



**POWERING**  
THE FUTURE 



# MASTERSEAL PLUS™

Tough and robust IP66 ingress protection



THRIVES IN THE  
TOUGHEST CONDITIONS.

# ULTIMATE PROTECTION FOR THE GREAT BRITISH WEATHER

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

Masterseal Plus™ 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 mechanism.

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

Containing a urea moulded anti-bacterial 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)

\*Grid Plus enclosures are IP56



# 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.

\*Grid Plus enclosures are IP56

# IP SOLUTIONS

- COMFORT GRIP CLASP**  
Eases opening and closing
- IP66**  
Protection against any particles of dust and powerful water jets
- REAR DRILL HOLES**  
For easier installation
- FIXED GASKET SPEEDS INSTALLATION**  
and removes risk of error when placing a floating gasket
- AVAILABLE IN GREY AND WHITE**
- HAS ALL THE FEATURES AND BENEFITS OF THE LOGIC PLUS™ RANGE**
- MANUFACTURED FROM POLYCARBONATE**  
For impact protection
- GEL SEAL**  
Durable water and dust tight seal for reliable protection
- SEALED IN USE WITH VIRTUALLY ANY STANDARD 13A PLUG**  
Including moulded on plugs



# INGRESS PROTECTION MASTERSEAL PLUS PRODUCT SELECTOR

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

13 AMP IP66		RCD PROTECTED 13 AMP IP66		13 AMP IP66		16 AMP IP66 (NON UK)	
K56486GRY	K56485GRY	K56201GRY	K56480GRY	K56483GRY			
K56482WHI	K56485WHI	K56231WHI	K56481WHI	K56483WHI			
K56488GRY	K56487GRY	K56233WHI	K56481GRY				

<b>K56486GRY</b> 13A DP 1 GANG SWITCHED	<b>K56485GRY</b> 13A SP 1 GANG WITH ELECTRONIC TIMER MODULE	<b>K56201GRY</b> 1 GANG - DP RCD 30mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT	<b>K56480GRY</b> 13A 1 GANG UNSWITCHED	<b>K56483GRY</b> 16A 1 GANG 2P+E UNSWITCHED (NON UK)	<b>K56481GRY</b> 13A 2 GANG UNSWITCHED
<b>K56482GRY</b> 13A DP 2 GANG SWITCHED	<b>K56487GRY</b> 13A 1 GANG DP KEY OPERATED SOCKET	<b>K56231GRY</b> 2 GANG - DP RCD 30mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT	<b>K56481WHI</b> 13A 2 GANG UNSWITCHED		
<b>K56488GRY</b> 13A DP SWITCHED 2 GANG NEON CLEAR COVER		<b>K56233WHI</b> 2 GANG - DP RCD 30mA RATED TRIPPING CURRENT PASSIVE CONTROL CIRCUIT			
Fixing holes are for No.8 woodscrews (not supplied). <b>K56486</b> has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box. 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	Timer Module meets the requirements of IEC 60730-1 and IEC 60730-2-7 Standards	RCD protected sockets are pulsating d.c. and a.c. fault current sensitive. Fixing holes are for No.8 woodscrews (not supplied). Supplied with an earth terminal in the back box. The Sentrysocket has 5 entries. Suitable for supply voltage of 240V a.c. 50Hz Standard Shutters. DIMENSIONS 157 x 175 x 89mm BS 7288:2016 IP66 BS EN 60529:1992+A2:2013	Fixing holes are for No.8 woodscrews (not supplied). <b>K56480</b> has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box. BS1363-2:2016+A1:2018 IP66 BS EN 60529:1992+A2:2013 <b>K56481</b> 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	Fixing holes are for No.8 woodscrews (not supplied). <b>K56483</b> is for use with plugs having right angled cable exit. DIMENSIONS 157 x 110 x 89mm IEC 60884-1:2006 IP66 BS EN 60529:1992+A2:2013	

Masterseal enclosures are manufactured from polycarbonate. This provides an extremely high level of impact resistance. However some chemicals and synthetic oils can harm polycarbonate. Refer to Technical Hotline for assistance +44 (0) 1268 563720

# INGRESS PROTECTION MASTERSEAL PLUS PRODUCT SELECTOR

## KEY OPERATED SWITCHES CONNECTION UNITS SWITCHES GRID PLUS ENCLOSURES


















20 AMP IP66		13 AMP IP66		10 AMP IP66		10 AMP IP66		20 AMP IP66		IP56	
K56425GRY	K56410WHI	K56400GRY	K56406GRY	K56409GRY	K56414GRY						
K56425WHI	K56410GRY	K56401WHI	K56407WHI	K56409WHI	K56414WHI						
		K56402GRY	K56408GRY	K56409GRY							

<b>K56425GRY</b> 20A 1 GANG DP KEY OPERATED SWITCH	<b>K56410GRY</b> 13A DP 1 GANG SWITCHED, FUSED	<b>K56400GRY</b> 10A 1 GANG SP ONE-WAY	<b>K56406GRY</b> 10A 1 GANG DP ONE-WAY	<b>K56409GRY</b> 20A 1 GANG DP ONE-WAY 'PRESS'	<b>K56414GRY</b> MODULAR GRID PLUS ENCLOSURE SUPPLIED WITH 1 AND 2 GANG INSERTS*
Fixing holes are for No.8 woodscrews (not supplied). <b>K56425</b> Backbox has 4 x 20mm entries, 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	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	<b>K56401GRY</b> 10A 1 GANG SP TWO-WAY	<b>K56407GRY</b> 10A 1 GANG SP TWO-WAY PUSH TO MAKE OR PUSH TO BREAK 'BELL'	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. DIMENSIONS 95 x 95 x 57mm BS EN 60669-1:2018 IP66 to BS EN 60529:1992+A2:2013	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
		<b>K56402GRY</b> 10A 2 GANG SP ONE-WAY	<b>K56408GRY</b> 10A 1 GANG SP TWO-WAY PUSH TO MAKE OR PUSH TO BREAK 'PRESS'	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. DIMENSIONS 95 x 95 x 57mm BS EN 60669-1:2018 IP66 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 57mm  
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 requirements.

# INGRESS PROTECTION MASTERSEAL PLUS PRODUCT SELECTOR

SWITCH ENCLOSURES	SWITCH MODULES	NEON MODULES	DATA/TELECOM ENCLOSURES EURO FORMAT	EURO DATA MODULES
<p><b>IP66</b></p>  <p>K56420GRY</p>  <p>K56421WHI</p>  <p>K56422WHI</p>  <p>K56422GRY</p>	<p>10 AMP</p>  <p>56881BLK</p>  <p>56882BLK</p>  <p>56883BLK</p>	<p>20 AMP</p>  <p>56891BLK</p>  <p>56892BLK</p>  <p>56893BLK</p>  <p>56896BLK</p>	<p><b>IP66</b></p>  <p>K56423GRY</p>  <p>K56423WHI</p>	<p>TELECOM</p>  <p>K5820WHI</p>  <p>K5821WHI</p>  <p>K5820BLK</p>  <p>K5821BLK</p>

<p><b>K56420GRY</b> 1 1 GANG FOR USE WITH ANY ONE SWITCH MODULE</p> <p><b>K56421GRY</b> 1 1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NEON MODULE</p> <p><b>K56421WHI</b> 1 1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NEON MODULE</p> <p><b>K56422GRY</b> 1 2 GANG FOR USE WITH ANY TWO SWITCH MODULES</p> <p><b>K56422WHI</b> 1 2 GANG FOR USE WITH ANY TWO SWITCH MODULES</p> <p>Fixing holes are for No.8 woodscrews (not 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.</p> <p>NOTE These enclosures are for use with the Masterseal Plus™ switch and neon modules.</p> <p>DIMENSIONS 95 x 95 x 57mm IP66 to BS EN 60529:1992+A2:2013</p>	<p><b>56881BLK</b> 10 10A SP ONE-WAY</p> <p><b>56882BLK</b> 10 10A SP TWO-WAY</p> <p><b>56883BLK</b> 10 10A DP ONE-WAY</p> <p>For use only with Masterseal Plus™ switch enclosures. These switches do NOT have to be derated when used with fluorescent or inductive loads. BS EN 60669-1:2018</p>	<p><b>56891BLK</b> 10 20A SP ONE-WAY</p> <p><b>56892BLK</b> 10 20A SP TWO-WAY</p> <p><b>56893BLK</b> 10 20A INTERMEDIATE</p> <p><b>56896BLK</b> 10 20A DP ONE-WAY</p> <p>For use only with Masterseal Plus™ switch enclosures. These switches do NOT have to be derated when used with fluorescent or inductive loads. BS EN 60669-1:2018</p>	<p><b>56889RED</b> 10 200-250V NEON RED</p> <p>BS 5733:2010+A1:2014</p>	<p><b>K56423GRY</b> 1 1 GANG DATA ENCLOSURE FOR 2 MODULE EURO OUTLET</p> <p>2 data modules can be accommodated providing care is used to ensure that the cables are correctly routed through the outlet. Fixing 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.</p> <p>DIMENSIONS 160 x 117 x 89mm IP66 to BS EN 60529:1992+A2:2013</p>	<p><b>K5820WHI</b> 5 TELEPHONE MASTER ONE MODULE</p> <p><b>K5821WHI</b> 5 TELEPHONE SECONDARY ONE MODULE</p> <p>DIMENSIONS 25 x 50mm BS 6312-2</p>
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For the full range of euro modules see the MK Catalogue

# INGRESS PROTECTION MASTERSEAL PLUS PRODUCT SELECTOR

EURO DATA MODULES	JUNCTION BOXES	FLUSH MOUNTING FRAMES	FLUSH MOUNTING BEZELS	CONDUIT ENTRIES	ACCESSORIES
<p>DATA</p>  <p>K5844WHI</p>  <p>K5887WHI</p>  <p>K5887BLK</p>	<p>30 AMP <b>IP66</b></p>  <p>K56506GRY</p>  <p>K56506WHI (COVER ON)</p>  <p>K56506WHI (COVER OFF)</p>	<p><b>IP66</b></p>  <p>K56500GRY</p>  <p>K56500WHI</p>  <p>K56501GRY</p>	<p><b>IP66</b></p>  <p>K56502GRY</p>  <p>K56502WHI</p>  <p>K56503GRY</p>	<p><b>IP66</b></p>  <p>56460WHI</p>  <p>56461WHI</p>  <p>56462WHI</p>  <p>56463WHI</p>  <p>56464WHI</p>	<p><b>IP66</b></p>  <p>MK9933</p>  <p>56890GRN</p>

<p><b>K5844WHI</b> 5 RJ45 CAT 5e ANGLED UNSCREENED ONE MODULE</p> <p><b>K5887WHI</b> 5 RJ11/12 ONE MODULE</p> <p><b>K5887BLK</b> 5 RJ11/12 ONE MODULE</p> <p>K5844 Enhanced Cat 5e performance. Suitable for both 568A and 568B wiring schemes. ISO/IEC 11801 EN 50173 TIA 568 EN 41003</p> <p>K5887 Suitable for both RJ11 and RJ12 jacks RJ11 4 wire RJ12 6 wire FCC68 EN 41003</p> <p>DIMENSIONS 25 x 50mm</p>	<p><b>K56506GRY</b> 1 <b>K56506WHI</b> 1 <b>K56506BLK</b> 1 JUNCTION BOX WITH FOUR 4-WAY TERMINALS</p> <p>Fixing holes are for No. 8 woodscrews (not supplied). The enclosure has 4 entries, 1 on top, bottom and both sides.</p> <p>TERMINAL CAPACITY Each terminal block accepts four 2.5mm<sup>2</sup> cables.</p> <p>DIMENSIONS 95 x 95 x 65mm BS EN 60670-22:2006 and BS EN 60670-1:2005+A1:2013 IP66 to BS EN 60529:1992+A2:2013</p>	<p><b>K56500GRY</b> 1 <b>K56500WHI</b> 1 1 GANG PLASTER/TILE FLUSH MOUNTING FRAME WITH PROTECTIVE COVER FOR USE WITH 160 X 117MM PRODUCTS</p> <p><b>56500GRY</b> 1 <b>56500WHI</b> 1 1 GANG PLASTER/TILE FLUSH MOUNTING FRAME WITH PROTECTIVE COVER FOR USE WITH 95 X 95MM SWITCHES</p> <p><b>K56501GRY</b> 1 <b>K56501WHI</b> 1 2 GANG PLASTER/TILE FLUSH MOUNTING FRAME WITH PROTECTIVE COVER</p> <p>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 back entry enclosures.</p> <p>DIMENSIONS 56500 115 x 115 x 34mm K56500 135 x 135 x 34mm K56501 135 x 195 x 34mm</p>	<p><b>K56502GRY</b> 1 <b>K56502WHI</b> 1 1 GANG FLUSH MOUNTING BEZEL FOR USE WITH 160 X 117MM PRODUCTS</p> <p><b>56502GRY</b> 1 <b>56502WHI</b> 1 1 GANG FLUSH MOUNTING BEZEL FOR USE WITH 95 X 95MM SWITCHES</p> <p><b>K56503GRY</b> 1 <b>K56503WHI</b> 1 2 GANG FLUSH MOUNTING BEZEL</p> <p>The Flush adapters for brick and cavity walls should be used on vertical surfaces where no additional finishing, such as plastering is required. Allows flush mounted Masterseal Plus™ products to maintain their IP rating. Can only be used with back entry enclosures. Supplied with 4 self tapping screws to fix enclosure to mounting bezel. Clip-on surround hides mounting screws.</p> <p>DIMENSIONS 56502 145 x 145 x 41mm K56502 165 x 165 x 41mm K56503 165 x 245 x 41mm</p>	<p><b>56460GRY</b> 5 <b>56460WHI</b> 5 ENTRY BLANK</p> <p><b>56461BLK</b> 5 <b>56461WHI</b> 5 PVC CABLE ENTRY TO PROVIDE DIRECT ENTRY OF POWER CABLE TO THE UNIT VIA THE BOTTOM BOX ENTRY</p> <p><b>56462BLK</b> 5 <b>56462WHI</b> 5 20MM PLAIN CONDUIT ENTRY PUSH FIT ADAPTOR BETWEEN BACK BOX AND 20MM PLAIN CONDUIT</p> <p><b>56463BLK</b> 5 <b>56463WHI</b> 5 20MM THREADED CONDUIT ENTRY PUSH FIT ADAPTOR BETWEEN BACK BOX AND 20MM THREADED CONDUIT</p> <p><b>56464BLK</b> 5 <b>56464WHI</b> 5 BOX COUPLER FOR GANGING ONE MASTERSEAL PLUS™ BOX NEXT TO ANOTHER</p>	<p><b>MK9933</b> 1 M20 EARTH LEAD ADAPTOR FOR EARTHING METAL CONDUIT</p> <p><b>56890GRN</b> 5 REPLACEMENT NEON LOCATOR</p>
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## INGRESS PROTECTION MASTERSEAL PLUS PRODUCT SELECTOR

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

### 1 AND 2 CHANNEL TRANSMITTER FOR ECHO™

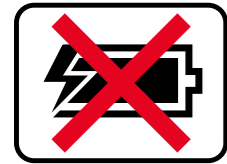
IP66



WIRELESS



K55400GRY



BATTERYLESS



K55406WHI



SELF-POWERED



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 permissible or feasible, such as historic buildings or glass partition walls.

**K55400GRY** 1

**K55400WHI** 1

1 CHANNEL  
TRANSMITTER  
FOR ECHO™

**K55406GRY** 1

**K55406WHI** 1

2 CHANNEL  
TRANSMITTER  
FOR ECHO™

#### 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.

#### No wires

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

#### 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 channelling isn't feasible
- Ideal for commercial, residential and historic buildings

Quality reliability and safety come as standard  
2 year guarantee



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