



by Honeywell

**POWERING**  
THE FUTURE



Made right.  
Priced right.

# MK BASE



QUALITY YOU EXPECT.  
PRICES YOU WOULDN'T.

Introducing MK BASE.



# VALUE BY DESIGN.

The MK Base range was created to meet a fundamental need for reliable and safe switches and sockets from a trusted manufacturer that are refreshingly priced for prudent budgets.

The perfect partner to the renowned Logic Plus™ range, MK Base is a broad and practical range that looks at home in any interior. Featuring one and two gang sockets with integrated dual USB ports, LED dimmers and a flexible grid plate and euro module solution to expand the range even further.



# INFUSED WITH THE SAME MK QUALITY YOU KNOW.

Reliability and performance comes as standard so you get a fit and forget solution, backed by our 20 year quality guarantee.\*

The history of MK is built in to every product, from the groundbreaking Multy Kontakt Socket to the first modern light switch, we've been setting the standards for over a century. Specify, install and use MK Base with complete confidence.

Fully compliant with British Standards and European Standards,\*\* each product undergoes 100% electrical and visual testing at the point of manufacture.





HELPING TO KEEP  
YOUR BUILDING  
HEALTHY.



# ANTIMICROBIAL - MK'S RANGES ARE THE MOST WIDELY TESTED AVAILABLE



Working with an independently accredited laboratory, we have carried out testing on the MK Base range to the latest industry standard – ISO 22196:2011.

Results have shown kill rates of MRSA – 99.98%, E.Coli – 99.99%, Salmonella – 99.98% and Klebiella Pneumonia – 99.78%.

Additionally, we have also tested against Listeria - 99.97% and S.Aureus 6538p - which can be resistant to antibiotics – 99.99% kill rates.

Anti-viral testing resulted in a kill rate of 99.99% for Phi – X174 which is internationally recognised as the standard in anti-viral testing. Used to test the resistance of critical PPE to blood-borne viruses as well as in air filtration systems it is also one of the smallest known non-enveloped viruses, making it harder to detect and kill than enveloped viruses.

MK Base is not intended to replace standard cleaning regimes. It is an additional protection which can only operate efficiently if the surfaces are kept free of dirt and grime.









# DELIVERS ON INSTALLATION EASE

Easy access terminals with clearly moulded markings, along with backed out and captive screws all ensure quick and simple installation. It's a perfect fit every time.

Ensure you insist on convenient and time saving features.

MK Base is readily available nationally through a wide network of expert, dedicated stockists, ready to support you.



SOMETIMES  
IT COMES DOWN  
TO THE BASICS



# TRUSTED ENGINEERING, FOR PRUDENT BUDGETS.



**HIGH GLOSS FINISH**

- Made from urea formaldehyde
- Inherent antimicrobial properties
- Scratch resistant
- UV stable

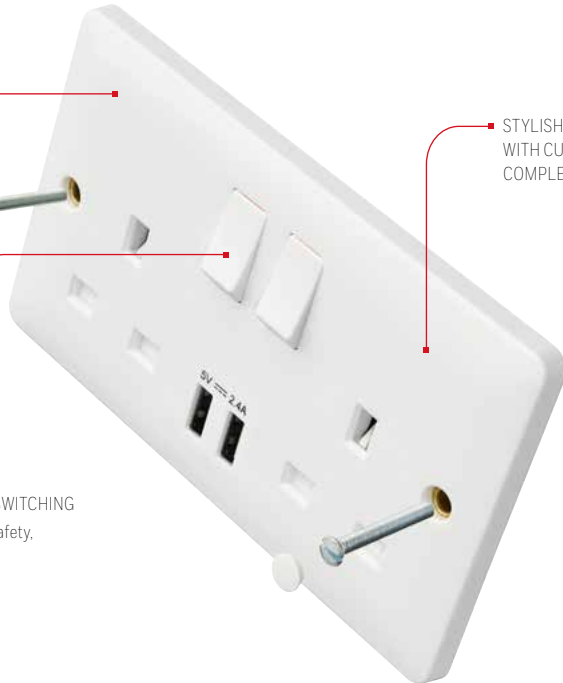
**SUPPLIED WITH SCREWCAPS**  
Conceal fixing screws for an uninterrupted aesthetic



**BACKED BY MK'S 20 YEAR PRODUCT GUARANTEE\***  
Quality comes as standard, with the reliability and performance you'd expect from MK.

**DOUBLE POLE SWITCHING**  
For added user safety.

**STYLISHLY SIMPLE DESIGN WITH CURVED EDGES TO COMPLEMENT ANY INTERIOR**



**TERMINAL MARKINGS**  
Clearly moulded markings on rear of modules

**CAPTIVE AND BACKED OUT TERMINAL SCREWS**  
Pre-engaged in terminal for fast and easy installation

**DUAL EARTH TERMINALS**  
Offering total user safety for high integrity earthing applications



Access the full range of BIM files online:  
[www.hwll.co/MKBase](http://www.hwll.co/MKBase)



MK Base is available nationally through our network of expert, dedicated stockists.

Find a Dedicated Stockist online:  
[www.hwll.co/MKBase](http://www.hwll.co/MKBase)

## HOW TO SPECIFY

A urea moulded range of wiring devices providing wide ranging anti-bacterial and anti-viral protection, tested to ISO22196:2011. Designed with curved corners and edges to compliment any interior design. Screwcaps are to be supplied to conceal fixing screws and provide an uninterrupted aesthetic for the user. Cable connections must be upward facing, with backed-out and captive terminals screws for ease of installation. All sockets to feature dual earth and option for both single and double pole switching. Complete with a 20 year product guarantee - excluding electronic products.

# Product Selector

## SWITCHSOCKET OUTLETS

FLUSH  
13 AMP



MB2757WHI

MB2757DPWHI

MB24354WHI



MB2747WHI

MB2747DPWHI

MB24344WHI



MB2657WHI

MB2657DPWHI

MB24345WHI



MB2647WHI

MB2647DPWHI



**MB2757WHI**  
1 GANG SP WITH DUAL EARTH  
TERMINALS

**MB2757DPWHI**  
1 GANG DP WITH DUAL EARTH  
TERMINALS

**MB24354WHI**  
1 GANG DP WITH USB CHARGING  
PORT AND DUAL EARTH  
TERMINALS

**MB780WHI**  
1 GANG SP WITH DUAL EARTH  
TERMINALS



**MB2747WHI**  
2 GANG SP WITH DUAL EARTH  
TERMINALS

**MB2747DPWHI**  
2 GANG DP WITH DUAL EARTH  
TERMINALS

**MB24344WHI**  
2 GANG DP WITH 2 X USB  
CHARGING PORTS AND DUAL  
EARTH TERMINALS

**MB781WHI**  
2 GANG SP WITH DUAL EARTH  
TERMINALS

**MB2657WHI**  
1 GANG SP WITH DUAL EARTH  
TERMINALS WITH NEON

**MB2657DPWHI**  
1 GANG DP WITH DUAL EARTH  
TERMINALS WITH NEON

**MB24345WHI**  
2 GANG SP WITH 2 X USB  
CHARGING PORTS AND DUAL  
EARTH TERMINALS

**MB2647WHI**  
2 GANG SP WITH DUAL EARTH  
TERMINALS WITH NEON

**MB2647DPWHI**  
2 GANG DP WITH DUAL EARTH  
TERMINALS WITH NEON

MOUNTING BOX  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
DIMENSIONS  
1G: 86 x 86mm  
2G: 86 x 146mm  
FIXING CENTRES  
60.3mm  
BS.1363-2:2016

MOUNTING BOX  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
DIMENSIONS  
1G: 86 x 86mm  
2G: 86 x 146mm  
FIXING CENTRES  
60.3mm  
BS.1363-2:2016

MOUNTING BOX  
35MM  
1 GANG 866ZIC  
2 GANG 886ZIC  
DIMENSIONS  
1G: 86 x 86mm  
2G: 86 x 146mm  
FIXING CENTRES  
120.6mm  
BS.1363-2:2016  
IEC 61558-2-16

MOUNTING BOX  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
DIMENSIONS  
1G: 86 x 86mm  
2G: 86 x 146mm  
FIXING CENTRES  
60.3mm  
BS.1363-2:2016



USB Charging Sockets each capable of supporting 2.4A charge (total of 2.4A per socket)

Dual Earth: Fitted with two earth terminals to provide a double earth facility connection as specified within BS 7671

# Product Selector

## CONNECTION UNITS

SWITCHED  
13 AMP



MB1040WHI



MB1042WHI



MB1041WHI



MB1070WHI

### MB1040WHI

DP WITH FUSE

### MB1042WHI

DP WITH NEON AND FUSE

### MB1041WHI

DP WITH FRONT FLEX OUTLET AND FUSE

### MB1070WHI

DP WITH NEON, FRONT FLEX OUTLET AND FUSE

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
1363-4-2016-A1:2018  
FUSES COMPLY WITH  
BS 1362:1973

## CONNECTION UNITS

UNSWITCHED  
13 AMP



MB1031WHI



MB1030WHI

### MB1031WHI

13A WITH FRONT FLEX OUTLET AND FUSE

### MB1030WHI

13A WITH NEON, FRONT FLEX OUTLET AND FUSE

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
1363-4-2016-A1:2018  
FUSES COMPLY WITH  
BS 1362:1973

## PLATESWITCHES

FLUSH  
10 AMP



MB4861W1WHI



MB4861WHI



MB4862W1WHI



MB4862WHI

### MB4861W1WHI

1 GANG SP ONE-WAY

### MB4861WHI

1 GANG SP TWO-WAY

### MB4862W1WHI

2 GANG SP ONE-WAY

### MB4862WHI

2 GANG SP TWO-WAY

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018



MB4863W1WHI



MB4863WHI

### MB4863W1WHI

3 GANG SP ONE-WAY

### MB4863WHI

3 GANG SP TWO-WAY

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018



MB4866WHI



MB4867WHI



MB4868WHI

### MB4866WHI

1 GANG SP INTERMEDIATE

### MB4867WHI

1 GANG SP PUSH SWITCH WITH BELL SYMBOL

### MB4868WHI

1 GANG SP PUSH SWITCH

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
120.6mm  
BS EN 60669-1:2018

Supplied with an optional flex outlet blanking cover for applications where the flex outlet isnt required.

# Product Selector

## HIGH CURRENT DP SWITCHES

### 20 AMP AND 32 AMP



MB8423WHWHI



MB8423WHI



MB5105WHI

### 45 AMP



MB5205WHI



MB5205NWHI



MB5215NCWHI



MB5215WHI



MB5215NWHI

**MB8423WHWHI**  
1 GANG 20A DP SWITCH  
WITH NEON AND MARKED 'WATER  
HEATER'

**MB5105WHI**  
1 GANG 32A DP SWITCH  
WITH NEON

**MB8423WHI**  
1 GANG 20A DP SWITCH  
WITH NEON

**MB5205WHI**  
1 GANG DP SWITCH  
**MB5205NWHI**  
1 GANG DP SWITCH WITH NEON

**MB5215NCWHI**  
1 GANG DP SWITCH WITH NEON  
AND MARKED 'COOKER'

**MB5215WHI**  
2 GANG DP SWITCH  
**MB5215NWHI**  
2 GANG DP SWITCH WITH NEON

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018

MOUNTING BOX  
35MM  
886ZIC  
DIMENSIONS  
146 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018

MOUNTING BOX  
35MM  
886ZIC  
DIMENSIONS  
146 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-1:2018

# Product Selector

## TRAILING EDGE LED DIMMER SWITCHES

LED 6 - 100W

## COOKER CONTROLS

MOULDED  
FLUSH  
45 AMP

## SHAVER SUPPLY UNIT

## THREE POLE FAN ISOLATOR

10 AMP



MB1523WHI



MB1524WHI



MB5060WHI



MB5061WHI



MB701WHI



MB4859WHI



**MB1523WHI**  
1 GANG LED DIMMER  
**MB1524WHI**  
2 GANG LED DIMMER

**MB5060WHI**  
DP SWITCH AND 13A  
SWITCHSOCKET OUTLET  
**MB5061WHI**  
DP SWITCH AND 13A  
SWITCHSOCKET OUTLET  
WITH NEON

**MB701WHI**  
SHAVER SUPPLY UNIT  
DUAL VOLTAGE  
115/230V OUTPUT  
(220/240V 50/60HZ INPUT)

**MB4859WHI**  
10A 1 GANG THREE POLE FAN  
ISOLATOR SWITCH  
Inc = 1.5KA

MOUNTING BOX  
35MM  
1 GANG 866ZIC  
2 GANG 886 ZIC  
DIMENSIONS  
1G: 86 x 86mm  
2G: 86 x 146mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-2-1  
IEC 60669-2-1

RC dimmer (trailing edge)  
Voltage: 220-240V AC  
Frequency: 50/60Hz  
Rating:  
Incandescent: 10-200W  
Halogen lamp with electronic transformer:  
35-200W  
Dimmable LEDs: 6-100W

MOUNTING BOX  
47MM  
878ZIC  
DIMENSIONS  
86 x 146mm  
FIXING CENTRES  
60.3mm  
BS 4177:1992

MOUNTING BOX  
35MM  
886ZIC  
DIMENSIONS  
146 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 61558-2-5:1998

MOUNTING BOX  
35MM  
866ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS EN 60669-2-4:2005



# Product Selector

## DATA, VOICE AND TV

### DATA SOCKETS

### TELEPHONE OUTLET

### TV OUTLETS



**MB428WHI**  
1 GANG RJ45 CAT6 DATA SOCKET

**MB429WHI**  
1 GANG DOUBLE RJ45 CAT6 DATA SOCKET

**MB417WHI**  
1 GANG RJ11 4 WIRE TELEPHONE SOCKET

**MB418WHI**  
1 GANG DOUBLE RJ11 4 WIRE TELEPHONE SOCKET

**MB422WHI**  
1 GANG BT TELEPHONE SOCKET (MASTER)

**MB427WHI**  
1 GANG BT TELEPHONE SOCKET (SECONDARY)

**MB3520WHI**  
1 GANG SINGLE OUTLET MALE NON-ISOLATED TV SOCKET

**MB3521WHI**  
1 GANG SINGLE FEMALE NON-ISOLATED TV SOCKET

**MB3522WHI**  
1 GANG SINGLE OUTLET ISOLATED TV SOCKET

**MB3523WHI**  
TWIN TV/FM DIPLEXER

**MB3553WHI**  
1 GANG TRIPLE OUTLET TV-FM-SAT TRIPLEXER SOCKET

MOUNTING BOX  
46MM  
877ZIC  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
IEC 1180  
EN 50173  
TIA 568  
EN41003

MOUNTING BOX  
25MM  
861ZIC  
35MM  
866ZIC (for extra wiring space)  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
MB417WHI & MB418WHI  
FCC68  
EN41003

MB422WHI & MB427WHI  
BS6312

MOUNTING BOX  
25MM  
861ZIC  
35MM  
866ZIC (for extra wiring space)  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS 5733:2010

MOUNTING BOX  
25MM  
861ZIC  
35MM  
866ZIC (for extra wiring space)  
DIMENSIONS  
86 x 86mm  
FIXING CENTRES  
60.3mm  
BS 5733:2010



# Product Selector

## BLANK PLATES

## GRID PLUS FRONTPLATES

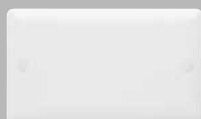
## EURO MODULAR FRONTPLATES

## ACCESSORIES SPARE SCREW CAPS

GRID FRAMES  
NOT INCLUDED



MB3827WHI



MB3828WHI



MB3631WHI



MB3632WHI



MB3633WHI



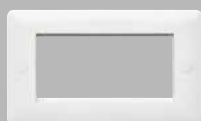
MB3634WHI



MB181WHI



MB182WHI



MB184WHI



MBCAPS10

**MB3827WHI**  
1 GANG BLANK PLATE  
**MB3828WHI**  
2 GANG BLANK PLATE

**MB3631WHI**  
1 MODULE  
FRONT PLATE  
**MB3632WHI**  
2 MODULE  
FRONT PLATE  
**MB3633WHI**  
3 MODULE  
FRONT PLATE  
**MB3634WHI**  
4 MODULE  
FRONT PLATE

**MB181WHI**  
1 GANG FRONTPLATE  
ONE MODULE  
APERTURE SIZE 25 X 50MM  
**MB182WHI**  
1 GANG FRONTPLATE  
TWO MODULE  
APERTURE SIZE 50 X 50MM  
**MB184WHI**  
2 GANG FRONTPLATE  
FOUR MODULE  
APERTURE SIZE 100 X 50MM

**MBCAPS10**  
SCREWCAPS FOR MK BASE  
QTY 10  
**MBGRIDCAPS10**  
SCREWCAPS FOR MK BASE GRID  
QTY 10

**MOUNTING BOX**  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
**DIMENSIONS**  
1G: 86 x 86mm  
2G: 86 x 146mm  
**FIXING CENTRES**  
60.3mm  
BS 5733:2010

**MOUNTING BOX**  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
**MOUNTING FRAMES**  
1G: K3701  
2G: K3702  
3G: K3703  
4G: K3704  
**DIMENSIONS**  
1G: 86 x 86mm  
2G: 86 x 146mm  
**FIXING CENTRES**  
60.3mm  
BS 5733:2010

**MOUNTING BOX**  
25MM  
1 GANG 861ZIC  
2 GANG 862ZIC  
35MM  
1 GANG 866ZIC (for extra wiring space)  
2 GANG 886ZIC (for extra wiring space)  
**DIMENSIONS**  
1G: 86 x 86mm  
2G: 86 x 146mm  
**FIXING CENTRES**  
60.3mm  
BS 5733:2010

# Product Selector

## EURO POWER MODULES

## EURO DATACOM MODULES

RJ11/12

RJ45 CAT 6A

RJ45 CAT 6

RJ45 CAT 5e

TELEPHONE



K5830WHI



K5833WHI



K5831WHI



K5834WHI



K5832WHI



K5837WHI



K5887WHI



K5841WHI



K5846WHI



K5844WHI



K5820WHI



K5887BLK



K5841SWHI



K5846SBLK



K5845WHI



K5821WHI



K5841SBLK



K5864WHI



K5845BLK



K5821BLK

**K5830WHI**  
**K5830BLK**  
UK 1 GANG EURO 2 MODULE  
13A 250V SHUTTERED

**K5831WHI**  
**K5831BLK**  
GERMAN 2P+E  
1.6A 250V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5832WHI**  
**K5832BLK**  
AMERICAN 2P+E  
1.5A 127V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5830**  
MOUNTING BOX  
35mm minimum  
46mm (for extra wiring space)  
DIMENSIONS  
50 x 50mm  
BS 1363 Pt2:1995

**K5831**  
MOUNTING BOX  
46mm  
DIMENSIONS  
50 x 50mm  
IEC 60884-1:2006

**K5832**  
MOUNTING BOX  
35mm  
46mm (for extra wiring space)  
DIMENSIONS  
50 x 50mm  
SASO 2204:2003

**K5833WHI**  
**K5833BLK**  
UK 1 GANG EURO 2 MODULE  
5A 250V SHUTTERED

**K5834WHI**  
**K5834BLK**  
FRENCH/BELGIAN 2P+E  
1.6A 250V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5837WHI**  
**K5837BLK**  
USB CHARGING MODULE  
EURO 2 MODULE

**K5833**  
MOUNTING BOX  
35mm minimum  
46mm (for extra wiring space)  
DIMENSIONS  
50 x 50mm  
BS 546:1950

**K5834**  
MOUNTING BOX  
46mm  
DIMENSIONS  
50 x 50mm  
NF C61-314

**K5837**  
MOUNTING BOX  
35mm, 46mm (for extra wiring space)  
DIMENSIONS  
50 x 50mm  
USB charging sockets, each capable of supporting 2A charge (total of 2A).  
IEC 60950-1  
IEC 61000-6-1/3

**K5887WHI**  
**K5887BLK**  
RJ11/12  
ONE MODULE  
25 X 50MM

Suitable for both RJ11 and RJ12 jacks  
RJ11: 4 wire  
RJ12: 6 wire  
MOUNTING BOXES  
Minimum box depth 25mm  
FCC68  
EN 41003

**K5841WHI**  
**K5841BLK**  
RJ45 CAT 6A  
ONE MODULE  
25 X 50MM

**K5841SWHI**  
**K5841SBLK**  
RJ45 CAT6A SCREENED  
ONE MODULE  
25 X 50MM

Cat 6A performance.  
Suitable for both 568A and 568B wiring schemes.  
MOUNTING BOXES  
Minimum Box Depth 35mm  
ISO/IEC 11801  
EN 50173  
TIA 568  
EN 41003

**K5846WHI**  
**K5846BLK**  
RJ45 CAT 6  
ONE MODULE  
25 X 50MM

**K5846SWHI**  
**K5846SBLK**  
RJ45 CAT 6 SCREENED  
ONE MODULE  
25 X 50MM

**K5864WHI**  
RJ45 CAT 6 ANGLED  
ONE MODULE  
25 X 50MM

Cat 6 performance.  
Suitable for both 568A and 568B wiring schemes.  
MOUNTING BOXES  
Minimum Box Depth 35mm  
ISO/IEC 11801  
EN 50173  
TIA 568  
EN 41003

**K5844WHI**  
RJ45 CAT 5e ANGLED  
ONE MODULE  
25 X 50MM

**K5845WHI**  
**K5845BLK**  
RJ45 CAT 5e  
ONE MODULE  
25 X 50MM

Enhanced Cat 5 performance.  
Suitable for both 568A and 568B wiring schemes.  
Supplied with cable tie and cable anchors to secure wires in the connectors.  
MOUNTING BOXES  
Minimum box depth 25mm standard  
ISO/IEC 11801  
EN 50173  
TIA 568  
EN 41003

**K5820WHI**  
**K5820BLK**  
TELEPHONE MASTER  
ONE MODULE  
25 X 50MM

**K5821WHI**  
**K5821BLK**  
TELEPHONE SECONDARY  
ONE MODULE  
25 X 50MM

MOUNTING BOXES  
Minimum depth 25mm  
BS 6312 Pt 2

Mains operated products and extra low voltage modules must not be installed within the same frontplate.  
Refer to BS 7671 IET Wiring Regulations for details.

# Product Selector

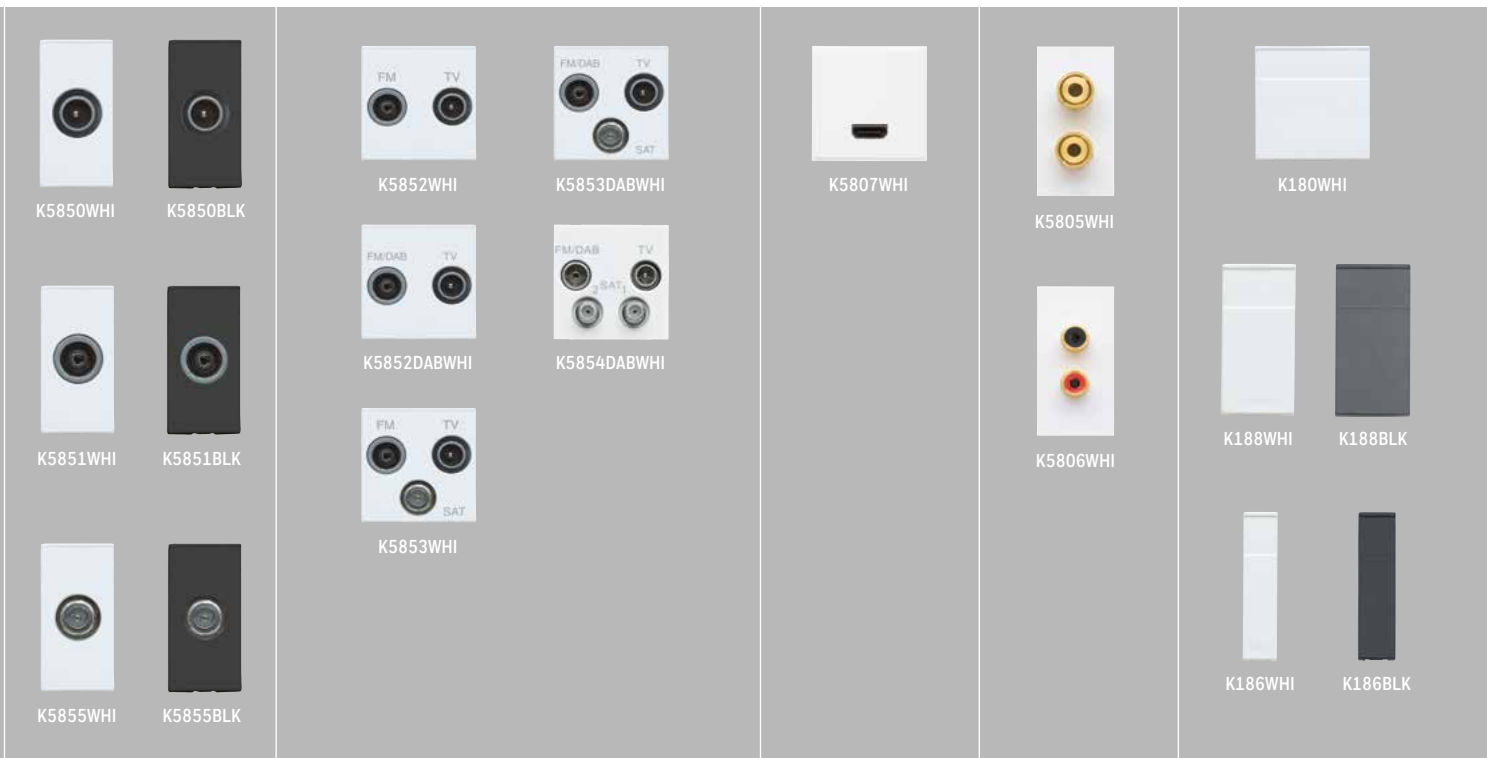
## EURO MULTIMEDIA MODULES

TV CO-AXIAL OUTLETS FOR DIGITAL TV SCREENED  
NON ISOLATED

HDMI

AUDIO

BLANKS



**K5850WHI**  
**K5850BLK**  
SINGLE OUTLET (IEC MALE)  
ONE MODULE 25 X 50MM

**K5851WHI**  
**K5851BLK**  
SINGLE OUTLET  
(IEC FEMALE)  
ONE MODULE 25 X 50MM

**K5855WHI**  
**K5855BLK**  
SINGLE F-TYPE SATELLITE  
SOCKET  
ONE MODULE 25 X 50MM

Fully screened non isolated TV outlets containing a combination of single, TV/FM Diplexer and TV/FM/SAT Triplexer for use within digital TV systems and interactive TV services. Single outlets for connection to a single TV, FM or Satellite co-axial aerial lead.

**K5852WHI**  
**K5852BLK**  
TWIN OUTLET  
TV/FM DIPLEXER  
TWO MODULE 50 X 50MM  
(IRELAND ONLY)

**K5852DABWHI**  
**K5852DABBLK**  
TWIN OUTLET TV-FM/DAB  
DIPLEXER  
TWO MODULE 50 X 50MM

**K5853WHI**  
**K5853BLK**  
TRIPLE OUTLET  
TV/FM/SATELLITE TRIPLEXER  
TWO MODULE 50 X 50MM  
(IRELAND ONLY)

TV/FM diplexer units for connection to a single co-axial aerial lead with combined TV and FM signals.  
TV/FM/SAT triplexer units for connection to a single co-axial aerial lead with combined TV, FM and Satellite signals

**K5853DABWHI**  
**K5853DABBLK**  
TRIPLE OUTLET  
TV-FM/DAB-SAT TRIPLEXER  
TWO MODULE 50 X 50MM

**K5854DABWHI**  
**K5854DABBLK**  
QUAD OUTLET  
TV-FM/DAB-2XSAT  
TWO MODULE 50 X 50MM

**K5807WHI**  
**K5807BLK**  
FEMALE HDMI OUTLET

**K5807 Female HDMI Outlet is HDMI 1.1, 1.2, 1.3 and 1.4 compatible, HDCP compliant**

**DATA RATE**  
Up to 2.25 Gbps

**SCAN**  
Up to 1080p/1920x1200

**INPUT CONNECTOR**  
1 x HDMI Female (Type A)

**OUTPUT CONNECTOR**  
1 x HDMI Female (Type A)

Supports high resolution input PC  
VGA, SVGA, SXVGA (1280x1024) and UXGA (1600x1200, 1920x1200)

**HDTV**  
480p, 720p, 1080i and 1080p  
HDMI input cable should be no larger than 20m.

**DIMENSIONS**  
50 x 50 x 20mm

**K5805WHI**  
**K5805BLK**  
AUDIO BINDING POST  
SET FOR SINGLE LOUD  
SPEAKER

**K5806WHI**  
**K5806BLK**  
RCA TO SCREW  
TERMINATION SET  
1 RED AND 1 BLACK

**DIMENSIONS**  
50 x 25 x 28mm

**K180WHI**  
TWO MODULE  
BLANK 50 X 50MM

**K188WHI**  
**K188BLK**  
ONE MODULE  
BLANK 25 X 50MM

**K186WHI**  
**K186BLK**  
HALF MODULE  
BLANK 12.5 X 50MM

BS 5733:2010 where applicable

These products are fully compatible with Labgear TV distribution systems and are approved for use in "Sky Homes" and "Homes On" specifications

### MOUNTING BOXES

Min box depth 32mm

### DIMENSIONS

1 Module 25 x 50mm

2 Module 50 x 50mm

BS 3041:1997

IEC 169-2:1965

BS EN 50083 & BS 5733:2010

where applicable

### PERFORMANCE

#### SINGLE OUTLETS

TV/FM Iec Male Or Female

DC-950MHz

SAT F-TYPE

DC-1.75GHz

### TV/FM/SAT PRODUCTS

Outlet:

TV:

FM/DAB:

SAT:

Outlet:

TV:

FM:

SAT1:

Diplexer

5-65MHz

470-862MHz

87.5-108MHz

N/A

Triplexer

5-65MHz

470-862MHz

87.5-108MHz

950-2300MHz

### TV/FM/DAB/SAT PRODUCTS FOR DIGITAL RADIO

Outlet:

TV:

FM/DAB:

SAT OR SAT1:

N/A

Outlet:

TV:

FM:

SAT1:

SAT2:

Diplexer

5-65MHz

470-862MHz

87.5-230MHz

N/A

Triplexer

5-65MHz

470-862MHz

87.5-230MHz

950-2300MHz

# Product Selector - Grid Plus

## BLANK INSERTS

1 MODULE



## SWITCH MODULES 10 AMP

1 WAY SP  
10 AMP



1 WAY DP  
10 AMP



2 WAY SP  
10 AMP



2 WAY  
RETRACTIVE  
SWITCH SP  
10 AMP



2 WAY  
RED RETRACTIVE  
SWITCH SP  
10 AMP



### FINISHES

WHITE	<b>K4880WHI</b> 10	<b>K4881WHI</b> 10	<b>K4981WHI</b> 10	<b>K4882WHI</b> 10	<b>K4885WHI</b> 10	<b>K4885RED</b> 1
BLACK	<b>K4880BLK</b> 10	<b>K4881BLK</b> 10	<b>K4981BLK</b> 10	<b>K4882BLK</b> 1	<b>K4885BLK</b> 10	<b>K4885REDB</b> 1
GRAPHITE	<b>K4880GRA</b> 10	<b>K4881GRA</b> 10		<b>K4882GRA</b> 10		

These switches do NOT have to be derated when used with fluorescent or inductive loads.  
BS EN 60669-1:2018

These switches do NOT have to be derated when used with fluorescent or inductive loads.  
BS EN 60669-1:2018

These switches do NOT have to be derated when used with fluorescent or inductive loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for fluorescent loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for fluorescent loads.  
BS EN 60669-1:2018

## SWITCH MODULES 20 AMP

1 WAY  
PUSH TO BREAK  
RETRACTIVE DP  
20 AMP



1 WAY  
RED ROCKER  
PUSH TO BREAK  
RETRACTIVE DP  
20 AMP



2 WAY SP  
20 AMP



2 WAY  
RED ROCKER SP  
20 AMP



2 WAY  
SWITCH WITH  
INTEGRAL NEON  
LOCATOR SP  
20 AMP



2 WAY  
AND CENTRE  
OFF SP  
20 AMP



### FINISHES

WHITE	<b>K4915WHI</b> 10	<b>K4915RED</b> 10	<b>K4892WHI</b> 10	<b>K4892RED</b> 10	<b>K4892LWHI</b> 10	<b>K4899WHI</b> 10
BLACK	<b>K4915BLK</b> 10	<b>K4915REDB</b> 1	<b>K4892BLK</b> 10	<b>K4892REDB</b> 1	<b>K4892LBLK</b> 1	<b>K4899BLK</b> 10
GRAPHITE						

NOTE  
Push switches are not designed for fluorescent loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for fluorescent loads.  
BS EN 60669-1:2018

These switches do NOT have to be derated when used with fluorescent or inductive loads.  
BS EN 60669-1:2018

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BS EN 60669-1:2018

B suffix on the list number denotes black inserts

# Product Selector - Grid Plus

2 WAY  
RETRACTIVE  
SWITCH  
MARKED WITH  
BELL SYMBOL SP  
**10 AMP**

2 WAY  
RETRACTIVE  
SWITCH MARKED  
'PRESS' SP  
**10 AMP**

2 WAY  
CENTRE OFF  
RETRACTIVE  
SWITCH SP  
**10 AMP**

## SWITCH MODULES 20 AMP

1 WAY SP  
**20 AMP**

1 WAY PUSH TO  
MAKE DP  
**20 AMP**

1 WAY  
RED ROCKER  
PUSH TO MAKE DP  
**20 AMP**



<b>K4885BWHI</b>	<b>1</b>	<b>K4885PWHI</b>	<b>10</b>	<b>K4900WHI</b>	<b>10</b>	<b>K4891WHI</b>	<b>10</b>	<b>K4910WHI</b>	<b>10</b>	<b>K4910RED</b>	<b>10</b>
<b>K4885BBLK</b>	<b>1</b>	<b>K4885PBLK</b>	<b>1</b>	<b>K4900BLK</b>	<b>10</b>	<b>K4891BLK</b>	<b>10</b>	<b>K4910BLK</b>	<b>10</b>	<b>K4910REDB</b>	<b>1</b>
						<b>K4891GRA</b>	<b>10</b>				

NOTE  
Push switches are not designed for  
fluorescent loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for  
fluorescent loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for  
fluorescent loads.  
BS EN 60669-1:2018

These switches do NOT have  
to be derated when used with  
fluorescent or inductive loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for  
fluorescent loads.  
BS EN 60669-1:2018

NOTE  
Push switches are not designed for  
fluorescent loads.  
BS EN 60669-1:2018

RED ROCKER  
2 WAY AND CENTRE  
OFF SP  
**20 AMP**

INTERMEDIATE  
**20 AMP**

INTERMEDIATE  
RED ROCKER  
**20 AMP**

1 WAY DP  
**20 AMP**

1 WAY  
NEON DP  
**20 AMP**

1 WAY  
WITH WINDOW DP  
**20 AMP**



<b>K4899RED</b>	<b>10</b>	<b>K4893WHI</b>	<b>10</b>	<b>K4893RED</b>	<b>10</b>	<b>K4896WHI</b>	<b>10</b>	<b>K4896NWHI</b>	<b>1</b>	<b>K4896WWHI</b>	<b>10</b>
<b>K4899REDB</b>	<b>1</b>	<b>K4893BLK</b>	<b>10</b>	<b>K4893REDB</b>	<b>10</b>	<b>K4896BLK</b>	<b>10</b>	<b>K4896NBLK</b>	<b>1</b>	<b>K4896WBLK</b>	<b>10</b>
						<b>K4896GRA</b>	<b>10</b>	<b>K4896NGRA</b>	<b>1</b>		

These switches do NOT have  
to be derated when used with  
fluorescent or inductive loads.  
BS EN 60669-1:2018

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These switches do NOT have  
to be derated when used with  
fluorescent or inductive loads.  
BS EN 60669-1:2018

B suffix on the list number denotes black inserts

# Product Selector - Grid Plus

## SWITCH MODULES 20 AMP

1 WAY  
RED ROCKER DP  
20 AMP



## PRINTED MODULES WITH AND WITHOUT NEON

1 WAY  
BOILER DP  
20 AMP



1 WAY  
BOILER  
NEON DP  
20 AMP



1 WAY  
DISHWASHER DP  
20 AMP



1 WAY  
DISHWASHER  
NEON DP  
20 AMP



FINISHES										
WHITE	<b>K4896RED</b>	<b>10</b>	<b>K4896BRWHI</b>	<b>1</b>	<b>K4896NBRWHI</b>	<b>1</b>	<b>K4896DWWHI</b>	<b>1</b>	<b>K4896NDWWHI</b>	<b>1</b>
BLACK	<b>K4896REDB</b>	<b>1</b>	<b>K4896BRBLK</b>	<b>1</b>	<b>K4896NBRBLK</b>	<b>1</b>	<b>K4896DWBLK</b>	<b>1</b>	<b>K4896NDWBLK</b>	<b>1</b>

These switches do NOT have to be derated when used with fluorescent or inductive loads.  
BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

## PRINTED MODULES WITH AND WITHOUT NEON

1 WAY  
FRIDGE  
NEON DP  
20 AMP



1 WAY  
FREEZER DP  
20 AMP



1 WAY  
FREEZER  
NEON DP  
20 AMP



1 WAY  
FRIDGE  
FREEZER DP  
20 AMP



1 WAY  
FRIDGE FREEZER  
NEON DP  
20 AMP



FINISHES										
WHITE	<b>K4896NFGWHI</b>	<b>1</b>	<b>K4896FZWHI</b>	<b>1</b>	<b>K4896NFZWHI</b>	<b>1</b>	<b>K4896FFWHI</b>	<b>1</b>	<b>K4896NFFWHI</b>	<b>1</b>
BLACK	<b>K4896NFGBLK</b>	<b>1</b>	<b>K4896FZBLK</b>	<b>1</b>	<b>K4896NFZBLK</b>	<b>1</b>	<b>K4896FFBLK</b>	<b>1</b>	<b>K4896NFFBLK</b>	<b>1</b>

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

# Product Selector - Grid Plus

1 WAY COOKER HOOD DP 20 AMP	1 WAY COOKER HOOD NEON DP 20 AMP	1 WAY FAN DP 20 AMP	1 WAY FAN NEON DP 20 AMP	1 WAY FRIDGE DP 20 AMP
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<b>K4896CHWHI</b> 1	<b>K4896NCHWHI</b> 1	<b>K4896FNWHI</b> 1	<b>K4896NFNWHI</b> 1	<b>K4896FGWHI</b> 1
<b>K4896CHBLK</b> 1	<b>K4896NCHBLK</b> 1	<b>K4896FNBLK</b> 1	<b>K4896NFNBLK</b> 1	<b>K4896FGBLK</b> 1

BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018
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1 WAY WASTE DISPOSAL DP 20 AMP	1 WAY WASTE DISPOSAL NEON DP 20 AMP	1 WAY WASHING MACHINE DP 20 AMP	1 WAY WASHING MACHINE NEON DP 20 AMP	1 WAY TUMBLE DRYER DP 20 AMP	1 WAY TUMBLE DRYER NEON DP 20 AMP
-----------------------------------------	----------------------------------------------	------------------------------------------	-----------------------------------------------	---------------------------------------	--------------------------------------------



<b>K4896WDWHI</b> 1	<b>K4896NWDWHI</b> 1	<b>K4896WMWHI</b> 1	<b>K4896NWMWHI</b> 1	<b>K4896TDWHI</b> 1	<b>K4896NTDWHI</b> 1
<b>K4896WDBLK</b> 1	<b>K4896NWDBLK</b> 1	<b>K4896WMBLK</b> 1	<b>K4896NWMBLK</b> 1	<b>K4896TDBLK</b> 1	<b>K4896NTDBLK</b> 1

BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018	BS EN 60669-1:2018
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# Product Selector - Grid Plus

## PRINTED MODULES WITH AND WITHOUT NEON

1 WAY WASHER DRYER DP 20 AMP	1 WAY WASHER DRYER NEON DP 20 AMP	1 WAY MICROWAVE DP 20 AMP	1 WAY MICROWAVE NEON DP 20 AMP	1 WAY HEATER DP 20 AMP
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FINISHES					
WHITE	<b>K4896WDRWHI</b> 1	<b>K4896NDRWHI</b> 1	<b>K4896MWWHI</b> 1	<b>K4896NMWWHI</b> 1	<b>K4896HRWHI</b> 1
BLACK	<b>K4896WDRBLK</b> 1	<b>K4896NDRBLK</b> 1	<b>K4896MWBLK</b> 1	<b>K4896NMWBLK</b> 1	<b>K4896HRBLK</b> 1

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

## PRINTED MODULES WITH AND WITHOUT NEON

1 WAY IMMERSION HEATER NEON DP 20 AMP	1 WAY PLINTH HEATER DP 20 AMP	1 WAY PLINTH HEATER NEON DP 20 AMP	1 WAY WORKTOP LIGHTING DP 20 AMP	1 WAY WORKTOP LIGHTING NEON DP 20 AMP
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FINISHES					
WHITE	<b>K4896NIHWHI</b> 1	<b>K4896PHWHI</b> 1	<b>K4896NPHWHI</b> 1	<b>K4896WLWHI</b> 1	<b>K4896NWLWHI</b> 1
BLACK		<b>K4896PHBLK</b> 1		<b>K4896WLBLK</b> 1	<b>K4896NWLBLK</b> 1

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018

BS EN 60669-1:2018



# Product Selector - Grid Plus

1 WAY  
HEATER  
NEON DP  
20 AMP



**K4896NHRWHI 1**

**K4896NHRBLK 1**

BS EN 60669-1:2018

1 WAY  
OVEN DP  
20 AMP



**K4896OVWHI 1**

**K4896OVBLK 1**

BS EN 60669-1:2018

1 WAY  
OVEN NEON DP  
20 AMP



**K4896NOVWHI 1**

**K4896NOVBLK 1**

BS EN 60669-1:2018

1 WAY  
HOB DP  
20 AMP



**K4896HBWHI 1**

**K4896HBBLK 1**

BS EN 60669-1:2018

1 WAY  
HOB NEON DP  
20 AMP



**K4896NHBWHI 1**

**K4896NHBBLK 1**

BS EN 60669-1:2018

1 WAY  
IMMERSION  
HEATER DP  
20 AMP



**K4896IHWHI 1**

**K4896IHBLK 1**

BS EN 60669-1:2018

1 WAY  
WINE COOLER DP  
20 AMP



**K4896WCWHI 1**

**K4896WCBLK 1**

BS EN 60669-1:2018

1 WAY  
WINE COOLER  
NEON DP  
20 AMP



**K4896NWCWHI 1**

**K4896NWCBLK 1**

BS EN 60669-1:2018

1 WAY  
WARMING DRAWER  
DP  
20 AMP



**K4896WDAWHI 1**

**K4896WDABLK 1**

BS EN 60669-1:2018

1 WAY  
WARMING DRAWER  
NEON DP  
20 AMP



**K4896NWDAWHI 1**

**K4896NWDABLK 1**

BS EN 60669-1:2018

1 WAY  
COFFEE  
MACHINE DP  
20 AMP



**K4896CMWHI 1**

**K4896CMBLK 1**

BS EN 60669-1:2018

1 WAY  
COFFEE MACHINE  
NEON DP  
20 AMP



**K4896NCMWHI 1**

**K4896NCMBLK 1**

BS EN 60669-1:2018

# Product Selector - Grid Plus

## SECRET KEY SWITCH MODULES

INTERMEDIATE  
SECRET KEY SWITCH  
20 AMP

2 WAY  
SECRET KEY  
SWITCH SP  
20 AMP

2 WAY  
SECRET KEY SWITCH  
MARKED 'EMG LTG  
TEST' SP  
20 AMP

1 WAY  
SECRET KEY  
SWITCH DP  
20 AMP

EMERGENCY  
LIGHTING DP  
20 AMP



### FINISHES

WHITE	<b>K4894WHI</b> 10	<b>K4898WHI</b> 10	<b>K4898ELWHI</b> 10	<b>K4917WHI</b> 10	<b>K4917ELWHI</b> 10
BLACK	<b>K4894BLK</b> 1	<b>K4898BLK</b> 1	<b>K4898ELBLK</b> 1	<b>K4917BLK</b> 1	

These switches do NOT have to be derated when used with fluorescent or inductive loads. BS EN 60669-1:2018 Key (3405ZIC) is supplied.

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## INDICATOR UNIT MODULES

21-36V  
FILAMENT

## DIMMER SWITCH MODULES

LED 1 - 120W  
TRAILING EDGE  
LED DIMMERS

0-10V/1-10V  
FLUORESCENT  
CONTROLLER  
1 MODULE

40-220W/180VA/  
4-70W LED INTELLIGENT  
DIMMER  
1 MODULE



### FINISHES

WHITE	<b>K4836GRN</b> 10	<b>K4512WHI</b> 1	<b>K4499WHI</b> 1	<b>K4511WHILV</b> 1
BLACK		<b>K4512BLK</b> 1	<b>K4499BLK</b> 1	<b>K4511BLKLV</b> 1

BS 5733:2010

Will Operate On Both  
A.C. And D.C

BACK BOX DEPTH  
35MM  
APPLICABLE STANDARDS  
BSEN60669-2-1  
1 module 2 Way

MK Fluorescent Grid Dimmers are low voltage controllers for connection to 1-10V controllable ballasts.

K4511WHILV 1 Module 2 Way 40-220W/180VA/4-70W LED Intelligent Dimmer.

K4511BLKLV 1 Module 2 Way 40-220W/180VA/4-70W LED Intelligent Dimmer.

# Product Selector - Grid Plus

2 WAY  
SECRET KEY  
SWITCH (BIASED  
1 WAY) SP  
20 AMP

## INDICATOR UNIT MODULES

200-250V  
NEON

200-250V  
NEON

200-250V  
FLUORESCENT

21-36V  
FILAMENT

21-36V  
FILAMENT



<b>K4918WHI</b> 10	<b>K4889RED</b> 10	<b>K4889AMB</b> 10	<b>K4889GRN</b> 10	<b>K4836RED</b> 10	<b>K4836AMB</b> 10
<b>K4918BLK</b> 10	<b>K4889REDB</b> 1				

Push switches are not designed for Fluorescent loads. BS EN 60669-1:2018 Key (3405ZIC) is supplied

BS 5733:2010

BS 5733:2010

BS 5733:2010

BS 5733:2010

BS 5733:2010

**B suffix on the list number denotes black inserts**

**Will Operate On Both A.C. And D.C**

## ACCESSORY MODULES

SINGLE TV  
CO-AXIAL  
OUTLET  
NON-ISOLATED

SINGLE TV  
CO-AXIAL  
OUTLET  
ISOLATED

200-250V A.C.  
BUZZER UNIT

21-36V A.C.  
BUZZER UNIT

16A  
CORD OUTLET

13A  
FUSE UNIT

13A  
FUSE UNIT WITH  
TAMPERPROOF  
SCREW



<b>K4520WHI</b> 10	<b>K4521WHI</b> 10	<b>K4000WHI</b> 10	<b>K4001WHI</b> 10	<b>K4886WHI</b> 10	<b>K4890WHI</b> 10	<b>K4890KOWHI</b> 10
<b>K4520BLK</b> 10	<b>K4521BLK</b> 10			<b>K4886BLK</b> 10	<b>K4890BLK</b> 10	<b>K4890KOBK</b> 10

For direct connection to TV or FM aerial co-axial download. NOT to be used in same enclosure as mains exceeding 50V. BS 3041:1977 IEC 169-2:1965 BS 5733:2010 where applicable.

For direct connection to TV or FM aerial co-axial download. NOT to be used in same enclosure as mains exceeding 50V. BS 3041:1977 IEC 169-2:1965 BS 5733:2010 where applicable.

SOUND OUTPUT LEVEL  
Av 61 db @ 15 feet.  
BS 5733:2010

SOUND OUTPUT LEVEL  
Av 61 db @ 15 feet.  
BS 5733:2010

Complete with 3 pairs of terminals. The supply terminals are suitable for up to 2 x 2.5mm<sup>2</sup> or 1 x 4mm<sup>2</sup> solid conductors. The load terminals are suitable for one 1.5mm<sup>2</sup> flexible cord. A cord grip is also fitted. BS 5733:2010

Fuse carrier comes with 13A cartridge fuse link to BS 1362. BS 5733:2010

Fuse carrier comes with 13A cartridge fuse link to BS 1362. BS 5733:2010 Key (3405ZIC) is supplied.

# Wiring Devices Technical

## – MK Base

### 10A/AX Switches – Single Pole

#### Standards and approvals

Compliance to IEC 60669-1:2017 and BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10AX 1G 1WAY SWITCH - SMALL ROCKER	MB4861W1WHI
	10AX 1G 2WAY SWITCH - SMALL ROCKER	MB4861WHI
2 GANG	10AX 2G 1WAY SWITCH - SMALL ROCKER	MB4862W1WHI
	10AX 2G 2WAY SWITCH - SMALL ROCKER	MB4862WHI
3 GANG	10AX 3G 1WAY SWITCH - SMALL ROCKER	MB4863W1WHI
	10AX 3G 2WAY SWITCH - SMALL ROCKER	MB4863WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 10AX	
<b>TERMINAL CAPACITY</b> 4 x 1.5mm <sup>2</sup> , or 3 x 2.5mm <sup>2</sup> or 2 x 4.0mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> (stranded)	
<b>OPERATIONS</b> 20000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



#### Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameter:

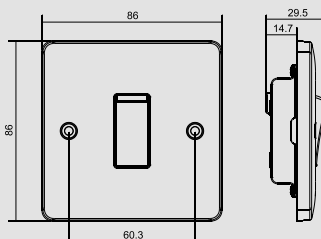
RATED CURRENT	IPEAK	I <sup>2</sup> T	RECOMMENDED WATTAGE (INCLUDE SBL - SELF BALLASTED LAMP)
10AX	108A	2.8A <sup>2</sup> s	100W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

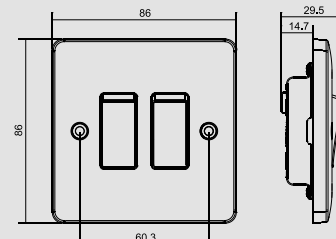
#### FEATURES

- 2Way switches can be wired as 1Way
- 10AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- 2Way switch contacts with silver buttons on both surfaces ensuring good conductivity
- Backed out and captive terminal screws
- Minimum 3mm switching contact gap
- Positive switch action
- Fixing screws hidden by screw caps

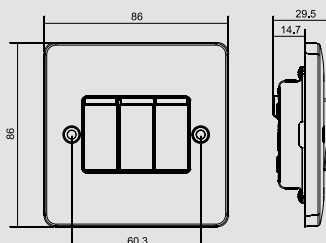
- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
  - MRSA – 99.98%
  - Klebsiella Phaeomonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



3 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



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# Wiring Devices Technical

## – MK Base

### 10A Push Switches – Single Pole

#### Standards and approvals

Compliance to IEC 60669-1:2017 and  
BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10A 1G 1 WAY PUSH SWITCH - SMALL ROCKER - BELL	MB4867WHI
	10A 1G 1 WAY PUSH SWITCH - SMALL ROCKER - PUSH	MB4868WHI


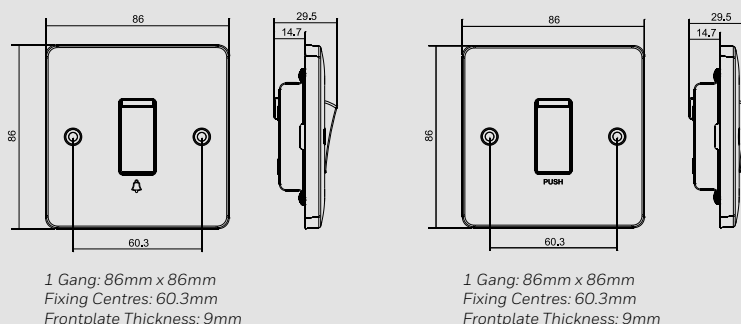
MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	31019WHI (30mm)
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 10A	
<b>TERMINAL CAPACITY</b> 4 x 1.5mm <sup>2</sup> , or 3 x 2.5mm <sup>2</sup> or 2 x 4.0mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> (stranded)	
<b>OPERATIONS</b> 20000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	



FEATURES	
• Positive switch action	• Backed out and captive terminal screws
• Minimum 3mm switching contact gap	• Fixing screws hidden by screw cap

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
  - MRSA – 99.98%
  - Klebsiella Phaeomonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

### 10AX Intermediate Switch – Single Pole

#### Standards and approvals

Compliance to IEC 60669-1:2017 and BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	10AX 1G INTERMEDIATE SWITCH - SMALL RCK	MB4866WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 10AX	
<b>TERMINAL CAPACITY</b> 2 x 2.5mm <sup>2</sup> or 1 x 4.0mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> (stranded)	
<b>OPERATIONS</b> 20000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	



#### Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameter:

RATED CURRENT	IPEAK	I <sup>2</sup> T	RECOMMENDED WATTAGE (INCLUDE SBL - SELF BALLASTED LAMP)
10AX	108A	2.8A <sup>2</sup> s	100W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

#### FEATURES

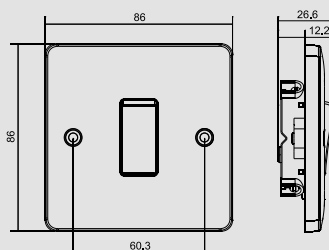
- 10AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- Switch contacts with silver buttons on both surfaces ensuring good conductivity
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebiella Phaeomonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



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# Wiring Devices Technical

## – MK Base

### 20AX Switches – Double Pole

#### Standards and approvals

Compliance to IEC 60669-1:2017 and  
BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	20AX 1G DP SWITCH WITH NEON - WATER HEATER	MB8423WHWHI
	20AX 1G DP SWITCH WITH NEON	MB8423WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 20AX	
<b>TERMINAL CAPACITY</b> 2 x 2.5mm <sup>2</sup> or 1 x 4.0mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> (stranded)	
<b>OPERATIONS</b> 5000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	



#### Caution Of Use

The maximum number or maximum wattage of each lighting circuit incorporating electronic ballasted lamps should be such that the inrush current should not exceed the following parameters:

RATED CURRENT	IPEAK	I <sup>2</sup> T	RECOMMENDED WATTAGE (INCLUDE SBL -SELF BALLASTED LAMP)
20AX	192A	13A <sup>2</sup> s	250W

Switches with a rated voltage of 250V shall be considered as switches for a distribution system 230/400V.

Disconnect the switch before performing insulation resistance test on the installation.

#### FEATURES

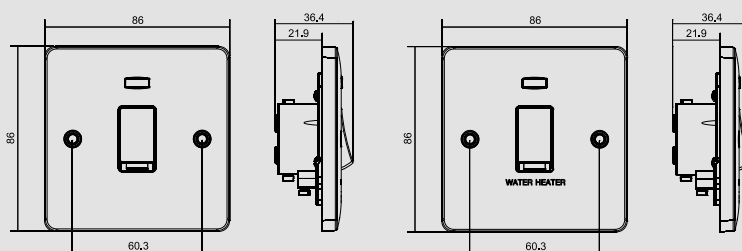
- 20AX switches do not have to be de-rated when use with magnetic ballasted fluorescent or inductive loads
- Switch contacts with silver buttons ensuring good conductivity
- Positive switch action
- Fixing screws hidden by screw caps
- Minimum 3mm switching contact gap
- Switch with red indicator
- Earth strip with 1 earth terminal

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

# Wiring Devices Technical

## – MK Base

### 32A Switch - Double Pole

#### Standards and approvals

Compliance to IEC 60669-1:2017 and BSEN 60669-1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	32A 1G DP SWITCH WITH NEON	MB5105WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	2031WHI (42mm)

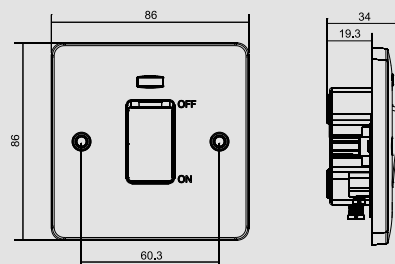
TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 32A	
<b>TERMINAL CAPACITY</b> 4 x 4mm <sup>2</sup> or 3 x 6.0mm <sup>2</sup> or 1 x 10.0mm <sup>2</sup> (stranded) or 1 x 16.0mm <sup>2</sup> (stranded)	
*note: If 10mm <sup>2</sup> and above cable is used, the minimum internal box depth must be at least 42mm.	
<b>OPERATIONS</b> 5000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	



#### FEATURES

- Switch with red rocker
- Switch with red lens for on/off indicator
- Switch with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Phaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001





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# Wiring Devices Technical – MK Base

## 45A Switches – Double Pole

### Standards and approvals

Compliance to IEC 60669-1:2017 and  
BSEN 60669-1:2018



PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	45A 1G DP SWITCH	MB5205WHI
	45A 1G DP SWITCH WITH NEON	MB5205NWHI
2 GANG	45A 2G DP SWITCH (2G PORTRAIT)	MB5215WHI
	45A 2G DP SWITCH WITH NEON (2G PORTRAIT)	MB5215NWHI
	45A 2G DP SWITCH WITH NEON - COOKER	MB5215NCWHI

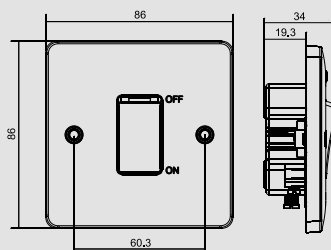
MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	2031WHI (42mm)
	886ZIC (35mm)	
2 GANG	878ZIC (46mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 45A	
<b>TERMINAL CAPACITY</b> 4 x 4mm <sup>2</sup> or 3 x 6.0mm <sup>2</sup> or 1 x 10.0mm <sup>2</sup> (stranded) or 1 x 16.0mm <sup>2</sup> (stranded)	
*note: If 10mm <sup>2</sup> and above cable is used, the minimum internal box depth must be at least 42mm.	
<b>OPERATIONS</b> 5000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	

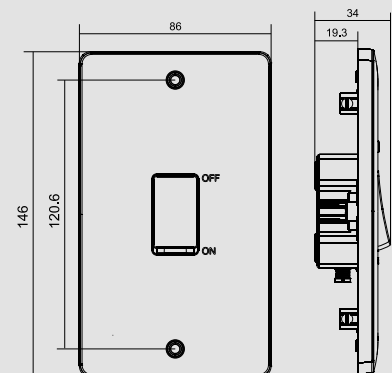
### FEATURES

- Switch with red rocker
- Switch with red lens for on/off indicator
- Switch with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Fixing screws hidden by screw caps
- Positive switch action
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

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### 3 Pole Fan Isolator Switch

#### Standards and approvals

Compliance to BSEN 60669-2-4:2005

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G 3 POLE FAN ISOLATOR SWITCH	MB4859WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)

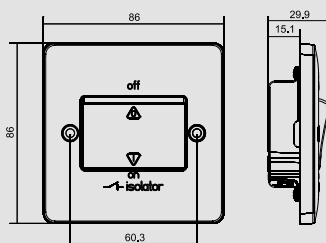
TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 250V a.c.	
<b>CURRENT RATING</b> 10A	
<b>TERMINAL CAPACITY</b> 4 x 1mm <sup>2</sup> or 4 x 1.5mm <sup>2</sup> or 3 x 2.5mm <sup>2</sup> or 2 x 4.0mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> (stranded)	
<b>OPERATIONS</b> 20000 times	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Switches complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	



#### FEATURES

- Minimum 4mm switching contact gap
- Rated conditional short circuit current:1500A
- Fixing screws hidden by screw caps
- Positive switch action

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



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# Wiring Devices Technical

## – MK Base

### 13A Socket Outlets - Single Pole

#### Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,  
IS 411:1997

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G SP SWITCHED SOCKET	MB2757WHI
	13A 1G SP SWITCHED SOCKET WITH NEON	MB2657WHI
	13A 1G UNSWITCHED SOCKET	MB780WHI
2 GANG	13A 2G SP SWITCHED SOCKET	MB2747WHI
	13A 2G SP SWITCHED SOCKET WITH NEON	MB2647WHI
	13A 2G UNSWITCHED SOCKET	MB781WHI



MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

#### FEATURES

- Safety shutter operated by earth pin of plug
- Switch rocker prominently printed with red flash to indicate 'ON'
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Minimum 3mm switching contact gap
- Fixing screws hidden by screw caps
- Positive switch action
- Backed out and captive terminal screws
- Suitable for use with 13A adaptor (BS 1363: Part 3)

#### TECHNICAL SPECIFICATION

##### ELECTRICAL

**VOLTAGE RATING**  
250V a.c.

**CURRENT RATING**  
13A

**TERMINAL CAPACITY**  
4 x 2.5mm<sup>2</sup> or  
3 x 4.0mm<sup>2</sup> or  
2 x 6.0mm<sup>2</sup> (stranded)

**OPERATIONS**  
15000 times

##### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

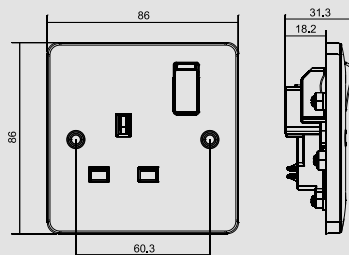
Conditions of use - Socket-outlets shall be suitable for use under the following conditions:  
a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

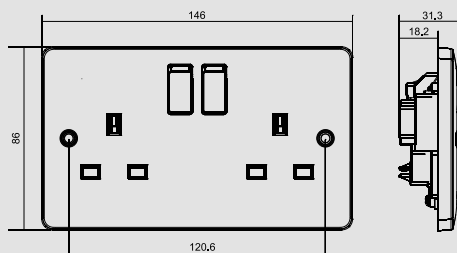
**IP RATING**  
IP4X

**MAX. INSTALLATION ALTITUDE**  
2000 metres

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

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### 13A Switchsocket Outlets - Double Pole

#### Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,  
IS 411:1997

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G DP SWITCHED SOCKET	MB2757DPWHI
	13A 1G DP SWITCHED SOCKET WITH NEON	MB2657DPWHI
2 GANG	13A 2G DP SWITCHED SOCKET	MB2747DPWHI
	13A 2G DP SWITCHED SOCKET WITH NEON	MB2647DPWHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
	SS30WHI (35mm)	
	SS30BLK (35mm)	
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)
	SS40WHI (35mm)	
	SS40BLK (35mm)	

#### TECHNICAL SPECIFICATION

##### ELECTRICAL

**VOLTAGE RATING**  
250V a.c.

**CURRENT RATING**  
13A

**TERMINAL CAPACITY**  
4 x 2.5mm<sup>2</sup> or  
3 x 4.0mm<sup>2</sup> or  
2 x 6.0mm<sup>2</sup> (stranded)

##### OPERATIONS

15000 times

##### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

Conditions of use - Socket-outlets shall be suitable for use under the following conditions:

a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

##### IP RATING

IP4X

##### MAX. INSTALLATION ALTITUDE

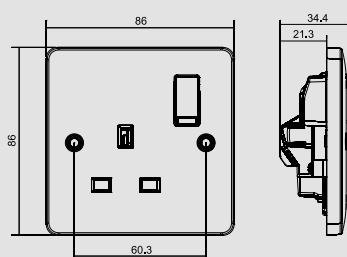
2000 metres



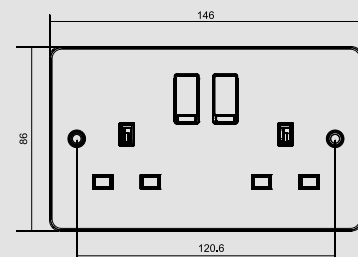
#### FEATURES

- Safety shutter operated by earth pin of plug
- Minimum 3mm switching contact gap
- Positive switch action
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Backed out and captive terminal screws
- Suitable for use with 13A adaptor (BS 1363: Part 3)
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X1.74 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline  
+44 (0)1268 563720

# Wiring Devices Technical

## – MK Base

### 13A Socket Outlets with USB Port - Double Pole

#### Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,  
IEC 61558-2-16:2009 and EN 61000

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	13A 1G DP SWITCHED SOCKET WITH USB PORT	MB24354WHI
2 GANG	13A 2G DP SWITCHED SOCKET WITH USB PORT	MB24344WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

#### TECHNICAL SPECIFICATION

ELECTRICAL	
<b>INPUT VOLTAGE AND FREQUENCY</b> 250V a.c. 50/60Hz	<b>LOW LOAD EFFICIENCY</b> 79%
<b>OUTPUT VOLTAGE</b> 5V d.c.	<b>NO LOAD POWER CONSUMPTION</b> 0.06W
<b>OUTPUT CURRENT</b> 2.4A	<b>CURRENT RATING</b> 13A Combined total 2.4A drawn from USB ports
<b>OUTPUT POWER</b> 12.0W	<b>TERMINAL CAPACITY</b> 4 x 2.5mm <sup>2</sup> or 3 x 4.0mm <sup>2</sup> or 2 x 6.0mm <sup>2</sup> (stranded)
<b>AVERAGE ACTIVE EFFICIENCY</b> 84%	

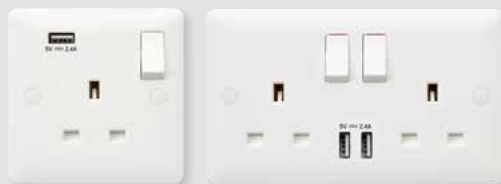
**OPERATIONS**  
15000 times

**PHYSICAL**  
**AMBIENT OPERATING TEMPERATURE**  
Conditions of use - Socket-outlets shall be suitable for use under the following conditions:  
a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

**IP RATING**  
IP4X

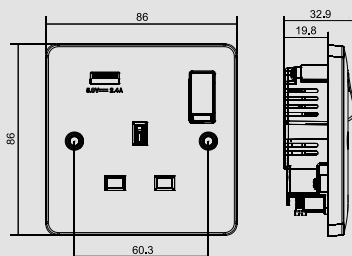
**MAX. INSTALLATION ALTITUDE**  
2000 metres



#### FEATURES

- If only one device is connected to one of the USB ports, the total rated current of 2.4A is available to the port
- If two devices are connected to the USB ports, the total rated current of 2.4A is divided between the two ports
- USB ports are designed to provide optimum charging compatibility across a wide range of devices
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- If the total charging current exceeds the rated level of 2.4A, the USB port shall enter a current limiting safety mode
- Each individual USB port has internal safety feature to protect against overload or short circuit
- Safety shutter operated by earth pin of plug
- USB2.0 and USB3.0 compatible
- Minimum 3mm switching contact gap
- Backed out and captive terminal screws
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'

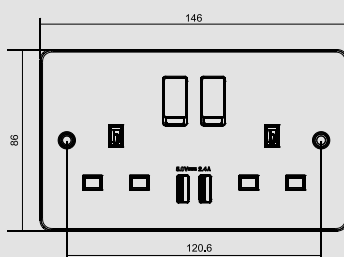
- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



**5.0V === 2.4A**

Surface marking

1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



**5.0V === 2.4A**

Surface marking

2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

mkelectric.co.uk



### 13A Socket Outlets with USB Port - Single Pole

#### Standards and approvals

Compliance to BS 1363-2:2016+A1:2018,  
IEC 61558-2-16:2009 and EN 61000

#### PRODUCT RANGE:

GANG	DESCRIPTION	PRODUCT CODE
2 GANG	13A 2G SP SWITCHED SOCKET WITH USB PORT	MB24345WHI

#### MOUNTING BOXES (INTERNAL DEPTH):

GANG	FLUSH	SURFACE
2 GANG	881ZIC (25mm)	
	886ZIC (35mm)	2172WHI (44mm)

#### TECHNICAL SPECIFICATION

ELECTRICAL	
<b>INPUT VOLTAGE AND FREQUENCY</b> 250V a.c. 50/60Hz	<b>LOW LOAD EFFICIENCY</b> 79%
<b>OUTPUT VOLTAGE</b> 5V d.c.	<b>NO LOAD POWER CONSUMPTION</b> 0.06W
<b>OUTPUT CURRENT</b> 2.4A	<b>CURRENT RATING</b> 13A Combined total 2.4A drawn from USB ports
<b>OUTPUT POWER</b> 12.0W	<b>TERMINAL CAPACITY</b> 4 x 2.5mm <sup>2</sup> or 3 x 4.0mm <sup>2</sup> or 2 x 6.0mm <sup>2</sup> (stranded)
<b>AVERAGE ACTIVE EFFICIENCY</b> 84%	

#### OPERATIONS

15000 times

#### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

Conditions of use - Socket-outlets shall be suitable for use under the following conditions:

a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

##### IP RATING

IP4X

##### MAX. INSTALLATION ALTITUDE

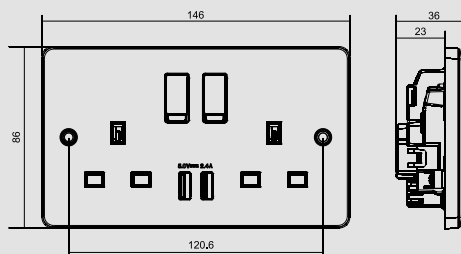
2000 metres



#### FEATURES

- If only one device is connected to one of the USB ports, the total rated current of 2.4A is available to the port
- If two devices are connected to the USB ports, the total rated current of 2.4A is divided between the two ports
- USB ports are designed to provide optimum charging compatibility across a wide range of devices
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- If the total charging current exceeds the rated level of 2.4A, the USB port shall enter a current limiting safety mode
- Each individual USB port has internal safety feature to protect against overload or short circuit
- Safety shutter operated by earth pin of plug
- USB2.0 and USB3.0 compatible
- Minimum 3mm switching contact gap
- Backed out and captive terminal screws
- Fixing screws hidden by screw caps
- Switch rocker prominently printed with red flash to indicate 'ON'

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



5.0V  $\overline{=}$  2.4A

Surface marking

2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



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+44 (0)1268 563720

# Wiring Devices Technical

## – MK Base

### Cooker Control Unit - Double Pole

#### Standards and approvals

Compliance to BS 4177:1992+A1+A2+A3+A4,  
BS 1363-2:2016

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	45A DP SWITCH & 13A DP SWITCHED SOCKET	MB5060WHI
	45A DP SWITCH & 13A DP SWITCHED SKT NEON	MB5061WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
2 GANG	878ZIC (46mm)	2172WHI (44mm)

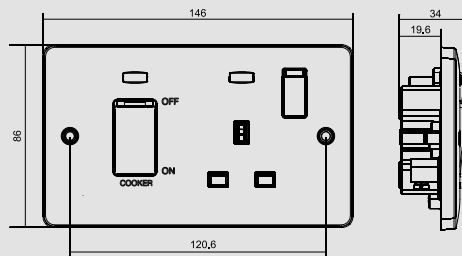
TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b>	
250V a.c.	
<b>CURRENT RATING</b>	
45A (switch) & 13A (socket)	
<b>TERMINAL CAPACITY</b>	
4 x 4mm <sup>2</sup> or	
3 x 6.0mm <sup>2</sup> or	
1 x 10.0mm <sup>2</sup> (stranded) or	
1 x 16.0mm <sup>2</sup> (stranded)	
note: If 10mm <sup>2</sup> and above cable is used, the minimum internal box depth must be at least 42mm.	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b>	
Cooker control units complying with this standard are suitable for use under the following conditions:	
1) in air temperatures from - 5 °C to +40 °C with an average value over a period of 24 h not exceeding +25 °C;	
<b>IP RATING</b>	
IP4X	
<b>MAX. INSTALLATION ALTITUDE</b>	
2000 metres	



#### FEATURES

- 45A switch with red rocker
- Switch rocker prominently printed with red flash to indicate 'ON'
- Sockets are fitted with two earth terminals on a common busbar to provide a dual earthing facility for safety protection
- Safety shutter operated by earth pin of plug
- Minimum 3mm switching contact gap
- Fixing screws hidden by screw caps
- Suitable for use with 13A adaptor (BS 1363: Part 3)

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

mkelectric.co.uk



### 13A Fused Connection Units – Double Pole

#### Standards and approvals

Compliance to BS 1363-4:2016+A1:2018

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G 13A DP SWITCHED FUSED CONNECTION UNIT	MB1.040WHI
	1G 13A DP SWT FUSED CON UNIT WITH FLEX	MB1.041WHI
	1G 13A DP SWT FUSED CON UNIT WITH NEON	MB1.042WHI
	1G 13A DP SWT FUSED CON UNIT + NEON & FLEX	MB1.070WHI
	1G 13A DP UNSWT FUSE CON UNIT + NEON & FLEX	MB1.030WHI
	1G 13A DP UNSWT FUSED CON UNIT WITH FLEX	MB1.031WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)

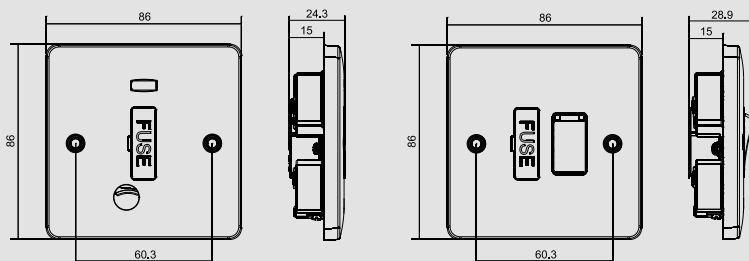
TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b>	
250V a.c.	
<b>CURRENT RATING</b>	
13A	
<b>TERMINAL CAPACITY</b>	
4 x 2.5mm <sup>2</sup> or	
3 x 4.0mm <sup>2</sup> or	
2 x 6.0mm <sup>2</sup> (stranded)	
<b>FLEX OUTLET/ CORD GRIP CAPACITY</b>	
Min. 2 Core, 0.5mm <sup>2</sup>	
Max. 3 Core, 1.5mm <sup>2</sup>	
<b>OPERATIONS</b>	
15000 times (switch)	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b>	
Conditions of use - Fused connection units shall be suitable for use under the following conditions:	
a) an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.	
<b>IP RATING</b>	
IP4X	
<b>MAX. INSTALLATION ALTITUDE</b>	
2000 metres	



#### FEATURES

- Provide double pole switched construction for switched version, switch with positive switch action
- Two earth terminals for ease of looping
- Switch contacts with silver buttons on both surfaces ensuring good conductivity
- Switched connection unit is fitted with ASTA approved 13A fuse
- Switch rocker prominently printed with red flash to indicate 'ON'
- Fixing screws hidden by screw caps
- Minimum 3mm switching contact gap

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang (Front Flex Outlet): 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

1 Gang (Front Flex Outlet): 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001





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+44 (0)1268 563720

# Wiring Devices Technical

## – MK Base

### Trailing Edge LED Dimmer - 1 Way

#### Standards and approvals

Compliance to IEC 60669-2-1:2002+A1:2008 and BSEN 60669-2-1: 2004+A12:2010

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G LED UNIVERSAL DIMMER	MB1523WHI
	2G LED UNIVERSAL DIMMER	MB1524WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861 ZIC (25mm)	
	866 ZIC (35mm)	2031 WHI (42mm)
2 GANG	886 ZIC (35mm)	
	878 ZIC (46mm)	2072 WHI (42mm)

TECHNICAL SPECIFICATION	
<b>ELECTRICAL</b>	
<b>VOLTAGE RATING</b> 220 - 240V a.c. 50/60 Hz	
<b>TERMINAL CAPACITY</b> 2 x 1.5mm <sup>2</sup> 2 x 2.5mm <sup>2</sup> 1 x 4.0mm <sup>2</sup> (stranded) 1 x 6.0mm <sup>2</sup> (stranded)	
<b>LAMP LOAD</b>	
<b>MV1523WHI</b> Resistive: 10 W (min.) 200W(max) LED (dimmable LED): 6 W (min.) 100W(max) Halogen lamp with Electronic transformer: 35 W (min.) 100W(max)	
<b>MV1524WHI</b> Resistive: 10 W (min.) 200W(max) LED (dimmable LED): 6 W (min.) 100W(max) Halogen lamp with Electronic transformer: 35 W (min.) 100W(max)	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b> Electronic switches complying with this standard are suitable for use at ambient temperature not normally exceeding 25 °C but occasionally reaching 35 °C.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	

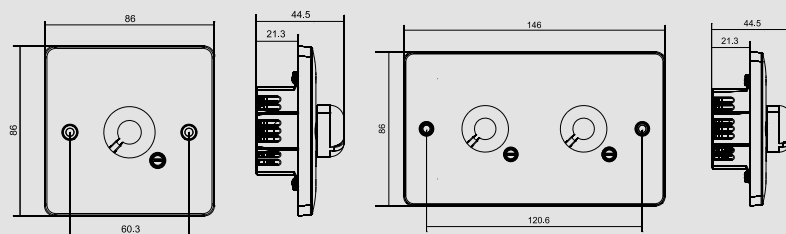


#### Caution Of Use

- Do not exceed the recommended load rating of this product as the protective device shall prevent the product from functioning;
- Waste electrical product should not be disposed together with household waste, please recycle where facilities exists, check with your local authority or retailer for recycling advice;
- If you are in doubt regarding the application or installation of this product, please contact the MK Technical Helpline.

FEATURES	
<ul style="list-style-type: none"> <li>Wide rotating angle of 300° for dimming/brightness adjustment</li> <li>Provide feature for brightness adjustment at minimum dimming level</li> </ul>	<ul style="list-style-type: none"> <li>An overload protective device (non-resettable and non-replaceable) for safety purpose</li> <li>Fixing screws hidden by screw caps level</li> <li>EMC Compliance</li> </ul>

<ul style="list-style-type: none"> <li>Made from urea which has inherent antimicrobial properties*</li> <li>Independently tested to the latest industry standard - ISO 22196:2011</li> <li>Bacteria kill rates over 24 hours:               <ul style="list-style-type: none"> <li>- MRSA – 99.98%</li> <li>- Klebiella Pnaemonia – 99.78%</li> <li>- E.Coli – 99.99%</li> <li>- Listeria – 99.97%</li> <li>- Salmonella – 99.98%</li> <li>- S.Aureus 6538p – 99.99%</li> </ul> </li> <li>Virus kill rate over 24 hours               <ul style="list-style-type: none"> <li>- Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%</li> </ul> </li> </ul>	
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1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm

2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

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### Shaver Supply Unit

#### Standards and approvals

Compliance to IEC 61558-2-5:2010 and BSEN 61558-2-5:2010

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
2 GANG	115/230V SHAVER SOCKET 50Hz/60Hz	MB701WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
2 GANG	878 ZIC (46mm)	2172 WHI (44mm)

#### TECHNICAL SPECIFICATION

##### ELECTRICAL

**INPUT VOLTAGE RATING**  
220 - 240V a.c. 50/60 Hz

**OUTPUT VOLTAGE RATING**  
230 V a.c. and 115 V a.c.

**TERMINAL CAPACITY**  
200mA maximum (internal thermistor trip current)

**MAXIMUM LOAD**  
20VA  
No Load Voltage <275V\*

\*The design of this unit means that on no load the transformer output is allowed to be as high as 275V. To protect the transformer, loads in excess of 20VA may cause the solid state overload to operate before shaving is completed.

##### ACCOMMODATE PLUGS

- British 5mm diameter pins on 16.6mm pitch (230V socket) to BS 4573.
- European 4mm diameter pins on 17-19mm pitch (230V socket) to IEC 83 Standard C5.
- Australian 6.5mm x 1.6mm flat blades each set to the vertical on a nominal 13.7mm pitch (230V socket) to AS C112.
- American 6.6mm x 1.6mm flat horizontal blades on 12.7mm pitch (115V socket) to ANSI C73.10.

##### PHYSICAL

###### AMBIENT OPERATING TEMPERATURE

Shaver units shall be suitable for use under the following conditions:

- an ambient temperature in the range -5 °C to +40 °C
- the average value over 24 h not exceeding 25 °C;

NOTE - Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

###### IP RATING

IP41

###### MAX. INSTALLATION ALTITUDE

2000 metres



#### Caution Of Use

Shaver units shall be suitable for use under the following conditions:

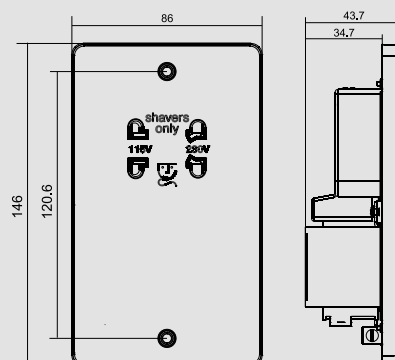
- an ambient temperature in the range -5 °C to +40 °C
- the average value over 24 h not exceeding 25 °C;

NOTE - Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur it does not persist for lengthy periods.

#### FEATURES

- 230VAC or 115VAC output for choice
- Safety interlocked shutters to prevent insertion of two plugs simultaneously
- Integral over-current device to protect transformer
- Automatic primary supply switching on insertion of plug
- Top access terminals make wiring quicker and easier
- Fixing screws hidden by screw caps
- Printed symbols on the front
- Ideal to be used in bathrooms and washrooms

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



2 Gang: 86mm x 146mm  
 Fixing Centres: 120.6mm  
 Frontplate Thickness: 9.0mm

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline  
+44 (0)1268 563720

# Wiring Devices Technical

## – MK Base

### TV Socket Outlets

#### Standards and approvals

Applicable to Insulating Material:  
BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G SINGLE OUTLET MALE NON-ISOLATED TV SOCKET	MB3520WHI
	1G SINGLE FEMALE NON-ISOLATED TV SOCKET	MB3521WHI
	1G SINGLE OUTLET ISOLATED TV SOCKET	MB3522WHI
	1G DOUBLE OUTLET TV-FM ISOLATED SOCKET	MB3523WHI
	1G TRIPLE OUTLET TV-FM-SAT TRIPLEXER	MB3553WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866 ZIC (35mm)	
	877 ZIC (46mm)	2031 WHI (42mm)

TECHNICAL SPECIFICATION	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b>	
Accessories conforming to this standard are suitable for use under the following conditions of service: - an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.	
<b>IP RATING</b> IP4X	
<b>MAX. INSTALLATION ALTITUDE</b> 2000 metres	


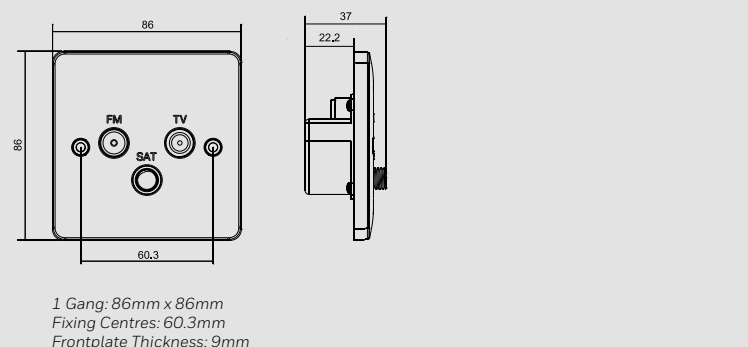
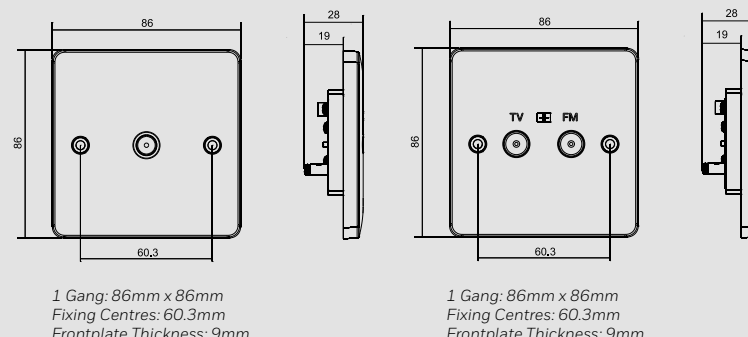
SMATV – TV/FM/SAT TRIPLEXER OUTLET			
NO	PARAMETER	PRODUCT SPECIFICATION	
1	Input Frequency (MHz)	5/2400 MHz	
2	Output Frequency (MHz)	5/2400 MHz	
3	Output TV	Frequency (MHz)	5/65 – 120/862
		Connector	IEC 9,52 F
4	Output RD	Frequency (MHz)	85/110 MHz
		Connector	IEC 9,52 M
5	Output RD	Frequency (MHz)	950/2400 MHz
		Connector	F female
6	Through loss (dB)	TV	< 3.5-4 dB
		SAT	< 4.5-6 dB
7	Tap loss (dB)	<5 dB	
8	Isolation between outputs	<25 dB	



**FEATURES**

- Clear aesthetic markings on the frontplate
- Fixing screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours  
- Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%

Recommend coaxial cable entry from the sides of installation box to allow enough space for cable movement within the box.

Curl coaxial cable into a spiral shape to ease fitting the product into the box.

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

### Voice/Data Product

#### Standards and approvals

Applicable to Insulating Material:  
BS 5733:2010+A1:2014

Applicable to CAT 6 module:  
ANSI/TIA-568-C.2-2009



PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G RJ11 4 WIRE TELEPHONE SOCKET	MB417WHI
	1G DOUBLE RJ11 4 WIRE TELEPHONE SOCKET	MB418WHI
	1G BT TELEPHONE SOCKET (MASTER)	MB422WHI
	1G BT TELEPHONE SOCKET (SECONDARY)	MB427WHI
	1G RJ45 CAT6 DATA SOCKET	MB428WHI
	1G DOUBLE RJ45 CAT6 DATA SOCKET	MB429WHI

#### FEATURES

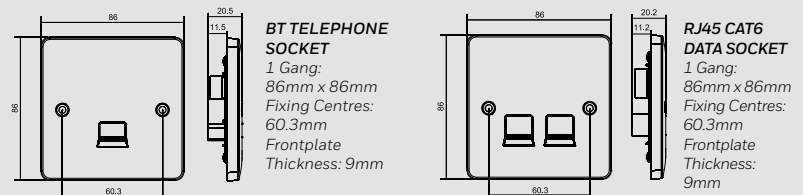
- RJ45 CAT6 Data module with shutter for in-coming CAT6 network plug connection
- RJ11 Telephone module with shutter for in-coming telephone plug connection
- Fixing screws hidden by screw caps

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861 ZIC (25mm)	
	866 ZIC (35mm)	2031WHI (42mm)

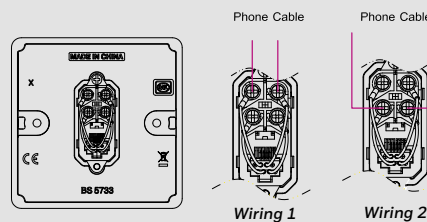
- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



TECHNICAL SPECIFICATION	
<b>RJ11 4 WIRE TELEPHONE SOCKET SPECIFICATION</b>	
<b>CONTACT FORCE</b> 99.2g (3.5oz) FCC Plug	
<b>PLUG RETENTION FORCE</b> 301b (133n/13.3Kg)	
<b>JACK INSERTION FORCE</b> 0.5Kg minimum	
<b>JACK RETENTION FORCE</b> 0.5Kg minimum	
<b>CONTACT PLATING</b> Flash gold plating on contact area	
<b>RJ11 4 WIRE TELEPHONE SOCKET SPECIFICATION</b>	
<b>INSULATION RESISTANCE</b> ≥ 500 MΩ, 500VDC	<b>PLUG RETENTION FORCE</b> 301b (133n/13.3Kg)
<b>DIELECTRIC WITHSTAND VOLT</b> 1000VAC @60Hz for 1 minute	<b>JACK INSERTION FORCE</b> 0.5Kg minimum
<b>CONTACT RESISTANCE</b> ≤ 20 MΩ	<b>JACK RETENTION FORCE</b> 0.5Kg minimum
<b>CURRENT RATING</b> 1.5A at 68°F	<b>CONTACT PLATING</b> 50u" gold plating over contact area
<b>CONTACT FORCE</b> 99.2g (3.5oz) FCC Plug	<b>ACCEPTABLE CABLE SIZE FOR IDC</b> 23 ~ 26 AWG Solid Cable
<b>PLUG INSERTION LIFE</b> ≥ 750 times plug in	



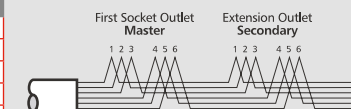
A: RJ11 4 Wire Telephone - Wiring Scheme



- Note:
1. There are 4 colour codes: Red, Green, Black, Yellow, in which have two wiring schemes;
  2. Please select the desired wiring scheme (see picture - wiring 1 or 2);
  3. Then loosen the screws of the wiring scheme slots, and insert the 2 wires of the phone cable into them;
  4. Tighten back the screws with the phone cable secured.

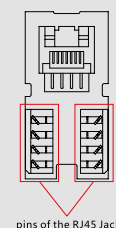
B: BT Telephone Socket - Wiring Scheme and Colour Codes

PIN NO.	STRIPPED COLOUR WIRE
1	WHITE / white
2	BLUE / white
3	ORANGE / white
4	WHITE / orange
5	WHITE / blue
6	WHITE / green



C: RJ45 CAT6 DATA Socket – TIA/EIA Wiring Scheme and Colour Codes

PIN NO.	568A	568B
1	WHITE / green	WHITE / orange
2	GREEN	ORANGE
3	WHITE / orange	WHITE / green
4	BLUE	BLUE
5	WHITE / blue	WHITE / blue
6	ORANGE	GREEN
7	WHITE / brown	WHITE / brown
8	BROWN	BROWN



- Note:
1. There is a label in the RJ45 module in which marked the two different TIA wiring scheme, and each scheme has 8 different colour codes: A-568A, B-568B
  2. Please select the desired wiring scheme;
  3. Insert the 8 wires of the cable into the pins of the RJ45 jack (see image), and each wire shall match the same colour pin of RJ45 jack according;
  4. Then secure the cable wires into the RJ45 jack by the use of an appropriate cable-tool

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001



Technical Hotline  
+44 (0)1268 563720

# Wiring Devices Technical

## – MK Base

### Blank Plates

#### Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1G BLANK PLATE	MB3827WHI
2 GANG	2G BLANK PLATE	MB3828WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	861ZIC (25mm)	
	866ZIC (35mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)


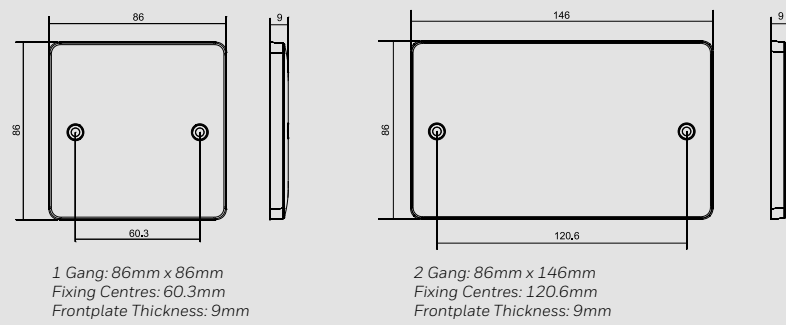
TECHNICAL SPECIFICATION	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b>	
Accessories conforming to this standard are suitable for use under the following conditions of service: - an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.	
<b>IP RATING</b>	
IP4X	
<b>MAX. INSTALLATION ALTITUDE</b>	
2000 metres	



**FEATURES**

- Fixing Screws hidden by screw caps

- Made from urea which has inherent antimicrobial properties\*
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – 99.98%
  - Klebsiella Pnaemonia – 99.78%
  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%

\* Screw caps are made from polycarbonate.

Reference colour code for urea components: RAL9001

# Wiring Devices Technical

## – MK Base

mkelectric.co.uk



### EURO Front Plates

#### Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1M EURO FRONT PLATE	MB181WHI
	2M EURO FRONT PLATE	MB182WHI
2 GANG	4M EURO FRONT PLATE	MB184WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	
	877ZIC (46mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

#### TECHNICAL SPECIFICATION

##### PHYSICAL

##### AMBIENT OPERATING TEMPERATURE

Accessories conforming to this standard are suitable for use under the following conditions of service:  
 - an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;

NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.

##### IP RATING

IP2X

##### MAX. INSTALLATION ALTITUDE

2000 metres

\* Screw caps are made from polycarbonate.

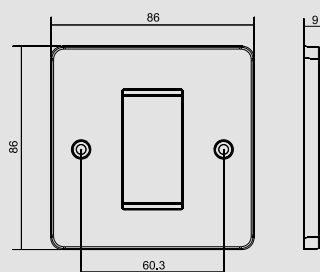
Reference colour code for urea components: RAL9001



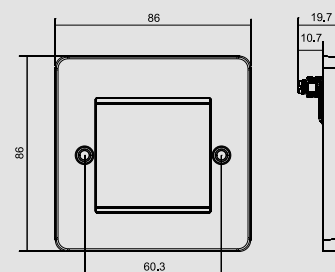
#### FEATURES

- Earth terminals for ease of looping for 1G 2M Euro Front Plate and 2G 4M Euro Front Plate
- Fixing screws hidden by screw caps

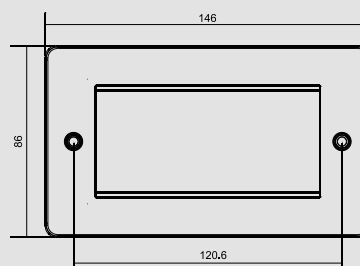
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  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%



1 Gang: 86mm x 86mm  
 Fixing Centres: 60.3mm  
 Frontplate Thickness: 9mm



1 Gang: 86mm x 86mm  
 Fixing Centres: 60.3mm  
 Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
 Fixing Centres: 120.6mm  
 Frontplate Thickness: 9mm





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# Wiring Devices Technical

## – MK Base

### Grid Front Plates

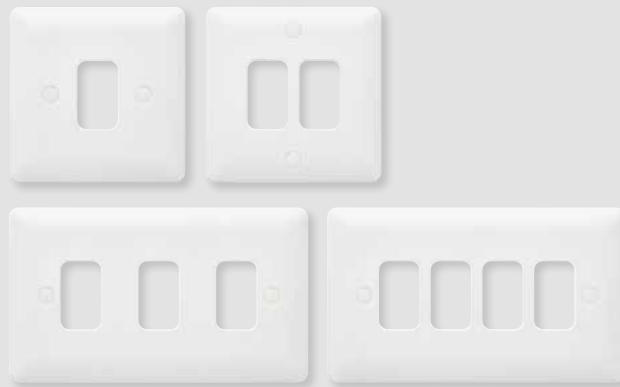
#### Standards and approvals

Compliance to BS 5733:2010+A1:2014

PRODUCT RANGE:		
GANG	DESCRIPTION	PRODUCT CODE
1 GANG	1 MOD GRID PLATE	MB3631WHI
	2 MOD GRID PLATE	MB3632WHI
2 GANG	3 MOD GRID PLATE	MB3633WHI
	4 MOD GRID PLATE	MB3634WHI

MOUNTING BOXES (INTERNAL DEPTH):		
GANG	FLUSH	SURFACE
1 GANG	866ZIC (35mm)	
	877ZIC (46mm)	2031 WHI (42mm)
2 GANG	886ZIC (35mm)	
	878ZIC (46mm)	2172WHI (44mm)

TECHNICAL SPECIFICATION	
<b>PHYSICAL</b>	
<b>AMBIENT OPERATING TEMPERATURE</b>	
Accessories conforming to this standard are suitable for use under the following conditions of service:	
- an ambient temperature in the range -5 °C to +40 °C, the average value over 24 h not exceeding 25 °C;	
NOTE 1 Under normal conditions of use, the available cooling air is subject to natural atmospheric variations of temperature and hence the peak temperature occurs only occasionally during the hot season, and on those days when it does occur, it does not persist for lengthy periods.	
<b>IP RATING</b>	
IP4X	
<b>MAX. INSTALLATION ALTITUDE</b>	
2000 metres	



#### FEATURES

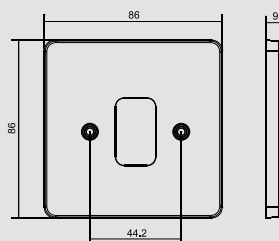
- Fixing Screws hidden by screw caps

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  - E.Coli – 99.99%
  - Listeria – 99.97%
  - Salmonella – 99.98%
  - S.Aureus 6538p – 99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – 99.99%

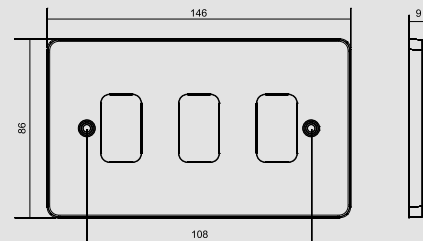


\* Screw caps are made from polycarbonate.

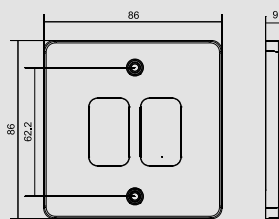
Reference colour code for urea components: RAL9001



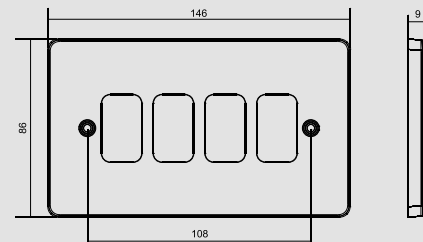
1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm



1 Gang: 86mm x 86mm  
Fixing Centres: 60.3mm  
Frontplate Thickness: 9mm



2 Gang: 86mm x 146mm  
Fixing Centres: 120.6mm  
Frontplate Thickness: 9mm

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