16mm	6	
	CS16/8		8	
	CS16/10		10	
	CS25/6	25mm	6	
	CS25/8		8	
	CS25/10		10	
	CS35/8	35mm	8	
	CS35/10		10	
	CS35/12		12	
	CS50/8	50mm	8	
	CS70/8	70mm	8	20
	CS70/10		10	
	CS70/12		12	
	CS95/10	95mm	10	
	CS95/12		12	

Insulated Terminals & Connectors

- Cable size Red 0.5 - 1.5mm
Blue 1.5 - 2.5mm
Yellow 4.0 - 6.0mm

Part No	Description	Stud Size	Pk Qty	
RRT4.3 **RRT5.3** **RRT6.5** **RRT8.5**	Red Ring Terminals Cable size 0.5mm - 1.5mm	ø 4.3mm ø 5.3mm ø 6.5mm ø 8.5mm	Pk of 250 (5 x 50)	
BRT4.3 **BRT5.3** **BRT6.5** **BRT8.5**	Blue Ring Terminals Cable size 1.5mm - 2.5mm	ø 4.3mm ø 5.3mm ø 6.5mm ø 8.5mm		
YRT4.3 **YRT5.3** **YRT6.5** **YRT10**	Yellow Ring Terminals Cable size 4.0mm - 6.0mm	ø 4.3mm ø 5.3mm ø 6.5mm ø 10.0mm		
RFT4.3 **BFT4.3**	Fork Terminals Cable size 0.5 - 1.5mm Cable size 1.5 - 2.5mm	ø 4.3mm ø 4.3mm		
RPOF6.3 **BPOF6.3** **YPOF6.3**	Connectors Push-on Female Cable size 0.5mm - 1.5mm - Red Cable size 1.5 - 2.5mm - Blue Cable size 4.0 - 6.0mm - Yellow	-		
RPOM6.3 **BPOM6.3** **YPOM6.3**	Connectors Push-on Male Cable size 0.5mm - 1.5mm - Red Cable size 1.5 - 2.5mm - Blue Cable size 4.0 - 6.0mm - Yellow			
RTIPOF6.3 **BTIPOF6.3** **YTIPOF6.3**	Connectors Fully Insulated, Push-on Female Cable size 0.5mm - 1.5mm - Red Cable size 1.5 - 2.5mm - Blue Cable size 4.0 - 6.0mm - Yellow			
RBM4 **BBM5**	Bullet Male Cable size 0.5mm - 1.5mm - Red Cable size 1.5mm - 2.5mm - Blue	-		

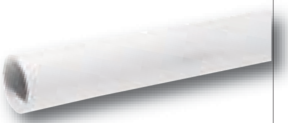
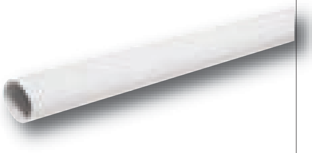
Insulated Terminals & Connectors

	Part No	Description	Colour	Pk Qty
	**RPT9.5**	Pin Terminal Cable size 0.5mm - 1.5mm	Red	Pk of 250 (5 x 50)
	**RS1.5** **BS2.5** **YS6**	Splice Cable size 0.5mm - 1.5mm Cable size 1.5mm - 2.5mm Cable size 4.0mm - 6.0mm	Red Blue Yellow	
	RPB6.3 **BPB6.3**	Piggy back Cable size 0.5mm - 1.5mm Cable size 1.5mm - 2.5mm	Red Blue	

NORSLO

CABLE MANAGEMENT

PVC Conduit / PVC Channel

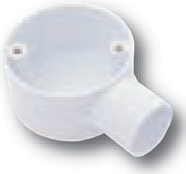
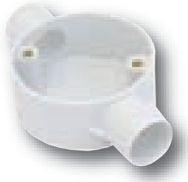
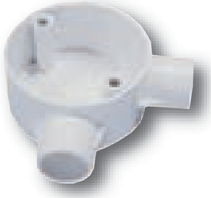
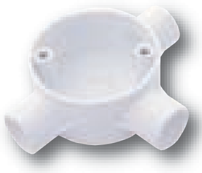
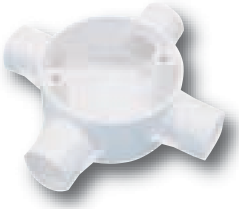
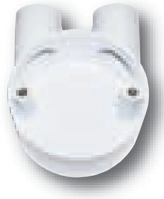
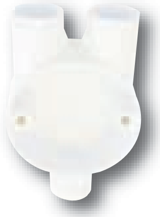
	Part No	Part No	Description	Dimensions	Pk Qty
	WHITE **HC20W** **HC25W**	***BLACK*** **HC20B** **HC25B**	Heavy gauge Circular PVC Conduit Tube	ø 20mm x L3M ø 25mm x L3M	75M
	**LC20** **LC25**	- -	Light gauge Circular PVC Conduit Tube	ø 20mm x L3M ø 25mm x L3M	
	**OC05** **OC06** **OC07** **OC10**	- - - -	Oval PVC Conduit Tube	ø 13mm x L3M ø 16mm x L3M ø 20mm x L3M ø 26mm x L3M	150M
	CH05 **CH10** **CH15**	- - -	High impact PVC Channel	ø 13mm x L2M ø 26mm x L2M ø 39mm x L2M	100M

PVC Conduit Accessories

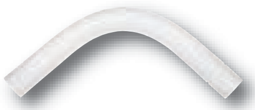
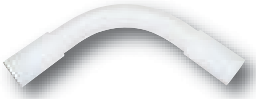
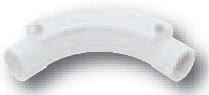
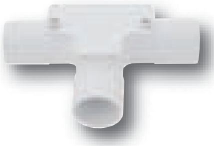
- Available in black and white

Technical Data

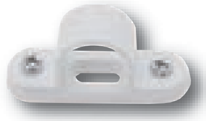
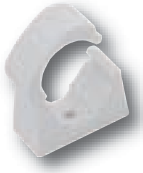
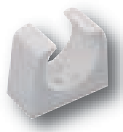
Conforms to BS 4607-5

Part No	Part No	Description	Dimensions	Pk Qty	
WHITE	***BLACK***				
P1WAY20W **P1WAY25W**	**P1WAY20B** **P1WAY25B**	Terminal Box	ø 20mm ø 25mm	20	
P2WAY20W **P2WAY25W**	**P2WAY20B** **P2WAY25B**	Through Box	ø 20mm ø 25mm		
PANGLE20W **PANGLE25W**	**PANGLE20B** **PANGLE25B**	Angle Box	ø 20mm ø 25mm		
P3WAY20W **P3WAY25W**	**P3WAY20B** **P3WAY25B**	Tee Box	ø 20mm ø 25mm		
P4WAY20W **P4WAY25W**	**P4WAY20B** **P4WAY25B**	4 Way Box	ø 20mm ø 25mm		
PU20W	**PU20B**	U Box	ø 20mm		
PY20W	**PY20B**	Y Box	ø 20mm		

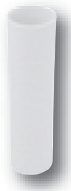
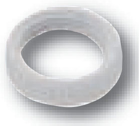
PVC Conduit Accessories

	Part No	Part No	Description	Dimensions	Pk Qty
	WHITE	***BLACK***			
	PLOOPW	**PLOOPB**	Loop-in Box	ø 20mm	20
	PCCW	**PCCB**	Circular covers	ø 65mm	100
	**PSTB20W** **PSTB25W**	**PSTB20B** **PSTB25B**	Slip Bends	ø 20mm ø 25mm	25 20
	**PNB20W** **PNB25W**	**PNB20B** **PNB25B**	Normal Bends (with couplers)	ø 20mm ø 25mm	25 10
	**PIB20W** **PIB25W**	**PIB20B** **PIB25B**	Inspection Bends	ø 20mm ø 25mm	20
	PIE20W	**PIE20B**	Inspection Elbows	ø 20mm	
	**PIT20W** **PIT25W**	**PIT20B** **PIT25B**	Inspection Tees	ø 20mm ø 25mm	

PVC Conduit Accessories

Part No	Part No	Description	Dimensions	Pk Qty	
WHITE	***BLACK***				
PMB20W **PMB25W**	**PMB20B** **PMB25B**	Male Bushes	ø 20mm ø 25mm	100	
PSB20W **PSB25W**	**PSB20B** **PSB25B**	Spacer Bar Saddles	ø 20mm ø 25mm		
PSS20W **PSS25W**	**-** **PSS25B**	Snap Saddles	ø 20mm ø 25mm		
PPS20W **PPS25W**	**PPS20B** **PPS25B**	Plain Saddles	ø 20mm ø 25mm		
PRCC20W **PRCC25W**	**PRCC20B** **PRCC25B**	Round Conduit Clips	ø 20mm ø 25mm		
POCC16W **POCC20W** **POCC25W**	**-** **-** **-**	Oval Conduit Clips	ø 16mm ø 20mm ø 25mm		

PVC Conduit Accessories

	Part No	Part No	Description	Dimensions	Pk Qty
	WHITE	***BLACK***			
	PC20W **PC25W**	**PC20B** **PC25B**	Straight Couplers	ø 20mm ø 25mm	100
	**PEC20W** **PEC25W**	**PEC20B**	Expansion Couplers	ø 20mm ø 25mm	50 25
	PMA20W **PMA25W**	**PMA20B** **PMA25B**	Male Adaptors	ø 20mm ø 25mm	100
	PFA20W **PFA25W**	**PFA20B** **PFA25B**	Female Adaptors	ø 20mm ø 25mm	
	PR2520W	**PR2520B**	Reducer	ø 25 x 20	
	PLN20W **PLN25W**	**PLN20B** **PLN25B**	Hexagonal Locknuts	ø 20 ø 25	
	**PLR20W** **PLR25W**	**PLR20B** **PLR25B**	Lockrings	ø 20mm ø 25mm	

PVC Conduit Accessories

The following applies to 20CK, 25CK, 20CKG and 25CKG only -
The Norslo PVC Conduit Contractor pack is a plasticised PVC conduit with a rigid PVC reinforced spiral.
A smooth inner bore for easy wire pulling. Crush resistant, returning to its original diameter.

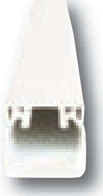
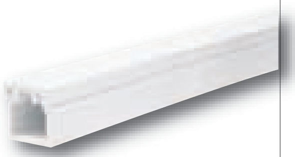
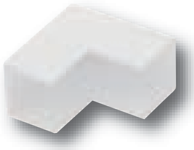
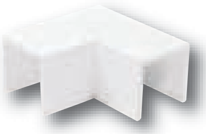
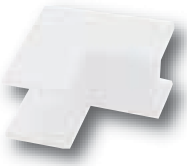
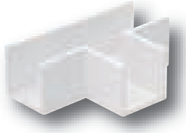
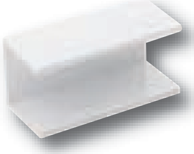
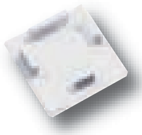
- Pack contains 10M of flexible conduit, x 10 nylon swivel fittings and x 10 nylon locknuts to fit

Technical Data

Temp rating	from -10°C to +75°C, intermittent to +85°C
Protection rating	IP55 or IEC 529
Conforms to	BS 4607 and BS 6099 Pt 1

Part No	Description	Product Information/ Dimensions	Pk Qty	
20BSH **25BSH**	Heavy gauge Bending Springs (Green)	ø 20mm ø 25mm	1	
20BSL **25BSL**	Light gauge Bending Springs (Red)	ø 20mm ø 25mm		
PVCADHN	PVC Adhesive	250ml	1 x 250ml	
20CK **25CK**	PVC Flexible Conduit Contractor Pack	Pack contains - 10M of flexible conduit x 10 nylon swivel fittings x 10 nylon locknuts	10M conduit	
20CKG **25CKG**	Spare glands for contractor pack	ø 20mm ø 25mm	10	

PVC Mini Trunking & Accessories

	Part No	Description	Dimensions	Pk Qty
	NMT1	Mini Trunking High impact PVC	H16mm x W16mm	75M
	NMT2		H16mm x W25mm	75M
	NMT3		H16mm x W40mm	30M
	NMT4		H25mm x W40mm	30M
	NMT5		H25mm x W50mm	30M
			**Trunking dimensions**	
	SAMT1	Mini Trunking High impact PVC Self adhesive	H16mm x W16mm	75M
	SAMT2		H16mm x W25mm	
	EA1	External Angle	H16mm x D16mm	10
	EA2		H16mm x D25mm	
	FA1	Flat Angle	H16mm x D16mm	
	FA2		H16mm x D25mm	
	IA1	Internal Angle	H16mm x D16mm	
	IA2		H16mm x D25mm	
	FT1	Flat Tee	H16mm x D16mm	
	FT2		H16mm x D25mm	
	C1	Coupling	H16mm x D16mm	
	C2		H16mm x D25mm	
	SE1	Stop End	H16mm x D16mm	
	SE2		H16mm x D25mm	

Cable Gland Kits

Technical Data

Conforms to	BS 6121 part 1

Part No	Description	Thread ø	Contents	
20SBWK **20BWK** **25BWK** **32BWK**	BW type Cable Gland Kit Two Part Glands (indoors)	ø 20mm (small) ø 20mm ø 25mm ø 32mm	2 x glands 2 x shrouds 2 x tags 2 x locknuts	
40BWK **50BWK** **63BWK** **75BWK**		ø 40mm ø 50mm ø 63mm ø 75mm	1 x gland 1 x shroud 1 x tag 1 x locknut	
20SCWK **20CWK** **25CWK** **32CWK**	CW type Cable Gland Kit Three Part Glands (outdoors)	ø 20mm (small) ø 20mm ø 25mm ø 32mm	2 x glands, 2 x shrouds 2 x tags 2 x locknuts	
40CWK **50CWK** **63CWK**		ø 40mm ø 50mm ø 63mm	1 x gland 1 x shroud 1 x tag 1 x locknut	

Cable Gland Kits

- Low smoke and fume

Technical Data

Conforms to	BS 6121 part 1

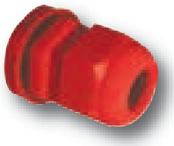
	Part No	Description	Thread ø	Contents
	20SBWKLSF 20BWKLSF 25BWKLSF 32BWKLSF	BW type Cable Gland Kit Low smoke and fume Two Part Glands (indoors)	ø 20mm (small) ø 20mm ø 25mm ø 32mm	2 x glands 2 x shrouds 2 x tags 2 x locknuts
	40BWKLSF 50BWKLSF 63BWKLSF 75BWKLSF		ø 40mm ø 50mm ø 63mm ø 75mm	1 x gland 1 x shroud 1 x tag 1 x locknut
	20SCWKLSF 20CWKLSF 25CWKLSF 32CWKLSF	CW type Cable Gland Kit Low smoke and fume Three Part Glands (outdoors)	ø 20mm (small) ø 20mm ø 25mm ø 32mm	2 x glands 2 x shrouds 2 x tags 2 x locknuts
	40CWKLSF 50CWKLSF 63CWKLSF 75CWKLSF		ø 40mm ø 50mm ø 63mm ø 75mm	1 x gland 1 x shroud 1 x tag 1 x locknut

Cable Glands

- These glands are manufactured in accordance with BS 6121 pt 1.
- Please find our Technical chart in the Technical section (p266)

Technical Data

Conforms to	BS 6121 part 1

Part No	Description	Colour	Pk Qty	
PCG20B **PCG20G** **PCG20R** **PCG20W** **PCG20LB** **PCG20LW** **PCG20SB** **PCG20SR** **PCG20SW**	IP68 rated Nylon Cable Glands 20mm 6-12mm cable diameter	Black Grey Red White Black White Black Red White	50 50 50 50 100 100 100 100 100	
PCG25B **PCG25W**	IP55 Rated PVC Comp Gland 25mm	Black White	50	
PCG25BL **PCG25G** **PCG25R** **PCG25WH**	IP68 rated PVC Cable Glands 25mm 13-18 cable diameter	Black Grey Red White		
16TRS **20TRS** **25TRS**	ø 16mm ø 20mm ø 25mm	Brass TRS Glands	100 100 50	

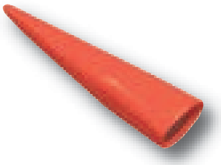
Cable Gland Accessories

- Manufactured in polypropylene

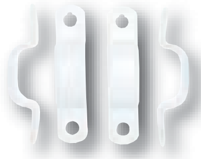
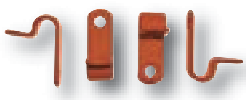
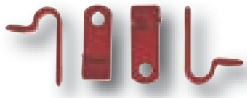
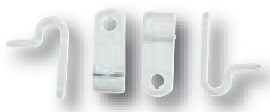
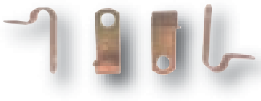
	Part No	Description	Cable Hole ø	Pk Qty
	NP3	Cable Cleats (Please see size selection chart in Technical section)	ø 7.6mm	100
	NP4		ø 10.2mm	100
	NP5		ø 12.7mm	100
	NP6		ø 15.2mm	100
	NP7		ø 17.8mm	100
	NP8		ø 20.3mm	100
	NP9		ø 22.8mm	100
	NP10		ø 25.4mm	100
	NP11		ø 27.7mm	50
	NP12		ø 30.4mm	50
	NP14		ø 35.6mm	50
	NP16		ø 40.6mm	20
	NP18		ø 45.7mm	20
	NP20		ø 50.8mm	50

Technical Data

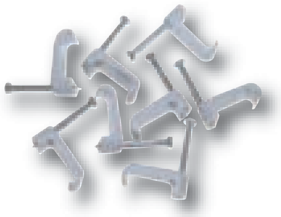
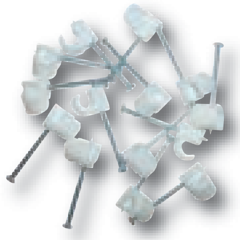
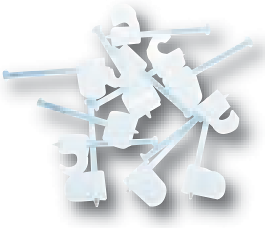
Conforms to	BS 6121 part 1

	Part No	Description	Core Size/Colour	PK QTY
	MIG2L1.0	Mineral Insulated Glands RGM	2L1.0	10
	MIG2L1.5		2L1.5	
	MIG2L2.5		2L2.5	
	MIG3L1.5		3L1.5	
	MIG4L1.5		4L1.5	
	S215	Pots & Seals RPS	2L1.5	
	S225		2L2.5	
	S315		3L1.5	
	S415		4L1.5	
	ETS210	Pots & Seals with Earth Tails RPSL	2L1.0	
	ETS215		2L1.5	
	ETS225		2L2.5	
	ETS315		3L1.5	
	ETS415		4L1.5	
	**20BS**	Tapered Shrouds MICC 20mm	Black	
	20OS		Orange	
	20RS		Red	
	20WS		White	

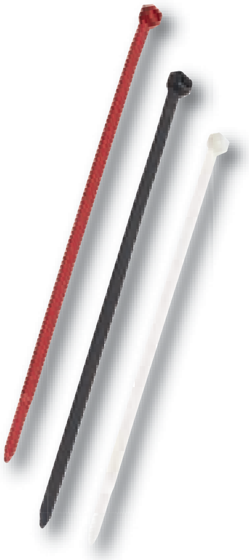
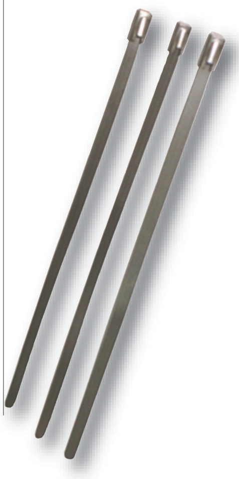
Cable Saddles and PVC Coated Cable Clips

Part No	Description	Core Size	Pk Qty	
RCS1 **RCS2**	Cable Saddles - Red	2L1.5 - 3L1.0 2L2.5 - 4L1.5	50	
WCS1 **WCS2**	Cable Saddles - White	2L1.5 - 3L1.0 2L2.5 - 4L1.5		
BCS1 **BCS2**	Cable Saddles - Black	2L1.5 - 3L1.0 2L2.5 - 4L1.5		
OCC2 **OCC3** **OCC4**	PVC clips - Orange	2L1.5 / 3L1.0 2L2.5 / 3L1.5 / 4L1.0 /4L1.5		
RCC1 **RCC2** **RCC3** **RCC4**	PVC clips - Red	2L1.0 2L1.5 / 3L1.0 2L2.5 / 3L1.5 / 4L1.0 / 4L1.5		
WCC1 **WCC2** **WCC3** **WCC4**	PVC clips - White	2L1.0 2L1.5 / 3L1.0 2L2.5 / 3L1.5 / 4L1.0 / 4L1.5		
BCC1 **BCC2** **BCC3** **BCC4**	PVC clips - Black	2L1.0 2L1.5 / 3L1.0 2L2.5 / 3L1.5 / 4L1.0 / 4L1.5		
RC22	Cable Clips - Uncoated	2L1.5 - 3L1.0		

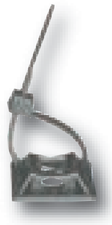
Cable Clips

	Part No	Description	Cable Dimensions	Pk Qty
	CCF1.5G CCF2.5G CCF4G CCF10G	Flat Cable Clips Nylon Grey	1 - 1.5mm 2.5mm 4 - 6mm 10 - 16mm	1000
	CCR4B CCR5B CCR7B CCR10B CCR14B	Round Cable Clips Nylon Black	3 - 5mm 5 - 7mm 7 - 10mm 10 - 14mm 14 - 20mm	1000 1000 1000 1000 500
	CCR4W CCR5W CCR7W CCR10W CCR14W	Round Cable Clips Nylon White	3 - 5mm 5 - 7mm 7 - 10mm 10 - 14mm 14 - 20mm	1000 1000 1000 1000 500
	CCR4C	Round Cable Clips Nylon Clear	3 - 5mm	1000

Cable Ties

Part No	Part No	Part No	Description	Dimensions	Pk Qty	
BLACK	**CLEAR**	**RED**				
075/22B	075/22C	-	Cable Ties Nylon	L80 x W2.5mm	100	
098/25B	098/25C	098/25R		L100 x W2.5mm		
140/36B	140/36C	140/36R		L140 x W3.5mm		
160/45B	160/45C	-		L180 x W4.8mm		
200/28B	200/28C	200/28R		L200 x W2.5mm		
200/48B	200/48C	200/48R		L200 x W4.5mm		
240/78B	240/78C	240/78R		L250 x W7.0mm		
290/48B	290/48C	290/48R		L280 x W4.8mm		
300/07B	300/07C	-		L300 x W7.0mm		
360/48B	360/48C	360/48R		L350 x W4.8mm		
370/78B	370/78C	370/78R		L370 x W7.0mm		
530/09B	-	-		L530 x W9.0mm		
STAINLESS STEEL						
200/46SS	-	-	Cable Ties Stainless Steel Grade: AISI.304 Roller ball locking	L200 x W4.6mm		
300/46SS	-	-		L300 x W4.6mm		
360/46SS	-	-		L360 x W4.6mm		

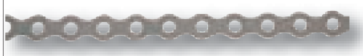
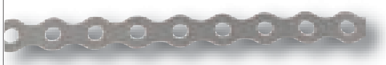
Self Adhesive Fixing Clips & Bases

	Part No	Description	Cable Dimensions	Actual Dimensions	Pk Qty
	SAF0 **SAF1** **SAF2** **SAF3** **SAF4**	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
	SAFTC	Cable Tie Carrier 10mm	ø 10mm	H38 x W25mm	
	**19/19** **19/19B**	Self Adhesive Base - Clear Self Adhesive Base - Black	ø 3.6mm	H19 x W19mm	
	27/27 **27/27B**	Self Adhesive Base - Clear Self Adhesive Base - Black	ø 4.8mm	H27 x W27mm	

Perforated Fixing Bands

Norslo's Perforated Fixing Bands have predrilled holes along the full length so they can be easily bolted or screwed down to any surface. Ideal for fixing cables, pipes etc to any surface

- Manufactured from galvanised carbon steel

Part No	Description	Dimensions	Pk Qty	
PFBB12N	Perforated Fixing Band Black Powder Coated	L10M x W12mm x T0.8mm hole size, 5mm	1	
PFBB17N		L10M x W17mm x T0.8mm hole size, 7mm		
PFBG12N	Perforated Fixing Band Galvanised	L10M x W12mm x T0.8mm hole size, 5mm		
PFBG17N		L10M x W17mm x T0.8mm hole size, 7mm		

Insulation/Electrical PVC Tape

- 19mm wide tape
- Available in two lengths 20M and 33M

Technical Data

Conforms to BS 3924

	Part No	Description	Colour	Pk Qty
	IT1920B10	Electrical Tape 20M length	Black	10 x 20M rolls
	IT1920BL10		Blue	
	IT1920BN10		Brown	
	IT1920GY10		Green/Yellow	
	IT1920G10		Grey	
	IT1920R10		Red	
	IT1920W10		White	
	IT1920Y10		Yellow	
	IT1933B10	Electrical Tape 33M length	Black	10 x 33M rolls
	IT1933BL10		Blue	
	IT1933BN10		Brown	
	IT1933GY10		Green/Yellow	
	IT1933G10		Grey	
	IT1933R10		Red	
	IT1933W10		White	
	IT1933Y10		Yellow	

Warning Tape

	Part No	Description	Dimensions
	EWT	Underground Warning Tape	1 x 365M reel

Cable Protectors

The Cable Protector is designed to cover loose wires and cables, preventing a trip hazard. Often used in offices, shops and warehouses, Cable Protectors are required for compliance with Health and Safety legislation preventing accidents at work.

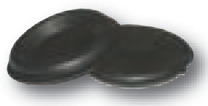
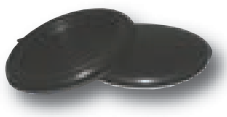
The Norslo Cable Protector comes in three sizes to effectively cover most cable sizes.

- Low flammability
- Not suitable for vehicular traffic

Part No	Description	Product Information	
CPS	Cable Protector Small PVC	H11mm x W64mm x L9M Internal cavity: H6.4 x W16mm Ribbed surface Slit back	
CPM	Cable Protector Medium PVC	H16mm x W76mm x L9M Internal cavity: H9.5 x 19mm Ribbed surface Slit back	
CPL	Cable Protector Large PVC	H25mm x W76mm x L9M Internal cavity: H16 x W38mm Ribbed surface Slit back	

Please see Technical Section (p271) for technical drawings.

Grommets, Super Grommets & Bushes

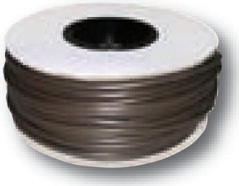
	Part No	Description	Dimensions	Pk Qty
	**GBP16**	Blanking Plug	ø 16mm	100
	GBP20		ø 20mm	100
	GBP25		ø 25mm	100
	GBP32		ø 32mm	50
	GBP38		ø 38mm	25
	GBP50		ø 50mm	25
	GO16	Open Grommet	ø 16mm	100
	GO20		ø 20mm	100
	GO25		ø 25mm	100
	GO32		ø 32mm	50
	GO38		ø 38mm	25
	GO50		ø 50mm	25
	**GSBT20**	Semi-Blind Grommet (top diaphragm)	ø 20mm	100
	GSBT25		ø 25mm	100
	GSBT32		ø 32mm	50
	GSBT38		ø 38mm	25
	GSBT50		ø 50mm	20
	SGB20	Super (Quick-fit) Blanking Plug	ø 20mm	100
	SGB25		ø 25mm	100
	SGB32		ø 32mm	50
	SGO20	Super (Quick-fit) Open Grommet	ø 20mm	100
	SGO25		ø 25mm	100
	SGO32		ø 32mm	50
			Panel Thickness	
	GS1	Grommet Strip Black PVC	1mm - 2mm	50M Reel
	GS2		1.5mm - 2.8mm	50M Reel
	GS3		2.7mm - 3.8mm	50M Reel
	GS4		3.7mm - 5.2mm	25M Reel
	GS5		5.3mm - 6.8mm	25M Reel
	B16	Conduit Bushes	ø 16mm	100
	B20		ø 20mm	
	B25		ø 25mm	

PVC Sleeving - Hanks

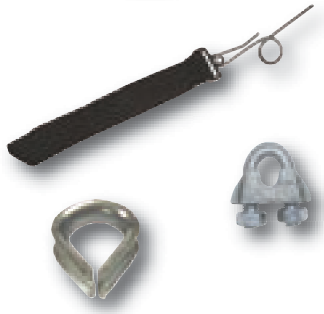
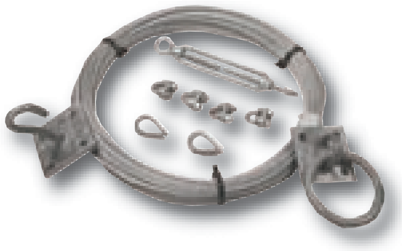
- Norslo PVC sleeving is available in a selection of colours to suit any installation

Part No	Description	Dimensions	
BLS3	PVC Sleeving 100M Hank Blue	ø 3mm	
BLS4		ø 4mm	
BLS5		ø 5mm	
BLS6		ø 6mm	
BLS8		ø 8mm	
BLS10		ø 10mm	
BLS12		ø 12mm	
BLS16		ø 16mm	
BNS3	PVC Sleeving 100M Hank Brown	ø 3mm	
BNS4		ø 4mm	
BNS5		ø 5mm	
BNS6		ø 6mm	
BNS8		ø 8mm	
BNS10		ø 10mm	
BNS16		ø 16mm	
WS3	PVC Sleeving 100M Hank White	ø 3mm	
WS4		ø 4mm	
WS6		ø 6mm	
BS2	PVC Sleeving 100M Hank Black	ø 2mm	
BS3		ø 3mm	
BS4		ø 4mm	
BS5		ø 5mm	
BS6		ø 6mm	
BS8		ø 8mm	
BS10		ø 10mm	
ES1	PVC Sleeving 100M Hank Green/Yellow	ø 1mm - 1.5mm	
ES2		ø 2mm	
ES3		ø 3mm	
ES4		ø 4mm	
ES5		ø 5mm	
ES6		ø 6mm	
ES8		ø 8mm	
ES10		ø 10mm	
ES12		ø 12mm	
ES16		ø 16mm	
GRS3	PVC Sleeving 100M Hank Grey	ø 3mm	
GRS4		ø 4mm	
GRS6		ø 6mm	
GRS10		ø 10mm	

PVC Sleeving - Reels

	Part No	Description	Dimensions
	BLS3-R **BLS4-R**	PVC Sleeving 100M Reel Blue	ø 3mm ø 4mm
	**BNS3-R** **BNS4-R**	PVC Sleeving 100M Reel Brown	ø 3mm ø 4mm
	ES2-R **ES3-R** **ES4-R**	PVC Sleeving 100M Reel Green/Yellow	ø 2mm ø 3mm ø 4mm
	GRS3-R **GRS4-R**	PVC Sleeving 100M Reel Grey	ø 3mm ø 4mm

Catenary Fixings

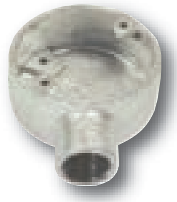
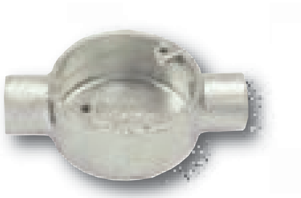
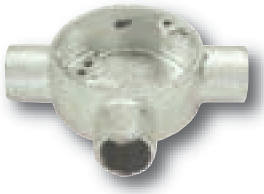
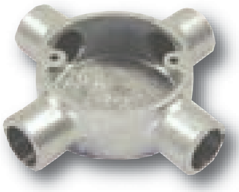
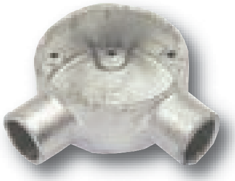
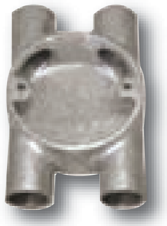
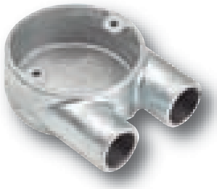
Part No	Description	Dimensions	Pk Qty	
CW30 **CW50** **CW100**	Catenary Wire 3mm 600Kg breaking strain	30M 50M 100M	1 1 1	
CWN **CWT** **WRP** **WHP** **CWE** **CWG** **GA3**	Nylon Cable Suspender 4" Strainer / Tensioner Ring Plate Hook Plate Eye Grip Gripple 2 - 3mm	-	1 1 1 1 25 1 10	
CWK30	Catenary Wire Kit Includes - 3mm x 30M wire, 4 x CWG, 2 x CWE, 1 x CWT, 1 x WRP and 1 x WHP	-	1	

Malleable Conduit Accessories

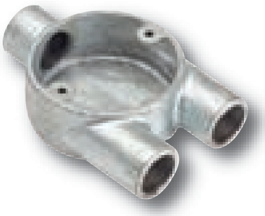
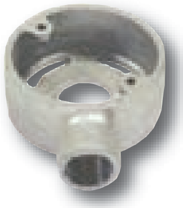
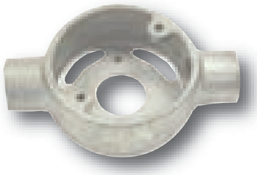
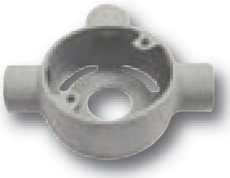
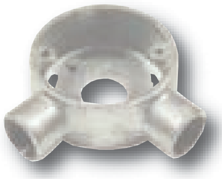
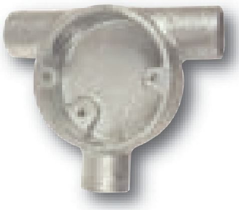
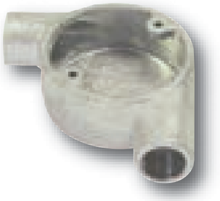
- Available in galvanised steel or black enamel

Technical Data

Conforms to BS EN 50086

	Part No	Part No	Description	Thread ø	Pk Qty
	BLACK	***GALV***			
	20B1 25B1	20G1 25G1	Terminal Box	ø 20mm ø 25mm	10
	20B2 25B2	20G2 25G2	Through Box	ø 20mm ø 25mm	
	20B3 25B3	20G3 25G3	Tee Box	ø 20mm ø 25mm	
	20B4 -	20G4 25G4	Intersection Box	ø 20mm ø 25mm	
	20B5 25B5	20G5 25G5	Angle Box	ø 20mm ø 25mm	
	-	20GH	H Box	ø 20mm	
	20BU 25BU	20GU 25GU	U Box	ø 20mm ø 25mm	

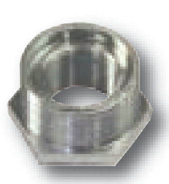
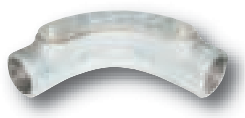
Malleable Conduit Accessories

Part No	Part No	Description	Thread ø	Pk Qty	
BLACK	***GALV***				
20BY **25BY**	**20GY** **25GY**	Y Box	ø 20mm ø 25mm	10	
B20B1E	**B20G1E**	Terminal Extension Box	ø 20mm		
-	**B20G2E**	Through Extension Box	ø 20mm		
-	**B20G3E**	Tee Extension Box	ø 20mm		
-	**B20G5E**	Angle Extension Box	ø 20mm		
B20BT3	**B20GT3**	Tee Tangent Box	ø 20mm		
-	**B20GT5**	Angle Tangent Box	ø 20mm		

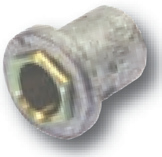
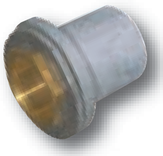
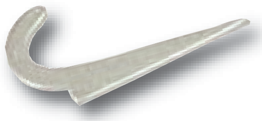
Malleable Conduit Accessories

	Part No	Part No	Description	Thread ø	Pk Qty
	BLACK	***GALV***			
	B20BBO	**B20GBO**	Back Outlet Box	ø 20mm	10
	-	**B20G3BO**	Tee Back Outlet Box	ø 20mm	
	B20B1BO	**B20G1BO**	Terminal Back Outlet box	ø 20mm	
	-	**B20G2BO**	Through Back Outlet Box	ø 20mm	
			Loop-In Box		
	1BLB	**1GLB**	1 hole	Ø 20mm	10
	2BLB	**2GLB**	2 hole		10
	-	**3GLB**	3 hole		10
	4BLB	**4GLB**	4 hole		20
	-	**10GER**	Extension Rings	ø 10mm	50
	-	**13GER**		ø 13mm	50
	16BER	**16GER**		ø 16mm	50
	20BER	**20GER**		ø 20mm	20
	25BER	**25GER**		ø 25mm	20
	-	**32GER**		ø 32mm	20
	-	**40GER**		ø 40mm	10
	50BER	**50GER**		ø 50mm	10

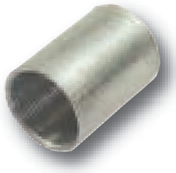
Malleable Conduit Accessories

Part No	Part No	Description	Thread ø	Pk Qty	
BLACK	***GALV***				
-	**20MGA**	Adaptor 20mm Male x 3/4" Female	ø 20mm	100	
-	**34MGA**	Adaptor 3/4" Male x 20mm Female	ø 20mm	25	
2016BR	**2016GR**	Reducers	ø 20 - 16mm	100	
2520BR	**2520GR**		ø 25 - 20mm	50	
-	**3220GR**		ø 32 - 20mm	25	
-	**3225GR**		ø 32 - 25mm	25	
-	**420GR**		ø 1.5" - 20mm	20	
-	**425GR**		ø 1.5" - 25mm	20	
-	**432GR**		ø 1.5" - 32mm	20	
-	**525GR**		ø 2" - 25mm	10	
-	**532GR**		ø 2" - 32mm	10	
-	**54GR**		ø 2" - 1.5"	10	
-	**20GSB**	Solid Bend	ø 20mm	1	
25BSB	**25GSB**		ø 25mm		
20BIB	**20GIB**	Inspection Bends	ø 20mm		
25BIB	**25GIB**		ø 25mm		

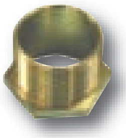
Malleable Conduit Accessories

	Part No	Part No	Description	Dimensions	Pk Qty
	BLACK -	***GALV*** 20GEC	Earth Coupler	**Thread** ø 20mm	50
	20BFC -	20GFC 25GFC	Flanged Couplers (Malleable)	**Thread** ø 20mm ø 25mm	50 20
	- -	20GFCS 25GFCS	Flanged Couplers (Steel)	**Thread** ø 20mm ø 25mm	25
	***BLACK*** 20BFCR 25BFCR	***GALV*** 20GFCR 25GFCR	Flat Crampets	**Conduit size** ø 20mm ø 25mm	100
	BLACK - - -	***BRASS*** 16TRS 20TRS 25TRS	Glands Brass TRS stuffing	**Thread** ø 16mm ø 20mm ø 25mm	100 100 50
	BLACK 20BMH -	***GALV*** 20GMH 20GMHNM	Male Hooks (Malleable) Male Hooks (Non-malleable)	**Thread** ø 20mm ø 20mm	25

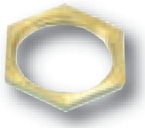
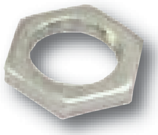
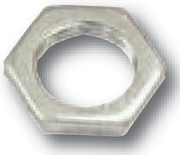
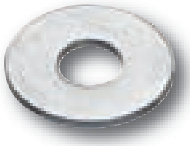
Malleable Conduit Accessories

Part No	Part No	Description	Thread ø	Pk Qty	
BLACK	***GALV***				
20BBS	**20GBS**	Ball & Socket	ø 20mm	20	
BLPC	**GLPC**	Recessed Covers Light Gauge	Suitable for ø 20mm & ø 25mm	100	
BLPCF	**GLPCF**	Flat Covers Light Gauge	Suitable for ø 20mm & ø 25mm		
20BDC **-**	**20GDC** **25GDCM**	Dome Covers	ø 20mm ø 25mm	50 20	
BHP	**GHP**	Hook Plates Load rating: 25Kg	Suitable for ø 20mm & ø 25mm	25	
CRG	**-**	Cover Gasket Circular Rubber	Suitable for ø 20mm & ø 25mm	100	
20BC **25BC** **32BC** **4BC** **5BC**	**20GC** **25GC** **32GC** **4GC** **5GC**	Plain Couplers	ø 20mm ø 25mm ø 32mm ø 1.5" ø 2"	100 50 40 30 10	

Malleable Conduit Accessories

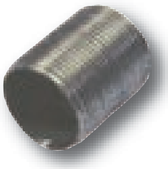
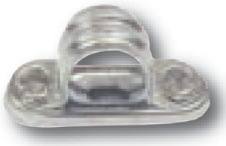
	Part No	Part No	Description	Thread ø	Pk Qty
	BLACK **20BSE** **-**	***GALV*** **20GSE** **25GSE**	Solid Elbows	ø 20mm ø 25mm	20 10
	20BIE **25BIE**	**20GIE** **25GIE**	Inspection Elbows	ø 20mm ø 25mm	20 10
	-	**20GST**	Solid Tees	ø 20mm	20
	20BIT **-**	**20GIT** **25GIT**	Inspection Tees	ø 20mm ø 25mm	20 10
	-	***BRASS*** **16FBB** **20FBB** **25FBB** **32FBB** **4FBB** **5FBB**	Female Brass Bushes	ø 16mm ø 20mm ø 25mm ø 32mm ø 1.5" ø 2"	100 100 100 100 50 25
	**-**	**20MBBL** **25MBBL** **32MBBL** **4MBBL** **5MBBL**	Male Long Brass Bushes	ø 20mm ø 25mm ø 32mm ø 1.5" ø 2"	100 100 50 20 10
	-	**16MBBS** **20MBBS** **25MBBS** **32MBBS** **4MBBS** **5MBBS**	Male Short Brass Bushes	ø 16mm ø 20mm ø 25mm ø 32mm ø 1.5" ø 2"	100 100 100 100 50 25

Malleable Conduit Accessories

Part No	Part No	Description	Dimensions	Pk Qty	
BRASS			**Thread**		
20BRLN	-	Brass Locknuts	ø 20mm	100	
25BRLN	-		ø 25mm	100	
32BRLN	-		ø 32mm	50	
	GALV		**Thread**		
-	20GHN	Steel Heavy Gauge Locknuts	ø 20mm	100	
	25GHN		ø 25mm		
BLACK	***GALV***		**Thread**		
16BLN	16GLN	Steel Light Gauge Locknuts	ø 16mm	100	
20BLN	20GLN		ø 20mm	100	
25BLN	25GLN		ø 25mm	100	
32BLN	32GLN		ø 32mm	100	
-	40GLN		ø 40mm	50	
-	50GLN		ø 50mm	50	
-	4GLN		ø 1.5”	50	
5BLN	5GLN		ø 2”	50	
BZP			**Thread**		
20SCW	-	Serrated Washer Bright Zinc Plated	ø 20mm	250	
25SCW	-		ø 25mm	200	
BZP					
M1025PW	-	Penny Washers Zinc Plated	M10 x 25mm	100	
M1030PW	-		M10 x 30mm		
M620PW	-		M6 x 20mm		
M625PW	-		M6 x 25mm		
M820PW	-		M8 x 20mm		
M825PW	-		M8 x 25mm		

BZP = Bright Zinc Plated

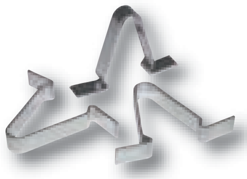
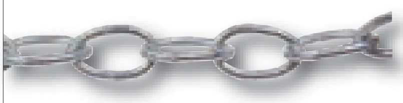
Malleable Conduit Accessories

	Part No	Part No	Description	Dimensions	Pk Qty
	BZP	***SC***	Milled Edge Lockrings	**Thread ø**	
	20PME	20SCME		ø 20mm	100
	25PME	25SCME		ø 25mm	100
	32PME	32SCME		ø 32mm	50
	4PME	4SCME		ø 1.5"	50
	5PME	5SCME		ø 2"	50
	BRASS		Slotted Plugs Brass	**Thread ø**	
	20BRSP	-		ø 20mm	100
	25BRSP	-		ø 25mm	
	***BZP***	***SC***	Nipples	**Thread ø**	
	20PN	20SCN		ø 20mm	100
	25PN	25SCN		ø 25mm	100
	-	32SCN		ø 32mm	50
			Bonding Nipples ***(Die Cast Zinc Alloy)***	**Thread ø**	
	20BN	-		ø 20mm	50
	BLACK	***GALV***	Hexagonal Plugs	**Thread ø**	
	-	-		ø 20mm	100
	-	20GHP		ø 20mm	50
	-	25GHP		ø 25mm	50
	BLACK	***GALV***	Plain Saddles (Pressed Steel)	**For conduit of**	
	20BPS	20GPS		ø 20mm	100
	-	25GPS		ø 25mm	
	-	32GPS		ø 32mm	
	***BLACK***	***GALV***	Spacer Bar Saddles (Pressed Steel)	**For conduit of**	
	20BSBS	20GSBS		ø 20mm	100
	25BSBS	25GSBS		ø 25mm	100
	-	32GSBS		ø 32mm	50

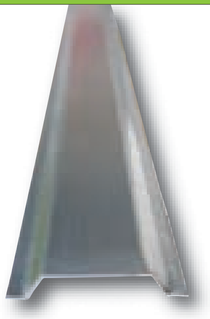
BZP = bright zinc plated

SC = self coloured

Malleable Conduit Accessories

Part No	Part No	Description	Dimensions	Pk Qty	
BLACK	**GALV**				
20BDS	**20GDS**	Distance Saddles (Malleable)	ø 20mm	50	
25BDS	**25GDS**		ø 25mm	50	
32BDS	**32GDS**		ø 32mm	25	
BLACK	**GALV**				
20BHS	-	Hospital Saddles (Malleable)	ø 20mm	50	
-	-		ø 25mm	50	
-	**20GHS**		ø 20mm	25	
-	**25GHS**		ø 25mm	25	
	GALV				
-	**SUSCLIP**	Light Suspension Clip	-	100	
BLACK	**GALV**				
BJC	**GJC**	Jack Chain 10M Hank Max working load 7.5Kg	No 10	1 x 10M Hank	
BLACK	**GALV**				
8BJC	**8GJC**	Jack Chain 10M Hank Max working load 15Kg	No 8	1 x 10M Hank	
BLACK	**GALV**				
SBJC	**SGJC**	Jack Chain 10M Hank Max working load 40Kg	No 10	1 x 10M Hank	

Steel Channel

	Part No	Description	Dimensions	Pk Qty
	**GC12** **GC25** **GC37** **GC50** **GC63**	Galvanised Steel Channel in 2M lengths Gauge 0.40mm	W12mm W25mm W37mm W48mm W63mm	50L 50L 50L 25L 25L

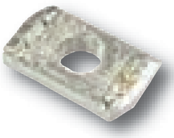
Safeplate

- Galvanised 16 SWG Steel
- One piece assembly
- Easy and quick to fit
- Assists with compliance to IET regulations

	Part No	Description	Dimensions	Pk Qty
	SP1	Safeplate	50 x 76mm	100

Spring / Channel Nuts

- Made from plated mild steel

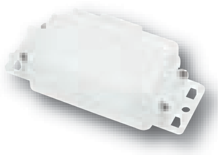
	Part No	Description	Thread ø	Pk Qty
	**ZM6N** **ZM8N** **ZM10N** **ZM12N**	Spring Nuts / Channel Nuts 'Zebedees' No Springs	ø 6mm ø 8mm ø 10mm ø 12mm	100
	ZM6S **ZM8S** **ZM10S** **ZM12S**	Spring Nuts / Channel Nuts 'Zebedees' Short Springs	ø 6mm ø 8mm ø 10mm ø 12mm	
	ZM6L **ZM8L** **ZM10L** **ZM12L**	Spring Nuts / Channel Nuts 'Zebedees' Long Springs	ø 6mm ø 8mm ø 10mm ø 12mm	

Connection Boxes

- For 2A - 30A terminal strips
- Complete with fixing screws
- External (visible) fixing points for screws or cable ties (A type)
- Reversible cable clamps for wide range of cable sizes (A type)
- Cable clamps external to enclosure (A type)
- One piece base / lid, snap close / quick release
- Additional / optional security screws
- Registered Design

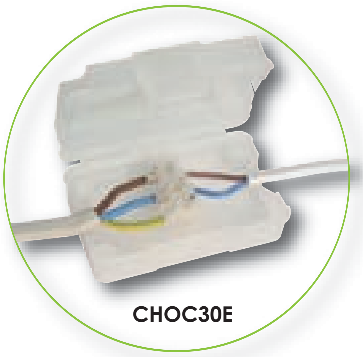
Technical Data

IP Rating	IP20
Conforms to	cable retention and glow wire EN 60598-1 and BS 4533-1990

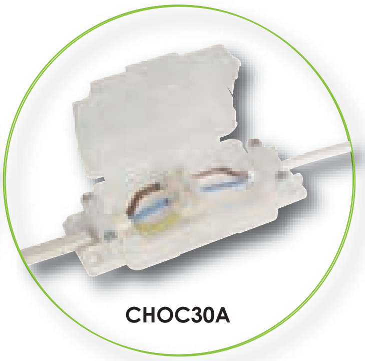
Part No	Description	Overall Dimensions	Pk Qty	
CHOC30A	Connection Box (with cable clamps) Complete with free POS display - shown below	H28 x W110 x D49mm (Including clamps)	50	
CHOC30A-10	Connection Box with cable clamps (In poly bag)	H28 x W110 x D49mm (Including clamps)	10	
CHOC30E	Connection Box Economy (without cable clamps)	H27 x W77 x D49mm	50	

CONNECTION BOX

CHOC30A - Complete with free POS display



CHOC30E



CHOC30A

PVC Enclosures

- With stepped 23mm cable grommets
- Medium heat resistant polymer 75°C

Technical Data

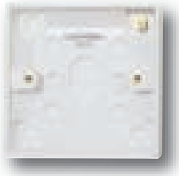
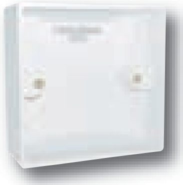
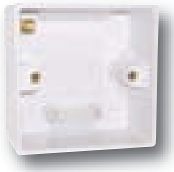
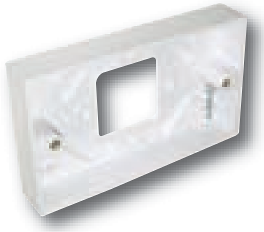
Conforms to IEC 60670-1, IEC 60670-22

	Part No	Description	Dimensions	Pk Qty
	PJ6535K **PJ8040K**	IP44 Weatherproof rating Circular Plastic Junction Box with knockouts & press on lid	Ø 65mm x D35mm Ø 80mm x D40mm	5
	PJ884K	IP44 Weatherproof rating Square Plastic Junction Box with knockouts & press on lid	H80 x W80 x D40mm	
	PJ10105K **PJ1285K** **PJ15117K** **PJ19147K**	IP44 Weatherproof rating Plastic Junction Box with knockouts & screw on lid	H100 x W100 x D50mm H80 x W120 x D50mm H110 x W150 x D70mm H140 x W190 x D70mm	1
	PJ10105P **PJ1285P** **PJ15117P** **PJ19147P** **PJ24199P** **PJ302212P** **PJ383012P** **PJ463812P**	IP56 Weatherproof rating Plastic Junction Box with smooth walls & screw on lid	H100 x W100 x D50mm H80 x W120 x D50mm H110 x W150 x D70mm H140 x W190 x D70mm H190 x W240 x D90mm H220 x W300 x D120mm H380 x W300 x D120mm H380 x W460 x D120mm	

Installation Boxes / Pattresses

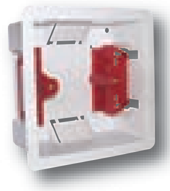
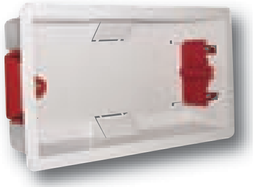
Suitable for surface mount applications

- Square corners
- Made from urea

Part No	Description	K/O Dimensions	K/O Qty	Pk Qty	
GB2628	1 Gang, 16mm deep	ten K/O at H13 x W13mm one K/O at H25 x W20mm	10	10	
GB2627	1 Gang, 32mm deep	ten K/O at H13 x W10mm one K/O at H25 x W20mm			
GB2667	1 Gang, 45mm deep c/w earth terminal	three K/O at H13 x W10mm two K/O at H25 x W20mm	4		
GB2629	2 Gang, 32mm deep	eleven K/O at H13 x W13mm one K/O at H25 x W20mm	11		
GB2592	1 to 2 Gang Converter Converts a single gang pattress to a double gang	N/A	1		

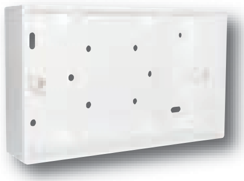
Dry Lining Boxes

- Suitable for use in cavity walls 16 - 30mm deep
- Made from polycarbonate

	Part No	Description	Max Wall Plasterboard Thickness	K/O Dimensions	K/O Qty	Pk Qty
	**DL1**	1 Gang 33mm deep	16mm	H25 x W20mm	2	10
	**DL2**	2 Gang 33mm deep		H25 x W15mm		
	DL147	1 Gang 47mm deep	30mm	H25 x W15mm ø H25mm ø H20mm	2 1 1	20
	DL247	2 Gang 47mm deep		H25 x W15mm ø 25mm ø 20mm	2 1 1	10
	DLC	1 Gang Circular 32mm deep 59mm inner dimension 62mm outer dimension	20mm	ø 20mm	2	
	DLD	Dual Box 34mm deep		H25 x W15mm ø 25mm	6 2	

Surface Boxes

Suitable for surface mount applications
- Round or square corners
- Made from polycarbonate

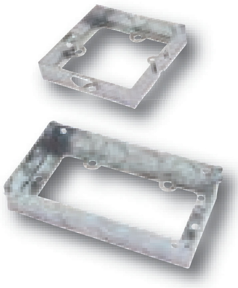
Part No	Description	Mini Trunking K/O Dimensions & Qty	ø20mm Conduit K/O Qty	Pk Qty	
RC1	1 Gang, 32mm deep Round corners	H25 x W15mm Qty 1	1	20	
RC2	2 Gang, 32mm deep Round corners	H25 x W15mm Qty 3	3	10	
SC1	1 Gang, 32mm deep Square corners	H25 x W15mm Qty 1	1	20	
SC2	2 Gang, 32mm deep Square corners	H25 x W15mm Qty 3	3	10	

Switch & Socket Boxes

- Suitable for use with flush mounted accessories
- Manufactured from 1mm pre galvanised sheet steel
- Integral brass earth point
- Floating lug for ease of installation (not DB, DB25 & ARCH)

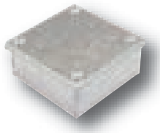
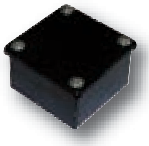
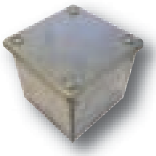
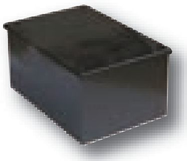
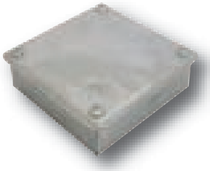
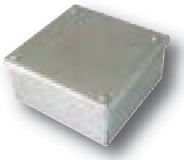
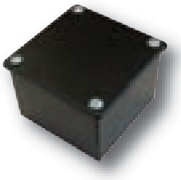
Technical Data

Conforms to BS 4662

	Part No	Description	Gang	Depth	K/O Dim	K/O Qty	Pk Qty
	116 **125** **135** **147** **225** **235**	Switch & Socket Boxes	1 gang 1 gang 1 gang 1 gang 2 gang 2 gang	16mm 25mm 35mm 47mm 25mm 35mm	L25 x W8mm ø 20mm ø 20mm ø 20mm & ø 25mm 20mm ø 20mm & ø 25mm	4 12 12 8 & 3 16 13 & 3	20 10 10 10 5 5
	247 **DB** **DB25** **ARCH**	Shaver Box Dual Box Dual Box Architrave	2 gang 2 gang 2 gang -	47mm 35mm 25mm 25mm	ø 20mm & ø 25mm ø 20mm ø 20mm ø 16mm	10 & 6 16 16 3	5 5 5 20
	DB3512	Switch & Socket Box Steel Dual	1 gang & 2 gang	35mm	ø 20mm	19	5
	**116EB** **125EB** **135EB** **216EB** **225EB** **235EB**	Extension Boxes	1 gang 1 gang 1 gang 2 gang 2 gang 2 gang	16mm 25mm 35mm 16mm 25mm 35mm	L25 x W10mm & L20 x W8mm ø 20mm ø 20mm L25 x W10mm ø 20mm ø 20mm & ø 25mm	2 & 1 8 8 6 12 9 & 3	20 10 10 10 5 5

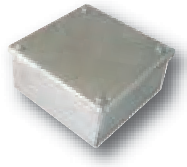
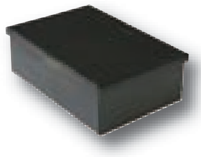
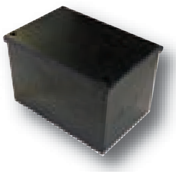
Adaptable Boxes

- Available in galvanised steel or black enamel

Part No	Part No	Dimensions	K/O/Plain	Pk Qty	
BLACK **3311/2BK** **3311/2BP**	***GALV*** **3311/2GK** **3311/2GP**	H3 x W3 x D1.5" / H75 x W75 x D38mm	K/O Plain	10	
332BK **332BP**	**332GK** **332GP**	H3 x W3 x D2" / H75 x W75 x D50mm	K/O Plain		
333BK **333BP**	**333GK** **333GP**	H3 x W3 x D3" / H75 x W75 x D75mm	K/O Plain	5	
432BK **-**	**432GK** **432GP**	H4 x W3 x D2" / H100 x W75 x D50mm	K/O Plain		
4411/2BK **4411/2BP**	**4411/2GK** **4411/2GP**	H4 x W4 x D1.5" / H100 x W100 x D38mm	K/O Plain		
442BK **442BP**	**442GK** **442GP**	H4 x W4 x D2" / H100 x W100 x D50mm	K/O Plain		
443BK **443BP**	**443GK** **443GP**	H4 x W4 x D3" / H100 x W100 x D75mm	K/O Plain		

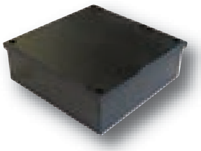
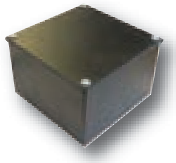
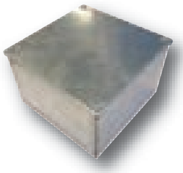
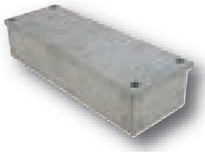
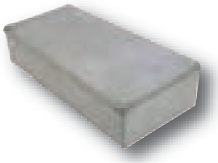
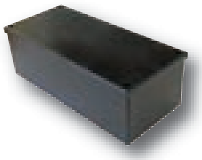
Adaptable Boxes

- Available in galvanised steel or black enamel

	Part No	Part No	Dimensions	K/O/Plain	Pk Qty
	BLACK	***GALV***			
	- 444BP	444GK 444GP	H4 x W4 x D4" / H100 x W100 x D100mm	K/O Plain	2
	632BK 632BP	632GK 632GP	H6 x W3 x D2" / H150 x W75 x D50mm	K/O Plain	5
	633BK -	633GK 633GP	H6 x W3 x D3" / H150 x W75 x D75mm	K/O Plain	
	642BK 642BP	642GK 642GP	H6 x W4 x D2" / H150 x W100 x D50mm	K/O Plain	
	643BK 643BP	643GK 643GP	H6 x W4 x D3" / H150 x W100 x D75mm	K/O Plain	
	644BK -	644GK 644GP	H6 x W4 x D4" / H150 x W100 x D100mm	K/O Plain	2
	6611/2BK -	6611/2GK 6611/2GP	H6 x W6 x D1.5" / H150 x W150 x D38mm	K/O Plain	5

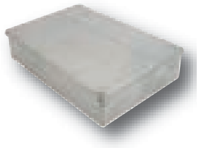
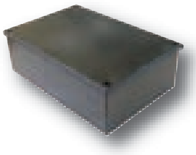
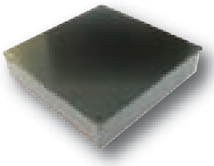
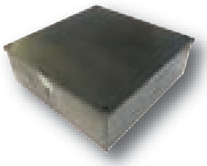
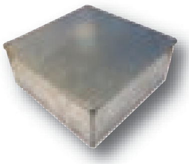
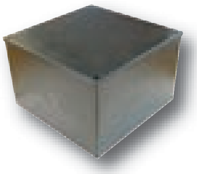
Adaptable Boxes

- Available in galvanised steel or black enamel

Part No	Part No	Dimensions	K/O/Plain	Pk Qty	
BLACK **662BK** **662BP**	***GALV*** **662GK** **662GP**	H6 x W6 x D2" / H150 x W150 x D50mm	K/O Plain	6	
663BK **663BP**	**663GK** **663GP**	H6 x W6 x D3" / H150 x W150 x D75mm	K/O Plain	5	
664BK **664BP**	**664GK** **664GP**	H6 x W6 x D4" / H150 x W150 x D100mm	K/O Plain	BLK x 2 GALV x 3 BLK x 2 GALV x 3	
666BK **666BP**	**666GK** **666GP**	H6 x W6 x D6" / H150 x W150 x D150mm	K/O Plain	2	
- -	**932GK** **932GP**	H9 x W3 x D2" / H225 x W75 x D50mm	K/O Plain	1	
- -	**942GK** **942GP**	H9 x W4 x D2" / H225 x W100 x D50mm	K/O Plain	1	
- **943BP**	**943GK** **943GP**	H9 x W4 x D3" / H225 x W100 x D75mm	K/O Plain	1	

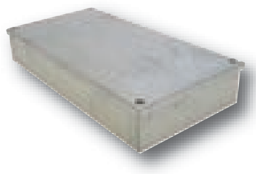
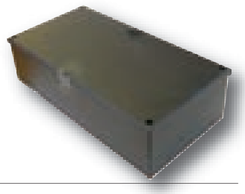
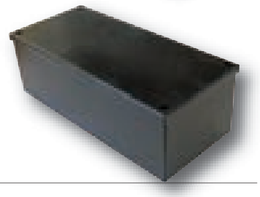
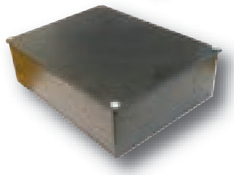
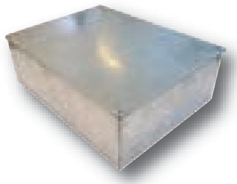
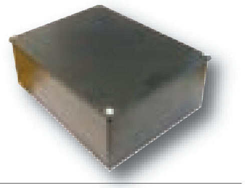
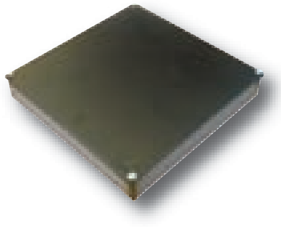
Adaptable Boxes

- Available in galvanised steel or black enamel

	Part No	Part No	Dimensions	K/O/Plain	Pk Qty
	BLACK	***GALV***			
	**962BK** **-**	**962GK** **962GP**	H9 x W6 x D2" / H225 x W150 x D50mm	K/O Plain	5
	**963BK** **963BP**	**963GK** **963GP**	H9 x W6 x D3" / H225 x W150 x D75mm	K/O Plain	
	964BK **964BP**	**964GK** **964GP**	H9 x W6 x D4" / H225 x W150 x D100mm	K/O Plain	2
	**992BK** **992BP**	**992GK** **992GP**	H9 x W9 x D2" / H225 x W225 x D50mm	K/O Plain	
	**993BK** **993BP**	**993GK** **993GP**	H9 x W9 x D3" / H225 x W225 x D75mm	K/O Plain	
	**994BK** **994BP**	**994GK** **994GP**	H9 x W9 x D4" / H225 x W225 x D100mm	K/O Plain	
	**996BK** **996BP**	**996GK** **996GP**	H9 x W9 x D6" / H225 x W225 x D150mm	K/O Plain	1

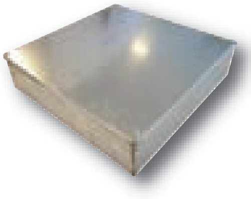
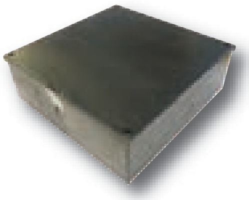
Adaptable Boxes

- Available in galvanised steel or black enamel

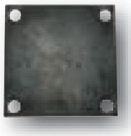
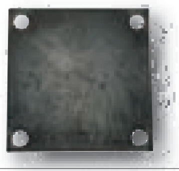
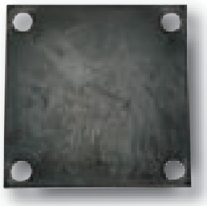
Part No	Part No	Dimensions	K/O/Plain	Pk Qty	
BLACK	***GALV***				
1262BK **-**	**1262GK** **1262GP**	H12 x W6 x D2" / H300 x W150 x D50mm	K/O Plain	1	
1263BK **1263BP**	**1263GK** **1263GP**	H12 x W6 x D3" / H300 x W150 x D75mm	K/O Plain		
1264BK **1264BP**	**1264GK** **1264GP**	H12 x W6 x D4" / H300 x W150 x D100mm	K/O Plain		
1293BK **1293BP**	**1293GK** **1293GP**	H12 x W9 x D3" / H300 x W225 x D75mm	K/O Plain		
1294BK **1294BP**	**1294GK** **1294GP**	H12 x W9 x D4" / H300 x W225 x D100mm	K/O Plain		
1296BK **1296BP**	**1296GK** **1296GP**	H12 x W9 x D6" / H300 x W225 x D150mm	K/O Plain		
12122BK **12122BP**	**12122GK** **12122GP**	H12 x W12 x D2" / H300 x W300 x D50mm	K/O Plain		

Adaptable Boxes

- Available in galvanised steel or black enamel

	Part No	Part No	Dimensions	K/O/Plain	Pk Qty
	***BLACK*** 12123BK -	***GALV*** 12123GK 12123GP	H12 x W12 x D3" / H300 x W300 x D75mm	K/O Plain	1
	12124BK 12124BP	12124GK 12124GP	H12 x W12 x D4" / H300 x W300 x D100mm	K/O Plain	
	12126BK 12126BP	12126GK 12126GP	H12 x W12 x D6" / H300 x W300 x D150mm	K/O Plain	

Rubber Gaskets

	Part No	Description	Dimensions	Pk Qty
	33RG	Rubber Gasket	H3 x W3" / H75 x W75mm	10
	44RG	Rubber Gasket	H4 x W4" / H100 x W100mm	
	66RG	Rubber Gasket	H6 x W6" / H150 x W150mm	

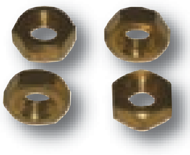
NORSLO

FIXINGS, ACCESSORIES & CONSUMABLES

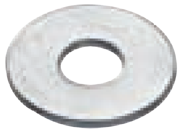
Wall & Ceiling Fixings

	Part No	Description	Product Information	Pk Qty
	51AP1 **51AP2** **51AP3**	Drill Size: 5mm Screw Size: 4 -10 Drill Size: 6mm Screw Size: 6 -10 Drill Size: 7mm Screw Size: 10 -14	Yellow Red Brown	1000
	SD100	Cavity Wall Fixings Complete with screws Self-drilling 35mm screw length	Zinc	100
	CW30 **CW50** **CW100**	Catenary Wire 3mm 600Kg breaking strain	30M 50M 100M	1
	CWN **CWT** **WRP** **WHP** **CWE** **CWG** **GA3**	Nylon Cable Suspender 4" Strainer / Tensioner Ring Plate Hook Plate Eye Grip Gripple 2 - 3mm	-	1 1 1 1 25 1 10
	CWK30	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

Nuts, Bolts & Screws

Part No	Description	Finish	Dimensions	Pk Qty	
3.5X35B **3.5X50B** **3.5X16NP** **3.5X25NP** **3.5X35NP** **3.5X50NP** **3.5X60NP** **3.5X75NP**	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	
4X6 **4X8** **4X10** **4X12** **4X16** **4X20** **4X25** **4X35** **4X40** **4X50**	Panhead Screws Brass 4mm	Brass	6mm 8mm 10mm 12mm 16mm 20mm 25mm 35mm 40mm 50mm	1000	
RB12 **RB20** **RB25** **RB35** **RB50**	Roofing Nuts & Bolts BZP M6	Bright Zinc Plated	12mm 20mm 25mm 35mm 50mm	200	
2BAN **3.5N** **4N**	Full Nuts Brass	Brass	2BA 3.5mm 4mm	500	

Nuts, Bolts & Screws

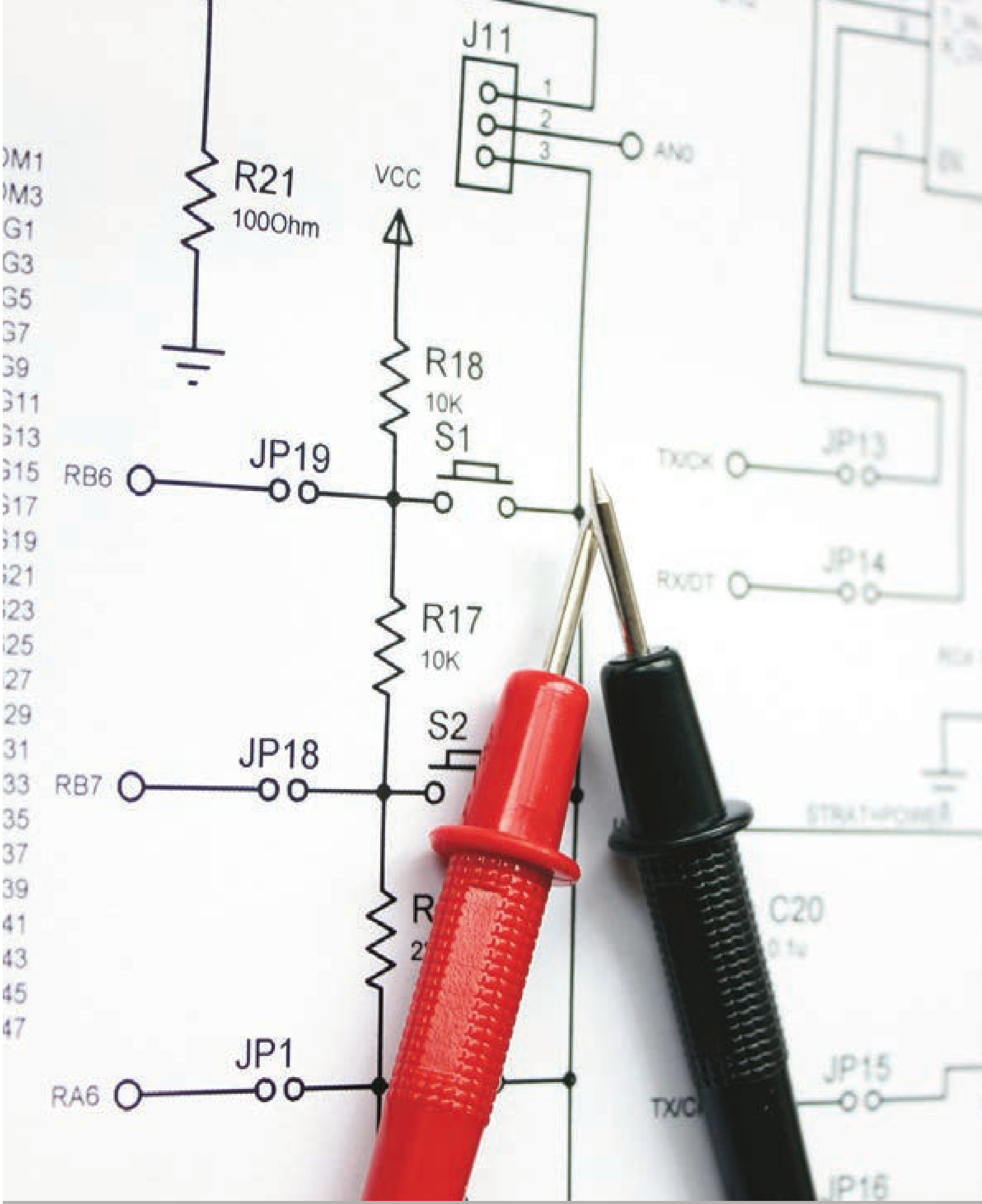
	Part No	Description	Finish	Dimensions	Pk Qty
	2BAW **4W**	Washers Brass	Brass	2BA 4mm	500
	**M1025PW** **M1030PW** **M620PW** **M625PW** **M820PW** **M825PW**	Steel Penny Washers	Zinc Plated	M10 x 25mm M10 x 30mm M6 x 20mm M6 x 25mm M8 x 20mm M8 x 25mm	100
	3/4X8PCT **1X8PCT** **1X10PCT** **11/4X8PCT** **11/4X10PCT** **11/2X8PCT** **11/2X10PCT** **2X8PCT**	Pozi-Drive Woodscrews BZP	Bright Zinc Plated	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	200
	CAP25	Capping Nail & Washer	Bright Zinc Plated	-	1000

Fuses & Solder Wire

Part No	Description	Product Information	Pk Qty	
2AF **3AF** **5AF** **7AF** **10AF** **13AF**	Cartridge Fuses with ceramic body 1" long Conforms to BS 1362	2A 3A 5A 7A 10A 13A	100	
FW5 **FW10** **FW15** **FW20** **FW30** **FW45** **FW60** **FW100**	Fuse Wire Tinned Copper Conforms to BS 4109	5A - 445.0M 10A - 150M 15A - 71.6M 20A - 48.1M 30A - 27.3M 45A - 12.0M 60A - 8.9M 100A - 4.4M	1 x 125g reel	
SK16/SAC3/1 **SK18/SAC3/2**	Solder Reel No clean, lead free, cored RoHS compliant	16 SWG 18 SWG	1 x 250g reel 1 x 500g reel	

Consumables

	Part No	Description	Pk Qty
Galvafroid	**GP400** **GP800** **SP400**	Galvafroid Paint Cold Galvanising Paint	400ml Tin 800ml Tin 400ml Spray Can
	TL	Tallow - Best Quality White	Large Tub 0.5kg
NORSLO PVCADH	**PVCADHN**	PVC Adhesive	250ml
	TR450	Cutting Compound	450g
	GB40 **GB40-15**	Aerosol Lubricant	1 x 500ml can Pack of 15 1 x 500ml cans


J11
1
2
3
AN0
R21
100Ohm
VCC
R18
10K
S1
JP19
RB6
JP13
TX/CK
JP14
RX/DT
R17
10K
S2
JP18
RB7
C20
JP1
RA6
JP15
JP16

TECHNICAL

Technical

Which is the Right Fan for Domestic Installations?

	Typical room size (m) and volume (m^3) L x W x H = Room volume	Required air changes per hour (AC)	Ventilation rate required (litre/sec) Room volume x AC ÷ 3.6	Result (litres /second)	Fan type GreenBrook recommends
Bathroom	3 x 3.5 x 2.3 = 24.15m^3	3	24.15 x 3 ÷ 3.6	20.1	All GBE Fans
Utility Room	2 x 2 x 2.3 = 9.2m^3	15	9.2 x 15 ÷ 3.6	38.3	G242
Garage	3 x 5 x 2.3 = 34.5m^3	6	43.5 x 6 ÷ 3.6	72.5	G242

What is Part P?

Electricity can be dangerous and more than a dozen people die through electrocution each year and a further 750 suffer serious injury. For this reason the Government introduced new legislation on 1st January 2005 through Part P of the Building Regulations.

Part P requires that electrical installation work must comply with BS 7671:2008 amd. 3 (The Wiring Regulations). Failure to comply with the requirement of Part P is a criminal offence. It also requires that all but the simplest of electrical installation work must either -

- be carried out by an electrician who is registered with a Part P competent person self-certification scheme.

  OR

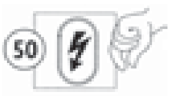
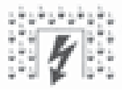
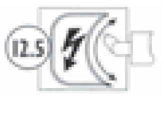
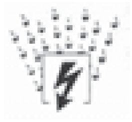
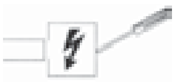
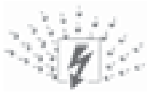
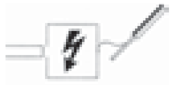
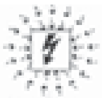
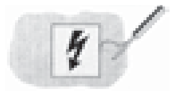
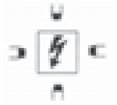
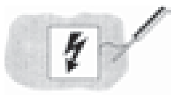
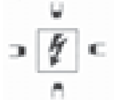
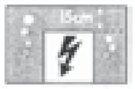
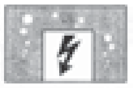
- be notified to a building control authority prior to commencement of the work and be inspected, tested and certified following completion.

Symbols and Their Meanings

CE	CE mark shows the product complies with all relevant European Standards	▽F	F mark suitable for mounting on materials that may be considered flammable	▽M ▽M	Equipment suitable for direct mounting on or in cabinets or furniture
⏚	Equipment must be earthed	▽F	Luminaire suitable for mounting in/on normally flammable surfaces where a thermal insulating material may cover the luminaire	💧	Drip proof - IPX2
🗑	Waste Electrical & Electronic Equipment	▽F	Luminaire suitable for direct mounting on non-combustible surfaces only	💧	Rain proof - IPX3
⧈	Class II Double insulated - does not require an earth	△E	Luminaire for use with high pressure sodium lamps that require an external ignitor (to the lamp)	△	Splash proof - IPX4
∼	AC only	△I	Luminaire for use with high pressure sodium lamp having an internal starting device	△△	Jet proof - IPX5
◇III	Complies with class 3 relies on SELV - Extra low voltage	◖·–·– m	Minimum distance from lighted objects (M)	💧💧	Protected against immersion in water - IPX7
⌂	Equipment for indoor use only				

Technical

IP Ratings

1st Numeral Protection against ingress of solid foreign objects . . . meaning protection of persons against access to hazardous parts with:			**2nd Numeral** Protection against harmful ingress of water.		
0 No protection		no protection provided	0 No protection		no protection provided
1 Full protection of 50mm ø sphere not allowed and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted		back of hand	1 Protected against vertically falling drops of water		vertically dripping
2 Full penetration of 12.5mm ø sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts		finger	2 Protected against vertically falling drops of water with enclosure tilted 15° from the vertical		enclosure tiled 15° from the vertical
3 The access probe of 2.5mm ø shall not penetrate		tool	3 Protected against sprays to 60° from the vertical		limited spraying
4 The access probe of 1.0mm ø shall not penetrate		wire	4 Protected against water splashed from all directions - limited ingress permitted		splashing from all directions
5 Limited ingress of dust permitted (no harmful deposit, refer to standard)		wire	5 Protected against low pressure jets of water from all directions- limited ingress permitted		hosing jets from all directions
6 Totally protected against ingress of dust		wire	6 Protected against strong jets of water- limited ingress permitted		strong hosing jets from all directions
			7 Protected against the effects of immersion between 15.0cm and 1.0m		temporary immersion
			8 Protected against longer periods of immersion under pressure		immersion

What is the RoHS Directive?

RoHS
COMPLIANT
2011/65/EU

The RoHS Directive came into force on 1st July 2006 this stands for 'Restriction of the use of Hazardous Substances, in electrical and electronic equipment'. This means electrical and electronic equipment containing more than the agreed level of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants are banned on the EU market.

It is permissible to sell products produced before 1st July 2006 without showing compliance, but product manufactured after this date will need to meet the RoHS requirements.

What is the WEEE Directive?

The WEEE Directive (Waste Electrical and Electronic Equipment) came into force in January 2007. It aims to reduce the amount of waste and get everyone to reuse and recycle.

The Directive also aims to help businesses that manufacture improve their environmental performance supply, use, recycle and recover electrical and electronic equipment.

GreenBrook meets its obligations by being a member of b2b compliance scheme.

REACH Declaration

The REACH regulations entered into force on 1st June 2007. Regarding human health, and environment, the target is to manufacture, and to use only safe substances inside the EU. All declared substances and preparations manufactured, or imported that exceed one Tonne per calendar year require testing and analysis for potential risk.

Neither our suppliers, nor GreenBrook manufacture or import substances that are currently in the scope of the REACH regulations.

Cable Management - Gland Selection Chart

Gland Selection Chart
For PVC and XLPE Armoured Cable to BS 6346 & BS 5467

Cable size mm²	No of Cores											
	1	**2**	**3**	**4**	**5**	**7**	**10**	**12**	**19**	**27**	**37**	**48**
1.5	-	-	-	20S	20S	20S	20	20	25	25	32	32
2.5	-	20S	20S	20S	20S	20	25	25	25	32	32	40
4	-	20S	20S	20	25	25	25	25	32	40	-	-
6	-	20	20	20	-	-	-	-	-	-	-	-
10	-	20	25	25	-	-	-	-	-	-	-	-
16	-	25	25	25	-	-	-	-	-	-	-	-
25	-	25	32	32	-	-	-	-	-	-	-	-
35	-	32	32	32	-	-	-	-	-	-	-	-
50	20	32	32	32	-	-	-	-	-	-	-	-
70	25	32	40	40	-	-	-	-	-	-	-	-
95	25	40	40	50	-	-	-	-	-	-	-	-
120	25	40	50	50	-	-	-	-	-	-	-	-
150	32	40	50	50	-	-	-	-	-	-	-	-
185	32	50	50	63	-	-	-	-	-	-	-	-
240	40	50	63	63	-	-	-	-	-	-	-	-
300	40	63	63	75	-	-	-	-	-	-	-	-
400	50	63	75	75	-	-	-	-	-	-	-	-

- PLEASE NOTE - Gland sizes recommended are for guidance only and are based on nominal dimensions of overall diameter, armoured diameter and the thickness of the cable's outer sheath.

Cable Management - Cable Cleats Size Chart

SIZE CHART FOR CABLE CLEATS

Nominal Conducting Area mm²		SINGLE CORE			TWIN CORE			THREE CORE			FOUR CORE		
	Conductor	Copper	Aluminium		Copper	Aluminium		Copper	Aluminium		Copper	Aluminium	
	Armour	wire	wire	strip	wire	wire	strip	wire	wire	strip	wire	wire	strip
1.5					5			5			6		
2.5					6			6			6		
4					6			7			7		
6					7			8			8		
10					8			9			9		
16					9	9	8	10	9	9	11	10	9
25 Shaped					10	9	8	10	10	9	11	11	10
25 Circular					11	10	9	12	11	10	12	12	11
35 Shaped					10	10	9	11	11	10	12	12	11
35 Circular					12	11	10	14	12	11	14	14	12
50		8	7	7	11	11	10	12	12	11	14	14	12
70		9	8	8	12	11	11	14	14	12	16	16	14
95		10	9	9	14	14	12	16	16	14	18	18	16
120		11	10	9	16			18	16	16	20	20	18
150		12	11	10	18			20	18	18		20	20
185		14	12	11	20				20	18			
240		14	14	12									
300		16	14	14									
380			16	16									
400		18											
480			18	16									
500		18											
600			18	18									
630		20											
740			20	20									
800													
960													
1000													
1200													

What is Maintained/Non-Maintained Luminaire?

Choosing Maintained or Non-Maintained Luminaires is completely the decision of the individual depending on the premises it is to be used in.

Maintained Emergency Luminaire - is a luminaire which is powered at all times, this would usually be found in places like cinemas, theatres and clubs, this then prevents complete darkness when the main lights are off or dimmed.

Non-Maintained Emergency Luminaire - is a luminaire which only comes on when the normal lighting fails, this is usually used in the workplace or shops where normal lighting is used while the premises are occupied.

Although all measures are taken to ensure all of the information in this catalogue is correct, GreenBrook Electrical take no responsibility for any errors or inaccuracies.

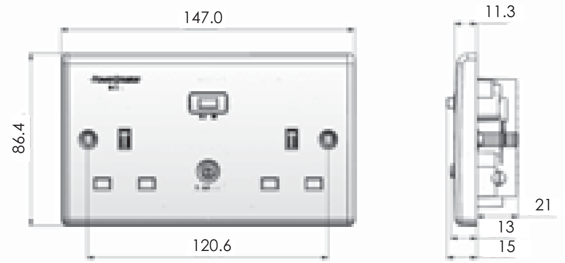
Colour Temperature

Colour Temp °K	Common Description (S)	Comments
2700	White	Giving a warm feel.
3000	Warm White	The colour of most halogen lamps. Appears slightly more ‘yellow’ than ordinary incandescent lamps.
3500	White	The standard colour for many fluorescent and compact fluorescent tubes.
4000	Cool White	Gives a more clinical light.
6000	Daylight	Fluorescent or compact fluorescent lamps simulating natural daylight.
6500	Cool Daylight	Extremely ‘white’; light used in specialist daylight lamps.

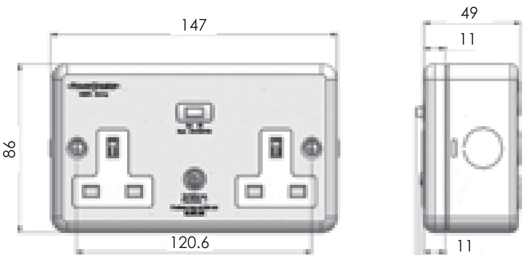
Technical Diagrams

PowerBreaker
THE FIRST SINCE 1975

PowerBreaker Residual Current Device - Unswitched - Page 8

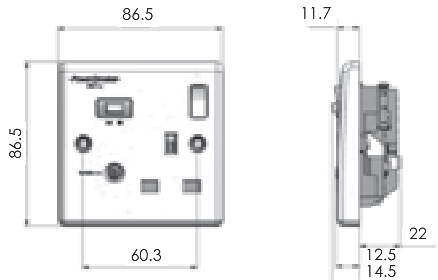

147.0
86.4
120.6
11.3
21
13
15

H22WPSA-C

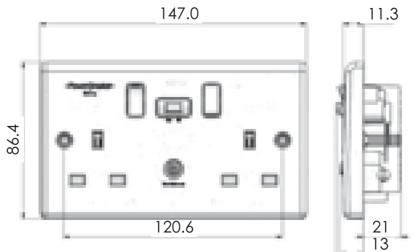

147
86
120.6
49
11
11
13
15

H22MPA-C

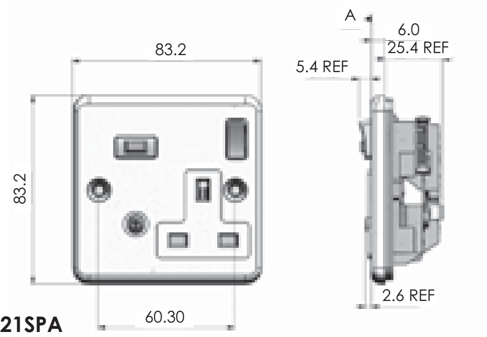
PowerBreaker Residual Current Device - Switched - Pages 9-11


86.5
86.5
60.3
11.7
22
12.5
14.5

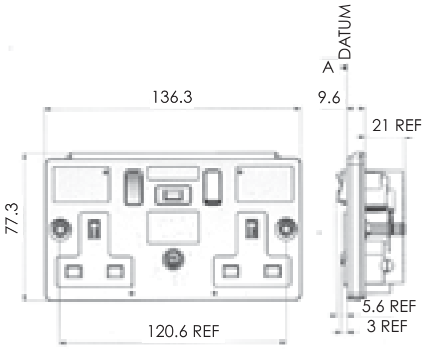
K21WPA-C


147.0
86.4
120.6
11.3
21
13
15

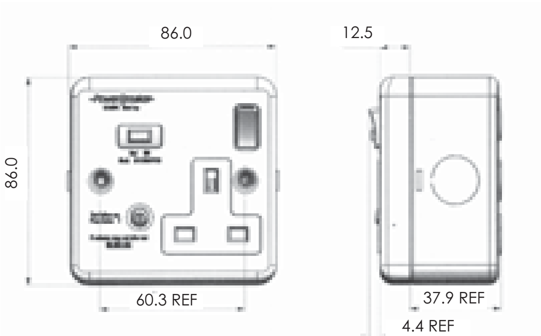
K22WPA-C


83.2
83.2
60.30
A
6.0
25.4 REF
5.4 REF
2.6 REF

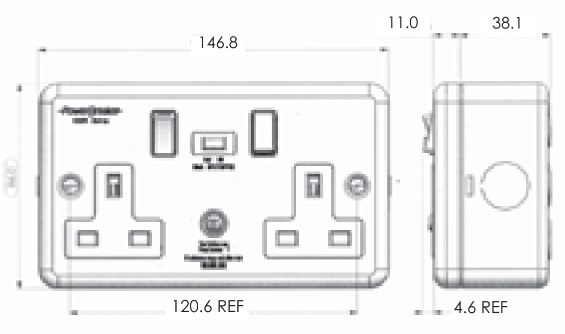
K21SPA


DATUM
A
136.3
77.3
120.6 REF
9.6
21 REF
5.6 REF
3 REF

K22SPA


86.0
86.0
60.3 REF
12.5
37.9 REF
4.4 REF

K21MPA-C

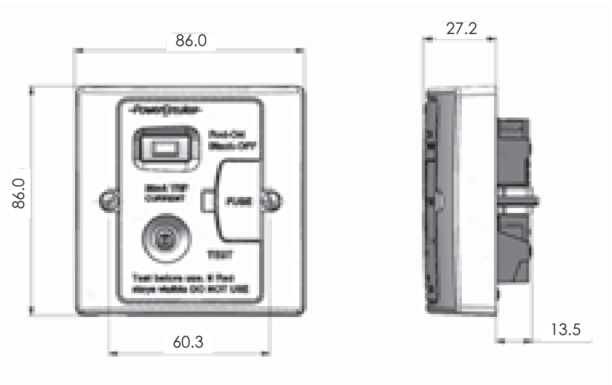

146.8
120.6 REF
11.0
38.1
4.6 REF

K22MPA-C

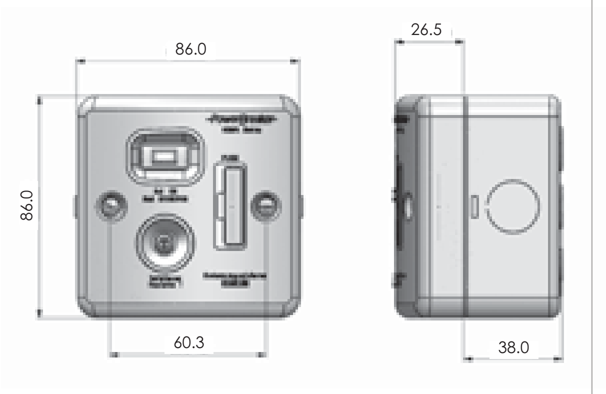
Technical Diagrams

PowerBreaker
THE FIRST SINCE 1975

PowerBreaker Residual Current Device - Spurs - Page 12

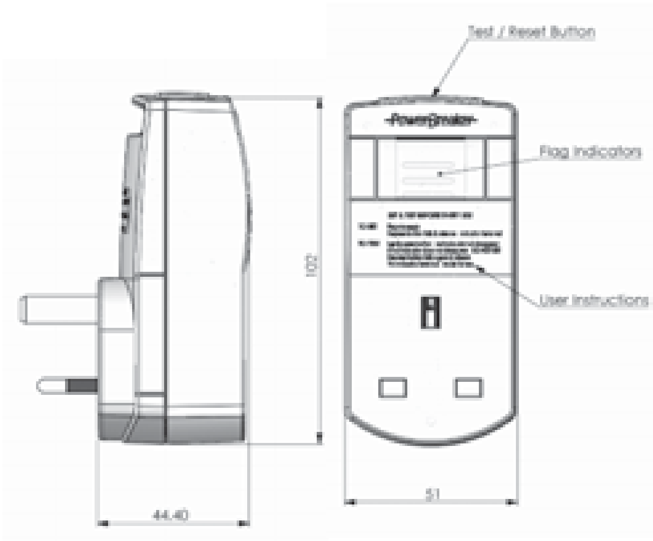

86.0
27.2
86.0
13.5
60.3

H92WPA-C

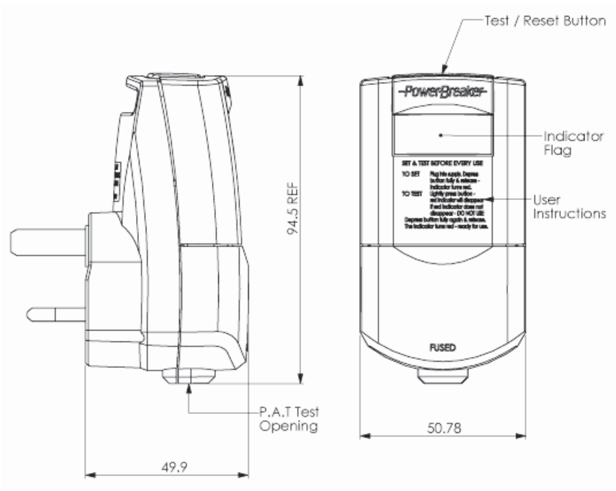

26.5
86.0
86.0
60.3
38.0

H92MPA-C

PowerBreaker Residual Current Device - Plug and Adaptor - Page 13

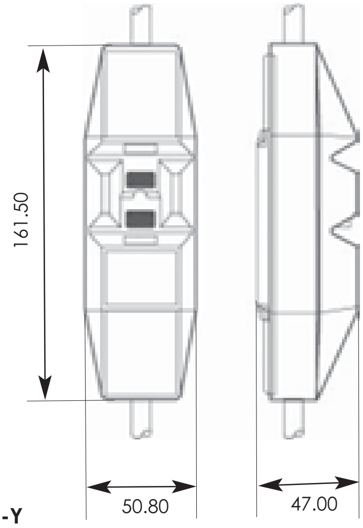

Test / Reset Button
PowerBreaker
Flag Indicators
User Instructions
102
51
44.40

J02A-C


Test / Reset Button
PowerBreaker
Indicator Flag
User Instructions
94.5 REF
FUSED
P.A.T Test Opening
50.78
49.9

J72A-C

PowerBreaker Residual Current Device - In-Line - Page 14

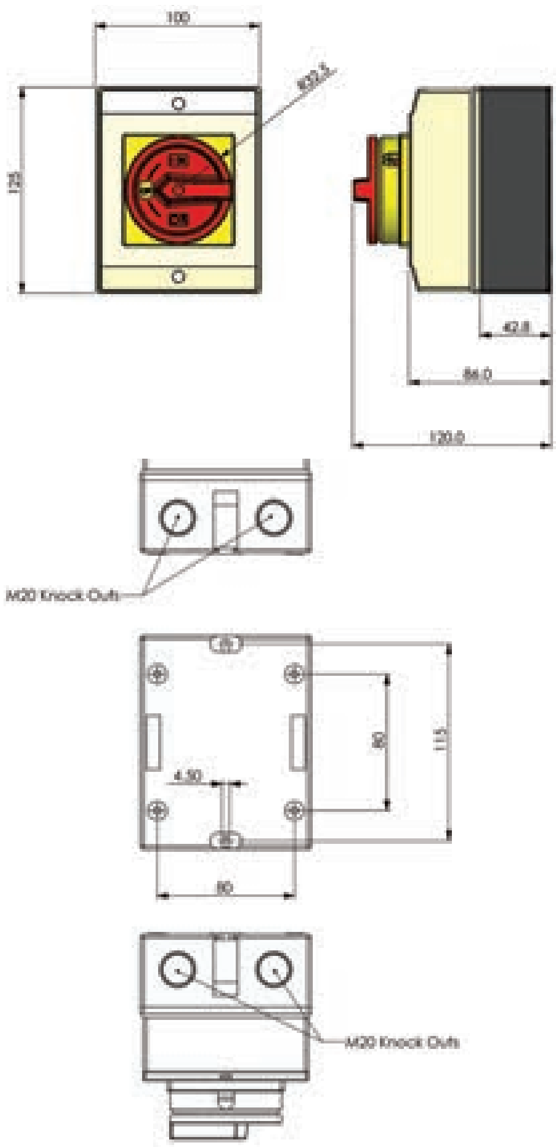

161.50
50.80
47.00

J62-T & J62-Y

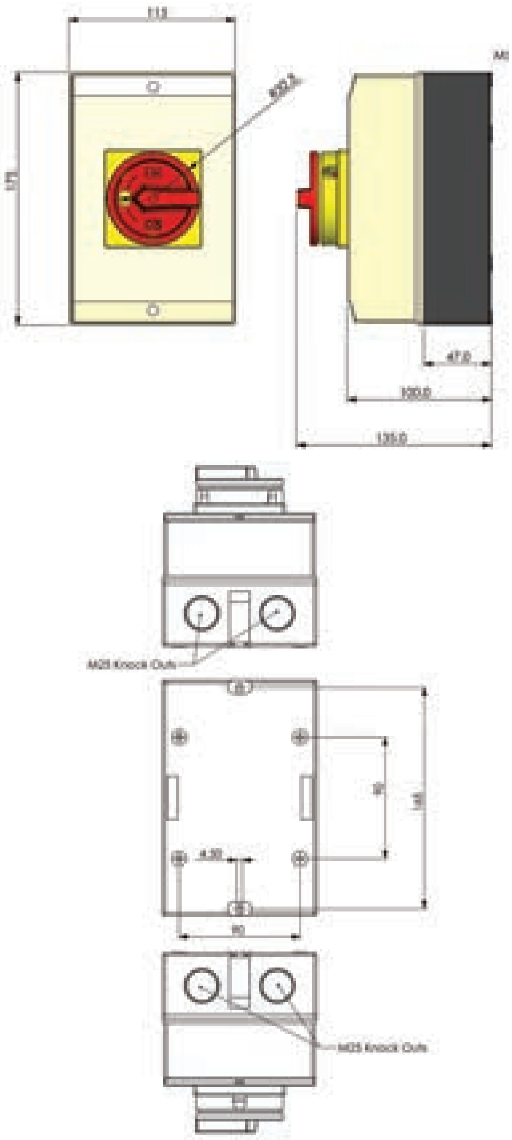
Technical Diagrams

IP65 Rotary Isolators - Page 50

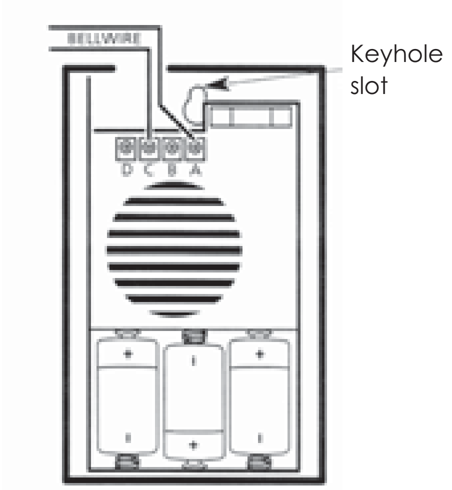
16A & 32A Technical Drawings


100
Ø32.5
125
42.8
86.0
120.0
M20 Knock Outs
80
115
4.50
80
M20 Knock Outs

63A Technical Drawings


115
Ø32.5
175
47.0
100.0
135.0
M25 Knock Outs
4.50
90
M25 Knock Outs

Wiring for normal bell push - Page 55

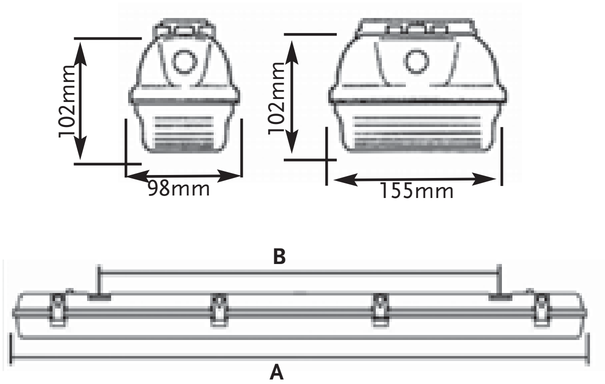

BELLWIRE
Keyhole slot
D C B A

Wiring for normal Bell Push

Technical Diagrams

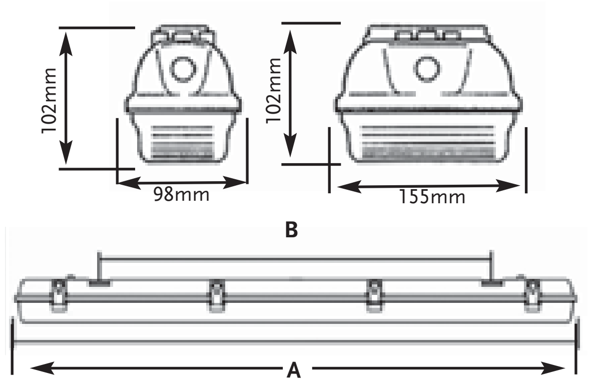
Non-Corrosive Fluorescent Luminaires - Pages 128 & 154

ACPHF118, ACPHF136, ACPHF158, ACPHF170, ACPHF218, ACPHF236, ACPHF258, ACPHF270, ACPHFLV158, ACPHFLV258



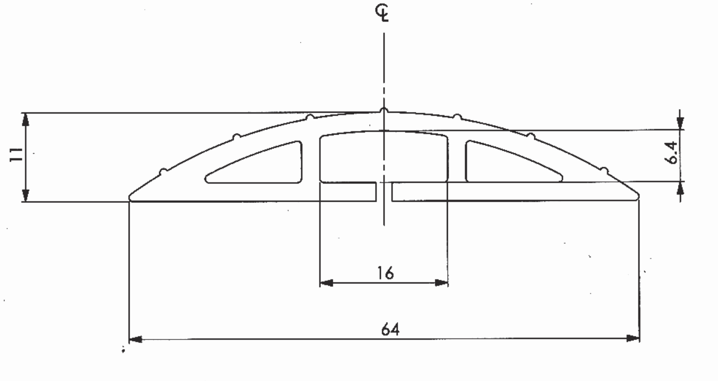
Description		Length A (mm)	Fixing Centres B (mm) Nominal	Clips Qty
18W	Single	665	475	4
18W	Twin	665	475	4
36W	Single	1,270	900	8
36W	Twin	1,270	900	8
58W	Single	1,586	965	10
58W	Twin	1,586	965	10
70W	Single	1,880	1035	12
70W	Twin	1,880	1035	12

ACPHF136EM, ACPHF158EM, ACPHF170EM, ACPHF236EM, ACPHF258EM, ACPHF270EM, ACPHFLV158EM & ACPHFLV258EM

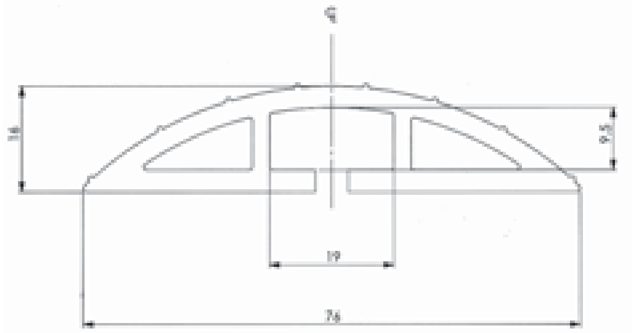


Description		Length A (mm)	Fixing Centres B (mm) Nominal	Clips Qty
36W	Single	1,270	900	8
36W	Twin	1,270	900	8
58W	Single	1,586	965	10
58W	Twin	1,586	965	10
70W	Single	1,880	1035	12
70W	Twin	1,880	1035	12

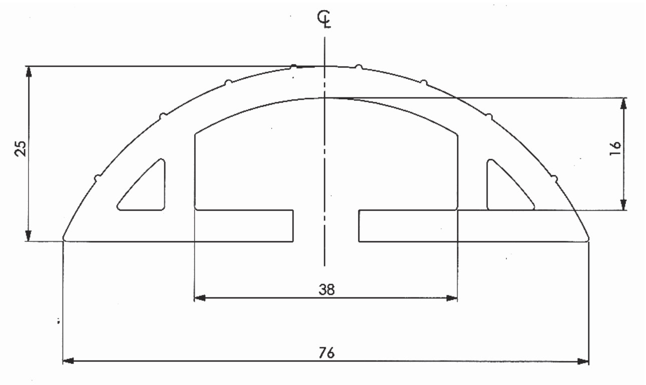
Cable Protectors - Page 229



CPS Diagram



CPM Diagram

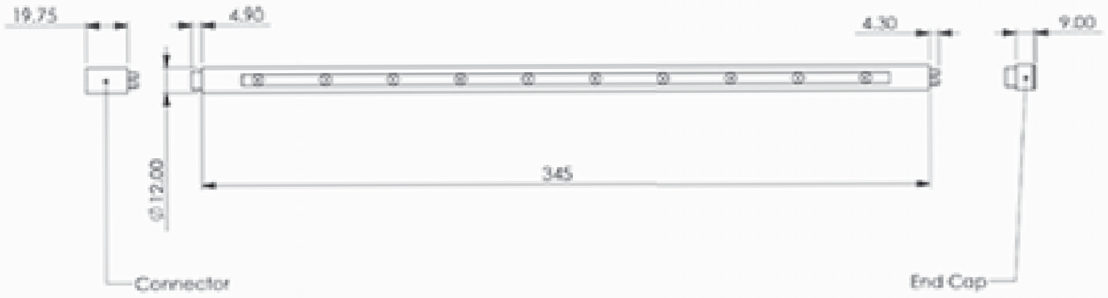


CPL Diagram

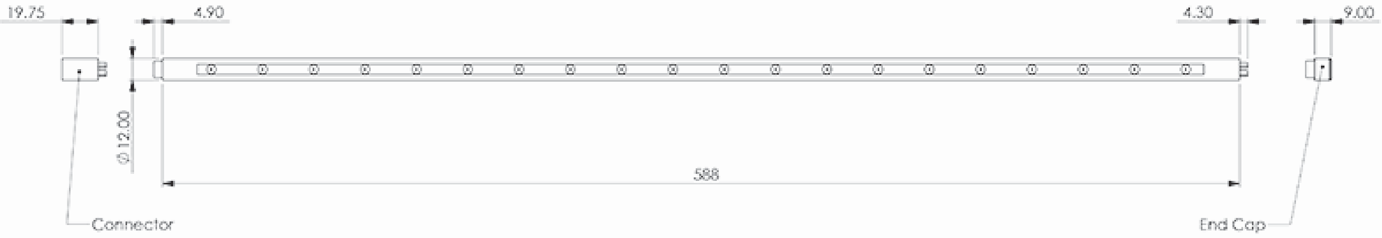
Technical Diagrams

LED Striplights - Pages 98-100

35cm LED Striplight Technical Drawings


19.75
4.90
4.30
9.00
Ø12.00
345
Connector
End Cap

60cm LED Striplight Technical Drawings


19.75
4.90
4.30
9.00
Ø12.00
588
Connector
End Cap

Material Guide

Super Rod material guide for Click & Drill Hole Saws - Page 196

HM Endura	Diamond Dry	BiMetal PLUS	Multi Purpose		
> 100 holes	-	10 - 30 holes	> 500 holes	MDF	Woods
> 100 holes	-	10 - 20 holes	> 500 holes	Plywood	
> 100 holes	-	10 - 20 holes	> 500 holes	Particle Board	
> 100 holes	-	< 10 holes	> 500 holes	Hard Wood	
-	-	-	< 50 holes	Soft Bricks	Abrasive
-	-	-	< 50 holes	Lime Bricks	
< 50 holes	-	< 50 holes	> 500 holes	Plasterboard	
-	-	< 30 holes	> 500 holes	Aerated Concrete	
-	-	< 5 holes	< 100 holes	Fermacel	
-	30 - 50 holes	-	20 - 40 holes	Ceramic Tiles	
-	10 - 30 holes	-	-	Porcelain Tiles	
-	20 - 50 holes	-	-	Granite	
-	10 - 20 holes	-	-	Mosaic	
-	10 - 30 holes	-	-	Marble	
50 - 100 holes	-	10 - 40 holes	-	Steel	Metal
50 - 100 holes	-	30 - 50 holes	-	Stainless Steel	
40 - 60 holes	-	5 - 10 holes	-	Cast Iron	
> 100 holes	-	50 - 75 holes	-	Aluminium	
> 100 holes	-	50 - 75 holes	-	Zinc	
> 100 holes	-	50 - 75 holes	-	Copper	
> 100 holes	-	50 - 75 holes	-	Messing	
< 100 holes	-	< 5 holes	> 500 holes	Trespa	Plastics
< 100 holes	-	< 10 holes	> 500 holes	Laminate (HPL)	
< 50 holes	-	-	> 100 holes	Polyester	
< 75 holes	-	< 20 holes	> 100 holes	PVC	
< 20 holes	-	-	50 - 100 holes	Fibreglass	
-	-	-	> 100 holes	Rubber	

Index by Product Type

Product Type **Page**

- 12V Controllers 82

A

- Adaptable Boxes 251-256
- Adaptors & Extension Leads 43
- Anti-Corrosive Fluorescent Luminaires 128,154

B

- Bells & Chimes 52
- Bulkheads 130-140
  - CFL Accessories 135
  - IP44 CFL Decorative Bulkheads 134
  - IP44 LED Bulkheads 130
  - IP65 LED Bulkheads 131,138
  - IP65 Rectangle Bulkhead 139
  - IP65 Wallpacks 140
  - IP65, 16W Round CFL Bulkheads 132
  - IP65, 16W Square CFL Bulkheads 136
  - IP65, 28W Round CFL Bulkheads 133
  - IP65, 28W Square CFL Bulkheads 137

C

- Cable Clips 224
- Cable Gland Kits 219-220
- Cable Glands 221
- Cable Glands Accessories 222
- Cable Jointing Kits 203
- Cable Management 212
- Cable Protectors 229
- Cable Reels 44-45
- Cable Saddles 223
- PVC Coated Cable Clips 223
- Cable Termination 199
- Cable Ties 225
- Catenary Fixings 233
- Ceiling Accessories 41-42
- Ceiling Fixings 258
- Centrifugal Fans 83
- CFL Emergency Gear Trays 161
- Compression Cable Lugs 208
- Conduit Pipe Bender 178
- Connection Boxes 204
- Connectors 202
- Consumables 262

D

- Dimmable Drivers 109
- Dimmable Pull Switch 42
- Doorchimes 52
- Doorchime Accessories 58
- *Downlights* *110 - 121*
  - Downlight Spares 122
  - IP65 LED Dimmable Downlights 114

Product Type **Page**

  - LED Fire Rated Downlights 115
  - Mains Voltage 116
  - Mains Voltage Downlights - Closed Back 120
  - Mains Voltage Downlights - Open Back 121
- Dry Lining Boxes 248
- Ducting 89-90

E

- Earthing Products 205-206
- Emergency Lighting 155
- Energy Saving PL Pendants 123
- Euro & Schuko Converter Plugs 49
- *Exit Signs* *158*
  - Hanging LED Exit Signs 159
- *Extractor Fans* 80-84
  - 4"/100mm Axial Extractor Fans - Square 80
  - 6"/150mm Axial Extractor Fans - Square 81

F

- *Fire Rated Downlights* *60, 62*
  - IP65 Mains Voltage, Low Energy Lamps, Aluminium Construction 70
  - IP65, Aluminium Construction 69
  - Low Voltage, Aluminium Construction,Fixed 68
  - Low Voltage, Steel Construction 67
  - Mains Voltage, Aluminium Construction, Tilt 66
  - Mains Voltage, Aluminium Construction, Fixed 65
  - Mains Voltage, Steel Construction 64
- Fixed Grilles 86
- Fixings, Accessories & Consumables 257
- *Floodlights* *142-149*
  - IP44 LED Floodlights 142
  - IP65 LED Flodlights 144
  - IP44 Tungsten Xenon Floodlights 147
  - IP44 Tungsten Xenon Floodlights - with Security PIR 148
  - IP54 Sodium Floodlights 146
  - IP54 Tungsten Halogen Floodlights 147
  - IP54 Metal Halide Floodlight 147
  - IP54 Sodium / Metal Halide Floodlights 146
  - IP65 Rechargeable Floods 141
  - Portable Xenon Floodlights 154
- Fuses & Solder Wire 261

G

- Gravity Shutters 85

Product Type **Page**

- Grommets & Bushes 230

H

- Hand Dryers 78,79
- Hand Tools 164-167
- Heating & Ventilation 75
- Hole Saws / Hole Cutter 174

I

- In-Line Shower Fan & Light Kit 84
- In-Line Shower Fan Kit 84
- Indoor Lighting 97
- Installation Boxes / Pattresses 247
- Insulated Terminals & Connectors 209,210
- Insulation/Electrical PVC Tape 228
- IP Rating Information 20

J

- Junction Boxes 201

L

- Ladders (Fibreglass) 169-171
- Ladder Clamp 173
- Ladder - Multi Position 172
- LED Anti-Corrosive Luminaires 129
- LED Bulkheads 130,131 138,140
- LED Rechargeable Floodlights 141
- LED Cabinet Lights 108
- LED Ceiling Panel 109
- LED Emergency Lighting 156-159
- LED Fire Rated Downlights 114
- LED Floodlights 142-144
- LED Link Lights 102
- LED Ribbon 101
- LED Shaverlights 124
- LED SMD Downlights 110
- LED Strip Lights 98,99
- LED Strip Light Accessories 100
- LED Twin Spot Lighting 156

M

- Malleable Conduit Accessories 234-243
- Metal Back Boxes 250
- Metalclad Accessories 34 - 39
- Metalclad Fused Connection Units 37
- Metalclad Sockets 34
- Metalclad Switches 35,36

N

- Non-contact AC Voltage Tester 168
- Nuts, Bolts & Screws 260

P

- Perforated Fixing Bands 227
- Photocells 71.72
- PIR Sensors 70
- Pliers & Side Cutters 167
- Plug Tops 46,47

Index by Product Type

Product Type **Page**

- Plug-In Relays and Bases 94,95
- Pneumatic Time Delay Switch 69
- *PowerBreaker*
  - RCD Fused Spurs 12
  - RCD In-Line 14
  - RCD Plugs & Adaptors 13
  - RCD Sockets - Switched 9 -11
  - RCD Sockets - Unswitched 8
- *PowerX WEATHERPROOF 21*
  - PowerX Cable Connectors 30
  - PowerX IP44 29
  - *PowerX IP55 27,28*
    - Weatherproof Fused Spurs 28
    - Weatherproof Sockets 27
  - *PowerX IP66 22*
    - Weatherproof Sockets 22,23
    - Weatherproof Switches 26
    - Weatherproof Timers 25
  - *PowerX IP66/IP67 24*
    - Weatherproof Spurs 24
  - PowerX Outdoor Power Box 32
- PVC Conduit Accessories 213-216
- PVC Enclosures 246
- PVC Sleeving - Hanks 231
- PVC Sleeving - Reels 232

R

- RCD Fused Spurs 12
- RCD In-Line 14
- RCD Plugs & Adaptors 13
- RCD Sockets - Switched 9-11
- RCD Sockets - Unswitched 8
- Recessed Light 160
- Relays 148
- Rotary Isolators 50
- Rubber Gaskets 256

S

- SafetySure Range 18
- Screwdrivers 164-166
- Self Adhesive Fixing Clips & Bases 226
- Service Connector Blocks 200
- *Shaver Lights 124,125*
- Shaver Sockets 40
- Smoke Canister 74
- Smoke/Heat Alarms 73
- Sockets and Adaptors 48
- Spring / Channel Nuts 244
- Steel Channel 244
- Stocks, Dies & Guides 175
- Strip Connectors 202
- *Super Rod 180*
  - Cable Jack 188
  - Cable Rat 191
  - Cable Zilla 192
  - Cavity Master 195
  - Chain and Magnet 187
  - Click & Drill Hole Saw Kits 197
  - Click & Drill Hole Saws 196

Product Type **Page**

  - Flexi Combi Kit 186
  - Flexi Drill Kit 189
  - GEKKO Gripper 194
  - Glider 186
  - Gooseneck Kit 185
  - In-Line Swivel 186
  - Inspection Mirror Kit 185
  - Ladder Horse 190
  - Leak Mate 190
  - Magcom Tracer 188
  - Power Pull It 190
  - R2 Testing Lead 189
  - Rack--tier 188
  - Rod Kits 180-182
  - Rod Spares 183
  - Super Beam 186
  - Super Cams 193
  - Super Carry Case 188
  - Super Flexi Beam 185
  - Super Flexi Magnet 185
  - Super Grips 184
  - Telescopic Pole 189
  - The Claw 187
  - Tri Hook 187
- Surface Boxes 249
- Switch & Socket Boxes 250

T

- *T5 Fluorescent Fittings 105*
  - Replacement T5 Triphosphor Tubes 106
  - T5 Rotatable Fluorescent Fittings 107
  - T5 Spares 106
- *Thermostats 66*
  - Digital Thermostats 66
  - Mechanical Thermostats 67
- Time Lag Switches 68
- *Timers 60*
  - Channel Timers 64
  - Din Rail Mounting Timer 65
  - Immersion and Dual Tariff Timers 62
  - Plug-in Timers 63
  - Socket Box Timers 61
  - Timer Socket 64
  - Wall Switch Timers 65
- Tools 164-167
- Transformers 122
- Tubular Heaters and Guards 76

V

- Ventilation Accessories 91,92
- Voltage Testers 168

W

- Wall & Ceiling Fixings 258
- Wall Kits 87
- Warning Tape 228
- Window Conversion Kits 88

Product Type **Page**

- Wired Bell Pushes 56,57
- Wired Doorchimes 55
- Wirefree Doorchimes 53,54
- Wiring Accessories 34
- Work Platform 173

Index by Product Code

Part No.	Page
0	
075/22B	225
075/22C	225
098/25B	225
098/25C	225
098/25R	225
1	
10AF	261
10GER	236
10NDT	176
10SC	202
10SDT	176
11/2X10PCT	260
11/2X8PCT	260
11/4X10PCT	260
11/4X8PCT	260
1119	43
116	250
116EB	250
12122BK	255
12122BP	255
12122GK	255
12122GP	255
12123BK	256
12123GK	256
12123GP	256
12124BK	256
12124BP	256
12124GK	256
12124GP	256
12126BK	256
12126BP	256
12126GK	256
12126GP	256
125	250
125EB	250
1262BK	255
1262GK	255
1262GP	255
1263BK	255
1263BP	255
1263GK	255
1263GP	255
1264BK	255
1264BP	255
1264GK	255
1264GP	255
1293BK	255
1293BP	255
1293GK	255
1293GP	255
1294BK	255
1294BP	255
1294GK	255
1294GP	255
1296BK	255
1296BP	255
1296GK	255
1296GP	255
12VFC	82
12VFCHS	82
12VFCT	82
135	250
135EB	250
13AF	261
13GER	236
140/36B	225
140/36C	225
140/36R	225
147	250
15SC	202
160/45B	225
160/45C	225
16BER	236
16BLN	241
16FBB	240
16GER	236
16GLN	241
16MBBS	240
16TRS	221,238
19/19	226
19/19B	226
1BLB	236
1GLB	236
1X10PCT	260
1X8PCT	260
2	
200/28B	225
200/28C	225
200/28R	225
200/46SS	225
200/48B	225
200/48C	225
200/48R	225
2016BR	237
2016GR	237
20B1	234
20B2	234
20B3	234
20B4	234
20B5	234
20BBS	239
20BC	239
20BDC	239
20BDS	243
20BER	236
20BFC	238
20BFCR	238
20BHS	243
20BIB	237
20BIE	240
20BIT	240
20BLN	241
20BMH	238
20BN	242
20BPS	242
20BRLN	241
20BRSP	242
20BS	222
20BSBS	242
20BSE	240
20BSH	176,217
20BSL	176,217
20BU	234
20BWK	219
20BWKLSF	220
20BY	235
20CK	217
20CKG	217
20CWK	219
20CWKLSF	220
20D	175
20ET	207
20FBB	240
20G	175
20G1	234
20G2	234
20G3	234
20G4	234
20G5	234
20GBS	239
20GC	239
20GDC	239
20GDS	243
20GEC	238
20GER	236
20GFC	238
20GFCR	238
20GFCS	238
20GH	234
20GHN	241
20GHP	242
20GHS	243
20GIB	237
20GIE	240
20GIT	240
20GLN	241
20GMH	238
20GMHNM	238
20GPS	242
20GSB	237
20GSBS	242
20GSE	240
20GST	240
20GU	234
20GY	235
20HT	175
20MBBL	240
20MBBS	240
20MGA	237
20NDT	176
20OS	222
20PME	242
20PN	242
20RS	222
20SBWK	219
20SBWKLSF	220
20SCME	242
20SCN	242
20SCW	241
20SCWK	219
20SCWKLSF	220
20SDT	176
20TRS	221,238
20WS	222
216EB	250
225	250
225EB	250
235	250
235EB	250
240/78B	225
240/78C	225
240/78R	225
247	250
2520BR	237
2520GR	237
25B1	234
25B2	234
25B3	234
25B5	234
25BC	239
25BDS	243
25BER	236
25BFCR	238
25BIB	237
25BIE	240
25BLN	241
25BRLN	241
25BRSP	242
25BSB	237
25BSBS	242
25BSH	176,217
25BSL	176,217
25BU	234
25BWK	219
25BWKLSF	220
25BY	235
25CK	217
25CKG	217
25CWK	219
25CWKLSF	220
25D	175
25ET	207
25FBB	240
25G	175
25G1	234
25G2	234
25G3	234
25G4	234
25G5	234
25GC	239
25GDCM	239
25GDS	243
25GER	236
25GFC	238
25GFCR	238
25GFCS	238
25GHN	241
25GHP	242
25GHS	243
25GIB	237
25GIE	240
25GIT	240
25GLN	241

Index by Product Code

Part No. Page
25GPS 242
25GSB 237
25GSBS 242
25GSE 240
25GU 234
25GY 235
25HT 175
25MBBL 240
25MBBS 240
25PME 242
25PN 242
25SCME 242
25SCN 242
25SCW 241
25TRS 221,238
27/27 226
27/27B 226
290/48B 225
290/48C 225
290/48R 225
2AF 261
2BAN 259
2BAW 260
2BLB 236
2DR16BO 132
2DR16BP 132
2DR16WO 132
2DR16WP 132
2DR28BO 133
2DR28BP 133
2DR28WO 133
2DR28WP 133
2DS16BO 136
2DS16BP 136
2DS16WO 136
2DS16WP 136
2DS28BO 137
2DS28BP 137
2DS28WO 137
2DS28WP 137
2GLB 236
2SC 202
2X8PCT 260
3
3.5N 259
3.5X16NP 259
3.5X25NP 259
3.5X35B 259
3.5X35NP 259
3.5X50B 259
3.5X50NP 259
3.5X60NP 259
3.5X75NP 259
3/4X8PCT 260
300/07B 225
300/07C 225
300/46SS 225
30NDT 176
30SC 202
30SDT 176
3220GR 237

Part No. Page
3225GR 237
32BC 239
32BDS 243
32BLN 241
32BRLN 241
32BWK 219
32BWKLSF 220
32CWK 219
32CWKLSF 220
32D 175
32FBB 240
32G 175
32GC 239
32GDS 243
32GER 236
32GLN 241
32GPS 242
32GSBS 242
32MBBL 240
32MBBS 240
32PME 242
32SCME 242
32SCN 242
3311/2BK 251
3311/2BP 251
3311/2GK 251
3311/2GP 251
332BK 251
332BP 251
332GK 251
332GP 251
333BK 251
333BP 251
333GK 251
333GP 251
33RG 256
34MGA 237
35HT 175
360/46SS 225
360/48B 225
360/48C 225
360/48R 225
370/78B 225
370/78C 225
370/78R 225
3AF 261
3GLB 236
4
40BWK 219
40BWKLSF 220
40CWK 219
40CWKLSF 220
40GER 236
40GLN 241
420GR 237
425GR 237
432BK 251
432GK 251
432GP 251
432GR 237
4411/2BK 251

Part No. Page
4411/2BP 251
4411/2GK 251
4411/2GP 251
442BK 251
442BP 251
442GK 251
442GP 251
443BK 251
443BP 251
443GK 251
443GP 251
444BP 252
444GK 252
444GP 252
44RG 256
4BC 239
4BLB 236
4FBB 240
4GC 239
4GLB 236
4GLN 241
4HT 175
4MBBL 240
4MBBS 240
4N 259
4PME 242
4SCME 242
4W 260
4WEB 206
4WEBS 206
4X10 259
4X12 259
4X16 259
4X20 259
4X25 259
4X35 259
4X40 259
4X50 259
4X6 259
4X8 259
5
50BER 236
50BWK 219
50BWKLSF 220
50CWK 219
50CWKLSF 220
50GER 236
50GLN 241
51AP1 258
51AP2 258
51AP3 258
525GR 237
530/09B 225
532GR 237
54GR 237
5AF 261
5BC 239
5BLN 241
5FBB 240
5GC 239
5GLN 241

Part No. Page
5MBBL 240
5MBBS 240
5PME 242
5SC 202
5SCME 242
6
60SC 202
632BK 252
632BP 252
632GK 252
632GP 252
633BK 252
633GK 252
633GP 252
63BWK 219
63BWKLSF 220
63CWK 219
63CWKLSF 220
642BK 252
642BP 252
642GK 252
642GP 252
643BK 252
643BP 252
643GK 252
643GP 252
644BK 252
644GK 252
644GP 252
6611/2BK 252
6611/2GK 252
6611/2GP 252
662BK 253
662BP 253
662GK 253
662GP 253
663BK 253
663BP 253
663GK 253
663GP 253
664BK 253
664BP 253
664GK 253
664GP 253
666BK 253
666BP 253
666GK 253
666GP 253
66RG 256
6HT 175
7
75BWK 219
75BWKLSF 220
75CWKLSF 220
7AF 261
8
8633 45
8644 45
8BJC 243
8GJC 243
8WEB 206

Index by Product Code

Part No.	Page
8WEBS	206
9	
932GK	253
932GP	253
942GK	253
942GP	253
943BP	253
943GK	253
943GP	253
962BK	254
962GK	254
962GP	254
963BK	254
963BP	254
963GK	254
963GP	254
964BK	254
964BP	254
964GK	254
964GP	254
992BK	254
992BP	254
992GK	254
992GP	254
993BK	254
993BP	254
993GK	254
993GP	254
994BK	254
994BP	254
994GK	254
994GP	254
996BK	254
996BP	254
996GK	254
996GP	254
A	
A4N	125
A4PL	125
A4PLC	125
AC3000	77
ACOMN	73
ACPHF118	128
ACPHF136	128
ACPHF136EM	128
ACPHF158	128
ACPHF158EM	128
ACPHF170	128
ACPHF170EM	128
ACPHF218	128
ACPHF236	128
ACPHF236EM	128
ACPHF258	128
ACPHF258EM	128
ACPHF270	128
ACPHF270EM	128
ACPHFLV158	128,154
ACPHFLV158EM	128,154
ACPHFLV258	128,154
ACPLED15	129
ACPLED15EM	129
ACPLED16	129
ACPLED16EM	129
ACPLED25	129
ACPLED25EM	129
ACPLED26	129
AHPM	73
AMP	73
APB04A	32
APB05	32
ARB0	174
ARB1	174
ARB2	174
ARCH	250
ASCAN	74
ASCAN-12	74
ASIM	73
ASPM	73
B	
B16	230
B20	230
B20B1BO	236
B20B1E	235
B20BBO	236
B20BT3	235
B20G1BO	236
B20G1E	235
B20G2BO	236
B20G2E	235
B20G3BO	236
B20G3E	235
B20G5E	235
B20GBO	236
B20GT3	235
B20GT5	235
B25	230
BAC15	202
BAC30	202
BAC5	202
BBM5	209
BCC1	223
BCC2	223
BCC3	223
BCC4	223
BCS1	223
BCS2	223
BFT4.3	209
BHEAD	139
BHP	239
BJC	243
BLPC	239
BLPCF	239
BLS10	231
BLS12	231
BLS16	231
BLS3	231
BLS3-R	232
BLS4	231
BLS4-R	232
BLS5	231
BLS6	231
BLS8	231
BNS10	231
BNS16	231
BNS3	231
BNS3-R	232
BNS4	231
BNS4-R	232
BNS5	231
BNS6	231
BNS8	231
BPB6.3	210
BPOF6.3	209
BPOM6.3	209
BRS	176
BRT4.3	209
BRT5.3	209
BRT6.5	209
BRT8.5	209
BS10	231
BS2	231
BS2.5	210
BS3	231
BS4	231
BS5	231
BS6	231
BS8	231
BSET	175
BST	175
BTIPOF6.3	209
BUSH	176
C	
C1	218
C100SLK	84
C100TSLK-C	84
C2	218
CAP25	260
CB1	200
CB2	200
CB3	200
CB6	200
CB9	200
CCF1.5G	224
CCF10G	224
CCF2.5G	224
CCF4G	224
CCR10B	224
CCR10W	224
CCR14B	224
CCR14W	224
CCR4B	224
CCR4C	224
CCR4W	224
CCR5B	224
CCR5W	224
CCR7B	224
CCR7W	224
CFL16O	134
CFL16P	134
CFL28O	134
CFL28P	134
CFLB16BLK	135
CFLB16CR	135
CFLB28BLK	135
CFLB28CR	135
CFLTRAYR	133,135,161
CFLTRAYS	137,161
CFMPIR	70
CH05	212
CH10	212
CH15	212
CHOC30A	204,245
CHOC30A-10	204,245
CHOC30E	204,245
CJB1	203
CJB2	203
CJS1	203
CJS2	203
CJS3	203
CJS4	203
CJS5	203
CK4FG	88
CK4GS	88
CK6FG	88
CK6GS	88
CPL	229
CPM	229
CPS	229
CRRB	186
CRBR25-50	187
CRBX5	183
CRNX2	183
CRRX5	183
CRSNX2	183
CRYX5	183
CRCA1	195
CRCAPM	195
CRCAPS	195
CRCM	187
CRD15N	44
CRD25N	44
CRD5N	44
CRD50N	44
CRG	239
CRHS	181
CRMC	188
CRMG2	189
CRMX	180
CRMXBT	183
CRS6	181
CRS6BT	183
CRSB	186
CRSD	180
CRSDBT	183
CRSK0406	184
CRSK0415	184
CRSK0430	184
CRSK0610	184
CRSK0615	184
CRSK1115	184
CRSK1622	184
CRSK1630	184
CRSK2330	184
CRSS	181

Index by Product Code

Part No.	Page
CRSSBT	183
CRSW	186
CRTB	182
CS10/10	208
CS10/6	208
CS10/8	208
CS16/10	208
CS16/6	208
CS16/8	208
CS25/10	208
CS25/6	208
CS25/8	208
CS35/10	208
CS35/12	208
CS35/8	208
CS50/8	208
CS6/6	208
CS70/10	208
CS70/12	208
CS70/8	208
CS95/10	208
CS95/12	208
CSMPIR	70
CW100	233,258
CW30	233,258
CW50	233,258
CWE	233,258
CWG	233,258
CWK30	233,258
CWN	233,258
CWT	233,258
CZLA100X9	192
CZLA150X11	192
CZLA150X9	192
CZLA50X6	192
CZLA50X6S	192
CZLA50X9	192
D	
DAT01A	58
DAT02A	58
DAT03A	58
DB	250
DB25	250
DB285B	31
DB285G	31
DB330B	31
DB330G	31
DB3512	250
DC010AN-C	52,54
DH020A-C	52,55
DH021A-C	52,55
DHT01AN-C	52,55
DIMPULLSW-C	42,123
DL1	248
DL1050CR	120
DL1050CRO	121
DL1050SCR	120
DL1050SCRO	121
DL1050TCRO	121
DL1050TSCR	120
DL1050TSCRO	121
DL1050TWO	121
DL1050W	120
DL1050WO	121
DL147	248
DL2	248
DL247	248
DLC	248
DLD	248
DLR	122
DP010A-C	56
DP020A-C	56
DP050A-C	57
DP050AC-C	57
DP080A-C	57
DP220A-C	56
DPL03A-C	56
DPL04A-C	56
DR10	176
DS58	207
DSET32	175
DST	175
DW010AN-C	52,53
DW030AN-C	52,54
DW040AN-C	52,53
DW040ASN-C	52,53
DW050AHN-C	52,53
DW060AN-C	58
DW070AN-C	58
E	
EA1	218
EA2	218
EC12	84
EC12T	84
EC14/2GB	205
EC14/3GB	205
EC14GB	205
EC15/2GB	205
EC15/3GB	205
EC15GB	205
EC16/2GB	205
EC16/3GB	205
EC16GB	205
ECB	207
ECP-BNR-3A	49
ECP-BNR-5A	49
ECP-BR-5A	49
ECP-WNR-3A	49
ECP-WNR-5A	49
ECP-WR-3A	49
ELB	157,160
ELBHLED	157
ELBHLEDE	157
ELBHM	157
ELBHNM	157
ELBLED	159
ELBTS	156
ELDLLEDNM	156
ELEXLED	158
ELEXS	158
ELHLEDM	159
ELLBHN	157
ELLEXN	158
ELLEXUPN	158
ELLHLEDN	159
ELLHLEDUPN	159
ELLRLN	160
ELRDIFF	160
ELRLM	160
ELRLNM	160
ELTSLED20NM	156
ELTSLED65NM	156
ELTSNM	156
ENERGY1P	139
ENERGY2P	139
ES1	231
ES10	231
ES12	231
ES16	231
ES2	231
ES2-R	232
ES3	231
ES3-R	232
ES4	231
ES4-R	232
ES5	231
ES6	231
ES8	231
ETR60	122
ETS210	222
ETS215	222
ETS225	222
ETS315	222
ETS415	222
EWT	228
F	
F150MBI/S55	146
F250MBI/S55	146
F400MBI/S55	146
FA1	218
FA2	218
FH1	122
FR1001AGU	112
FR1001AGUB	117
FR1001AGUC	117
FR1001AGUSC	117
FR1001AGUW	117
FR1001AL11W	112
FR1001AL11WC	117
FR1001AL11WSC	117
FR1001AL11WW	117
FR1001ALED	112
FR1001ALEDC	115
FR1001ALEDSC	115
FR1001ALEDW	115
FR1001SGU	112
FR1001SGUB	116
FR1001SGUC	116
FR1001SGUSC	116
FR1001SGUW	116
FR1002AGU	112
FR1002AGUB	118
FR1002AGUC	118
FR1002AGUSC	118
FR1002AGUW	118
FR1002AL11W	112
FR1002AL11WC	118
FR1002AL11WSC	118
FR1002AL11WW	118
FR1002ALED	112
FR1002ALEDW	115
FR1002ALEDC	115
FR1002ALEDSC	115
FR1002SGU	116
FR1002SGUB	116
FR1002SGUC	116
FR1002SGUSC	116
FR1002SGUW	116
FR1004AL11W	112
FR1004AL11WC	119
FR1004AL11WSC	119
FR1004AL11WW	119
FR1004ALED	112
FR1004ALEDC	115
FR1004ALEDSC	115
FR1004ALEDW	115
FR1004GU	112
FR1004GUC	119
FR1004GUSC	119
FR1004GUW	119
FSON7054	146
FSON7054PC	146
FT1	218
FT2	218
FW10	261
FW100	261
FW15	261
FW20	261
FW30	261
FW45	261
FW5	261
FW60	261
G	
G242	81
G242HS	81
G242PC	81
G242SELV	81
G242T	81
G400	85
G400BROWN	85
G400TER	85
G425	86
G425BROWN	86
G425FS	86
G425FSBROWN	86
G425FSTER	86
G425TER	86
G450FG	87
G450GS	87
G510	80
G510HS	80
G510PC	80
G510SELV	80
G510T	80

Index by Product Code

Part No.	Page
G600	85
G600BROWN	85
G600TER	85
G625	86
G625BROWN	86
G625FS	86
G625FSBROWN	86
G625FSTER	86
G625TER	86
G650FG	87
G650GS	87
GA3	233,258
GB122W	43
GB122W-C	43
GB223W-C	43
GB2298	201
GB2298B	201
GB2299	201
GB2299B	201
GB2319	42
GB2592	247
GB2618	201
GB2618B	201
GB2619	201
GB2619B	201
GB2620	201
GB2620B	201
GB2621	201
GB2622	201
GB2623	41
GB2627	247
GB2628	247
GB2629	247
GB2641	42
GB2641BR-C	42
GB2641CH-C	42
GB2653-T2	41
GB2654-T2	41
GB2655-T2	41
GB2663-T2	41
GB2667	247
GB2677-T2	41
GB40	262
GB40-15	262
GBP16	230
GBP20	230
GBP25	230
GBP32	230
GBP38	230
GBP50	230
GC12	244
GC25	244
GC37	244
GC50	244
GC63	244
GCPBN	178
GCPB20FA	178
GCPB25FA	178
GCPBCPIN	178
GCPBLPIN	178
GCPBROLL	178
GCPBSPRING	178
GCPBSTOP	178
GCPBVICE	178
GHP	239
GJC	243
GLPC	239
GLPCF	239
GO16	230
GO20	230
GO25	230
GO32	230
GO38	230
GO50	230
GP400	262
GP800	262
GRS10	231
GRS3	231
GRS3-R	232
GRS4	231
GRS4-R	232
GRS6	231
GS1	230
GS2	230
GS3	230
GS4	230
GS5	230
GSBT20	230
GSBT25	230
GSBT32	230
GSBT38	230
GSBT50	230
GSS	153
GST	153
GUHDL	122
GWS	153
GWT	153
H	
H102	174
H20	174
H22MPA-C	8
H22WPSA-C	8
H25	174
H32	174
H38	174
H41	174
H51	174
H60	174
H64	174
H65Z-C	30
H67	174
H76	174
H79	174
H83	174
H85Z-C	30
H92IP-X	24
H92MPA-C	12
H92WPA-C	12
HB24	174
HB32	174
HC20B	212
HC20W	212
HC25B	212
HC25W	212
HCT1	177
HCT10	177
HCT15	177
HCT16	177
HDM2400	79
HDP1800	78
HDPLE1000	78
HS01	174
HS02	174
HS1	40
HSBL	174
HSBM	174
HSBW	174
I	
IA1	218
IA2	218
IRD180A-C	70
IT1920B10	228
IT1920BL10	228
IT1920BN10	228
IT1920G10	228
IT1920GY10	228
IT1920R10	228
IT1920W10	228
IT1920Y10	228
IT1933B10	228
IT1933BL10	228
IT1933BN10	228
IT1933G10	228
IT1933GY10	228
IT1933R10	228
IT1933W10	228
IT1933Y10	228
J	
J02A-C	13
J62-T	14
J62-Y	14
J63-X	14
J72A-C	13
K	
K21MPA-C	11
K21SPA	9
K21WPA-C	10
K22MPA-C	11
K22SPA	9
K22WPA-C	10
K612	83
K612T	83
L	
LADCLAMP	173
LADF10	169
LADF3	169
LADF4	169
LADF5	169
LADF6	169
LADF7	169
LADF8	169
LADF9	169
LADM3	172
LADP	173
LADPACK	171
LADPF10	171
LADPF3	170
LADPF4	170
LADPF5	170
LADPF6	170
LADPF7	170
LADPF8	171
LADPF9	171
LADPLAT	172
LC20	212
LC25	212
LED100D	100
LED60D	100
LEDCDL16W	110
LEDCDL23W	110
LEDCLCH	108
LEDCLSC	108
LEDCLWH	108
LEDDIM	100
LEDDIMDALI	109
LEDDIMTRIAC	109
LEDDL3000C	114
LEDDL3000SC	114
LEDDL3000W	114
LEDDL4000C	114
LEDDL4000SC	114
LEDDL4000W	114
LEDFL10	144
LEDFL10E	142
LEDFL18E	142
LEDFL20	144
LEDFL27E	142
LEDFL30	144
LEDFL50	144
LEDFL80	144
LEDFLP10	141
LEDFLP20	141
LEDFLPIR10	145
LEDFLPIR10E	143
LEDFLPIR18E	143
LEDFLPIR20	145
LEDFLPIR27E	143
LEDFLPIR30	145
LEDFLPIR50	145
LEDLEAD	100
LEDP664DLND	109
LEDPC	100
LEDPDIMDRI010	109
LEDPEMN	109
LEDPIR	100
LEDPSTDRI	109
LEDPPRDRI	109
LEDPOLYO	138
LEDPOLYP	138
LEDPOLYPIR	138
LEDR4415WO	130
LEDR448WO	130
LEDR6516WO	131
LEDR6523WO	131

Index by Product Code

Part No. Page

LEDRIB20CW 101
LEDRIB20DCW 101
LEDRIB20DDL 101
LEDRIB20DL 101
LEDRIB20DWW 101
LEDRIB20RGB 101
LEDRIB20WW 101
LEDRIB67CW 101
LEDRIB67DL 101
LEDRIB67WW 101
LEDRIBDIM 101
LEDRIBPS30 101
LEDRIBPS60 101
LEDRIBPS72 101
LEDRIBRGBC 101
LEDSLB1-C 98,99
LEDSLB2-C 98,99
LEDSLB3-C 98,99
LEDSLC1-C 98,99
LEDSLC2-C 98,99
LEDSLC3-C 98,99
LEDSLW1-C 98,99
LEDSLW2-C 98,99
LEDSLW3-C 98,99
LT105T 122
LT150T 122
LVHDL 122

M

M04A-C 19
M1025PW 241,260
M1030PW 241,260
M22M 18
M22W 18
M620PW 241,260
M625PW 241,260
M74A-C 19
M820PW 241,260
M825PW 241,260
M92M 18
M92W 18
MC112 35
MC113 35
MC122 35
MC132 35
MC142 35
MC214 36
MC214N 36
MC314 36
MC314N 36
MC324N 36
MC411 34
MC421 34
MC611 34
MC621 34
MC711 37
MC711N 37
MC716 37
MC716N 37
MC811 37
MC811N 37
MC911 38

Part No. Page

MC912 38
MC913 38
MC914 38
MC915 39
MC916 39
MC924 36
MC925 39
MC926 39
MHF150 147
MHF70 147
MIG2L1.0 222
MIG2L1.5 222
MIG2L2.5 222
MIG3L1.5 222
MIG4L1.5 222
MLH 190
MWP 190

N

NC38 207
NC38E 207
NC58 207
NC58E 207
NMT1 218
NMT2 218
NMT3 218
NMT4 218
NMT5 218
NP10 222
NP11 222
NP12 222
NP14 222
NP16 222
NP18 222
NP20 222
NP3 222
NP4 222
NP5 222
NP6 222
NP7 222
NP8 222
NP9 222
NR384 206
NR384E 206
NR584 206
NR584E 206
NRC38 206
NRC38E 206
NYC15 202
NYC30 202
NYC5 202

O

OC05 212
OC06 212
OC07 212
OC10 212
OCC2 223
OCC3 223
OCC4 223

Part No. Page

P

P17 40
P17C 40
P17SC 40
P1WAY20B 213
P1WAY20W 213
P1WAY25B 213
P1WAY25W 213
P2WAY20B 213
P2WAY20W 213
P2WAY25B 213
P2WAY25W 213
P3WAY20B 213
P3WAY20W 213
P3WAY25B 213
P3WAY25W 213
P4WAY20B 213
P4WAY20W 213
P4WAY25B 213
P4WAY25W 213
PAF3 48
PANGLE20B 213
PANGLE20W 213
PANGLE25B 213
PANGLE25W 213
PASA 48
PAU2 48
PC20B 216
PC20W 216
PC25B 216
PC25W 216
PC301 202
PC51 202
PCC152 202
PCC153 202
PCC302 202
PCC303 202
PCC52 202
PCC53 202
PCCB 214
PCCW 214
PCG20B 221
PCG20G 221
PCG20LB 221
PCG20LW 221
PCG20R 221
PCG20SB 221
PCG20SR 221
PCG20SW 221
PCG20W 221
PCG25B 221
PCG25BL 221
PCG25G 221
PCG25R 221
PCG25W 221
PCG25WH 221
PD14 174
PEC1000 71
PEC20 72
PEC20B 216
PEC20W 216

Part No. Page

PEC25W 216
PEC4000-C 72
PEC500 71
PECH 71
PECH500 71
PECR 72
PF09020020 196
PF09020025 196
PF09020032 196
PF09020035 196
PF09020055 196
PF09029001 196
PF09031025 196
PF09031032 196
PF09031035 196
PF09031076 196
PF09037140 196
PF09051020 196
PF09051025 196
PF09051032 196
PF09051035 196
PF09051038 196
PF09051044 196
PF09051051 196
PF09051064 196
PF09051067 196
PF09051073 196
PF09051076 196
PF09051083 196
PF09051083 196
PF09051083 196
PF09051086 196
PF09051102 196
PF09051127 196
PF09051152 196
PF09081020 196
PF09081025 196
PF09081032 196
PF09081035 196
PF09081038 196
PF09081044 196
PF09081051 196
PF09081064 196
PF09081067 196
PF09081073 196
PF09081076 196
PF09081083 196
PF09081086 196
PF09081102 196
PF09081127 196
PF09081152 196
PFA20B 216
PFA20W 216
PFA25B 216
PFA25W 216
PFBB12N 227
PFBB17N 227
PFBG12N 227
PFBG17N 227
PFDDH1MP 196
PFDDH1MPCT 196

Index by Product Code

Part No.	Page
PFDDH2MP	196
PFDDH2MPCT	196
PFKIT116127	197
PFKIT21682	197
PFKIT332114	197
PIB20B	214
PIB20W	214
PIB25B	214
PIB25W	214
PIE20B	214
PIE20W	214
PIT20B	214
PIT20W	214
PIT25B	214
PIT25W	214
PJ10105K	246
PJ10105P	246
PJ1285K	246
PJ1285P	246
PJ15117K	246
PJ15117P	246
PJ19147K	246
PJ19147P	246
PJ24199P	246
PJ302212P	246
PJ383012P	246
PJ463812P	246
PJ6535K	246
PJ8040K	246
PJ884K	246
PL3B	152
PL3PIRB	152
PL3PIRW	152
PL3W	152
PL6B	150
PL6PIRB	150
PL6PIRW	150
PL6W	150
PLLED3B	151
PLLED3PIRB	151
PLLED3PIRW	151
PLLED3W	151
PLN20B	216
PLN20W	216
PLN25B	216
PLN25W	216
PLOOPB	214
PLOOPW	214
PLPA	41,123
PLR20B	216
PLR20W	216
PLR25B	216
PLR25W	216
PMA20B	216
PMA20W	216
PMA25B	216
PMA25W	216
PMB20B	215
PMB20W	215
PMB25B	215
PMB25W	215
PNB20B	214
PNB20W	214
PNB25B	214
PNB25W	214
POCC16W	215
POCC20W	215
POCC25W	215
POLY	139
POLYP	139
POLYR	139
PPS20B	215
PPS20W	215
PPS25B	215
PPS25W	215
PR2520B	216
PR2520W	216
PRCC20B	215
PRCC20W	215
PRCC25B	215
PRCC25W	215
PRR208-115AC	94
PRR208-230AC	94
PRR208-24AC	94
PRR208-24DC	94
PRR311-115AC	94
PRR311-230AC	94
PRR311-24AC	94
PRR311-24DC	94
PRRB11	94
PRRB8	94
PRS208-115AC	95
PRS208-230AC	95
PRS208-24AC	95
PRS208-24DC	95
PRS414-115AC	95
PRS414-230AC	95
PRS414-24AC	95
PRS414-24DC	95
PRSB14	95
PRSB8	95
PS1/20	207
PSB20B	215
PSB20W	215
PSB25B	215
PSB25W	215
PSS20W	215
PSS25B	215
PSS25W	215
PSTB20B	214
PSTB20W	214
PSTB25B	214
PSTB25W	214
PT13B	46
PT13B-3A	47
PT13B-5A	46
PT13W	46
PT13W-3A	47
PT13W-5A	46
PT205	207
PT2W	47
PT5W	47
PU20B	213
PU20W	213
PVCADHN	217,262
PXC105DT-C	25
PXC1GSW-C	26
PXC22MP-C	22
PXC2GSW-C	26
PXC3GSW-C	26
PXC4GSW-C	26
PXC70TSKT-C	25
PXC92MP-C	24
PXC92N-C	24
PXCSSS-C	23
PXCWTS-C	23
PY20B	213
PY20W	213
R	
RATGPLUS20	191
RATGPLUS30	191
RB12	259
RB20	259
RB25	259
RB35	259
RB50	259
RBM4	209
RC1	249
RC2	249
RC22	223
RC58	207
RC58E	207
RCC1	223
RCC2	223
RCC3	223
RCC4	223
RCDL-C	19
RCS1	223
RCS2	223
RD10	205
RD100	205
RFT4.3	209
RLL14	107
RLL18	107
RLL21	107
RLL8	107
RLLC	104
ROT3P16A	50
ROT3P32A	50
ROT3P63A	50
ROT4P16A	50
ROT4P32A	50
ROT4P63A	50
RPB6.3	210
RPOF6.3	209
RPOM6.3	209
RPT9.5	210
RRT4.3	209
RRT5.3	209
RRT6.5	209
RRT8.5	209
RS1.5	210
RTIPOF6.3	209
S	
S215	222
S225	222
S315	222
S415	222
SAF0	226
SAF1	226
SAF2	226
SAF3	226
SAF4	226
SAFTC	226
SAMT1	218
SAMT2	218
SBJC	243
SC1	249
SC2	249
SCP-B-10A	49
SCP3-B-13A	49
SD-170	73
SD100	258
SE1	218
SE2	218
SFDM	185
SGB20	230
SGB25	230
SGB32	230
SGJC	243
SGO20	230
SGO25	230
SGO32	239
SHAS	40
SK16/SAC3/1	261
SK18/SAC3/2	261
SLL14NJ	104,105
SLL18NJ	104,105
SLL21NJ	104,105
SLL24NJ	104,105
SLL28NJ	104,105
SLL32NJ	104,105
SLL35NJ	104,105
SLL6NJ	104,105
SLL8NJ	104,105
SLLCNJ	104
SLLL1000NJ	104
SLLL250NJ	104
SLLL500NJ	104
SLLLED14	102
SLLLED14WW	103
SLLLED18	102
SLLLED18WW	103
SLLLED22	102
SLLLED22WW	103
SLLLED3	102
SLLLED3WW	103
SLLLED4	102
SLLLED4WW	103
SLLLED7	102
SLLLED7WW	103
SLLT14	106
SLLT14CW	106
SLLT14WW	106

Index by Product Code

Part No.	Page
SLLT18	106
SLLT18CW	106
SLLT18WW	106
SLLT21	106
SLLT21CW	106
SLLT21WW	106
SLLT24	106
SLLT24CW	106
SLLT24WW	106
SLLT28	106
SLLT28CW	106
SLLT28WW	106
SLLT32	106
SLLT32CW	106
SLLT32WW	106
SLLT35	106
SLLT35CW	106
SLLT35WW	106
SLLT6	106
SLLT6CW	106
SLLT6WW	106
SLLT8	106
SLLT8CW	106
SLLT8WW	106
SP1	244
SP400	262
SRLM	190
SRBAG	188
SRC90	187
SRCAMV6T	193
SRCAMV6W	193
SRCAMV6WK	193
SRCAMV7	193
SRCAMV8	193
SRCLAW	187
SRFCK	186
SRFD12X510	189
SRFDB10	189
SRFDB15	189
SRFSB	185
SRG3	185
SRGG61	194
SRGLIDE	186
SRGLIDEX2	186
SRJK	188
SRMK	185
SRPRS12	182
SRPRS4	182
SRPRS8	182
SRR2	189
SRRT	188
SRTP	189
SRTR	187
STA4	125
STA4LED	124
STA4LEDCH	124
SUSCLIP	243
T	
T100A-C	61
T101A-C	61
T102A-C	62
T103A-C	62
T104A-C	62
T105A-C	61
T106A-C	62
T108A-C	61
T109-C	62
T17B-C	63
T205-C	60
T40S-C	65
T41D-C	65
T612A-C	64
T634A-C	64
T73A-C	63
T80-C	65
TEF1000	147
TEF1500	147
TH1-C	66
TH90-C	67
TH90C-C	67
TH90CS-C	67
TH90F-C	67
TH90FT-C	67
TH90T-C	67
THP1-C	66
THPW1-CA	66
THPW1-CB	66
THPW1-CC	66
THPW1-CD	66
THPW1-CE	66
TIMLAG210	68
TIMLAG210L	68
TIMLAG320	68
TIMLAG320L	68
TL	262
TLS	69
TPL180	167
TPLLN160	167
TPLSCKIT	167
TPLSCKIT-12	167
TR450	262
TS1B	48
TS1W	48
TS2B	48
TS2W	48
TS70A-C	64
TSC160	167
TSDKIT67	165
TSDKIT7	165
TSDKIT7-12	165
TSDNEON2	165
TSDPH1	166
TSDPH2	166
TSDPZ0	166
TSDPZ1	166
TSDPZ2	166
TSDSL25	165
TSDSL30	165
TSDSL40	165
TSDSL55	165
TSDSL65	165
TSMT2	168
TSVS	168
TUBG11N	76
TUBG21N	76
TUBG31N	76
TUBG41N	76
TUBG51N	76
TUBG61N	76
TUBH1	76
TUBH2	76
TUBH3	76
TUBH4	76
TUBH5	76
TUBH6	76
TW0	175
TXF120	149
TXF120W	149
TXF400	149
TXF400W	149
TXP120	154
TXP400	154
TXP400Y	154
TXPIR120	148
TXPIR120W	148
TXPIR400	148
TXPIR400W	148
TXT400Y	154
V	
VA200-P	90
VA202-P	91
VA203-P	91
VA204-P	91
VA205-P	91
VA206-P	91
VA207-P	92
VA207BROWN-P	92
VA208-P	91
VA209-P	90
VA210-P	92
VA211-P	92
VA212-P	92
VA213-P	90
VA214-P	92
VA215-P	92
VA216-P	92
VA217-P	90
VA218-P	91
W	
WALLP52PL	140
WALLP52PLPC	140
WALLP70SON	140
WALLP70SONPC	140
WALLPLED35	140
WCC1	223
WCC2	223
WCC3	223
WCC4	223
WCS1	223
WCS2	223
WE44SS-C	29
WE44TS-C	29
WHP	233,258
WN22WP-C	27
WN55WA-C	27
WNS50WA-C	27
WNS93WP-C	28
WNS94WA-C	28
WNSW-C	29
WNSW2G-C	29
WPVC4	89
WPVC4-15	89
WPVC4-45	89
WPVC4-6	89
WPVC6	89
WPVC6-15	89
WPVC6-6	89
WRP	233,258
WS3	231
WS4	231
WS6	231
WSBR28	177
WSBRR03	177
Y	
YPOF6.3	209
YPOM6.3	209
YRT10	209
YRT4.3	209
YRT5.3	209
YRT6.5	209
YS6	210
YTIPOF6.3	209
Z	
ZM10L	244
ZM10N	244
ZM10S	244
ZM12L	244
ZM12N	244
ZM12S	244
ZM6L	244
ZM6N	244
ZM6S	244
ZM8L	244
ZM8N	244
ZM8S	244

Terms & Conditions

GREENBROOK ELECTRICAL PLC – 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 of 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 therefrom (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 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 therefrom 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 £100 (mainland UK only). £7.50 carriage charge for any orders under £100 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.

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.

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.

ISSUE NO 1030502

Although all measures are taken to ensure all of the information in this catalogue is correct, GreenBrook Electrical take no responsibility for any errors or inaccuracies.

GREEN
BROOK
ELECTRICAL PLC

PowerBreaker THE FIRST SINCE 1975

KS KingShield

ToolShield

NORSLO

West Road . Harlow . Essex . CM20 2BG
T. +44 (0) 1279 772 772 F. +44 (0) 1279 422 007
sales@greenbrook.co.uk Website: www.greenbrook.co.uk

5 012739 640957

Issue no: 704079