

## MASTERSEAL PLUS™

Tough and robust IP66 ingress protection



THRIVES IN THE TOUGHEST CONDITIONS.

MK Electric has always been at the forefront of technical innovation, not least in the IP environment.

Masterseal Plus<sup>™</sup> has been tested to levels well in excess of British Standards. Masterseal Plus safeguards users in the harshest of environments, employing a gel seal for reliable protection.

With a superb rating of IP66, Masterseal Plus is dust-tight to any ingress, and water-tight against high-pressure water jets from any direction.

## **HOW TO SPECIFY**

A range of water and dust tight enclosures, rated at IP66 when in use, manufactured from UV stable thermoplastic material and utilising a gel gasket seal and easy to open catch

To enable quick and easy installation the seal will be fixed to the mounting frame of the unit.

Containing a urea moulded antibacterial range of wiring accessories, designed with soft curves and chamfered top edges that offer a slim unobtrusive appearance.

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 standard BS sockets to have a 3 pin operated "child Resistant" shutter system and double pole switching, with the contacts designed such that the neutral makes before and breaks after the live pole for improved safety.

All products to be made in the UK.





# RANGE INTRODUCTION

Masterseal Plus has been specifically developed for use in both outdoor and indoor environments, and where wiring devices and accessories would be at risk from penetration by dust or water.

With a rating of IP66\*, Masterseal Plus offers total protection against dust, and is protected against high pressure jets of water from any direction. Masterseal Plus sockets can seal around virtually any standard 13A plug – including moulded plugs – allowing safe connection for any appliance.

An improved catch eases the opening and closing of the lid, whilst ensuring the integrity of the seal. The gasket is fixed to the mounting frame of the product, enabling rapid installation, and removing the risk of error when placing a floating gasket.

The Masterseal Plus range extends to over 90 product variations as the enclosures house selected products from the Logic Plus portfolio – thus offering all the benefits of the Logic Plus range within the Masterseal Plus enclosures.

## **FEATURES & BENEFITS**

### IP66\*

Masterseal Plus offers total dust ingress protection, and is protected against high-pressure water jets from any direction, when in use.

## Robust Construction and Temperature Tolerant

Masterseal Plus will not discolour, crack or fade in UV light (unlike many other plastics), and will maintain operation in extremes of heat and cold.

## Impact Protection

Masterseal Plus enclosures are made from polycarbonate, one of the toughest thermoplastics available – incidentally also used in products such as motorcycle helmets.

## Widest Range

The Masterseal Plus range extends to over 90 product variants. The enclosures house products from the Logic Plus™ range, all enclosures and switches are available in Grey and White.

## 20 Year Guarantee

Masterseal Plus is guaranteed for 20 years. (10 years for electronic products)







## MASTERSEAL PLUS INGRESS PROTECTED -IP66

# Masterseal Plus is perfectly suited to a range of indoor and outdoor environments.

Typical installations include factories, swimming pools, laboratories, commercial kitchens, industrial units, warehouses, and cleanrooms.

The wide portfolio of products extends to over 90 product variants providing a solution for every application, ensuring wiring devices and accessories are protected in the toughest conditions.



## **SOLID PROTECTION**

## **Dust Tight:**

No ingress of dust. Complete protection against contact.

## **LIQUID PROTECTION**

## Powerful water jets:

Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.

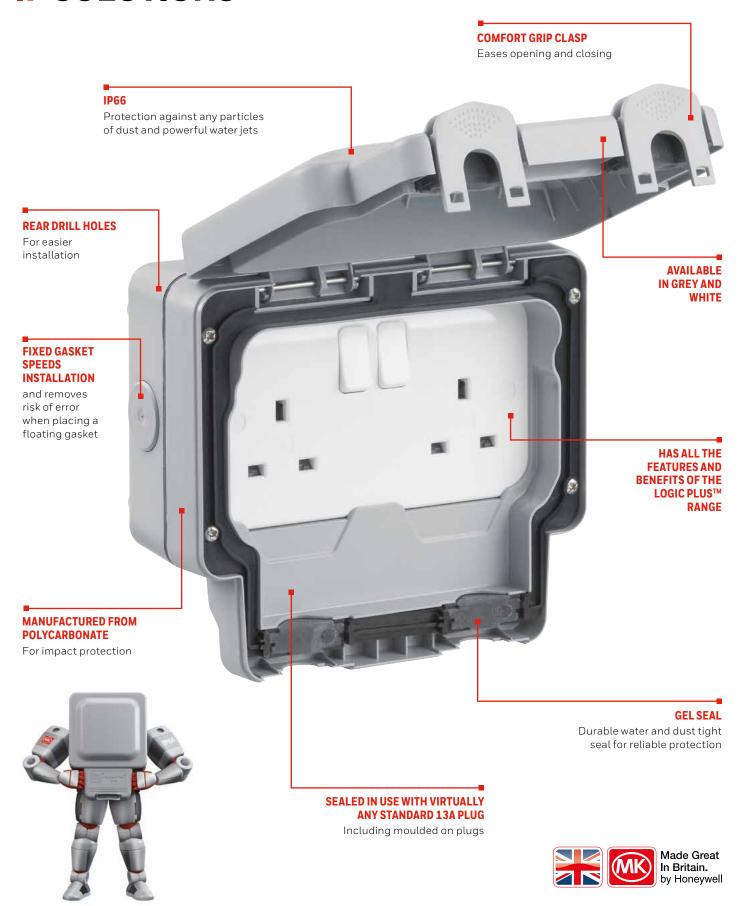








## **IP SOLUTIONS**



## **MASTERSEAL PLUS PRODUCT SELECTOR**

### SWITCHSOCKET OUTLETS, TIMER SOCKET OUTLETS AND KEY OPERATED SOCKET OUTLETS

### SOCKET OUTLETS

## 13 AMP **IP66**



K56486GRY



K56482WHI



K56488GRY



K56485GRY



K56485WHI



K56487GRY

RCD PROTECTED 13 AMP IP66



K56201GRY



K56231WHI



K56233WHI

13 AMP **IP66** 



K56480GRY



K56481WHI



K56481GRY

16 AMP IP66 (NON UK)



K56483GRY



K56483WHI

## K56486GRY K56486WHI

13A DP 1 GANG SWITCHED

## K56482GRY K56482WHI

13A DP 2 GANG SWITCHED

## K56488GRY K56488WHI

13A DP SWITCHED 2 GANG NEON CLEAR COVER

Fixing holes are for No.8 woodscrews (not supplied).

K56486 has 4 x 20mm entries, 1 on top, bottom and each side and is pplied with an earth terminal in the

2 gang backbox has 5 cable entries, 2 on top and 1 centrally on other 3 sides. Supplied with earth terminals in backbox.

### DIMENSIONS

1 gang 157 x 110 x 89mm 2 gang 157 x 175 x 89mm BS 1363-2:2016+A1:2018 IP66 BS EN 60529:1992+A2:2013

## K56485GRY

#### 1 1 K56485WHI

13ASP 1 GANG

WITH ELECTRONIC TIMER MODULE

### 1 K56487GRY K56487WHI

13A 1 GANG DP

KEY OPERATED SOCKET

Timer Module meets the requirements of IEC 60730-1 and IEC 60730-2-7 Standards

## K56201GRY

#### 1 K56201WHI

1

1 GANG - DP RCD 30mA RATED TRIPPING CURRENT

CONTROL CIRCUIT

#### K56231GRY 1

## K56231WHI

2 GANG - DP RCD 30mA RATED TRIPPING CURRENT ACTIVE

CONTROL CIRCUIT

## K56233GRY K56233WHI

2 GANG - DP RCD 30mA RATED TRIPPING CURRENT PASSIVE CONTROL CIRCUIT

RCD protected sockets are pulsating d.c. and a.c. fault current sensitive.
Fixing holes are for No.8 woodscrews (not

Supplied with an earth terminal in the back box. The Sentrysocket has 5 entries. Suitable for supply voltage of 240V a.c. 50Hz Standard Shutters

## DIMENSIONS

157 x 175 x 89mm BS 7288:2016 IP66 BS EN 60529:1992+A2:2013

## K56480GRY

1

1

1

### K56480WHI 13A 1 GANG

UNSWITCHED K56481GRY

## K56481WHI

1 13A 2 GANG 1 UNSWITCHED

Fixing holes are for No.8 woodscrews (not supplied).

**K56480** has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the BS1363-2:2016+A1:2018

IP66 BS EN 60529:1992+A2:2013 **K56481** Backbox has 5 cable entries, 2 on top and 1 centrally on other 3 sides. Supplied with earth terminals in backbox

## DIMENSIONS

1 gang 157 x 110 x 89mm 2 gang 157 x 175 x 89mm BS 1363-2: 2016+A1:2018 IP66 BS EN 60529:1992+A2:2013 K56483GRY

#### 1 K56483WHI

16A 1 GANG 2P+E

1

UNSWITCHED

1

Fixing holes are for No.8 woodscrews (not supplied). **K56483** is for use with plugs having right angled cable exit.

1

1

## DIMENSIONS

IEC 60884-1:2006 IP66 BS EN 60529:1992+A2:2013

## **MASTERSEAL PLUS PRODUCT SELECTOR**

**KEY OPERATED** CONNECTION **GRID PLUS SWITCHES ENCLOSURES** SWITCHES UNITS 20 AMP 13 AMP 10 AMP 10 AMP 20 AMP IP66 **IP66** IP66 IP66 **IP66** IP56 K56400GRY K56406GRY K56409GRY K56425GRY K56410WHI K56414GRY K56401WHI K56407WHI K56409WHI K56425WHI K56410GRY K56414WHI K56402GRY K56408GRY K56409GRY

## K56425GRY K56425WHI

20A

1 GANG DP KEY OPERATED SWITCH

Fixing holes are for No.8 woodscrews (not supplied). **K56425** Backbox has 4 x 20mm enties, 1 on top, bottom and each side and is supplied with an earth terminal in the back box.

### DIMENSIONS

160 x 117 x 89mm BS EN 60669-1:2018 IP66 BS EN 60529:1992+A2:2013

## K56410GRY K56410WHI

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13A DP 1 GANG SWITCHED, FUSED

Fitted with a 13A fuse link to BS 1362. Fixing holes are for No.8 woodscrews (not supplied). Backbox has 4 x 20mm entries, 1 on each edge, and is supplied with an earth terminal in the backbox.

## DIMENSIONS

160 x 117 x 89mm BS 1363-4:2016+A1:2018 IP66 BS EN 60529:1992+A2:2013

## K56400GRY K56400WHI

1

10A 1 GANG SP ONE-WAY

K56401GRY K56401WHI 10A1GANG SPTWO-WAY

K56402GRY K56402WHI 10A 2 GANG SP ONE-WAY

## 1 K56406GRY

1 K56406WHI 10A1 GANG DP ONE-WAY

### 1 K56407GRY

1 K56407WHI 10A1GANG SPTWO-WAY

- 1 PUSH TO MAKE OR PUSH TO BREAK
- PUSH TO BREAK 'BELL'

## K56408GRY K56408WHI

10A 1 GANG SP TWO-WAY PUSH TO MAKE OR PUSH TO BREAK 'PRESS'

## K56409GRY

1 K56409WHI 20A 1 GANG DP ONE-WAY

1 'PRESS'

1

Fixing holes are for No.8 woodscrews (not supplied).
Each switch is fitted with a neon which can be wired as a locator.
The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back low.

1 DIMENSIONS

95 x 95 x 57mm BS EN 60669-1:2018 IP66 to BS EN 60529:1992+A2:2013

## K56414GRY K56414WHI

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MODULAR GRID PLUS ENCLOSURE SUPPLIED WITH 1 AND 2 GANG INSERTS\*

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Fixing holes are for No.8 woodscrews (not supplied). Backbox has 4 x 20mm entries, 1 on top, bottom and each side. Supplied with an earth terminal and a loop terminal in the backbox.

## DIMENSIONS

95 x 95 x 80mm BS EN 60669-1:2018 IP56 to BS EN 60529:1992+A2:2013

Fixing holes are for No.8 woodscrews (not supplied).
Each switch is fitted with a neon which can be wired as a locator.
The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.
These switches (except push switches) do NOT have to be derated when used with fluorescent or inductive loads.

DIMENSIONS 95 x 95 x 57 mm BS EN 60669-1:2018 IP66 to BS EN 60529:1992+A2:2013 \* NOTE: Installers may select any switch or neon modules, excluding dimmers, from Grid Plus range and configure product to suit installation

## **MASTERSEAL PLUS PRODUCT SELECTOR**

**SWITCH SWITCH** NEON DATA/TELECOM **EURO DATA ENCLOSURES MODULES MODULES ENCLOSURES EURO MODULES** FORMAT

IP66



K56420GRY



K56421WHI



K56422WHI



K56422GRY

10 AMP



56881BLK



56882BLK



56883BLK

1

1

20 AMP



56891BLK



56892BLK 56893BLK



56896BLK

IP66





K56423WHI



K56420GRY K56420WHI

1 GANG FOR USE WITH ANY ONE SWITCH MODULE

K56421GRY K56421WHI

1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NFON MODULE

K56422GRY K56422WHI

2 GANG FOR USE WITH ANY TWO SWITCH MODULES

Fixing holes are for No.8 woodscrews (not supplied).

unot supplied).
Each enclosure is fitted with a neon which should be wired as a locator. The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.

NOTE

These enclosures are for use with the Masterseal Plus" switch and neon modules.

DIMENSIONS

95 x 95 x 57mm IP66 to BS EN 60529:1992+A2:2013

56881BLK 10ASP ONE-WAY

56882BLK 10ASP TWO-WAY

56883BLK 10A DP ONF-WAY

For use only with Masterseal Plus<sup>™</sup> switch enclosures. These switches do NOT have to be derated when used with fluorescent or inductive loads. BS EN 60669-1:2018

56891BLK 20A SP ONE-WAY

10

10

10

56892BLK 20A SP TWO-WAY

> 56893BLK 20A INTERMEDIATE

56896BLK 20A DP ONE-WAY

For use only with Masterseal Plus switch enclosures
These switches do NOT have to be derated when used with fluorescent BS EN 60669-1:2018

56889RED

10

10

10

10

56889RED

200-250V NEON

BS 5733: 2010+A1:2014

K56423GRY K56423WHI

1 GANG DATA ENCLOSURE FOR 2 MODULE EURO OUTLET

2 data modules can be accommodated providing care is used to ensure that the cables are correctly routed through the outlet. Trixing holes are for No. 8
woodscrews (not supplied).
Backbox has 4 x 20mm entries,
1 on each edge. Supplied with an
earth terminal and a loop terminal
in the backbox.

DIMENSIONS IP66 to BS EN 60529:1992+A2:2013 **TELECOM** 





K5820WHI K5820BLK



K5821WHI K5821BLK

K5820WHI K5820BLK TELEPHONE MASTER ONE MODULE

5

5

5

5

K5821WHI K5821BLK TELEPHONE SECONDARY

1

DIMENSIONS 25 x 50mm BS 6312-2

ONE MODULE

## **MASTERSEAL PLUS PRODUCT SELECTOR**

IP66 to BS EN 60529:1992+A2:2013

K56501WHI

PLASTER/TILE FLUSH

PROTECTIVE COVER

MOUNTING FRAME WITH

The Flush adapters for plaster and tile can be used with finish depths

up to 20mm, by using the spacers provided. Allows flush mounted Masterseal Plus™ products to maintain their IP rating.

Can be used with side entry or

**56500** 115 x 115 x 34mm **K56500** 135 x 135 x 34mm **K56501** 135 x 195 x 34mm

back entry enclosures.

DIMENSIONS

2 GANG

Suitable for both RJ11 and RJ12

jacks RJ11 4 wire

RJ12 6 wire

FCC68 EN 41003

DIMENSIONS

25 x 50mm

**EURO DATA** JUNCTION **FLUSH MOUNTING FLUSH MOUNTING** CONDUIT **ACCESSORIES MODULES** BOXES **FRAMES** BEZELS **ENTRIES** 30 AMP DATA IP66 56460WHI MK9933 K56506GRY K5844WHI K56500GRY K56502GRY 56461WHI 56462WHI 56890GRN K56506WHI 56500WHI 56502WHI K5887WHI 56463WHI K56506WHI K56503GRY 56464WHI K56501GRY K5887BLK K5844WHI K56506GRY K56500GRY K56502GRY 56460GRY MK9933 1 M20 EARTH LEAD RJ45 CAT 5e 56460WHI K56506WHI K56500WHI K56502WHI 1 5 ADAPTOR FOR EARTHING ANGLED UNSCREENED **ENTRY BLANK** K56506BLK 1 GANG 1 GANG METAL CONDUIT ONE MODULE PLASTER/TILE FLUSH FLUSH MOUNTING 56461BLK JUNCTION BOX K5887WHI 5 MOUNTING FRAME WITH BEZEL FOR USE WITH 56890GRN 5 WITH FOUR 56461WHI PROTECTIVE COVER 160 X 117 MM PRODUCTS REPLACEMENT K5887BLK 4-WAY TERMINALS PVC CABLE ENTRY FOR USE WITH NEON LOCATOR 56502GRY 1 RJ11/12 TO PROVIDE DIRECT 160 X 117MM PRODUCTS Fixing holes are for No. 8 ONE MODULE 56502WHI ENTRY OF POWER CABLE woodscrews (not supplied). The enclosure has 4 entries, 1 on 56500GRY 1 TO THE LINIT VIA THE 1 GANG 56500WHI FLUSH MOUNTING BOTTOM BOX ENTRY top, bottom and both sides Enhanced Cat 5e performance 1 GANG BEZEL FOR USE WITH TERMINAL CAPACITY 56462BLK 5 Suitable for both 568A and 568B PLASTER/TILE FLUSH 95 X 95MM SWITCHES wiring schemes. Each terminal block accepts four 56462WHI 5 2.5mm<sup>2</sup> cables MOUNTING FRAME WITH K56503GRY 1 ISO/IEC 11801 20MM PLAIN CONDUIT DIMENSIONS PROTECTIVE COVER EN 50173 TIA 568 EN 41003 K56503WHI ENTRY PUSH FIT ADAPTOR 1 FOR LISE WITH BS EN60670-22:2006 and BS EN 60670-1:2005+A1:2013 BETWEEN BACK BOX AND 2 GANG 95 X 95MM SWITCHES FLUSH MOUNTING BEZEL 20MM PLAIN CONDUIT K56501GRY 1

56463BLK

56463WHI

20MM THREADED

ADAPTOR BETWEEN

BACK BOX AND 20MM

THREADED CONDUIT

56464BLK

56464WHI

**BOX COUPLER** 

FOR GANGING ONE

MASTERSEAL PLUS

BOX NEXT TO ANOTHER

CONDUIT ENTRY PUSH FIT

The Flush adapters for brick and cavity walls should be used on vertical surfaces where no

Allows flush mounted Masterseal

Plus<sup>™</sup> products to maintain their

Can only be used with back entry

Supplied with 4 self tapping screws

to fix enclosure to mounting bezel.

Clip-on surround hides mounting

**56502** 145 x 145 x 41mm **K56502** 165 x 165 x 41mm **K56503** 165 x 245 x 41mm

additional finishing, such as plastering is required.

IP rating.

enclosures.

DIMENSIONS

5

5

5

5

## **MASTERSEAL PLUS PRODUCT SELECTOR**

ECHO™ IS AN INNOVATIVE RANGE OF ENTIRELY WIRELESS, BATTERYLESS AND SELF-POWERED SWITCHES

1 AND 2 CHANNEL TRANSMITTER FOR ECHO™



WIRELESS



**BATTERYLESS** 



SELF-POWERED

## IP66



K55400GRY



K55406WHI



K55406GRY

## Wireless

No wires offers the benefits of almost instant switch installation and total location flexibility, resulting in reduced costs and disruption as well as improved speed and ease of installation – invaluable for areas needing to rearrange space periodically, e.g. commercial offices, or those where the channelling of walls isn't permittable or feasible, such as historic buildings or glass partition walls.

## Batteryless

No batteries means low maintenance and low running costs. No need to buy, fit, replace or dispose of batteries, eliminating nuisance and waste for a more sustainable option.

### Self-powered

The new echo™ range works by harvesting tiny amounts of ambient energy which power a switch (Transmitter) to send an RF signal to the Switch Receiver which is connected to the lighting circuit – operating lighting at ranges of up to 30 metres within typical buildings.

## K55400GRY K55400WHI

1 CHANNEL TRANSMITTER FOR FCHO™

## K55406GRY K55406WHI

2 CHANNEL TRANSMITTER FOR ECHO™

### No wires

- Instant switch installation
- Location/relocation flexibility
- Simplifies office 'churn' less disruption

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## No batteries

- Low maintenance
- Low running costs
- Less waste, a more sustainable option
- No nuisance factor

### Flexibility

- No wires, no constraints
  - Suitable for all wall types, including where channeling isn't feasible
- Ideal for commercial, residential and historic buildings

Quality reliability and safety come as standard 2 year guarantee



## UK

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