



ALBANY PLUS™

RANGE INTRODUCTION

Available in Brushed Stainless Steel, Brushed Chrome, Satin Gold and Polished Chrome finishes, Albany Plus™ brings stylish yet subtle good looks to both contemporary and classical interiors.

Being manufactured from the finest materials, Albany Plus™ wiring devices maintain their high quality appearance for years to come.

Echo™ is an innovative range of entirely wireless, batteryless and self powered switches, only available from MK Electric and in finishes to complement the Albany Plus™ range. Please see page 21 for details.

HOW TO SPECIFY

A metal, flush mounting range of wiring devices. Frontplates with a maximum 9mm profile and subtle 7mm radius rounded corners. Cable connections must be upward facing with easy to identify white markings on a dark background, grouped in a straight line with captive terminal screws for ease of installation. All sockets to have a 3 pin operated shutter safety mechanism and double pole switching, with the contacts designed such that the neutral makes before and breaks after the live pole for improved safety. Switches to be large and concave with a minimum 3mm contact gap with a positive 'click' to denote successful operation.

FEATURES & BENEFITS

AVAILABLE IN BRUSHED STAINLESS STEEL, BRUSHED CHROME, SATIN GOLD AND POLISHED CHROME

Providing a range of products that complement the décor and requirements of any interior.

ALBANY PLUS™ BRUSHED CHROME AND SATIN GOLD ARE PRE-TREATED WITH A HEAT-CURED POWDER LACQUER FINISH

Brushed Chrome and Satin Gold products are coated with a special heat-cured powder lacquer finish ensuring that the range is durable, tarnish resistant and maintains its stylish and understated appearance for many years.

TOTAL SAFETY

MK sockets have a 3-pin operated "child resistant shutter system", which is designed to inhibit access to the electricity supply unless all 3 pins of a standard British 13A plug are in position.

DESIGN SERVICE

Perfect for when only a customised solution will do.

Albany Plus™

mkelectric.co.uk



DOUBLE POLE
SWITCHING

MATCHING
SCREWS



STYLISH CURVED DESIGN
Blends unobtrusively into the
environment

3-PIN "CHILD RESISTANT SHUTTER
SYSTEM"
Designed to inhibit access to the
electricity supply, unless all 3 pins of a
standard British 13A plug are in position

PRE-TREATED HEAT-CURED POWDER
LACQUER FINISH (BRC AND SAG)
Ensures that the range is durable and
tarnish resistant

Terminal screws are backed out
and captive. Terminals are upwards
facing to make installation easier.

Funnel entrance to terminals.

Clear terminal markings for easy
identification.



Polished Chrome finish
complements modern
interior design.



Brushed Chrome finish has subtle good looks to suit
classic interiors.



Albany Plus™

mkelectric.co.uk



Switchsocket Outlets

1 GANG DP
ROUND PIN
15 AMP



Switchsocket Outlets RCD Protected

1 GANG DP 30MA
RATED TRIPPING
CURRENT ACTIVE
CONTROL CIRCUIT
13 AMP



1 GANG DP 30MA
RATED TRIPPING
CURRENT PASSIVE
CONTROL CIRCUIT
13 AMP



Socket Outlets

1 GANG
13 AMP



2 GANG WITH
DUAL EARTH
TERMINALS
13 AMP



FINISHES

BRUSHED STAINLESS STEEL	K2883BSS	5	K6301BSS	1	K6304BSS	1	K732BSS	5	K733BSS	5
BRUSHED CHROME	K2883BRC	1	K6301BRC	1	K6304BRC	1	K732BRC	1	K733BRC	1
SATIN GOLD	K2883SAG	1	K6301SAG	1						
POLISHED CHROME	K2883PCR	5	K6301PCR	1						

LEAD TIMES
Please contact our Customer
Services Department on
01268 563 404

MOUNTING BOXES
FLUSH 25MM
861ZIC
FLUSH 35MM
(for extra wiring space)
866ZIC
SURFACE WITH KNOCKOUTS
K899ALM
SURFACE WITHOUT
KNOCKOUTS
K829ALM
DIMENSIONS
86 x 86mm
FIXING CENTRES
60.3mm
BS 546:1950

MOUNTING BOXES
FLUSH
886ZIC
Boxes must have a minimum
depth of 30mm
SURFACE WITH KNOCKOUTS
K897ALM
SURFACE WITHOUT
KNOCKOUTS
K830ALM
It is important to ensure that
the correct control circuit,
active or passive, is selected
for each application.
Only suitable for supply
voltage of 240V a.c.
DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
BS 7288:1990

MOUNTING BOXES
FLUSH 35MM
2 gang: 886ZIC
FLUSH 46MM
(for extra wiring space)
2 gang: 877ZIC
SURFACE WITH KNOCKOUTS
2 gang: K897ALM
SURFACE WITHOUT
KNOCKOUTS
2 gang: K830ALM
DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
It is important to ensure that
the correct control circuit,
active or passive, is selected
for each application.
Only suitable for supply
voltage of 240V a.c.
BS 7288:1990

MOUNTING BOXES
FLUSH 25MM
1 gang: 861ZIC
FLUSH 35MM
(for extra wiring space)
1 gang: 866ZIC
SURFACE WITH KNOCKOUTS
1 gang: K899ALM
SURFACE WITHOUT
KNOCKOUTS
K829ALM
DIMENSIONS
86 x 86mm
FIXING CENTRES
60.3mm
BS 1363-2:1995

MOUNTING BOXES
FLUSH 25MM
2 gang: 862ZIC
FLUSH 35MM
(for extra wiring space)
2 gang: 886ZIC
SURFACE WITH KNOCKOUTS
2 gang: K897ALM
SURFACE WITHOUT
KNOCKOUTS
2 gang: K830ALM
DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
BS 1363-2:1995
HIGH INTEGRITY EARTHING
Fitted with two earth
terminals to provide a
double earth facility for use
when installations require
a high integrity protective
connection as specified within
BS 7671:2008



Technical Hotline
+44 (0)1268 563720

Sentrysocket®

RCD Protected Switchsocket Outlets

13 AMP
LOGIC PLUS
FLUSH

ALBANY PLUS
FLUSH

METALCLAD PLUS
SURFACE

MASTERSEAL PLUS
IP66
SURFACE



K6300WHI



K6303WHI



K6231WHI



K6233WHI



K6301BRC



K6304BSS



K6102ALM



K6302ALM



K6305ALM



K6231ALM



K6233ALM



K56301GRY



K56231BLK



K56231WHI

K6300WHI
1 GANG DP, 30mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT
K6303WHI
1 GANG DP, 30mA RATED, TRIPPING CURRENT, PASSIVE CONTROL CIRCUIT
K6231WHI
2 GANG SP, 30mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT
K6233WHI
2 GANG SP, 30mA RATED, TRIPPING CURRENT, PASSIVE CONTROL CIRCUIT

MOUNTING BOXES
Flush: 886ZIC – 35mm deep
Boxes must have a minimum depth of 30mm
SURFACE
K2140WHI, 30mm deep, products have up to 15mm thick frontplates
DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
BS 7288:1990

K6301BSS
K6301BRC
K6301PCR
K6301SAG
1 GANG DP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K6304BRC
K6304BSS
1 GANG DP
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

MOUNTING BOXES
Flush: 886ZIC – 35mm deep
Boxes must have a minimum depth of 30mm
SURFACE
with knockouts: K897ALM
without knockouts: K830ALM
DIMENSIONS
86 x 146mm
FIXING CENTRES
120.6mm
BS 7288:1990

K6102ALM
1 GANG DP
10mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K6302ALM
1 GANG DP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K6305ALM
1 GANG DP
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

DIMENSIONS
86 x 147 x 54mm
KNOCKOUTS
8 x 20mm
Three in top side, two in bottom side, one in each end and one in base
SPARE BOX
K897ALM
BS 7288:1990

K6231ALM
2 GANG SP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K6233ALM
2 GANG SP
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

DIMENSIONS
86 x 147 x 54mm
KNOCKOUTS
8 x 20mm
Three in top side, two in bottom side, one in each end and one in base
SPARE BOX
K897ALM
BS 7288:1990

K56301GRY
K56301WHI
K56301BLK
1 GANG DP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K56231GRY
K56231WHI
K56231BLK
2 GANG SP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT
K56233GRY
K56233WHI
K56233BLK
2 GANG SP
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

Fixing holes are for No.8 woodscrews (not supplied).
Supplied with an earth terminal in the back box. The Sentrysocket has 5 entries. Suitable for supply voltage of 240V a.c.
Standard Shutters
DIMENSIONS
157 x 175 x 89mm
BS 7288:1990
IP66 BS EN 60529:1992

ALL SENTRYSOCKETS ARE PULSATING D.C. AND A.C. FAULT CURRENT SENSITIVE PRODUCTS:

It is important to ensure that the correct control circuit, active or passive, is selected for each application.
Suitable for supply voltage of 240V a.c.

Sentrysocket

Compliance with EC Directives, Standards and approvals

All Sentrysockets comply with the following EC Directives and are CE marked:

Low Voltage Directive
Electromagnetic Compatibility Directive
(89/336/EEC)

Sentrysocket RCD DP Single Sockets comply with the requirements of the following standards:

BS 7288:1990
BS EN 50082-1:1998

Sentrysocket RCD SP Double Sockets also comply with the requirements of BS EN 61543:1996.

TECHNICAL SPECIFICATION

ELECTRICAL

RATED VOLTAGE
240V a.c.

CURRENT RATING
13A resistive
Rated tripping current 10mA/30mA

TERMINAL CAPACITY
3 x 4mm² for 1 gang
2 x 4mm² for 2 gang

PHYSICAL

AMBIENT OPERATING TEMPERATURE
-5°C to +40°C

IP RATING
IP2XD
IP66 (K56301/K56231/K56233)

MAX. INSTALLATION ALTITUDE
2000 metres

Sentrysockets are not suitable for connection across two lines of a 127V line to Neutral Voltage System

Cable management

Logic Plus™, Albany Plus™ and Metalclad Plus™ Sentrysockets can be mounted in a variety of MK trunking systems.

Installation

Flush mounting steel wall box

It should be noted that some of the conduit entries may be restricted, depending upon their positions and the depth of box used.



Description

Sentrysocket provides a high level of protection against electrocution and gives further protection when used with appliances vulnerable to insulation damage, particularly when they are in damp environments or outdoors. The Sentrysocket units are not suitable for mounting in damp environments or outdoors.

Sentrysocket, incorporating an RCD, is part of a complete range of fixed and portable wiring devices and circuit protection devices suitable for use in domestic, commercial and light industrial applications.

Active control circuits

Incorporate a 'Re-set' mechanism and are mains failure sensitive, i.e. they will function under all the normal conditions expected of an RCD, but will also trip in the event of a power cut or a sudden, dramatic reduction in mains voltage. This makes them ideal for use where it would be hazardous for equipment to suddenly energise after return of mains power, such as use with rotating machinery and heat developing apparatus.

Passive control circuits

Incorporate a 'Stay-set' mechanism and is mains failure proof, i.e. it will function under all the normal conditions expected of an RCD and will not trip in the event of a power cut. This makes it suitable for use with freezers or in inaccessible or unmanned locations.

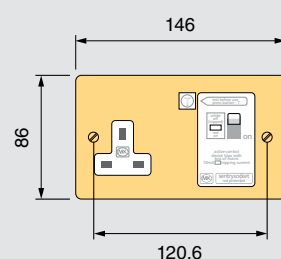
FEATURES

- Suitable for most residential, commercial and light industrial applications
- Active and passive control circuit applications
- Flexible and versatile in use
- Single Sockets have double pole switching, double sockets are single pole switching
- Masterseal Plus products are ideal for use with equipment subject to wet weather or high humidity
- Part of a complete range of MK circuit protection devices
- They are a.c. and pulsating d.c. sensitive for residual current
- Double Socket products have an enhanced RF Immunity performance

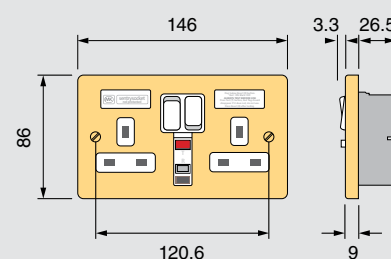
Sentrysockets products can be wall or bench mounted. Do not mount or use as a trailing socket or where they may be subject to excessive moisture or dampness.

Dimensions (mm)

Single socket



Double socket



Sentrysocket

Installation

Flush mounting steel wall box

It should be noted that some of the conduit entries may be restricted, depending upon their positions and the depth of box used.

Socket Testing

Single Socket Testing

After installation, turn the mains electricity supply on.

To test that the Sentrysocket is functioning correctly:

1. Ensure that no appliance is connected to the Sentrysocket.
Switch Sentrysocket on: The switch should remain closed and the red flag will appear in the window. If the switch fails to remain closed, check that the Supply L and N connections are not reversed or the Supply N connection is not open circuit. If the Sentrysocket is correctly connected and still trips after being switched on, the Sentrysocket is faulty and should not be used.
2. If the Sentrysocket stays on, **press the test button:** The switch will open and the white flag will appear in the window. If the Sentrysocket does not trip and there is mains voltage present at the socket outlet, Sentrysocket is faulty and should not be used.
3. **Switch Sentrysocket on:** Connect an RCD tester and ensure that the Sentrysocket trips within the specified time:
≤ 200 ms AT RATED TRIP CURRENT
≤ 40 ms AT 5 x RATED TRIP CURRENT

If the Sentrysocket does not trip within the specified times then the product is faulty and should not be used (If more than one RCD is in series then there is no guarantee as to which device will trip first).
4. **Reset all tripped RCD's including the Sentrysocket.**
5. **Switch off the mains supply switch disconnecter.** On mains failure, a Sentrysocket with Active Control Circuit will trip, whilst a Sentrysocket with Passive Control Circuit will not trip. If the Active Control device does not trip, it is faulty and should not be used – see note below. If no faults have been found then installation testing has been completed successfully.

Note: If a fault is identified at any stage of installation testing procedure do not use Sentrysocket, and contact your local electrician, or your local MK stockist.

Double Socket Testing

After installation, turn the mains electricity supply on.

To test that the Sentrysocket is functioning correctly follow the steps 1 to 4 below:

1. Ensure that no appliance is connected to the Sentrysocket.
2. **Reset** – Press the button marked R (for Reset) – the contact status indicator should show red, indicating that the socket outlets are now live (if the switches are in the ON positions).
3. **Test** – Press the TEST button marked T (for Test), the product should trip with the contact status indicator showing black. In this state the socket outlets are disconnected from the supply.
4. **Reset** – Press the button marked R again, the contact status indicator should show red.
5. Connect an RCD Tester to either socket outlet and ensure that the Sentrysocket trips with the specified times below:
≤ 200 ms AT RATED TRIP CURRENT
≤ 40 ms AT 5 x RATED TRIP CURRENT
6. Reset the Sentrysocket as in step 2 above.
7. Switch off the Mains Supply Switch Disconnecter.
8. A Sentrysocket with Active Control Circuit should trip while a Sentrysocket with Passive Control Circuit should not trip.

If all the operations in steps 2 to 8 above give correct results, the Sentrysocket RCD socket outlet is safe to use.

If the procedures in steps 2 to 8 above are not completed correctly, do not use the Sentrysocket product and seek professional advice or contact the MK Technical Sales and Service department on +44 (0)1268 563720.