MK Electric Masterseal Plus™

Thrives in the Toughest Conditions.

Masterseal Plus™

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 seal 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 new enclosures house selected products from the Logic Plus portfolio – thus offering all the benefits of the Logic Plus range within the new Masterseal Plus™ enclosures.

Masterseal Plus™ is perfectly suited to a range of indoor and outdoor applications including factories, laboratories, swimming pools, commercial kitchens, industrial units, warehouses, clean rooms and more.

feature benefits

IP66
Masterseal Plus™ offers total dust ingress protection, and is protected against high-pressure water jets from any direction.

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.
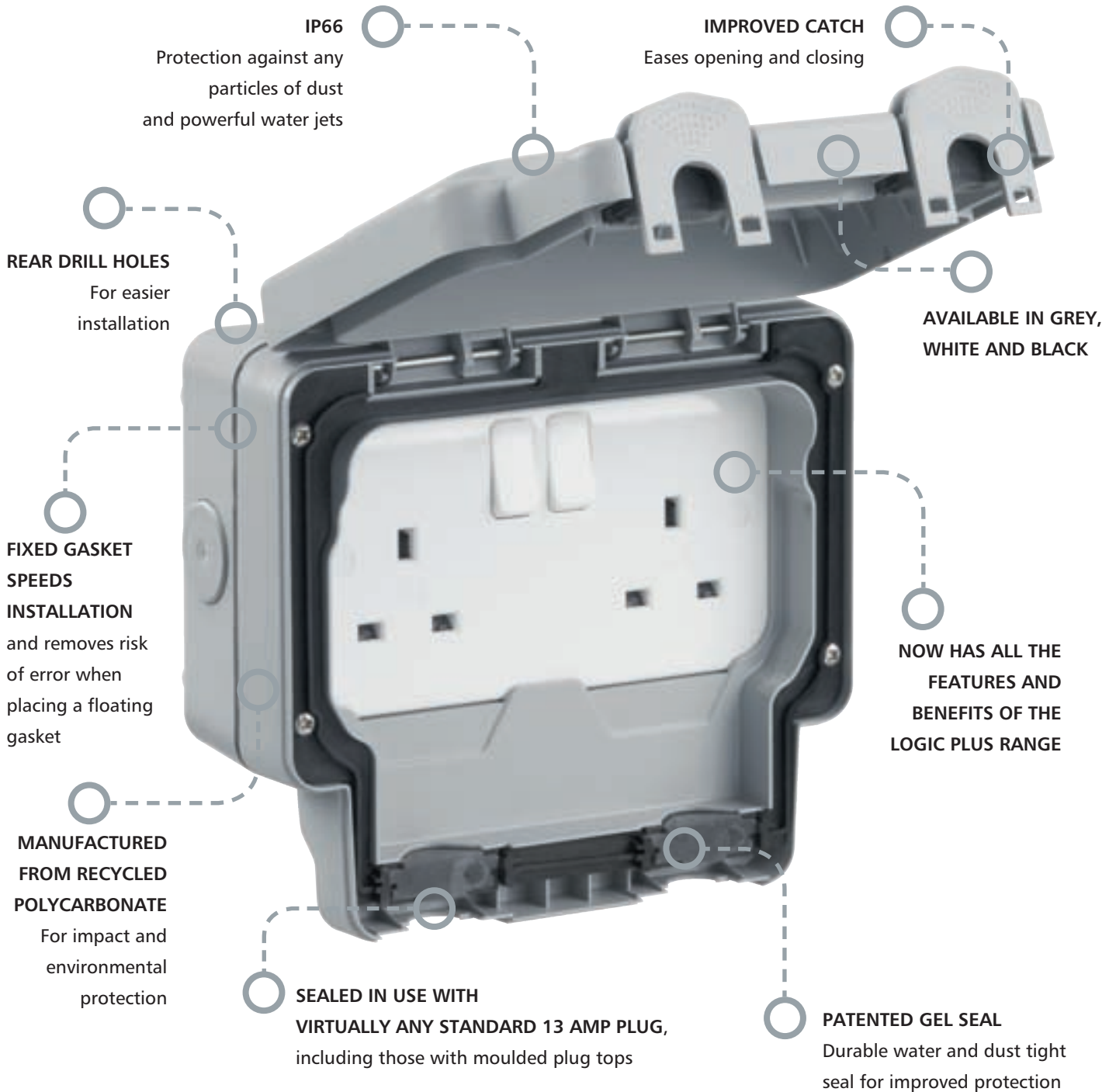
Impact and Environmental Protection
Masterseal Plus™ enclosures are made from recycled polycarbonate, one of the toughest thermoplastics available – incidentally also used in products such as motorcycle helmets. The raw materials are actually waste material collected from other manufacturing plants. This not only diverts material otherwise destined for landfill, but also prevents an equivalent amount of virgin material being produced along with the associated savings in energy, providing a significant reduction in carbon footprints.

Widest Range
The Masterseal Plus™ range extends to over 90 product variants. The new enclosures house any product from the Logic Plus range, and enclosures and switches are available in Grey, White and Black.

20 Year Guarantee
Masterseal Plus™ is guaranteed for an industry-leading 20 years. (10 years for electronic products)

IP66
Protection against any particles of dust and powerful water jets

IMPROVED CATCH
Eases opening and closing

REAR DRILL HOLES
For easier installation

AVAILABLE IN GREY, WHITE AND BLACK

FIXED GASKET SPEEDS INSTALLATION
and removes risk of error when placing a floating gasket

NOW HAS ALL THE FEATURES AND BENEFITS OF THE LOGIC PLUS RANGE

MANUFACTURED FROM RECYCLED POLYCARBONATE
For impact and environmental protection

SEALED IN USE WITH VIRTUALLY ANY STANDARD 13 AMP PLUG,
including those with moulded plug tops

PATENTED GEL SEAL
Durable water and dust tight seal for improved protection

Switch Socket Outlets, Timer Socket Outlets, and Key Operated Socket Outlets

Socket Outlets

13 AMP
IP66

RCD PROTECTED
13 AMP
IP66

13 AMP
IP66

16 AMP
IP66

K56486GRY	K56485GRY	K56301GRY	K56480GRY	K56483GRY
K56482BLK	K56485WHI	K56231BLK	K56481WHI	K56483WHI
K56488GRY	K56487GRY	K56233WHI	K56481BLK	K56483BLK

K56486GRY 1
K56486WHI 1
K56486BLK 1
13 AMP DP
1 GANG
SWITCHED

K56482GRY 1
K56482WHI 1
K56482BLK 1
13 AMP DP
2 GANG
SWITCHED

K56488GRY 1
K56488WHI 1
K56488BLK 1
13 AMP 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 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 Pt. 2: 1995

IP66 BS EN 60529: 1992

K56485GRY 1
K56485WHI 1
K56485BLK 1
13 AMP SP
1 GANG
WITH ELECTRONIC TIMER MODULE

K56487GRY 1
K56487WHI 1
K56487BLK 1
13 AMP 1 GANG DP
KEY OPERATED SOCKET

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

K56301GRY 1
K56301WHI 1
K56301BLK 1
1 GANG DP
30 mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K56231GRY 1
K56231WHI 1
K56231BLK 1
2 GANG SP
30 mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K56233GRY 1
K56233WHI 1
K56233BLK 1
2 GANG SP
30 mA 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).

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: 1990

IP66 BS EN 60529: 1992

K56480GRY 1
K56480WHI 1
K56480BLK 1
13 AMP 1 GANG
UNSWITCHED

K56481GRY 1
K56481WHI 1
K56481BLK 1
13 AMP 2 GANG
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 back box.

BS 1363: Pt2: 1995

IP66 BS EN 60529: 1992

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 Pt.2: 1995

IP66 BS EN 60529: 1992

K56483GRY 1
K56483WHI 1
K56483BLK 1
16 AMP
1 GANG
2P+E
UNSWITCHED

(NON UK)

Fixing holes are for No.8 woodscrews (not supplied).
K56483 is for use with plugs having right angled cable exit.
DIMENSIONS:
157 x 110 x 89mm
IEC60884-1: 2006
IP66 BS EN 60529: 1992

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

Key Operated Switches

Connection Units

Switches

Grid Plus Enclosures

Key Operated Switches	Connection Units	Switches	Switches		Grid Plus Enclosures
20 AMP **IP66**	13 AMP **IP66**	10 AMP **IP66**	10 AMP **IP66**	20 AMP **IP66**	**IP56**

K56425GRY

K56425WHI

K56425BLK

K56410WHI

K56410BLK

K56410GRY

K56400GRY

K56401WHI

K56402BLK

K56406GRY

K56407BLK

K56408WHI

K56409GRY

K56409WHI

K56409BLK

K56414GRY

K56414WHI

K56414BLK

K56425GRY `1`
K56425WHI `1`
K56425BLK `1`
20 AMP
1 GANG
DP KEY OPERATED SWITCH

K56410GRY `1`
K56410WHI `1`
K56410BLK `1`
13 AMP DP
1 GANG
SWITCHED, FUSED

K56400GRY `1`
K56400WHI `1`
K56400BLK `1`
10 AMP 1 GANG
SP ONE-WAY

K56401GRY `1`
K56401WHI `1`
K56401BLK `1`
10 AMP 1 GANG
SP TWO-WAY

K56402GRY `1`
K56402WHI `1`
K56402BLK `1`
10 AMP 2 GANG
SP ONE-WAY

K56406GRY `1`
K56406WHI `1`
K56406BLK `1`
10 AMP 1 GANG
DP ONE-WAY

K56407GRY `1`
K56407WHI `1`
K56407BLK `1`
10 AMP 1 GANG
SP TWO-WAY
PUSH TO MAKE OR
PUSH TO BREAK
'BELL'

K56408GRY `1`
K56408WHI `1`
K56408BLK `1`
10 AMP 1 GANG
SP TWO-WAY
PUSH TO MAKE OR
PUSH TO BREAK
'PRESS'

K56409GRY `1`
K56409WHI `1`
K56409BLK `1`
20 AMP 1 GANG
DP ONE-WAY
'PRESS'

K56414GRY `1`
K56414WHI `1`
K56414BLK `1`
MODULAR GRID PLUS
ENCLOSURE SUPPLIED WITH
1 AND 2 GANG INSERTS*

Fitted with a 13A fuse link to
BS 1362.
Fixing holes are for No.8
woodscrews (not supplied)
K56425 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:
1 gang: 157 x 110 x 89mm
BS EN 60669-1: 1999
IP66 BS EN 60529: 1992

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:
157 x 110 x 89mm
BS 1363 Pt.4: 1995
IP66 BS EN 60529: 1992

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: 1999
IP66 to BS EN 60529: 1992

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: 1999
IP66 to BS EN 60529: 1992

* NOTE: Installers may select
any switch or neon modules,
excluding dimmers, from Grid
Plus range and configure
product to suit installation
requirements.

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: 1999
IP56 to BS EN 60529: 1992

Masterseal Plus™

Switch Enclosures	Switch Modules		Neon Modules	Data/Telecom Enclosures Euro Format	Euro Data Modules
IP66	**10 AMP**	**20 AMP**		**IP66**	**TELECOM**

K56420GRY

K56421WHI

K56422BLK
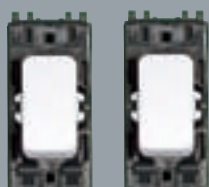

K56422GRY

56881 BLK

56882 BLK

56883 BLK

56891 BLK

56892 BLK   56893 BLK

56896 BLK

56889 RED

K56423GRY

K56423WHI

K56423BLK

K5820WHI   K5820BLK

K5821WHI   K5821BLK

K56420GRY `1`
K56420WHI `1`
K56420BLK `1`
1 GANG FOR USE WITH ANY
ONE SWITCH MODULE

K56421GRY `1`
K56421WHI `1`
K56421BLK `1`
1 GANG WITH NEON
FOR USE WITH ANY SWITCH
AND ANY NEON MODULE

K56422GRY `1`
K56422WHI `1`
K56422BLK `1`
2 GANG FOR USE WITH ANY
TWO SWITCH MODULES

56881 BLK `10`
10 AMP SP
ONE-WAY
56882 BLK `10`
10 AMP SP
TWO-WAY
56883 BLK `10`
10 AMP DP
ONE-WAY

56891 BLK `10`
20 AMP SP
ONE-WAY
56892 BLK `10`
20 AMP SP
TWO-WAY
56893 BLK `10`
20 AMP
INTERMEDIATE
56896 BLK `10`
20 AMP DP
ONE-WAY

56889 RED `10`
200-250V NEON
RED

K56423GRY `1`
K56423WHI `1`
K56423BLK `1`
1 GANG
DATA ENCLOSURE
FOR 2 MODULE EURO
OUTLET
HALF MODULE BLANKS SOLD
SEPARATELY

K5820 WHI `5`
K5820 BLK `5`
BT MASTER
ONE MODULE

K5821 WHI `5`
K5821 BLK `5`
BT SECONDARY
ONE MODULE

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.

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

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: 1999

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: 1999

BS 5733: 1995

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.

DIMENSIONS:
157 x 110 x 89mm

IP66 to BS EN 60529: 1992

DIMENSIONS:
25 x 50mm

BS 6312 Pt.2

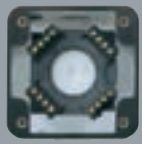| Euro Data Modules	Junction Boxes	Flush Mounting Frames	Flush Mounting Bezels	Conduit Entries	Accessories
DATA	30 AMP IP66				

K5844WHI

K56506GRY

K56500GRY

K56502GRY

56460 WHI

56837

K5887WHI   **K5887BLK**

K56506WHI (COVER ON)

56500 WHI

56502 WHI

56461WHI

56462 WHI

9933

K56506WHI (COVER OFF)

K56501GRY

K56503GRY

56463 WHI

56890 GRN

56464 WHI
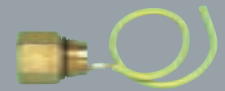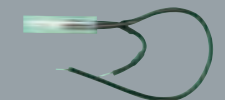
K9944

K5844WHI [5]
RJ45 CAT 5e
ANGLED UNSCREENED
ONE MODULE

K5887WHI [5]
K5887BLK [5]
RJ11/12
ONE MODULE

K5844
Enhanced Cat 5e performance.
Suitable for both 568A and
568B wiring schemes.
TIA/EIA TSB40A: Cat 5e
TIA/EIA 568-A: Cat 5e
ISO/IEC11801: Cat 5e

K5887
Suitable for both RJ11 and
RJ12 jacks
RJ11: 4 wire
RJ12: 6 wire
FCC68
DIMENSIONS:
25 x 50mm

K56506GRY [1]
K56506WHI [1]
K56506BLK [1]
JUNCTION BOX
WITH FOUR
4-WAY TERMINALS

Fixing holes are for No. 8
woodscrews (not supplied).
The enclosure has 4 entries, 1
on top, bottom and both sides.
TERMINAL CAPACITY:
Each terminal block accepts four
2.5mm² cables.
DIMENSIONS:
95 x 95 x 65mm
BS 6220: 1983
IP66 to BS EN 60529

K56500GRY [1]
K56500WHI [1]
1 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER
FOR USE WITH 157 X
110MM PRODUCTS

56500 GRY [1]
56500 WHI [1]
1 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER
FOR USE WITH 95 X 95MM
PRODUCTS

K56501GRY [1]
K56501WHI [1]
2 GANG
PLASTER/TILE
FLUSH MOUNTING FRAME
WITH PROTECTIVE COVER

The Flush adaptors 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.
DIMENSIONS:
56500: 115 x 115 x 34mm
K56500: 135 X 135 X 34mm
K56501: 135 X 195 X 34mm

K56502GRY [1]
K56502WHI [1]
1 GANG
FLUSH MOUNTING BEZEL
FOR USE WITH 157 X
110MM PRODUCTS

56502 GRY [1]
56502 WHI [1]
1 GANG
FLUSH MOUNTING BEZEL
FOR USE WITH 95 X 95MM
PRODUCTS

K56503GRY [1]
K56503WHI [1]
2 GANG
FLUSH MOUNTING BEZEL

The Flush adaptors 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.
DIMENSIONS:
56502: 145 x 145 x 41mm
K56502: 165 x 165 x 41mm
K56503: 165 x 245 x 41mm

56460 GRY [5]
56460 WHI [5]
ENTRY BLANK

56461 BLK [5]
56461 WHI [5]
PVC CABLE ENTRY
TO PROVIDE DIRECT
ENTRY OF POWER CABLE
TO THE UNIT VIA THE
BOTTOM BOX ENTRY

56462 BLK [5]
56462 WHI [5]
20MM PLAIN CONDUIT
ENTRY PUSH FIT ADAPTOR
BETWEEN BACK BOX AND
20MM PLAIN CONDUIT

56463 BLK [5]
56463 WHI [5]
20MM THREADED
CONDUIT ENTRY PUSH FIT
ADAPTOR BETWEEN
BACK BOX AND 20MM
THREADED CONDUIT

56464 GRY [5]
56464 WHI [5]
BOX COUPLER
FOR GANGING ONE
MASTERSEAL OR
MASTERSEAL PLUS™
BOX NEXT TO ANOTHER

56837 BLK [5]
REPLACEMENT GEL SEAL
FOR SOCKETS

9933 [1]
M20 EARTH LEAD
ADAPTOR FOR EARTHING
METAL CONDUIT

56890 GRN [5]
REPLACEMENT
NEON LOCATOR

K9944 [5]
FLANGE FOR
PANEL MOUNTING
1 GANG 95 X 95MM
MODULES

Masterseal Plus™

Echo™ is an innovative range of entirely wireless, batteryless and self-powered switches, only available from MK Electric.

1G/2G Switch Transmitter For Echo

Enclosure For Small Load Receiver For Echo

Switch Receivers For Echo

Accessories For Echo

WIRELESS

BATTERYLESS

SELF-POWERED

K55400GRY

K55406WHI

K55406BLK

K55000GRY

K5418R

K5420R

K5414R

K5417R

K5419R

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
K55400BLK
1G SWITCH TRANSMITTER FOR ECHO

K55406GRY
K55406WHI
K55406BLK
2G SWITCH TRANSMITTER FOR ECHO

K55000GRY
K55000WHI
K55000BLK

K5418R
SMALL LOAD SWITCH RECEIVER 400 WATT

K5402R
10AX SWITCH RECEIVER/REPEATER

K5414R
REPEATER

K5417R
REMOTE CONTROL

K5419R
FIELD STRENGTH INDICATOR

KPAD
ADHESIVE PAD (ASPECT AND LOGIC PLUS)

- **No wires**
  - Instant switch installation
  - Location/relocation flexibility
  - Simplifies office 'churn' – less disruption
- **No batteries**
  - Low maintentance
  - 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**
- **10 year guarantee**

MK ELECTRIC

MK® Friedland