



CEILING ACCESSORIES

RANGE INTRODUCTION

MK Electric offers a comprehensive range of white ceiling accessories for all requirements. Included in the range are enhanced 'safety' lampholders.

Unlike most other 'safety' lampholders, when the lamp is removed Shockguard Plus automatically shields the contact by means of a specially designed shutter and it remains that way until a lamp is replaced.

Therefore when no lamp is in place contact pins are totally isolated, eliminating danger of electrocution.

FEATURES & BENEFITS

EASE OF INSTALLATION

Pendant sets incorporate a heat resistant lampholder, ceiling rose with a transparent base and clear terminal markings for ease of identification. Terminals are grouped in line with neutral, loop-in and earth terminals.

SAFETY

Shockguard Plus has a specially designed shutter that automatically shields the lamp contacts, therefore eliminating the danger of electrocution.

RELIABILITY

All products are 100% tested before delivery for confidence, so a 'fit and forget' installation can be achieved. Fully compliant with the relevant British Standards BS 7895 for bayonet lampholders with enhanced safety and BS EN 61184.

DURABILITY

Manufactured from the highest quality materials to give a high gloss finish, which is both scratch and colour fade resistant.

Ceiling Accessories

Ceiling Switches

6 AMP
SURFACE

WITHOUT
MOUNTING BLOCKS
FLUSH

50A
FLUSH

Mounting Blocks and Cords



K3191WHI



3190RCWHI



K3131WHI



3164WHI



K2051WHI

K2056WHI



K3191D1WHI



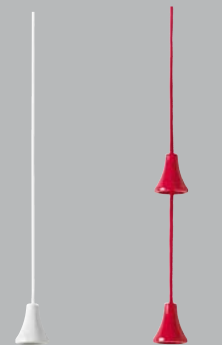
3190RCD1WHI



3151WHI



8329SSWHID1T9



8329SSWHIT9 9420SST9

K3191WHI

6A SP ONE-WAY
1.5M WHITE CORD WITH
WHITE ACORN

K3191D1WHI

6A SP ONE-WAY
2M WHITE CORD
AND 1X GRAPHITE BANGLE

K3192WHI

6A SP TWO-WAY
1.5M WHITE CORD
AND WHITE ACORN

K3192D1WHI

6A SP TWO-WAY
2M WHITE CORD
AND 1X GRAPHITE BANGLE

Supplied with mounting blocks.
Earth terminal is riveted in base of
mounting blocks.

BANGLE DIAMETER

50mm

These switches do not have to be
derated when used with fluorescent or
inductive loads.

FIXING CENTRES

50.8mm

BS EN 60669-1:1999

5 **3190RCWHI**
6A SP TWO WAY
2M RED CORD WITH RED ACORN
PULL TO MAKE OR PULL TO
BREAK (MOMENTARY SWITCH
ACTION)

5 3190RCD1WHI

6A SP TWO-WAY
3M RED CORD
AND 2X RED BANGLE

Supplied with mounting blocks.

BANGLE DIAMETER

50mm

BS EN 60669-1:1999

5 **K3131WHI**
6A SP TWO-WAY
3151WHI
16A DP ONE-WAY

Mounting blocks are not supplied. Use
K2051WHI or K2056WHI.

Suitable for installation in small circular
conduit boxes to BS EN 61386-1:2008
See page 354.

Ceiling switch cords are 1.5m minimum
length.

These switches do not have to be
derated when used with fluorescent or
inductive loads.

FIXING CENTRES

50.8mm

BS EN 60669-1:1999

5 **3164WHI**
50A DP ONE-WAY
WITH NEON
1.5M WHITE
8329SSWHID1T9
2M WHITE CORD WITH JOINT
UNION AND GRAPHITE BANGLE

MOUNTING BOXES

Surface Moulded

2140WHI, 2180WHI

2031WHI (extra wiring space)

Flush Steel

877ZIC (for full load applications)

Surface Metal

2211ALM, 2213ALM

Fitted with a mechanical 'OFF' indicator.
The switch fully complies with the
requirements within BS 7671 IET Wiring
Regulations with respect to safety
isolation for maintenance purposes
and provides a full 3mm contact gap
when 'OFF'.

DIMENSIONS

86 x 86mm

BANGLE DIAMETER

50mm

FIXING CENTRES

60.3mm

BS EN 60669-1:1999

5 **K2051WHI**
MOUNTING BLOCK
FOR 6A OR 16A
SWITCHES

5 **K2056WHI**
MOUNTING BLOCK
WITH NEON
FOR 6A OR 16A
SWITCHES

10 **8329SSWHIT9**
1.5M WHITE CEILING
SWITCH CORD COMPLETE
WITH ACORN AND ONE PIECE
JOINT UNION

1 **9420SST9**
2M RED CEILING SWITCH
CORD COMPLETE WITH TWO
RED ACORNS AND ONE PIECE
JOINT UNION

10 **9420SSD1**
3M RED CEILING SWITCH
CORD COMPLETE WITH 2 X RED
BANGLES AND JOINT UNION

K2051WHI and **K2056WHI**
Earth terminal riveted in base.
DIAMETER
76mm not including Neon Lens
FIXING CENTRES
50.8mm
BS EN 60669-1:1999

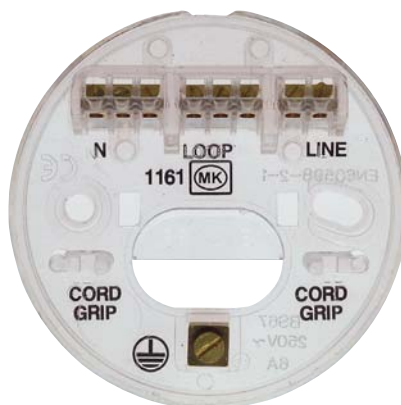
Ceiling Roses

Lampholders



Unlike most 'safety' lampholders, when a lamp is removed Shockguard Plus automatically seals the contact by means of specially designed shutter and it remains that way until the lamp is replaced.

This means that with no bulb in place there is no danger of electrocution from exposed contacts, as the contact pins are fully shielded.



The MK Ceiling Rose has a transparent base, precut aperture and clear markings for ease of installation. Terminal layout allows cables to be cut to the same length and the earth terminal is positioned for easier cable access.



K1161WHI
FOUR TERMINALS
LINE, NEUTRAL,
LOOP-IN AND EARTH

10

K1163WHI
CEILING ROSE HALO

10

Incorporate tunnel type terminals, which accommodate 3 x 2.5mm² cables and allow for off centre cable entries, transparent terminal block and equal length wire stripping. Suitable for fittings of up to 5kgs. Heavier fittings must be installed using independent support eg. ceiling hook. The ceiling roses are suitable for mounting over BS EN 61386-1:2008 circular conduit boxes.

DIAMETER
(Cover) 86mm
DEPTH
(Cover) 34mm3
BS 67:1987

The Ceiling Rose Halo gives a neat finish should the ceiling be damaged.

K1170WHI
BC PENDANT LAMPHOLDER
WITH AUTOMATIC CORDGRIP
AND STRAIGHT SKIRT

10

K1171WHI
BC PENDANT LAMPHOLDER
WITH AUTOMATIC CORDGRIP
AND PROTECTIVE SKIRT

10

K1180WHI
STRAIGHT SKIRT FOR
MK LAMP HOLDERS

10

K1181WHI
PROTECTIVE SKIRT FOR
MK LAMP HOLDERS

10

All MK lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C. BS EN 61184:1997 T2 Rated.

Ceiling Accessories

Lampholders

SG TYPE



1150WHI

1150WHI
BC PENDANT
SG TYPE LAMPHOLDER

10

Shockguard SG Type lampholders automatically shield contacts by means of a shutter when the lamp is removed. All MK SG Type lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

BS EN 61184:1997
BS 7895:1997

Pendant Sets

SG TYPE



K1186WHI

K1189WHI

K1186WHI
150MM PENDANT SET
K1189WHI
230MM PENDANT SET

10

10

K1186WHI and **K1189WHI** incorporate a lampholder (K1170WHI), heat resisting PVC insulated and sheathed flexible 0.75mm² two core circular cable complying with BS EN 50525-2-11 and a ceiling rose fitted with line, neutral, loop-in and earth terminals (K1161WHI). This assembly will support a light fitting of up to 3kgs.



1146WHI

1149WHI

1146WHI
SG TYPE
150MM PENDANT SET
1149WHI
SG TYPE
230MM PENDANT SET

10

10

1146WHI and **1149WHI** incorporate a SG lampholder (1150WHI), heat resisting PVC insulated and sheathed flexible 0.75mm² two core circular cable complying with BS EN 50525-2-11 and a ceiling rose fitted with line, neutral, loop-in and earth terminals (1174WHI). This assembly will support a light fitting of up to 3kgs.

Batten Lampholders

SG TYPE



K1172WHI

K1172WHI
BC ANGLED
1174WHI
HEAT RESISTANT TAILS,
LIVE, NEUTRAL, LOOP-IN
AND EARTH TERMINALS

10

10

All MK lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

1174WHI also incorporates heat resistant wires connecting the terminals in the base to the lampholder. It has terminals mounted in the base and knockouts which accommodate 3 x 2.5 mm² cables and allow for off centre cable entries.
BS EN 61184:1997 T2 Rated.



1152WHI

1152WHI
SG TYPE
ANGLED BATTEN
LAMPHOLDER
HEAT RESISTANT TAILS,
LIVE, NEUTRAL, LOOP-IN
AND EARTH TERMINALS

10

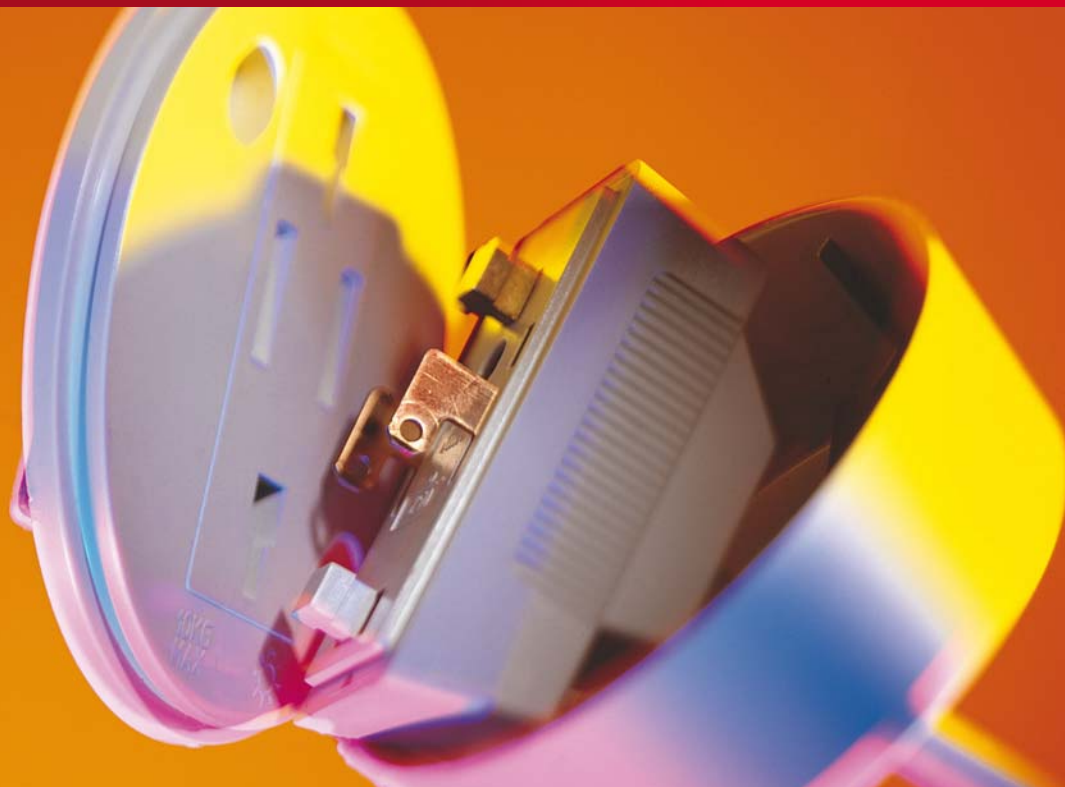
1154WHI
SG TYPE
BATTEN LAMPHOLDER
HEAT RESISTANT TAILS,
LIVE, NEUTRAL, LOOP-IN
AND EARTH TERMINALS

10

Shockguard SG Type lampholders automatically shield contacts by means of a shutter when the lamp is removed.

All MK SG Type lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

1152WHI and **1154WHI** also incorporate heat resistant wires connecting the terminals in the base to the lampholder.
BS EN 61184:1997 T2 Rated.
BS 7895:1997



LINK

RANGE INTRODUCTION

The MK Link connection and distribution system brings plug-in convenience and versatility for lighting installations.

It is a modular plug and socket interface that provides electrical connection in one easy click-in action. Luminaires can be plugged in without circuit isolation. All live contacts are inaccessible and the earthing connection is made before any other.

Wired products incorporate either heat resisting flex or low smoke zero halogen (LSF) insulated and sheathed flexible 0.75mm four core circular cable.

FEATURES & BENEFITS

- Live contacts are inaccessible
- Earth contact – first to make, last to break
- Mechanical and electrical connection in one 'click-in' action
- Strong load grips support up to 5kg

HOW TO SPECIFY

A secure lighting connection and control system, which is modular in design to enable electrical connection in one easy action. Live contacts to be inaccessible to enable luminaires to be plugged in and removed without circuit isolation. Static suspension load for plugs, sockets and pre-wired assemblies, must be able to support up to 5kg weight.

3 Pin Accessories

3 PIN PLUGS
6 AMP



K3230WHI



K3220WHI

K3212WHI

3 PIN SOCKETS
6 AMP



K3240WHI

3 PIN CEILING ROSES
6 AMP



K3232WHI

3 Pin Pre-wired

3 PIN PLUGS
6 AMP



K3233WHI

3 PIN CEILING ROSES
6 AMP



K3242WHI



K3243LSF

K3230WHI 10
WHITE 3 PIN PLUG
WITH CORD GRIP

DIMENSIONS
57 x 25 x 25mm

TERMINALS
Phase, neutral and earth terminals
will each accept 1 x 0.75,
1 x 1.00mm* conductors.

NOTE
K3230 can be used with the 4 pin
socket outlets in this range.
BS 6972 & BS 5733

K3220WHI 10
CIRCULAR (BESA)
K3212WHI 10
ARCHITRAVE
WITH TRUNKING CLAMP

DIMENSIONS
K3220
75mm dia. & 7mm depth
K3212

86 x 33 x 6mm deep & 7mm projection

FIXING CENTRES
K3220
50.8mm diagonal BESA

K3212
60.3mm
MOUNTING BOXES
K3220: Conduit BESA Egatube boxes

TERMINALS
Phase, neutral, earth & 'loop in'
terminals will each accept
5 x 0.75, 5 x 1.00, 4 x 1.50, 3 x 2.50 or
2 x 4.00mm² conductors

NOTE
only 3 pin plugs can be used with these
sockets
BS 6972 & BS 5733

K3240WHI 10
CEILING ROSE (BESA)
WITH 3 PIN PLUG

DIMENSIONS
K3240
75mm dia. x 44mm & 7mm fitting depth

FIXING CENTRES
K3240
50.8mm diagonal BESA

MOUNTING BOXES
K3240: Conduit BESA Egatube boxes
TERMINALS
Phase, neutral, earth and 'loop in'
terminals will each accept 5 x 0.75,
5 x 1.00, 4 x 1.50, 3 x 2.50, or
2 x 4.00mm conductors
BS 6972 & BS 5733.

K3232WHI 10
3 PIN PLUG FITTED WITH
2M WHITE PVC FLEX
K3233WHI 5
3 PIN PLUG FITTED WITH
3M WHITE PVC FLEX

K3232WHI & K3233WHI incorporate
K3230WHI fitted with the respective
length of heat resisting PVC insulated
and sheathed flexible 0.75mm three
core circular cable complying with
BS 6500: 2000 (Table 29).

K3242WHI 10
CEILING ROSE AND 3 PIN PLUG
FITTED WITH 2M PVC FLEX

K3243WHI 5
CEILING ROSE AND 3 PIN PLUG
FITTED WITH 3M PVC FLEX

K3242LSF 10
CEILING ROSE AND 3 PIN PLUG
FITTED WITH 2M LSF FLEX

K3243LSF 5
CEILING ROSE AND 3 PIN PLUG
FITTED WITH 3M LSF FLEX

K3242WHI & K3243WHI incorporate
K3240WHI fitted with the respective
length of heat resisting PVC insulated
and sheathed flexible 0.75mm three
core circular cable complying with
BS 6500: 2000 (Table 29).

K3242LSF & K3243LSF incorporate
K3240WHI fitted with the respective
length of low smoke zero halogen
insulated and sheathed flexible
0.75mm three core circular cable to
BS 6972 & BS 5733.

GENERAL SPECIFICATION

Rated voltage for all plugs, sockets and pre-wired assemblies 250V 50Hz
Rated load current for all plugs, sockets and pre-wired assemblies 6A
Static suspension load for plugs, sockets and pre-wired assemblies 5kg max.

4 Pin Accessories

4 PIN PLUGS
6 AMP



K4230WHI

4 PIN SOCKETS
6 AMP



K4214WHI



K4220WHI

4 PIN CEILING ROSES
6 AMP



K4240WHR



K4240WHR

4 Pin Pre-wired

PREWIRED
4 PIN PLUGS
6 AMP



K4232WHR



10 **K4232WHR**
RED 4 PIN PLUG WITH 2M
WHITE PVC FLEX.

10 **K4233WHR**
RED 4 PIN PLUG WITH 3M
WHITE PVC FLEX

K4232WHR & K4233WHR
incorporate K4230WHI fitted with the
respective length of heat resisting PVC
insulated and sheathed flexible 0.75mm
four core circular cable complying with
BS 6500:2000 (Table 29)
BS 6972 & BS 5733

PREWIRED
4 PIN CEILING ROSES
6 AMP



K4242WHR



10 **K4242WHR**
CEILING ROSE WITH RED
4 PIN PLUG AND 2M PVC FLEX

5 **K4243WHR**
CEILING ROSE WITH RED
4 PIN PLUG AND 3M PVC FLEX

10 **K4242LSF**
CEILING ROSE WITH RED
4 PIN PLUG AND 2M LSF FLEX

5 **K4243LSF**
CEILING ROSE WITH RED
4 PIN PLUG AND 3M LSF FLEX

K4242WHR & K4243WHR
incorporate K4240WHR fitted
with the respective length of
heat resisting PVC insulated and
sheathed flexible 0.75mm four
core circular cable complying with
BS 6500:2000 (Table 29)
K4242LSF & K4243LSF incorporate
K4240WHR fitted with the respective
length of low smoke zero halogen
insulated and sheathed flexible
0.75mm four core circular cable to
BS 6972 & BS 5733

10 **K4230WHI**
WHITE 4 PIN PLUG WITH
CORD GRIP

DIMENSIONS

57 x 35 x 44mm

TERMINALS

Phase neutral, earth and auxiliary
terminals will each accept
1 x 0.75, 1 x 1.00mm conductors

NOTE

K4230 cannot be used with the
3 pin socket outlets in this range.
BS 6972 & BS 5733

10 **K4214WHI**
ONE GANG 4 PIN SOCKET
OUTLET

10 **K4220WHI**
CIRCULAR (BESA) 4 PIN
SOCKET OUTLET

DIMENSIONS

K4214

86 x 86 x 9mm & 5mm depth

K4220

75mm dia. & 7mm depth

FIXING CENTRES

K4214

60.3mm

K4220

50.8mm diagonal (BESA)

MOUNTING BOXES

K4214

Surface K2160WHI,
flush dryline QFB1whi or
flush solid 861ZIC

K4220

Conduit BESA Egatube boxes

TERMINALS

Phase, neutral, earth, auxiliary &
'loop in' terminals will each accept
5 x 0.75, 5 x 1.00, 4 x 1.50,
3 x 2.50 or 2 x 4.00mm conductors

NOTE

3 and 4 pin plugs can be used with the
4 pin socket outlets in this range.
BS 6972 & BS 5733

10 **K4240WHR**
CEILING ROSE (BESA) WITH
RED 4 PIN PLUG

10 **DIMENSIONS**
FIXING CENTRES
50.8mm diagonal (BESA)

MOUNTING BOXES

Conduit BESA Egatube boxes

TERMINALS

Phase, neutral, earth, auxiliary &
'loop in' terminals will each accept
5 x 0.75, 5 x 1.00, 4 x 1.50,
3 x 2.50 or 2 x 4.00mm conductors
BS 6972 & BS 5733

GENERAL SPECIFICATION

Rated voltage for all plugs, sockets and pre-wired assemblies 250V 50Hz
Rated load current for all plugs, sockets and pre-wired assemblies 6A
Static suspension load for plugs, sockets and pre-wired assemblies 5kg max.

Mounting Boxes

ARCHITRAVE
MOULDED
FLUSH

STEEL
FLUSH

SQUARE
MOULDED
FLUSH

STEEL
FLUSH

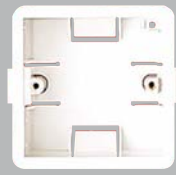
CIRCULAR
SURFACE



K2151WHI



3921ZIC



QFB1WHI



861ZIC



2ECR1WHI



QFB/IG1



2ECR3WHI



K2160WHI

K2151WHI
1 GANG
ARCHITRAVE BOX

10

K2151WHI
Earth terminal fitted in base.
DIMENSIONS
87 x 33 x 16mm
FIXING CENTRES
60.3mm
BS 5733:1995

3921ZIC
1 GANG
ARCHITRAVE BOX

With earth terminal
DIMENSIONS
75 x 27 x 27mm
FIXING CENTRES
60.3mm
KNOCKOUTS
3 x 16mm
BS 4662:1970

10

QFB1WHI
1 GANG
DRY LINING BOX

QFB/IG1
1 GANG
DRY LINING BOX
WITH INTUMESCENT GASKET

K2160WHI
1 GANG 16MM
MOULDED BOX

20

20

10

QFB1
All round flange for flush fit. One piece moulded lug automatically snaps into place. No rear projections. Clamp device on cable entry. Will accommodate partition thicknesses between 6mm and 16mm. Earth terminal facility.

K2160WHI
Earth terminal fitted in base of boxes.
DIMENSIONS
K2160: 87 x 87mm
FIXING CENTRES
60.3mm
BS 5733:1995

QFB/IG1
Pre-fitted with intumescent gaskets to give fire protection, in accordance with BS 476 Pt 22:1987. In a fire situation, a chemical reaction will occur with the intumescent material. The void behind the wiring device will be filled, providing protection against the passage of fire.

BS 4662:1970 where applicable.

861ZIC
1 GANG
ONE ADJUSTABLE LUG

With earth terminal
DIMENSIONS
75 x 75mm
FIXING CENTRES
60.3mm
KNOCKOUTS
12 x 20mm
BS 4662:1970

10

GENERAL SPECIFICATION

Rated voltage for all plugs, sockets and pre-wired assemblies 250V 50Hz
Rated load current for all plugs, sockets and pre-wired assemblies 6A
Static suspension load for plugs, sockets and pre-wired assemblies 5kg max.

20 **2ECR13WHI** 25
25 **2ECR13BLK** 25
20MM LOOP-IN
25 **2ECR1WHI** 25
25 **2ECR1BLK** 25
20MM BACK OUTLET
25 **2ECR3WHI** 25
25 **2ECR3BLK** 25
20MM TWO WAY
10 **2ECR8WHI** 10
10 **2ECR8BLK** 10
20MM TWO WAY AND
BACK OUTLET

CONDUIT BOXES
20mm Loop-in boxes have 4 x 20mm knockouts on underside.
MATERIAL
PVC-U
LID FIXING CENTRES
50.8mm
PILLAR THREAD SIZE
M4 (Brass inserts) All boxes contain a moulded recess for earth terminal.
See pages 354 for the full selection of circular conduit boxes.

Distribution Boxes



Fixing of the distribution box to lighting trunking is made easy through the choice of cable entry points.



The distribution box can be suspended on drop rods utilising Caddy Clips.*



The distribution box can be fitted directly to the wall or ceiling using the pilot holes provided in the base.



K4204 1
4 GANG 6A
4 PIN SOCKET
LIGHTING DISTRIBUTION BOX

K4206 1
6 GANG 6A
4 PIN SOCKET
LIGHTING DISTRIBUTION BOX

K4208 1
8 GANG 6A
4 PIN SOCKET
LIGHTING DISTRIBUTION BOX

K4210 1
10 GANG 6A
4 PIN SOCKET
LIGHTING DISTRIBUTION BOX

DIMENSIONS

K4204: 80 x 222 x 237mm
K4206: 80 x 222 x 290mm
K4208: 80 x 222 x 400mm
K4210: 80 x 222 x 465mm

MOUNTINGS

Provision for screw (No. 8) fix to walls or trunking and slots for *Caddy Clips on top, bottom and back faces.

Conduit entries with snap fit blanks; 20 & 25mm in top, bottom and back faces. Outlets can be wired as 1 or 2 banks.

TERMINAL CAPACITY

3 x 6mm rated at 16A.
Each socket is rated at 6A.

Extruded aluminium body with VO rated plastic terminal housing. Both 3 & 4 pin plugs can be used with the distribution box 4 pin socket outlets. BS 5733

*Caddy Clip is a registered trade mark of Erico Europa (UK) Ltd. Reading.



SENSORS

RANGE INTRODUCTION

MK Sensors are designed to deliver energy savings and lighting control in a range of commercial and domestic applications. Lighting represents 19% of a building's total energy consumption* lighting controls can help you cut that by up to 70%.

The MK Sensor range deploys PIR and ultrasonic sensing technology to provide effective presence detection.

All products in the MK sensors range have a built in photocell, providing accurate light level detection. This allows sensors to harness natural daylight, delivering further energy savings by either holding off, switching lights off or regulating to maintain a constant light level.

*Source: Department of Energy and Climate change (July 2012)

FEATURES & BENEFITS

- Built in photocell provides light level detection
- Sensors can be installed for absence detection
- 2A, 6A and 10A products
- Easy to install and program
- Flush and surface mounted variants available
- Ideal for most interior environments
- Switching and digital dimming detectors
Ideal for retrofit and new build installations

Sensors



Product featured is a Superior PIR.



Technical Hotline
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Sensors

WIRING DEVICES
WHITE

SimpleFit Sensors

DUAL MOUNT
6A



K5017

SimpleFit Sensors

DEDICATED SURFACE
AND FLUSH MOUNT
6A



K5015

K5016

Superior PIRs

SWITCHING
10A



K5030F

K5030SM

Superior PIRs

DIMMING
10A



K5040F

K5040SM

BattenFit Sensor

IP65
2A



K4047

K5017
SIMPLE FIT DUAL MOUNT
PIR SENSOR WITH
PHOTOCELL
FLUSH AND SURFACE CEILING
MOUNT
6M DETECTION
6A

DIMENSIONS
66 x 97mm

1

K5015
SIMPLE FIT PIR SENSOR
WITH PHOTOCELL
FLUSH MOUNT
CEILING MOUNT
6M DETECTION
6A

K5016
SIMPLE FIT PIR SENSOR
WITH PHOTOCELL
SURFACE MOUNT
CEILING MOUNT
6M DETECTION
6A

DIMENSIONS
FLUSH
76 x 86mm
SURFACE
86 x 86mm x 54.5mm

1

K5030F
SUPERIOR PIR
FLUSH MOUNT
10M DETECTION
10A

K5030SM
SUPERIOR PIR
SURFACE MOUNT
10M DETECTION
10A

DIMENSIONS
87 x 93mm

**K4098 HAND-HELD
PROGRAMMER REQUIRED FOR
COMMISSIONING OF THESE
PRODUCTS**

1

K5040F
SUPERIOR PIR FOR DIGITAL
DIMMING (DALI AND DSI)
FLUSH MOUNT
10M DETECTION
10A

K5040SM
SUPERIOR PIR FOR DIGITAL
DIMMING (DALI AND DSI)
SURFACE MOUNT
10M DETECTION
10A

DIMENSIONS
87 x 93mm

**K4098 HAND-HELD
PROGRAMMER REQUIRED FOR
COMMISSIONING OF THESE
PRODUCTS**

1

K4047
BATTENFIT SENSOR
2A SWITCHING PHOTOCELL
6M DETECTION
IP65

DIMENSIONS
150 x 40 x 29mm

**K4058 HAND-HELD
PROGRAMMER REQUIRED FOR
COMMISSIONING OF THESE
PRODUCTS**

1

OPERATING VOLTAGE: 230V 50Hz, Material: Flame retardant PC/ABS, RECOMMENDED CIRCUIT PROTECTION: 10A

Sensors

Ultrasonic

10A



K4030



K4031

K4030

CORNER MOUNTED, SURFACE, 10A

K4031

CORNER MOUNTED, SEMI FLUSH, 10A

DIMENSIONS

CEILING

100 x 72mm

CORNER

74 x 95mm

Hand-Held Programming tools



K4058



K4098

1

K4058

HAND HELD PROGRAMMER FOR USE WITH K4047

1

K4098

HAND HELD PROGRAMMER FOR USE WITH K5030 AND K5040

1

1





HIGH POWER DIMMER

RANGE INTRODUCTION

When an installation requires the specification of a dimmer to control larger lighting loads, the MK Electric High Power Dimmer will meet your requirements, and give you the confidence that you have specified a product which comes with MK's brand standards of quality, reliability, safety and responsibility.

As with all MK products the High Power Dimmer is manufactured to ISO 9002 certification using only the most superior manufacturing techniques and raw materials. Each product undergoes 100% electrical and visual testing to ensure reliability and safety, and is guaranteed for 2 years.

The High Power Dimmer includes a host of different functions, enabling lighting scene control, stairwell lighting and push button dimmer with memory. For applications up to 3000W loads, an installation can be specified to include a Master and up to 2 Slaves.

Dimming can offer energy savings compared to powering a lamp to full brightness.

FEATURES & BENEFITS

- Up to 1000W dimming output per unit
- Up to 3000W dimming output when utilising Master and Slaves
- Provides rotary control using a 1-10V interface such as the K4499 Fluorescent Controller Module from the MK Electric Grid Plus Range
- Universal, Trailing Edge and Leading Edge Dimmers available
- Automatic load detection on Universal module
- Central on/off function
- Staircase lighting function with or without switch-off warning
- Lighting scene control with two, user adjustable, preset scene levels
- Overload and short circuit protection

HOW TO SPECIFY

A lighting control solution for dimming loads up to a maximum of 3000W with the ability to control trailing edge and leading edge load types. Where necessary, automatic load detection and lighting scene control with two user adjustable scene levels to be available. Dimming module to have stairwell lighting control with a turn off period between 1 second and 8 minutes with a 50% brightness warning function. Dimming module to be din rail mounted and provide overload and short circuit protection.



Technical Hotline
+44 (0)1268 563720

High Power Dimmer

OPERATING MODES

Function	Description
Push button dimmer with memory	Non cyclic dimming with maximum & minimum brightness limit adjustment. Soft start switch on at last dimming level.
Push button dimmer without memory	Non cyclic dimming with maximum & minimum brightness limit adjustment. Soft start switch on at maximum level.
Push button cyclic dimmer with memory	Cyclic dimming with maximum & minimum brightness limit adjustment. Soft start switch on at last dimming level.
Push button cyclic dimmer without memory	Cyclic dimming with maximum & minimum brightness limit adjustment. Soft start switch on at maximum level.
Stairwell lighting controller with turn off warning	Time Delay Switch with 50% brightness turn off warning. Adjustable time-on period between 1sec – 2.3hrs. Adjustable turn-off warning periods between 1sec – 8min.
Stairwell lighting controller without turn of warning	Time Delay Switch without turn off warning. Adjustable brightness and time-on period.
Scene Control Dimmer	Two user adjustable preset scene levels.
Rotary Dimmer using 0/1-10V control	Rotary control dimming with conventional 0/1-10V controls, (e.g. MK K4499).

PRODUCT SELECTOR

List Number	Description	230V Tungsten Filament Lamps	12V Wirewound Transformers	12V Electronic Transformers
K1400	1kW Universal Dimmer – Master/Slave	Yes 60-1000W	Yes 50-900VA	Yes 50-900VA
K1401M	1kW Leading Edge Dimmer – Master	Yes 60-1000W	Yes 50-900VA	–
K1401S	1kW Leading Edge Dimmer – Slave	Yes 60-1000W	Yes 50-900VA	–
K1402M	1kW Trailing Edge Dimmer – Master	Yes 60-1000W	–	Yes 50-900VA
K1402S	1kW Trailing Edge Dimmer – Slave	Yes 60-1000W	–	Yes 50-900VA

COMPATIBLE WIRING DEVICES

List Number	Description	Product Range
K4499WHI / BLK	0-10V Fluorescent Controller One Module	Grid Plus
K4900WHI / BLK	10A Retractive Grid Switch	Grid Plus

High Power Dimmer

mkelectric.co.uk



1kW Din Rail Dimmer Modules

UNIVERSAL
1kW



K1400

LEADING EDGE
1kW



K1401M

1kW



K1401S

TRAILING EDGE
1kW



K1402M

1kW



K1402S

K1400 1
1kW UNIVERSAL
DIMMER – MASTER/SLAVE

DIMENSIONS

108 x 55 x 60mm
6 DIN module

MOUNTING

Suitable for mounting onto 35mm
DIN rail

TERMINALS

MAINS SUPPLY/SLAVE CONTROL

2 x 1.5mm² or 1 x 2.5mm²

T1/2/3 SWITCH CONTROL

1 x 1mm²

LOADS

Resistive, Incandescent and Mains

Halogen lamps: 60-1000W

Low voltage wire-wound

transformers: 50-900VA

Low voltage electronic transformers:

50-900VA

MAXIMUM CONTROL LINE LENGTH

100m

EN 60669-2-1

For use with up to 2 x K1400 units
configured as slaves

K1401M 1
1kW LEADING EDGE
DIMMER – MASTER

DIMENSIONS

108 x 55 x 60mm
6 DIN module

MOUNTING

Suitable for mounting onto 35mm
DIN rail

TERMINALS

MAINS SUPPLY/SLAVE CONTROL

2 x 1.5mm² or 1 x 2.5mm²

T1/2/3 SWITCH CONTROL

1 x 1mm²

LOADS

Resistive, Incandescent and Mains

Halogen lamps: 60-1000W

Low voltage wire-wound

transformers: 50-900VA

MAXIMUM CONTROL LINE LENGTH

100m

EN 60669-2-1

For use with up to 2 x K1401S or
K1402S slaves

K1401S 1
1kW LEADING EDGE
DIMMER – SLAVE

DIMENSIONS

108 x 55 x 60mm
6 DIN module

MOUNTING

Suitable for mounting onto 35mm
DIN rail

TERMINALS

MAINS SUPPLY/SLAVE CONTROL

2 x 1.5mm² or 1 x 2.5mm²

T1/2/3 SWITCH CONTROL

1 x 1mm²

LOADS

Resistive, Incandescent and Mains

Halogen lamps: 60-1000W

Low voltage wire-wound

transformers: 50-900VA

MAXIMUM CONTROL LINE LENGTH

100m

EN 60669-2-1

For use with K1401M or K1402M
Master dimmers

K1402M 1
1kW TRAILING EDGE
DIMMER – MASTER

DIMENSIONS

108 x 55 x 60mm
6 DIN module

MOUNTING

Suitable for mounting onto 35mm
DIN rail

TERMINALS

MAINS SUPPLY/SLAVE CONTROL

2 x 1.5mm² or 1 x 2.5mm²

T1/2/3 SWITCH CONTROL

1 x 1mm²

LOADS

Resistive, Incandescent and Mains

Halogen lamps: 60-1000W

Low voltage electronic transformers:

50-900VA

MAXIMUM CONTROL LINE LENGTH

100m

EN 60669-2-1

For use with up to 2 x K1401S or
K1402S slaves

K1402S 1
1kW TRAILING EDGE
DIMMER – SLAVE

DIMENSIONS

108 x 55 x 60mm
6 DIN module

MOUNTING

Suitable for mounting onto 35mm
DIN rail

TERMINALS

MAINS SUPPLY/SLAVE CONTROL

2 x 1.5mm² or 1 x 2.5mm²

T1/2/3 SWITCH CONTROL

1 x 1mm²

LOADS

Resistive, Incandescent and Mains

Halogen lamps: 60-1000W

Low voltage electronic transformers:

50-900VA

MAXIMUM CONTROL LINE LENGTH

100m

EN 60669-2-1

For use with K1401M or K1402M
Master dimmers

High Powered Dimmers are Din Rail mounted, suitable for any standard BS EN 50022 35mm Din Rail, and are 6 Din Modules wide.

Steel Boxes

25MM
FLUSH



861ZIC
1 GANG
ONE ADJUSTABLE LUG
862ZIC
2 GANG
ONE ADJUSTABLE LUG

With earth terminal and adjustable lug
DIMENSIONS
1 gang: 75 x 75mm
2 gang: 75 x 135mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
KNOCKOUTS
1 gang: 10 x 20mm
2 gang: 12 x 20mm
BS 4662:2006

10

35MM
FLUSH



K863
3 GANG
35MM DEEP
5
FOR 3 GANG K2737 LOGIC PLUS™
SWITCHSOCKET

Fitted with two earth terminals.
Two adjustable lugs.
DIMENSIONS
203 x 75mm
FIXING CENTRE
180.9mm
KNOCKOUTS
3 gang: 14 x 20mm, 6 x 25mm
BS 4662:2006

5

35MM
FLUSH



866ZIC
1 GANG
ONE ADJUSTABLE LUG
886ZIC
2 GANG
ONE ADJUSTABLE LUG

DIMENSIONS
1 gang: 75 x 75mm
2 gang: 75 x 135mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
KNOCKOUTS:
1 gang: 7 x 20mm, 3 x 25mm
2 gang: 11 x 20mm, 4 x 25mm
BS 4662:2006

10

46MM
47MM
FLUSH



877ZIC
1 GANG
46MM DEEP
878ZIC
2 GANG 47MM DEEP
ONE ADJUSTABLE LUG

DIMENSIONS
1 gang: 75 x 75mm
2 gang: 75 x 135mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
KNOCKOUTS
1 gang: 6 x 20mm, 4 x 25mm
2 gang: 9 x 20mm, 6 x 25mm
BS 4662:2006

10

5

Mounting box accessories see page 217

41MM FOR USE WITH
LOGIC PLUS™
SURFACE

41MM
SQUARE CORNERS
SURFACE

Flush and surface mounted metal boxes and frames, surface PVC and moulded urea boxes, frames and accessories.

All MK flush metal boxes are manufactured from superior materials and are fitted with earth terminals, an adjustable lug for out of square alignment and include more than an adequate number of knockouts.



K2211ALM
1 GANG
WITHOUT KNOCKOUTS
K2212ALM
2 GANG
WITHOUT KNOCKOUTS

5

5

K2213ALM
1 GANG
5 X 20MM KNOCKOUTS
K2214ALM
2 GANG
7 X 20MM KNOCKOUTS

5

5

2211ALM
1 GANG
WITHOUT KNOCKOUTS
2212ALM
2 GANG
WITHOUT KNOCKOUTS

5

5

2213ALM
1 GANG
5 X 20MM KNOCKOUTS
2214ALM
2 GANG
7 X 20MM KNOCKOUTS

5

5

All boxes are fitted with an earth terminal.
DIMENSIONS
1 gang: 86 x 86mm
2 gang: 86 x 146mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

Boxes

Steel Boxes

35MM / 47MM

FLUSH

**K14101**35MM FOR EDGE™
COMBINATION PLATE K14100**K14102**47MM FOR EDGE™
COMBINATION PLATE K14100Fitted with two earth terminals.
Two adjustable lugs.**DIMENSIONS**

279.6 x 159.5mm

FIXING CENTRES

268.2mm / 87.3mm

KNOCKOUTS

35mm 18 x 20mm, 6 x 25mm

47mm 12 x 20mm, 12 x 25mm

BS 5733:2010



K14201 / K14202



K14206 / K14207

1

K1420135MM FOR EDGE™ IN-LINE
COMBINATION PLATE K14200

1

K1420247MM FOR EDGE™ IN-LINE
COMBINATION PLATE K14200Fitted with two earth terminals.
Two adjustable lugs.**DIMENSIONS**

430 x 75mm

FIXING CENTRES

417.4mm

KNOCKOUTS

35mm Middle Box: 6 x 20mm, 2 x 25mm

35mm End Boxes: 15 x 20mm, 5 x 25mm

47mm Middle Box: 4 x 20mm, 4 x 25mm

47mm End Boxes: 10 x 20mm, 10 x 25mm

BS 5733:2010

1

K1420635MM FOR EDGE™ IN-LINE
COMBINATION PLATE K14205

1

K1420747MM FOR EDGE™ IN-LINE
COMBINATION PLATE K14205Fitted with two earth terminals.
Two adjustable lugs.**DIMENSIONS**

392 x 75mm

FIXING CENTRES

382.5mm

KNOCKOUTS

35mm Left 2G Box: 7 x 20mm, 3 x 25mm

35mm Middle Boxes: 4 x 20mm

35mm Right Box: 6 x 20mm

47mm Left 2G Box: 4 x 20mm, 6 x 25mm

47mm Middle Boxes: 2 x 20mm, 1 x 25mm

47mm Right Box: 4 x 20mm, 1 x 25mm

BS 5733:2010

1

1

Steel Boxes

35MM / 47MM

FLUSH

47MM

FLUSH



853ZIC



857ZIC



867ZIC

853ZIC35MM FOR LOGIC PLUS™
4 GANG COMBINATION PLATE K2740WHI**854ZIC**47MM FOR LOGIC PLUS™
4 GANG COMBINATION PLATE K2740WHI

BS 5733:2010

DIMENSIONS

279.6 x 159.5mm

1

857ZIC35MM FOR LOGIC PLUS™
2 GANG COMBINATION PLATE K2741WHI

1

858ZIC47MM FOR LOGIC PLUS™
2 GANG COMBINATION PLATE K2741WHI
AND 4+4 MODULE COMBINATION PLATES
(EDGE™/ASPECT/ELEMENTS)

BS 5733:2010

DIMENSIONS

135 x 159.5mm

1

867ZIC47MM BOX FOR
2+1 COMBINATION PLATE
(EDGE™)

1

BS EN 60670-1:2005

DIMENSIONS

220 x 75mm

1

Mounting box accessories see page 217



Technical Hotline
+44 (0)1268 563720

Boxes

Steel Boxes

47MM

FLUSH



868ZIC

47MM BOX FOR
1G+2G+1G COMBINATION PLATE
(EDGE™/ASPECT/ELEMENTS)

BS EN 60670-1:2005
DIMENSIONS
305 x 75mm

1

869ZIC

47MM BOX FOR
6+6 MODULE COMBINATION PLATE
(EDGE™/ASPECT/ELEMENTS)

BS EN 60670-1:2005
DIMENSIONS
203 x 159.5mm

1

47MM

FLUSH



870ZIC

870ZIC

47MM BOX FOR
2+1 COMBINATION PLATE
(ASPECT/ELEMENTS)

BS EN 60670-1:2005
DIMENSIONS
220x75mm

1

41MM

SURFACE



2001ALM

1 GANG
WITHOUT KNOCKOUTS

5

2002ALM

2 GANG
WITHOUT KNOCKOUTS

5



2003ALM

1 GANG
5 X 20MM KNOCKOUTS

5

2004ALM

2 GANG
7 X 20MM KNOCKOUTS

5

All boxes are fitted with an earth terminal.

DIMENSIONS
1 gang: 86 x 86mm
2 gang: 86 x 146mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

Mounting box accessories see page 217

Boxes

Steel Boxes

48MM
SURFACE



K5400WHI 1
2 GANG
4 X 20MM KNOCKOUTS
4X 25MM KNOCKOUTS

DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
BS 5733:2010

55MM
FLUSH



5120ALM 1
FOR FLUSH
COOKER CONTROL UNIT
K5011WHI

Fitted with two earth terminals.
DIMENSIONS
152 x 140 x 55mm
KNOCKOUTS
5 x 25mm.
Two in each of the top & bottom,
one in the back.
BS 4177:1992

65MM
FLUSH



5268ALM 1
FOR 32 AMP
TP & N SWITCHES 5114WHI

Fitted with 2 earth terminals
DIMENSIONS
178 x 114 x 65mm
KNOCKOUTS
5 x 25mm.
Two in each of the top and bottom,
one in the back.
BS 5733:2010

40MM
SURFACE



K829ALM 5
1 GANG
WITHOUT KNOCKOUTS
K830ALM 5
2 GANG
WITHOUT KNOCKOUTS
K899ALM 10
1 GANG
5 X 20MM KNOCKOUTS
K897ALM 5
2 GANG
8 X 20MM KNOCKOUTS

Spares or replacements for the
surface Metalclad Plus range.
All boxes are fitted with an earth
terminal.
BS 5733:2010

ARCHITRAVE
FLUSH



3921ZIC 10
1 GANG
DIMENSIONS
1 gang: 75 x 27 x 27mm
FIXING CENTRES
1 gang: 60.3mm
KNOCKOUTS
1 gang: 3 x 16mm
BS 4662:2006

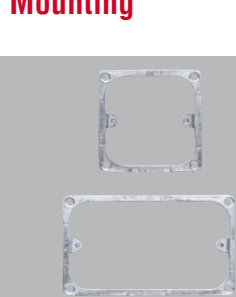
Metal Frames For Panel Mounting

DUAL
FLUSH



887ZIC 5
DUAL BOX
888ZIC 10
DIVIDING SCREEN
FOR DUAL BOX

Dual box 887ZIC will accept any two flush
accessories with 86mm square plates and
two M3.5 fixing holes on 60.3mm centres.
Fitted with 2 earth terminals.
DIMENSIONS
75 x 161 x 35mm
KNOCKOUTS
2 gang: 10 x 20mm, 4 x 25mm
BS 4662:2006



K2200 10
1 GANG
K2202 5
2 GANG
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

Blank Plates

METALCLAD PLUS™



K3390ALM 5
FOR 1 GANG
SURFACE BOXES
K899 & K829
K3369ALM 5
FOR 2 GANG
SURFACE BOXES
K830 & K897

DIMENSIONS
K3390: 86 x 86mm
K3369: 86 x 147mm
FIXING CENTRES
K3390: 60.3mm
K3369: 120.6mm
BS 5733:2010

METALCLAD



3390ALM 10
FOR 1 GANG SURFACE
BOXES 899 & 829
3370ALM 10
FOR 1 GANG SURFACE
BOXES 891 & 821
3369ALM 5
FOR 2 GANG SURFACE
BOXES 892 & 822

DIMENSIONS
3390: 81 x 81mm
3370: 76 x 76mm
3369: 76 x 136mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010



Technical Hotline
+44 (0)1268 563720

Boxes

PVC Boxes

19MM
SURFACE



2120WHI 10
FOR 1, 2 AND 3 GANG
PLATESWITCHES

With earth terminal
DIMENSIONS
87 x 87mm
FIXING CENTRES
60.3mm

Knockouts 'cut-out' provided in top and bottom for 16mm oval PVC conduit. 20mm round 'push-out' type knockout in base for cable entry. Fixing holes are also provided for mounting to wall or over BS 4568-2 small circular boxes.
BS 5733:2010

32MM
SURFACE



2180WHI 10
1 GANG
2181WHI 10
1 GANG

DIMENSIONS
87 x 87mm
FIXING CENTRES
60.3mm

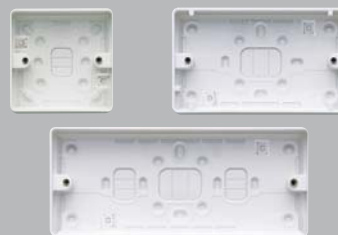
KNOCKOUTS
2180: One 'push-out' for 20mm oval conduit in top, one 'cut-out' for 20mm or 25mm oval conduit and one 20mm round 'push-out' in the base.
2181: One 'push-out' for 20mm round conduit in top and one 20mm round 'push-out' in base.
BS 5733:2010



2182WHI 5
2 GANG
2183WHI 5
2 GANG

DIMENSIONS
87 x 148mm
FIXING CENTRES
120.6mm

KNOCKOUTS
2182: Two 'push-outs' for 20mm oval conduit in top, two 'cut-outs' for 20mm or 25mm oval conduit and one 20mm round 'push-out' in base
2183: One 'push-out' for 20mm round conduit in top and one 20mm round 'push-out' in base.
BS 5733:2010



K2181WHI 10
FOR 1 GANG LOGIC PLUS™ POWER ACCESSORIES
K2183WHI 5
FOR 2 GANG LOGIC PLUS™ POWER ACCESSORIES
K2185WHI 5
FOR 3 GANG LOGIC PLUS™ POWER ACCESSORIES

KNOCKOUTS

K2181: One 'cut-out' for 20mm round conduit in top face, one 'cut-out' for 20mm or 25mm oval conduit in lower face and one 20mm round 'push-out' in the base.

K2183 and K2185: One 'cut-out' for 20mm round conduit in top face, two 'cut-outs' for 20mm or 25mm oval conduit in lower face and one 20mm round 'push-out' in the base. Both boxes are suitable for fitting over 1 gang and 2 gang BS 4662 flush steel boxes respectively.

DIMENSIONS

1 gang: 87 x 87mm
2 gang: 87 x 148mm
3 gang: 87 x 208mm

FIXING CENTRES

1 gang: 60.3mm
2 gang: 120.6mm
3 gang: 180.9mm
BS 4662:2006
where applicable

Moulded Boxes

ARCHITRAVE
SURFACE



K2151WHI 10
1 GANG
ARCHITRAVE BOX
K2152WHI 5
2 GANG
ARCHITRAVE BOX

Earth terminal fitted in base of boxes.

DIMENSIONS
1 gang: 87 x 33 x 16mm
2 gang: 148 x 33 x 16mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

16MM
SURFACE

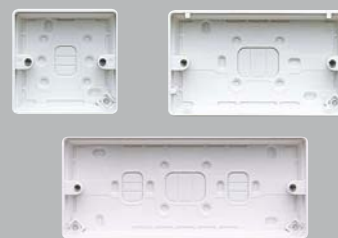


K2160WHI 10
FOR 1, 2 AND
3 GANG LOGIC PLUS™ PLATESWITCHES
K2161WHI 5
FOR 4 AND 6 GANG
LOGIC PLUS™
PLATESWITCHES

Earth terminal fitted in base of boxes. Knockouts provided in sides and bases.

DIMENSIONS
1 gang: 87 x 87mm
2 gang: 87 x 148mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

30MM
SURFACE



K2140WHI 10
FOR 1 GANG
LOGIC PLUS™
POWER ACCESSORIES
K2142WHI 5
FOR 2 GANG
LOGIC PLUS™
POWER ACCESSORIES
K2153WHI 5
FOR 3 GANG
LOGIC PLUS™
POWER ACCESSORIES

Knockouts in base and sides for cable entry
K2142 and K2153 are suitable for fitting over 1 gang and 2 gang BS 4662 flush steel boxes respectively

DIMENSIONS
1 gang: 87 x 87mm
2 gang: 87 x 148mm
3 gang: 87 x 208mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
3 gang: 180.9mm
BS 5733:2010

Boxes

Moulded Boxes

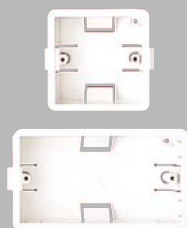
32MM
SURFACE



44MM
SURFACE



DRY LINING
35MM
FLUSH



MI CABLE BOXES
37MM
SURFACE



2140WHI 10
FOR 1 GANG
POWER ACCESSORIES
SQUARE CORNERS

Knockouts are provided in base and sides for cable entry

DIMENSIONS
1 gang: 87 x 87mm
2 gang: 87 x 148mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

2031WHI 10
FOR 1 GANG
POWER ACCESSORIES
SQUARE CORNERS

Knockouts in base and sides for cable entry.

DIMENSIONS
87 x 87mm
FIXING CENTRES
60.3mm
BS 5733:2010

QFB1WHI 20
1 GANG
QFB2WHI 10
2 GANG

All round flange for a flush fit. One piece moulded lug automatically snaps into place. No rear projections. Clamp device on cable entry. Will accommodate partition thickness between 6mm and 16mm. Earth terminal facility.
BS 4662:2006

QFB/IG1 20
1 GANG WITH
INTUMESCENT GASKET
QFB/IG2 10
2 GANG WITH
INTUMESCENT GASKET

QFB/IG1 & QFB/IG2
Pre-fitted with intumescent gaskets to give fire protection, in accordance with BS 476-2:1987. In a fire situation, a chemical reaction will occur with the intumescent material. The void behind the wiring device will be filled, providing protection against the passage of fire.
BS 4662:2006

K2131WHI 5
1 GANG
10 CLAMPS
K2132WHI 5
2 GANG
12 CLAMPS

Clamps accept 20mm sealing pots.
DIMENSIONS
1 gang: 92 x 92mm
2 gang: 92 x 152mm
FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010

DUAL BOX
38MM
SURFACE



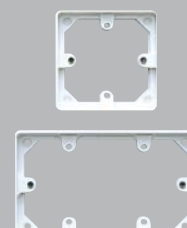
40MM
SURFACE



FLANGE BOXES
45MM
FLUSH



Mounting
Patresses
SURFACE



K2025WHI 5
FOR MOUNTING
TWO 1 GANG
LOGIC PLUS™
ACCESSORIES

This box has two slots in base with 60.3mm and 120.6mm fixing centres for fitting over BS 4226 flush boxes. Knockouts provided for cable entry. Includes integral dividing fillet.
DIMENSIONS
86 x 172 mm
BS 5733:2010

K2031WHI 10
FOR 1 GANG
LOGIC PLUS™
POWER ACCESSORIES
K2172WHI 5
FOR 2 GANG
LOGIC PLUS™ 50 AMP
DP SWITCHES

Knockouts provided in sides and base.
K2172: Earth terminal fitted in base of box.
DIMENSIONS
K2031: 87 x 87mm
K2172: 87 x 148mm
FIXING CENTRES
K2031: 60.3mm
K2172: 120.6mm
BS 5733:2010

K2061WHI 5
1 GANG
K2062WHI 5
2 GANG

DIMENSIONS
K2061: 88 x 88mm
K2062: 88 x 148mm
FIXING CENTRES
K2061: 60.3mm
K2062: 120.6mm
BS 5733:2010

K2134WHI 10
1 GANG 20MM DEEP
FOR LOGIC PLUS™
ACCESSORIES
K2133WHI 10
2 GANG 20MM DEEP
FOR LOGIC PLUS™
ACCESSORIES

FIXING CENTRES
1 gang: 60.3mm
2 gang: 120.6mm
BS 5733:2010



Technical Hotline
+44 (0)1268 563720

Boxes

LOGIC PLUS™ ACCESSORIES/BOX COMPATIBILITY CHART

SURFACE MOUNTING

	DEPTH: (MM)									
	16 MOULDED	30 MOULDED	32* PVC	38 MOULDED	40 MOULDED	41 STEEL	41* STEEL	48* STEEL	55	
MOULDED										
1 GANG SOCKETS (13A)		K2140	K2181	K2025	K2031	K2211ALM	K2213ALM			
2 GANG SOCKETS		K2142	K2183		K2172	K2212ALM	K2214ALM	K5400		
3 GANG SOCKETS		K2153	K2185							
RCD SOCKETS					K2172	K2212ALM	K2214ALM	K5400		
FILTERED SOCKETS					K2172	K2212ALM	K2214ALM	K5400		
CONNECTION UNITS		K2140	K2181	K2025	K2031	K2211ALM	K2213ALM			
20A DP SWITCHES		K2140	K2181	K2025	K2031	K2211ALM	K2213ALM			
K5105 32A DP SWITCH		K2140	K2181	K2025	K2031	K2211ALM	K2213ALM			
K5205, K5215 (CK & SH)					K2172	K2212ALM	K2214ALM			
K5230								K5400		
K5060, K5061					K2212	K2214ALM		K5400		
K5040, K5041										
K5001										
K700		K2140	K2181	K2025		K2211ALM	K2213ALM			
K701					K2172					
1, 2 & 3 GANG SWITCHES	K2160	K2140	K2181	K2025	K2031	K2211ALM	K2213ALM			
4 & 6 GANG SWITCHES	K2161	K2142	K2183		K2172	K2212ALM	K2214ALM	K5400		
1 GANG ARCHITRAVE SWITCH	K2151									
2 GANG ARCHITRAVE SWITCH	K2152									
DIMMERS USING PATRESS										
K1501, K1511, K1531, K1532	K2160									
K1521, K1534, K1533, K1535	K2160									
DIMMERS NOT USING PATRESS										
K1501, K1511, K1531, K1532		K2140	K2181	K2025	K2031					
K1521, K1534, K1533, K1535		K2140	K2181	K2025		K2211ALM	K2213ALM			
DATA/TELECOM PLATES	K2160	K2140	K2181	K2025		K2211ALM	K2213ALM			

FLUSH MOUNTING

(STEEL & DRY LINING)	DEPTH: (MM)						
	16	25*	27*	35*	45	47*	55
1 GANG SOCKETS (13A)		861ZIC		QFB/IG1	K2061	877ZIC	
2 GANG SOCKETS		862ZIC		QFB/IG2	K2062	878ZIC	
3 GANG SOCKETS		K863					
RCD SOCKETS				886ZIC	K2062	878ZIC	
FILTERED SOCKETS				886ZIC	K2062	878ZIC	
CONNECTION UNITS				866ZIC	K2061	877ZIC	
20A DP SWITCHES				866ZIC	K2061	877ZIC	
K5105 32ADP SWITCH				866ZIC		877ZIC	
K5205, K5215 (CK & SH)				886ZIC	K2062	878ZIC	
K5012							5120ALM
K5045					K2061	877ZIC	
K5060, K5061				886ZIC	K2061	878ZIC	
K5011							5120ALM
K700		861ZIC		866ZIC	K2061	877ZIC	
K701						878ZIC	
1, 2 & 3 GANG SWITCHES		861ZIC		866ZIC	K2061	877ZIC	
4 & 6 GANG SWITCHES		862ZIC		886ZIC	K2062		
1 GANG ARCHITRAVE SWITCH			3921ZIC				
DIMMERS USING PATRESS							
K1501, K1511, K1531, K1532							
K1521, K1534, K1533, K1535						878ZIC	
DIMMERS NOT USING PATRESS							
K1501, K1511, K1531, K1532		861ZIC		866ZIC	K2061	877ZIC	
K1521, K1534, K1533, K1535		861ZIC			K2062	877ZIC	
DATA/TELECOM PLATES		861ZIC		866ZIC	K2061	877ZIC	

■ BOX SUPPLIED WITH ACCESSORY

■ DEPENDENT UPON MODULES USED

* WITH CONDUIT ENTRY KNOCKOUTS

NOTE: THE SIZE OF THE CABLE AND NATURE OF INSTALLATION SHOULD BE TAKEN INTO CONSIDERATION WHEN CHOOSING BOX DEPTH.

Ancillary Products

Switchsocket Outlets

MINI LOGIC
SURFACE
13 AMP

PANEL MOUNTING
13 AMP

Socket Outlets

PANEL MOUNTING
13 AMP



2959WHI



2531WHI



734WHI



2949WHI



2532WHI



735WHI



1232D1

2959WHI

1 GANG SP

2949WHI

2 GANG SP

These products are supplied with a mounting box.
Mounting boxes have knockouts for cables.

DIMENSIONS

1 gang: 74 x 64 x 46mm

2 gang: 133 x 64 x 46mm

BS 1363-2:1995

10

2531WHI

1 GANG SP

SWITCHSOCKET

5

2532WHI

2 GANG SP

SWITCHSOCKET

Supplied with M3.5 threaded eyelets and fixing screws.

These products have side entry terminals.

BS 1363-2:1995

5

734WHI

1 GANG

CRUCIFORM SOCKET

10

5

735WHI

1 GANG

CIRCULAR SOCKET

10

1232D1

1 GANG

NON STANDARD

10

Supplied with M3.5 threaded eyelets and fixing screws.

734 and 735 have side entry terminals.

They are also available with rear entry terminals.

Use suffix D5WHI when ordering.

1232D1 has rear entry terminals and is provided with facilities for 'clean earth' connection and are suitable for non-standard plugs with 'T' shaped earth pin.

734, 735

BS 1363-2:1995

1232D1

BS 1363-2:1995 where relevant.

Triple Pole & Neutral Switches

METAL FLUSH
32 AMP



5114WHI

SURFACE



5115WHI



5116WHI

Energy Saving Switch

FLUSH



4724WHI



4700WHI

Clock Connectors

FUSED



995WHI

5114WHI
FLUSH MOUNTED
WITH NEON

1

5115WHI
SURFACE MOUNTED
WITH NEON

1

5116WHI
SURFACE MOUNTED
WITH NEON

1

4724WHI
20A DP SWITCH
WITH KEYTAG

10

4700WHI
SPARE KEYTAG

10

995WHI
FLUSH MOUNTING

10

MOUNTING BOX FLUSH

5268ALM

These products have a utilisation category of AC22 – rated operational current (Ie), 32A – rated operational voltage (Ue), 440V. They are suitable for switching mixed resistive and inductive loads including moderate overloads.

5114 is also available in Albany Plus finishes (page 178).

All switches may be locked in the 'ON' or 'OFF' position with 1 the use of the MK Padlock K2000.

5116 is available in Metalclad Plus version (page 230).

TERMINAL CAPACITY

16mm² conductors. On surface mounted versions the earth terminal is fitted on base of box.

DIMENSIONS

5114 203 x 140mm

5115 182 x 118 x 82mm

5116 137 x 76 x 53mm

KNOCKOUTS

5115 5 x 25mm. Two top and bottom, one in back

5116 6 x 20mm. Wiring space limits recommended cable size to 6mm².

BS EN 60947-3:1999

MOUNTING BOXES

FLUSH

866ZIC

SURFACE

2160WHI

The MK Energy Saving Switch provides a simple and effective way of reducing electricity consumption while increasing safety in buildings where appliances may be left on in unoccupied rooms.

By removing the keytag the power is switched off eliminating the need to switch off each individual light or appliance. A neon locator light on the switch unit makes it easy to locate when entering darkened rooms.

DIMENSIONS

86 x 86mm

FIXING CENTRES

60.3mm

BS EN 60669-1:1999

Fitted with 2 amp fuse-link to BS 1362. Terminals will accommodate 2.5mm² conductors.

995WHI

Includes earthing facilities and is suitable for mounting in BS 4662 boxes. The removable fuse carrier is fully recessed and total projection of the plate is only 4.2mm. A knockout on the underside is provided so an M3.5 screw or hook engages with a tapped lug on the box (for hanging a wall clock).

DIMENSIONS

995WHI 86 x 86mm

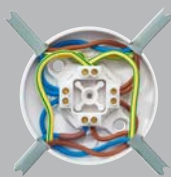
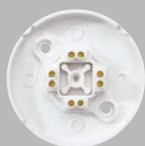
FIXING CENTRES

995WHI 60.3mm

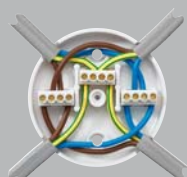
BS 5733:2010

Ancillary Products

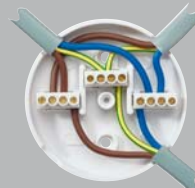
Junction Boxes



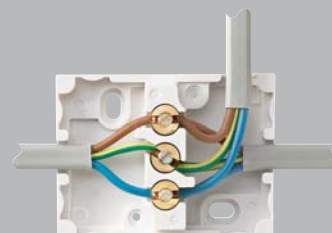
1131WHI



1132WHI



1133WHI



1130WHI

1131WHI

4 TERMINAL BLOCKS
10A

DIMENSIONS

OVERALL DIAMETER

81.5mm

DEPTH WITH COVER

22.5mm

TERMINAL CAPACITY

1131 6 x 1.5mm² conductors1132 4 x 4mm² conductors

BS EN 60670-22 (where applicable)

10 1132WHI

3 TERMINAL BLOCKS
30A

DIMENSIONS

OVERALL DIAMETER

81.5mm

DEPTH WITH COVER

22.5mm

TERMINAL CAPACITY

1131 6 x 1.5mm² conductors1132 4 x 4mm² conductors

BS EN 60670-22 (where applicable)

10 1133WHI

3 TERMINAL BLOCKS
30A

DIMENSIONS

OVERALL DIAMETER

95mm

DEPTH WITH COVER

25mm

TERMINAL CAPACITY

Each terminal block accepts

up to 4 x 6mm² conductors

BS EN 60670-22 (where applicable)

10 1130WHI

3 TERMINAL
30A

Particularly suitable for taking spurs off un-cut ring circuit conductors.

DIMENSIONS

86 x 64 x 31mm

TERMINAL CAPACITY

Each terminal accepts

3 x 4mm² conductors.

CABLE ENTRIES

Two opposite 'through' entries are 'open'.

Eight further knockouts are provided.

BS EN 60670-22 (where applicable)

Terminal Blocks

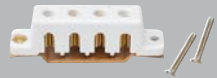
Service Connector Boxes

Accessories For Boxes

Neon Lamp Assemblies



913WHI



914WHI



1100BLK



1101BLK



3714



3710



800ZIC



3840ZIC



5144SS000T9



17270SS

913WHI

3 WAY

914WHI

4 WAY

TERMINAL CAPACITY

913

Each terminal accepts up to 3 x 2.5mm² (solid conductors) or 3 x 4mm² (stranded conductors).

914

Each terminal accepts up to 4 x 1.5mm² conductors.

FIXING CENTRES

60.3mm for mounting on 'spare' lugs of 4 or 6 lug BS 4662 boxes.

5

5

1100BLK

5 WAY DOUBLE POLE
100A

1101BLK

5 WAY SINGLE POLE
100A

TERMINAL CAPACITY

All 35mm²

Where it is necessary to take the outer sheath of a double insulated cable into the box, the cable sizes are restricted to 16mm².

DIMENSIONS (OVERALL)

1100BLK 110 x 70 x 60mm

1101BLK 65 x 50 x 38mm

BS 7657:2010

10

10

3714

BRASS EARTH TERMINAL
WITH BRACKET

K3716

BRASS EARTH TERMINAL

3710

EXTENSION STUD

M3.5

ZINC-PLATED STEEL

OVERALL LENGTH 34MM

800ZIC

BOX FIXING FLANGE

USE TWO TO MOUNT ANY FLUSH

MK BOX IN A DRY-PARTITION WALL

3840ZIC

CONVERSION BRACKET

COMPLETE WITH EARTH TERMINAL.

CONVERTS 25MM DEEP FLUSH SWITCH

BOXES WITH 42MM FIXING CENTRES TO

ACCOMMODATE PLATESWITCHES WITH

60.3MM FIXING CENTRES

100

100

100

20

10

5144SS000T9

LAMP LEAD AND
RESISTOR ASSEMBLY
FOR CEILING SWITCH BLOCKS
AND 32A DP SWITCHES

17270SS

LAMP LEAD AND
RESISTOR ASSEMBLY
TAG ENDED NEON FOR USE WITH
45A, 50A SWITCHES AND COOKER
CONTROL UNITS

7179PS

LAMP LEAD AND RESISTOR
ASSEMBLY, MALE CONNECTOR
FOR SWITCHSOCKETS

1

10

10

Ancillary Products

Fuse-Links

BS 646:1958
250V 50-60 HZ

BS HD 60269-3:2010
250V 50-60HZ

BS 1362:1973
250V 50-60HZ

Extra Screws

USE WITH
EDGE™/ASPECT™
FRONTPLATES



K600



K630



K602



K601



K606



K603



K605



K604



K610



K612



K609



K608



K607



K600
5A RED
K630
3A BLACK
K602
2A YELLOW
K601
1A GREEN

DIMENSIONS
OVERALL LENGTH
19.1mm +0.8mm -0.4mm
END-CAP DIAMETER
5.3mm +0.1mm -0.1mm
END-CAP LENGTH
4.0mm +0.8mm -0.8mm

10 K606
32A RED
10 K603
20A YELLOW
10 K605
16A BLUE
10 K604
5A WHITE

K606
OVERALL LENGTH
29.0mm +0.4mm -0.4mm
END-CAP DIAMETER
12.7mm +0.1mm -0.1mm
END-CAP LENGTH
8.0mm +0.5mm -0.5mm
K604
OVERALL LENGTH
23.0mm +0.0mm -0.8mm
END-CAP DIAMETER
6.35mm +0.1mm -0.1mm
END-CAP LENGTH
4.8mm +0.5mm -0.5mm
K603, K605
OVERALL LENGTH
26.0mm +0.2mm -0.6mm
END-CAP DIAMETER
10.32mm +0.1mm -0.1mm
END CAP LENGTH
6.4mm +0.5mm -0.5mm

10 K610
13A BROWN*
10 K612
3A RED*
10 K609
10A BLACK #
10 K608
5A BLACK#
10 K607
2A BLACK#

* These ratings are for use with plugs complying with BS 1363, fused connections units and similar accessories.

These ratings are for use with fused connection units and similar accessories.

DIMENSIONS
OVERALL LENGTH
25.4mm +0.8mm -0.4mm
END-CAP DIAMETER
6.3mm +0.2mm -0.5mm
END-CAP LENGTH
5.5mm +0.8mm -0.8mm

100 43066SSABST9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSNIPT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSDBZT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSLBKT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSLIVT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSPBRST9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSBRST9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSWHIT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSTCOT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 43066SSTIRT9
SCREW M3.5 22MM
(2 SCREWS/PKT)
100 4352SSABST9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSDBZT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSLBKT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSLIVT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSBRST9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSTCOT9
SCREW M3.5 28MM
(2 SCREWS/PKT)

100 4352SSTIRT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSWHIT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSNIPT9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSPBRST9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 4352SSABST9
SCREW M3.5 28MM
(2 SCREWS/PKT)
100 K14S42506ABST9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506DBZT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506LBKT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506BRST9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506TCOT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506TIRT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506NIPT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506LIVT9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506PBRST9
SCREW M3.5 47MM
(2 SCREWS/PKT)
100 K14S42506WHIT9
SCREW M3.5 47MM
(2 SCREWS/PKT)

BRS finish for use with SAG accessories.

NIP finish for use with BSS, BRC, ALM, PCR/POC and Logic Plus™ accessories.

Tamperproof screws include one key per pack.



Technical Hotline
+44 (0)1268 563720

Ancillary Products

Replacement Components

USE WITH
EDGE™/ASPECT™
GRID PLUS™
FRONTPLATES

USE WITH
LOGIC PLUS™/ALBANY PLUS™
GRID PLUS™
FRONTPLATES

USE WITH
LOGIC PLUS™/ALBANY PLUS™
FRONTPLATES



3405ZIC

- 48370SSABST9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSDBZT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSLBKT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSLIVT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSBRST9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSSTCOT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSSTIRT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSPBRT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSNIPT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)
- 48370SSWHIT9** 100
SCREW M3.0 12MM
(2 SCREWS/PKT)

BRS finish for use with SAG accessories.
NIP finish for use with BSS, BRC, ALM, PCR/POC
and Logic Plus™ accessories.
Tamperproof screws include one key per pack.

- 11130BR SMA** 100
SCREW M3.0 12MM
- 11130NIPMA** 100
SCREW M3.0 12MM
- 11430BR SMA** 100
SCREW M3.0 12MM
TAMPERPROOF
- 11430NIPMA** 100
SCREW M3.0 12MM
TAMPERPROOF

BRS finish for use with SAG accessories.
NIP finish for use with BSS, BRC, ALM, PCR/POC
and Logic Plus™ accessories.
Tamperproof screws include one key per pack.

- 11135NIPMA** 100
SCREW M3.5 14MM
- 11135BR SMA** 100
SCREW M3.5 14MM
- 11135NIPMB** 100
SCREW M3.5 22MM
- 11135BR SMB** 100
SCREW M3.5 22MM
- 11135NIPMN** 100
SCREW M3.5 25MM
- 11135BR SMN** 100
SCREW M3.5 25MM
- 11135BR SME** 100
SCREW M3.5 32MM
- 11135NIPME** 100
SCREW M3.5 32MM
- 11135BR SMG** 100
SCREW M3.5 48MM
- 11135NIPMG** 100
SCREW M3.5 48MM
- 11435BR SMJ** 100
SCREW M3.5 29MM
TAMPERPROOF
- 11435NIPMJ** 100
SCREW M3.5 29MM
TAMPERPROOF
- 11435BR SME** 100
SCREW M3.5 35MM
TAMPERPROOF
- 11435NIPME** 100
SCREW M3.5 35MM
TAMPERPROOF

BRS finish for use with SAG accessories.
NIP finish for use with BSS, BRC, ALM, PCR/POC
and Logic Plus™ accessories.
Tamperproof screws include one key per pack.

- 645NIP** 100
SECRET SCREW
FOR USE WITH 646, 655 & 647
- 644ZIC** 10
KEY FOR 645NIP
- 3400ZIC** 10
TAMPERPROOF KEY
- 3405ZIC** 10
DUAL USE KEY FOR TAMPER
PROOF KEY SWITCH AND SECRET
SCREW CONNECTION UNITS