WHITE
www.mkelectric.co.uk


Logic Plus wiring devices from MK Electric have been designed to perfectly complement modern interiors, offering an unobtrusive and sophisticated look totally in keeping with today's design. Technically, they exceed British Standard requirements with patented features that make these products the most advanced and safest available.

They are easy to install and available through our extensive distributor network.

The range is backed by MK's quality and reliability and provides the largest selection of wiring devices in any single range.

## Modern styling

Smoothly formed front plates, rounded rocker switches and chamfered radius corners
Total safety
Unique 3-pin operated "child resistant shutter system", which is designed to inhibit access to the electricity supply, unless all 3 pins of a standard British 13 Amp plug are in position

## Unrivaled quality and reliability

Products are made from the very best materials and are $100 \%$ tested

## Quick and easy to install

In-line terminals and backed out, captive screws feature

## Outstanding range

Large selection of wiring devices providing a total solution

## 20 year guarantee

Gives total peace of mind to you and your customers (10 years Electronic Devices)

CONTOURED TO
BLEND INTO THE
WALL


UNIQUE 3-PIN "CHILD RESISTANT SHUTTER SYSTEM" Designed to inhibit access to the electricity supply, unless all 3 pins of a standard British 13 Amp plug are in position (see note on opposite page for related products)

TERMINAL SCREWS
Backed out and held captive within the terminal housing

IN-LINE TERMINALS
Allow wire to be cut stripped to the same length
FUNNEL ENTRANCE TO TERMINALS
Terminals are upwards facing to make installation easier

Outboard rockers on switchsockets reduce the likelihood of accidentally
switching appliances on or off


Combined TV, FM, satellite and telephone sockets save on installation time and space

## DUAL EARTH TERMINALS

Available for installations that require high integrity earthing

## DOUBLE POLE SWITCHING

Switches both live and neutral (neutral makes first, breaks last) means added safety for the user

OPTIONAL NEON INDICATOR SHOWS WHEN SWITCH IS ON

3 mm SWITCH CONTACT GAP

## Specification

Notes


Frontplates are chamfered at the top with radiused corners
The unique 3 pin operated safety shutter makes Logic Plus sockets the safest available

Terminals are grouped in-line with terminal screws backed out ready for easy wiring. Clear marking on dark background makes the terminals easily identifiable

The 3 gang
switchsocket provides extra outlet options in the home and office
Many sockets are fitted with two earth terminals to provide high integrity earthing

## Switchsocket

Outlets

13 AMP
FLUSH


## K2757 WHI

10
1 GANG DP WITH DUAL EARTH TERMINALS

## K2757D1RED

1 GANG DP
WITH RED FRONTPLATE, RED ROCKER AND DUAL EARTH TERMINALS

## K2747 WHI

10
2 GANG DP
1 GANG DP
WITH NEON AND DUAL EARTH TERMINALS

## K2657D1RED

1 GANG DP
WITH RED FRONTPLATE, RED ROCKER,
NEON AND DUAL EARTH TERMINALS

## K2647 WHI

5
2 GANG DP
WITH NEONS

MOUNTING BOXES
FLUSH: 25 mm
1 GANG: 861 ZIC
2 GANG: 862 ZIC 3 GANG: K863
FLUSH: 35 mm (for extra wiring space) extra wiring space
1 GANG: 866 ZIC
2 GANG: 866 ZII
SURFACE
1 GANG: K2140 WHI
2 GANG: K2142 WH
3 GANG: K2153 WHI

DIMENSIONS: 1 gang: $86 \times 86 \mathrm{~mm}$ 2 gang: $86 \times 146 \mathrm{~mm}$ 3 gang: $86 \times 206 \mathrm{~mm}$ FIXING CENTRES:
1 gang: 60.3 mm 2 gang: 120.6 mm 3 gang: 180.9 mm BS. 1363 Pt.2: 1995

## K2757D1WHI

10
1 GANG DP
WITH RED ROCKER
AND DUAL EARTH TERMINALS

## K2747D1WHI

5
2 GANG DP
WITH RED ROCKERS
K2747D1RED
5
2 GANG DP
WITH RED FRONTPLATE AND
RED ROCKERS

## K2737 WHI

3 GANG DP
WITH DUAL EARTH TERMINALS

High integrity earthing
K2757, K2657 and K2737
are fitted with two earth terminals to provide a double earth facility for use when installations are to comply with Section 607 of BS.7671, IEE Wiring
Regulations
K2737
13 amp fuse protects all three outlets

## Switchsocket <br> Outlets

WITH OUTBOARD

ROCKERS
13 AMP
FLUSH

RCD PROTECTED
13 AMP
FLUSH

FILTERED
13 AMP
FLUSH

NON STANDARD
13 AMP
FLUSH


K2746 WHI
2 GANG DP
WITH OUTBOARD ROCKERS
AND DUAL EARTH TERMINALS

## K2746CEWHI

2 GANG DP
WITH OUTBOARD ROCKERS
AND 'CLEAN EARTH' FACILITY

## K2746D1 WHI

2 GANG DP
WITH RED OUTBOARD ROCKERS
AND DUAL EARTH TERMINALS

| 10 | K6211 WHI <br> 2 GANG <br> 10 mA RATED TRIPPING CURRENT <br> ACTIVE CONTROL CIRCUIT |
| :---: | :---: |
| 5 | K6231 WHI <br> 2 GANG <br> 30mA RATED TRIPPING CURRENT <br> ACTIVE CONTROL CIRCUIT |
| 5 | K6233 WHI <br> 2 GANG <br> 30mA RATED TRIPPING CURRENT <br> PASSIVE CONTROL CIRCUIT |

## K2746D1RED

2 GANG DP
WITH RED FRONTPLATE,
RED OUTBOARD ROCKERS AND DUAL EARTH TERMINALS
MOUNTING BOXES
FLUSH: 862 ZIC ( 25 mm )
886 ZIC ( 35 mm for extra wiring space) SUPACE. K2142 WHI

K2746 and K2746 D1 are fitted with two earth terminals to provide double earth facility for use when installations are to comply with Section 607 of BS.7671, IEE Wiring Regulations
K2746 CE is provided with facility for 'clean earth' connection
DIMENSIONS: $86 \times 146 \mathrm{~mm}$ FIXING CENTRES: 120.6 mm
BS. 1363 Pt.2: 1995 (K2746) and where relevant for K2746 CE

2 GAN
10 mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT

31 WHI

30mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT

2 GANG
PASSIVK6100 WHI
K1816 WHI

2 GANG DP SPIKE
10 mA RATED TRIPPING CURRENT 10mA RATED TRIPPING CURRE
ACTIVE CONTROL CIRCUIT

K1816KOWHI

2 GANG DP
SPIKE WITH
TAMPERPROOF SCREW
K1826 WHI
2 GANG DP
SPIKE AND RFI

## K1826KOWHI

2 GANG DP
SPIKE AND RFI WITH
TAMPERPROOF SCREW

## K1800 WHI

REPLACEMENT FILTER CASSETTE
MOUNTING BOXES
FLUSH: 886 ZIC
SURFACE: K2172 WH
K1816 provides filtering to reduce
voltage spikes only.
K1826 provides two way filtering to reduce voltage spikes and radio frequency interference on the mains. Protected by thermal cut-out.

10

K1246 WHI
5

## K1257D1WHI

1 GANG DP WITH RED ROCKER

2 GANG DP WITH RED ROCKERS

## K1246D1RED 5

2 GANG DP WITH RED
FRONTPLATE AND RED ROCKERS

MOUNTING BOXES
FLUSH 25 mm
1 GANG: 861 ZIC
2 GANG: 862 ZIC
FLUSH 35 mm (for extra wiring space)
1 GANG: 866 ZIC
2 GANG: 886 ZIC
SURFACE
1 GANG: K2140 WH
2 GANG: K2142 WHI
These products are provided with acilities for 'clean earth' connection and are suitable for non standard plugs with 'T' shaped earth pin. DIMENSIONS: 1 gang: $86 \times 86 \mathrm{~mm}$ 2 gang: $86 \times 146 \mathrm{~mm}$
FIXING CENTRES: 1 gang: 60.3 mm
2 gang: 120.6mm
BS. 1363 Pt.2: 1995 where relevant

## Switchsocket

Outlets

ROUND PIN
FLUSH

Socket
Outlets

13 AMP
FLUSH

ROUND PIN
FLUSH

16 AMP
125/250V
UNIVERSAL
FLUSH


K2493 WHI

K2891 WHI
1 GANG
5 AMP DP SHUTTERED

## K2893 WHI

1 GANG
15 AMP DP SHUTTERED

## K2493 WHI

1 GANG
15 AMP DP SHUTTERED
WITH NEON

10

## 10

| K780 WHI | $\mathbf{1 0}$ | $\mathbf{K 7 7 0} \mathbf{~ W H I}$ |
| :--- | :---: | :--- |
| 1 GANG |  | GANG |
| K781 WHI | $\mathbf{5}$ | 2 AMP SHUTTERED |
| 2 GANG |  | $\mathbf{K 7 7 1} \mathbf{~ W H I}$ |
| WITH DUAL EARTH TERMINALS |  | 1 GANG |
|  |  | 5 AMP SHUTTERED |

10

## K772 WHI




1 GANG SHUTTERED
(NON UK)

K2251 WHI
1 GANG SHUTTERED (NON UK)
K2252 WHI
5
2 GANG
10
1 GANG
15 AMP SHUTTERED

AMOUNTING BOXES
FLUSH:
861 ZIC ( 25 mm )
866 ZIC ( 35 mm for extra wiring space)
SURFACE:
K2140 WHI
DIMENSIONS:
$86 \times 86 m m$
FIXING CENTRES:
60.3 mm

BS.546: 1950

MOUNTING BOXES
FLUSH 25 mm
1 GANG: 861 ZIC
2 GANG: 862 ZIC
FLUSH 35 mm (for extra wiring space)
1 GANG: 866 ZIC
1 GANG: 866 ZIC
2 GANG: 886 ZIC
SURFACE
1 GANG: K2140 WHI
2 GANG: K2142 WHI
K781 is fitted with two earth
terminals to provide a double earth facility for use when installations are to comply with Section 607 of BS.7671, IEE Wiring Regulations DIMENSIONS: 1 gang: $86 \times 86 \mathrm{~mm}$ 2 gang: $86 \times 146 \mathrm{~mm}$
FIXING CENTRES: 1 gang: 60.3 mm
2 gang: 120.6 mm
BS.1363: Pt 2: 1995

MOUNTING BOXES
FLUSH:
861 ZIC ( 25 mm )
866 ZIC ( 35 mm for extra wiring space)
SURFACE:
K2140 WHI
DIMENSIONS:
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS.546: 1950

MOUNTING BOXES
FLUSH 25 mm
1 GANG: 861 ZIC
2 GANG: 862 ZIC
FLUSH 35 mm (for extra wiring space)
1 GANG: 866 ZIC
2 GANG: 886 ZIC
SURFACE
1 GANG: K2140 WHI
2 GANG: K2142 WHI
DIMENSIONS:
1 gang: $86 \times 86 \mathrm{~mm}$
2 gang: $86 \times 146 \mathrm{~mm}$
FIXING CENTRES:
1 gang: 60.3 mm
2 gang: 120.6 mm
SSA: 444: 1985

MOUNTING BOXES
FLUSH:
861 ZIC
SURFACE:
K2140 WHI

The universal socket does not incorporate an earth contact.
Therefore, appliances needing earth connection (class 1 equipment) must NOT be used with this socket. The socket is intended for use with BS, USA and CEE standard plugs.

DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm
BS.5733: 1995

| Socket | Three Pole | Shaver | Shaver |
| :--- | :--- | :--- | :--- |
| Outlets | Fan Isolator | Socket Outlet | Supply Units |
|  |  |  |  |
| 16 AMP |  |  |  |
| $2 P+$ E | 10 AMP | FLUSH | FLUSH |
| FLUSH | FLUSH |  |  |



K4150 WHI
1 GANG
16 AMP 250V
SHUTTERED
(NON UK)

## K4152 WHI

2 GANG
16 AMP 250V
SHUTTERED
(NON UK)

MOUNTING BOXES
FLUSH: ( 35 mm )
1 GANG: 866 ZIC
2 GANG: 886 ZIC
SURFACE:
1 GANG: K2031 WH
2 GANG: K2172 WH
These products are not suitable for installation in 25 mm boxes DIMENSIONS:
1 gang: $86 \times 86 \mathrm{~mm}$
2 gang: $86 \times 146 \mathrm{~mm}$
FIXING CENTRES:
1 gang: 60.3 mm
2 gang: 120.6 mm
IEC 60884-1: 2002

## 10

K4857 WHI
WITH SWITCHLOCK AND PADLOCK

## K4859 WHI

WITHOUT SWITCHLOCK

## K4858

SWITCHLOCK
FOR FAN ISOLATOR
K2000
PADLOCK

MOUNTING BOXES
FLUSH:
3995 ZIC
SURFACE:
K2160 WHI
For local isolation of fans with or without timers for repair or routine maintenance.
DIMENSIONS:
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS EN. 60947-3: 1992

MOUNTING BOXES
FLUSH: 861 ZIC
SURFACE: K2140 WHI

Must not be installed in a bathroom or shower room
Designed for wiring onto lighting circuits
DIMENSIONS: $86 \times 86 \mathrm{~mm}$ FIXING CENTRES: 60.3 mm BS.4573: 1970

K701 WHI
SHAVER SUPPLY UNIT
dUAL VOLTAGE.
115/230V OUTPUT
(220/240V 50/60Hz INPUT)

## K706 WHI

SHAVER SUPPLY UNIT
dual voltage.
115/230V OUTPUT
(120/130V 50/60Hz INPUT)
(NON UK)

MOUNTING BOXES
FLUSH: 878 ZIC
SURFACE: K2172 WH
This design incorporates a double wound isolating transformer rated 20 VA at 230 or 115 volts it meets BS EN 61558 making it safe for use in bathrooms. Insertion of a shaver plug automatically switches on by energising the primary side of the isolating transformer - removal automatically switches off. The transformer is protected against overload by an automatic solid overload by an automatic soli
state overload device with automatic resetting.
DIMENSIONS: $146 \times 86 \mathrm{~mm}$ FIXING CENTRES: 120.6 mm .
BS EN 61558-2-5: 1998


A wide selection of other finishes are also available.

See the Decorative products section and Clearshave.


## Features and Benefits



An optional
tamperproof screw on fuse carriers is particularly useful for appliances in public areas
A screwless cord grip automatically clamps and securely holds the cable in connection units with base and front flex outlets

Switched units are double pole with neutral pole contacts 'making' before and 'breaking' after live contacts. Rockers with built-in indicators are available

When servicing or repairing appliances, fuse carriers remain attached to the frontplate when opened and can be padlocked for safety

In-line terminals, backed out captive terminal screws and clear marking make wiring up easy

## Connection

## Units

SWITCHED
FLUSH

UNSWITCHED
FLUSH


| K330 WHI 10 | K1040 WHI 10 | K337 WHI 10 |
| :---: | :---: | :---: |
| DP WITH FLEX OUTLET | DP | WITH FLEX OUTLET |
| IN BASE AND THICK FRONTPLATE | K1040KOWHI 10 | IN BASE AND THICK FRONTPLATE |
| K370 WHI 10 | DP WITH TAMPERPROOF SCREW | K337KOWHI <br> WITH FLEX OUTLET IN BASE, THICK FRONTPLATE AND TAMPERPROOF SCREW FOR FUSE CARRIER |
| DP WITH NEON, FLEX OUTLET IN BASE AND THICK FRONTPLATE | K1060 WHI <br> DP WITH NEON |  |
| K370D1WHI <br> DP WITH NEON, FIEX OUTIET | K1060D1WHI <br> DP WITH NEON AND RED ROCKER |  |
| IN BASE, THICK FRONTPLATE AND RED ROCKER | K1070 WHI <br> DP WITH FRONT FLEX OUTLET | K377 WHI $10$ <br> WITH FLEX OUTLET |
| K1030 WHI 10 DP WITH FRONT FLEX OUTLET | AND NEON <br> K1070D1WHI <br> DP WITH FRONT FLEX OUTLET, NEON AND RED ROCKER | IN BASE, NEON AND THICK FRONTPLATE |
| MOUNTING BOXES | K2000 <br> FUSE CARRIER PADLOCK | MOUNTING BOXES |
| K1030, K1040, K1060 and K1070 <br> FLUSH: 866 ZIC <br> SURFACE: K2031 WH |  | FLUSH: <br> 866 ZIC ( 35 mm ) |
| 330 and 370 | K1030 and K1070 front flex outlet products cannot be mounted directly onto MI Cable Box K2131. A mounting frame K2134 will have to be used between the product and the box. | SURFACE: <br> K2140 WHI |
| SURFACE: K2140 WHI |  | All units are fitted with a 13 amp fuse-link to BS.1362. See page 59 for spare fuse-links. |
| fuse-link to BS.1362. See page 59 for spare fuse-links. | Base entry frontplates are 12.5 mm deep | Base entry frontplates are 12.5 mm deep |
| The fuse carrier can be locked in the open position by removing the | DIMENSIONS: $86 \times 86 \mathrm{~mm}$ | The fuse carrier can be locked in the open position by removing the fuse and using K2000 fuse carrier padlock |
|  | FIXING CENTRES: 60.3 mm | padlock <br> DIMENSIONS: $86 \times 86 \mathrm{~mm}$ |
| Base entry frontplates are 12.5 mm deep | BS. 1363 Pt.4: 1995 | FIXING CENTRES: 60.3 mm |

Dual Switch

20 AMP
FLUSH

20 AMP
FLUSH

## DP Switches

FLUSH
FLUSH
32 AMP

45 AMP

MOULDED
FLUSH

45 AMP
METAL

-

| K5208 WHI | 10 |
| :--- | :--- |
| K5207 WHI | 10 |

K5207 WHI
WITH NEON

## K5403 WHI 10

WITH FLEX OUTLET IN BASE

## K5423 WHI

WITH FLEX OUTLET IN BASE AND NEON

## K5423WHWHI

10
WITH FLEX OUTLET IN BASE,
NEON AND MARKED
'WATER HEATER'.

## K5423D1WHI

10
WITH FLEX OUTLET IN BASE, NEON AND RED ROCKER

FOR CONTROLLING DUAL IMMERSION HEATERS

MOUNTING BOXES
FLUSH:
866 ZIC
SURFACE:
K2140 WHI
Only mounting boxes with an earth terminal should be used.
These products are marked 'on' and 'off' against the one-way DP switch and 'sink' and 'bath' against the two-way SP switch.
DIMENSIONS: $86 \times 86 \mathrm{~mm}$ FIXING CENTRES: 60.3 mm BS. 3676 Pt.1: 1989

MOUNTING BOXES
FLUSH:
866 ZiC
SURFACE:
K2140 WHI
K2031 WH
(for extra wiring space)
Base entry frontplates are 12.5 mm deep.

All switches are complete with earth terminals.
Not recommended for switching large banks of PCs
DIMENSIONS:
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS EN 60669-1: 2000

## MOUNTING BOXES

FLUSH:
866 ZIC ( $6 \mathrm{~mm}^{2}$ conductors) 877 ZIC ( $10 \mathrm{~mm}^{2}$ conductors)
SURFACE:
K2140 WHI ( $6 \mathrm{~mm}^{2}$ conductors) K2031 WHI ( $10 \mathrm{~mm}^{2}$ conductors)
Supplied with 8 self-adhesive plastic identification labels marked hob, fan, oven, water heater, shower, air conditioner, cooker and washing machine.
Not recommended for switching large banks of PCs
DIMENSIONS: $86 \times 86 \mathrm{~mm}$ FIXING CENTRES: 60.3 mm BS EN 60669-1: 2000

MOUNTING BOXES
FLUSH:
886 ZIC ( $6 \mathrm{~mm}^{2}$ conductors) 878 ZIC ( $10 \mathrm{~mm}^{2}$ conductors) SURFACE: K2172 WHI
K5205 WHI and K5215 WH Supplied with 8 self-adhesive plastic identification labels marked hob, fan, oven, water heater, shower, air conditioner, cooker and washing machine.
Not recommended for switching large banks of PCs
DIMENSIONS: $86 \times 146 \mathrm{~mm}$ FIXING CENTRES: 120.6 mm BS. 3676 Pt.1: 1989

## K5230

Supplied with mounting box. Earth terminal fitted on base of box.
Not recommended for switching large banks of PCs
DIMENSIONS: $150 \times 89 \times 50 \mathrm{~mm}$ KNOCKOUTS: $8 \times 20 \mathrm{~mm}$
TERMINAL CAPACITY:
$16 \mathrm{~mm}^{2}$ conductors
BS. 3676 Pt. 1: 1989
K5012
Not supplied with mounting box.
FLUSH: 5120 ALM
Supplied with earth terminals
Not recommended for switching large banks of PCs DIMENSIONS: $178 \times 165 \mathrm{~mm}$ BS. 3676 Pt.1: 1989
Cooker
Connection
Unit


K5045 WHI

## K5060 WHI

45 AMP
DP MAIN SWITCH
AND 13 AMP
SWITCHSOCKET OUTLET

## K5061 WHI

45 AMP
DP MAIN SWITCH
AND 13 AMP
SWITCHSOCKET OUTLET WITH NEONS

## MOUNTING BOX

FLUSH:
Supplied complete with terminal block, each terminal of which will accommodate up to two $10 \mathrm{~mm}^{2}$ conductors.
Moulded cover plate, cable clamp included.

DIMENSIONS:
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS.5733: 1995

MOUNTING BOXES
FLUSH:
886 ZIC
(Up to $6 \mathrm{~mm}^{2}$ conductor) 878 ZIC:
(Up to $10 \mathrm{~mm}^{2}$ conductor)
Rotary operated shutter.
DIMENSIONS:
$86 \times 146 \mathrm{~mm}$
FIXING CENTRES:
120.6 mm

BS.4177: 1992

1 K5040 WHI
45 AMP
DP MAIN SWITCH
AND 13 AMP
SWITCHSOCKET OUTLET
1 K5041 WHI
45 AMP
DP MAIN SWITCH
AND 13 AMP
SWITCHSOCKET OUTLET
WITH NEONS

Supplied complete with mounting
box and cable restraint.
Fitted with earth terminals.
Rotary operated shutter.
DIMENSIONS:
$86 \times 146 \times 60 \mathrm{~mm}$
BS.4177: 1992

## MOUNTING BOX

FLUSH:
5120 ALM
Fitted with earth terminals.
Rotary operated shutter.
DIMENSIONS:
$178 \times 165 \mathrm{~mm}$
BS.4177: 1992

Supplied complete with mounting box.

Fitted with earth terminals.
Rotary operated shutter.
DIMENSIONS:
$156 \times 144 \times 67 \mathrm{~mm}$
KNOCKOUTS:
$5 \times 25 \mathrm{~mm}$.
Two in each of top and bottom,
one in back.
BS.4177: 1992

## Plateswitches

NEON
LOCATOR

10 AMP
FLUSH


## K3041

NEON PLATESWITCH
LOCATOR
200-250V. 50Hz.

Neon Plateswitch Locator is for use
with any 1,2 and 3 gang Logic
Plus plateswitches.
Used for location of switches in
dark situations.
FIXING CENTRES:
60.3 mm

BS.5733: 1979
$\square$ The Logic Plus finish is also available in the

## 5

1

K4870 WHI
1 GANG SP ONE-WAY

K4871 WHI
1 GANG SP
TWO-WAY

## K4872 WHI

2 GANG SP
TWO-WAY

## K4875 WH

1 GANG
INTERMEDIATE
MOUNTING BOXES
FLUSH:
1,2 \& 3 GANG:
3995 ZIC
4 \& 6 GANG:
862 ZIC
SURFACE:
1, 2 \& 3 GANG:
K'2160 WHI
4 \& 6 GANG:
K2161 WHI

These switches do not have to be derated when used with fluorescent or inductive loads.
K4871, K4872, K4873, K4874, K4879
These switches can be wired as either one-way or two-way.

10

10

10

K4876 WHI
1 GANG DP
1 GANG DP
K4873 WHI
3 GANG SP
TWO-WAY
WH
4 GANG SP
TWO-WAY
K4879 WHI
6 GANG SP
TWO-WAY
DIMENSIONS:
1, 2 \& 3 gang: $86 \times 86 \mathrm{~mm}$
4 \& 6 gang: $86 \times 146 \mathrm{~mm}$
FIXING CENTRES:
$1,2 \& 3$ gang: 60.3 mm
4 \& 6 gang: 120.6 mm
BS EN 60669-1: 2000

20 AMP VERSIONS
K4870, K4873, K4874, K4875, K4871 \& K4872 are all available as 20 amp SP versions. Use suffix D2 WHI when ordering.
K4867
is 20amp DP 1 way version of K4871.
K4868
is 20amp DP 1 way version of K4872.

10
K4878B WHI
1 GANG SP
TWO WAY
10
PUSH SWITCH
WITH BELL SYMBOL
PUSH TO MAKE OR BREAK
5

## K4878P WHI

10
1 GANG SP
TWO WAY
PUSH SWITCH
5
MARKED 'PRESS'
PUSH TO MAKE OR BREAK

MOUNTING BOXES
FLUSH:
3995 ZIC
SURFACE:
K2160 WHI
DIMENSIONS
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS EN 60669-1: 2000
10
10

0

## WHITE

www.mkelectric.co.uk

| Plateswitches | Architrave <br> Switches |
| :--- | :--- |
|  |  |
| WITH WIDE ROCKERS |  |
| 10 AMP <br> FLUSH | 10 AMP |
| FLUSH |  |




Wide rocker plateswitches are not only a stylish alternative to standard plateswitches, but with the fixing screws hidden, the rocker cap acts as an additional barrier to prevent unwanted tampering in additional barrier to prevent unwanted tampering in
public areas. They are also very practical and easy to use for the young and elderly alike.

K4781 WHI
1 GANG SP TWO-WAY WITH WIDE ROCKER

## K4782 WHI

2 GANG SP TWO-WAY
WITH WIDE ROCKERS

## K4783 WHI

3 GANG SP TWO-WAY
WITH WIDE ROCKERS

## K4785 WHI

1 GANG SP INTERMEDIATE WITH WIDE ROCKER

MOUNTING BOXES
FLUSH: 3995 ZIC
SURFACE:
K2160 WH
K2140 WHI (for extra wiring space)
These switches do not have to be derated when used with fluorescent or inductive loads.
DIMENSIONS: $86 \times 86 \mathrm{~mm}$ FIXING CENTRES: 60.3 mm BS EN 60669-1: 2000 20 AMP DP VERSIONS K4787 is 20 amp DP 1 way version of K4781.
K4788 is 20 amp DP 1 way version of K4782
BS. 3676: 1989

10
K4841 WHI
1 GANG SP TWO-WAY

10 K4842 WHI
2 GANG SP
TWO-WAY
K4848B WHI
1 GANG SP PUSH SWITCH WITH BELL SYMBOL

## K4848P WHI

1 GANG SP PUSH SWITCH
MARKED 'PRESS'
PUSH TO MAKE OR BREAK
mOUNTING BOXES
FLUSH:
1 GANG: 3921 ZIC
2 GANG: 3922 ZIC
SURFACE:
GANG: K2151 WH
2 GANG: K2152 WHI
These switches do not have to be derated when used with fluorescent or inductive loads.
K4841, K4842 These switches can be wired as either one-way or two-way.
DIMENSIONS:
1 gang: $86 \times 32 \mathrm{~mm}$
2 gang: $146 \times 32 \mathrm{~mm}$
FIXING CENTRES:
1 gang: 60.3 mm
2 gang: 120.6 mm
BS EN 60669-1: 2000
5

5 K1501 WHI LV
1 GANG SINGLE
TWO WAY 60W/VA-500W/400 VA
5 K1521 WHI LV
1 GANG SINGLE
TWO WAY 40W/VA-300W/240 VA

## 5 K1522 WHI LV

1 GANG DOUBLE
TWO WAY $2 \times 40 \mathrm{~W} / \mathrm{VA}-300 \mathrm{~W} / 240 \mathrm{VA}$
MOUNTING BOXES
(Pattress is supplied with K1501, K1521)
K1522
FLUSH: 861 ZIC/866 ZIC
SURFACE: K2140 WH
K1501, K1521
FLUSH:
with pattress: 16 mm deep min 3995 ZIC without pattress: 25 mm deep min 861 ZIC SURFACE: K2160 WH/K2140 WH
Dimmers comply with BS EN 55015 (CISPR
15) for RFI suppression.

Micro controller based circuitry to provide electronic soft-start and overload protection. Suitable for use with good quality electronic or wire wound transformers. Can also be or wire wound transtormers. Can also
used with good quality mains voltage used with good quality mains voltage
halogen lamps incorporating GU10 bases. halogen lamps incorporating
Please check with lamp manufacturer to Please check with han
determine suitability.
DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm
Conforms to BS EN 60669-2-1,
BS EN 55015

## Standard Dimmer Switches

230 V a.c. 50 Hz TUNGSTEN FILAMENT

FLUSH

Dimmer
Switches
(Non UK)
$120-134 \mathrm{~V} 60 \mathrm{~Hz}$
FLUSH

200-250V a.c.
50 or 60 Hz
FLUSH

FLUSH

Blank Plates


Flex Outlet

Frontplate

FLUSH
$200-250 \mathrm{~V}$ a.c.
50 or 60 Hz
FLUSH



## K1511 WHI

1 GANG SINGLE ONE WAY 65-450W

## K1531 WHI

1 GANG SINGLE ONE WAY 40-250W

## K1532 WHI

1 GANG DOUBLE ONE WAY $2 \times 40-250 \mathrm{~W}$

## K1533 WHI

1 GANG DOUBLE TWO WAY $2 \times 40-250 \mathrm{~W}$

## K1534 WHI

1 GANG SINGLE
TWO WAY 40-250W

## K1535 WHI

1 GANG SINGLE
TWO WAY 65-450W
MOUNTING BOXES
FLUSH: 861 ZIC-25mm deep. With pattress: 3995 ZIC-16mm deep min SURFACE: K2140 WHI-30mm deep. With pattress: K2160 WHI-16mm deep min
Only suitable for tungsten filament lamps.
NOT suitable for fluorescent lamps or low voltage lighting. DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm Conforms to BS EN 60669-2-1 and BS EN 55015

1

1

1

## 1 GAG SNG

1 GANG SINGLE ONE WAY
40-250W

## K1741 WHI

1 GANG SINGLE
tWO WAY
60-450W
K1761 WHI
2 GANG SINGLE DIMMER TWO WAY 90-650W
mOUNTING BOXES
FLuSH:
1 GANG: 861 ZIC -25 mm deep min 2 GANG: 886 ZIC-35mm deep min SURFACE:
1 GANG: K2140 WHH-30mm deep 2 GANG: K2142 WH-30mm deep DIMENSIONS:
K1731, K1741
$86 \times 86 \mathrm{~mm}$
K1761
$146 \times 86 \mathrm{~mm}$
fIIING CEnTRES:
K1731, K1741
60.3 mm
${ }^{K} 1761$
120.6 mm

FLEX OUTLET FRONTPLATE.
UNFUSED

1 GANG SINGLE
ONE WAY
75-500W 50Hz

## K3825 WHI <br> 1 GANG MOULDED ARCHITRAVE

1 GANG SINGLE
TWO WAY
$100-1000 \mathrm{~W} 5 \mathrm{~Hz}$
K1631 WHI
1 GANG SINGLE
ONE WAY
40-250W 60Hz

## K1641 WH

1 GANG SINGLE
ONE WAY
$75-500 \mathrm{~W} 60 \mathrm{~Hz}$

## K1661 WHI

1 GANG SINGLE
TWO WAY
$100-1000 \mathrm{~W} 60 \mathrm{~Hz}$

## K1539 WHI

FAN CONTROLLER
1 GANG SINGLE ONE WAY 300 VA 50 Hz

MOUNTING BOXES
FLUSH: 861 ZIC-25mm deep min SURFACE: K2140 WHI-30mm deep
DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm


K3827 WHI
GANG MOULDED

## K3828 WHI

10

1
GANG MOULDED
METAL
METAL
$\square$

## K3825 WHI

For use with 3921 ZIC and K2151 WHI mounting boxes.
K5033 WH
For use with 5120 ALM deep meta box.
DIMENSIONS:
3825 WHI: $86 \times 31 \mathrm{~mm}$
3827 WHI: $86 \times 86 \mathrm{~mm}$ 3828 WHI: $86 \times 146 \mathrm{~mm}$ 5033 WHI: $178 \times 165 \mathrm{~mm}$
FIXING CENTRES: 3825 WHI: 60.3 mm 3827 WHI: 60.3 mm 3828 WHI: 120.6 mm 5033 WH: 133 mm BS.5733: 1995

Complete with three pairs of terminals, each suitable for $2 \times 2.5 \mathrm{~mm}^{2}$ conductors and a $1.5 \mathrm{~mm}^{2}$ flexible cord.
A cord-grip is also fitted.
Frontplate thickness is 12.5 mm Hole diameter is 11 mm

DIMENSIONS:
$86 \times 86 \mathrm{~mm}$
FIXING CENTRES:
60.3 mm

BS.5733: 1995

## MODULAR DATACOMS

Euro Datacom Frontplates<br>Power<br>Modules

## Euro Datacom <br> Modules

FRONTPLATES


K184 WHI

RJ11/12
K5887 WHI K5887 BLK

RJ45 CAT 5E


ISDN

## K182 WHI

1 GANG
EURO FRONTPLATE
TWO MODULE
APERTURE SIZE $50 \times 50 \mathrm{Mm}$

## K184 WHI

2 GANG
EURO FRONTPLATE
FOUR MODULE
APERTURE SIZE $100 \times 50 \mathrm{MM}$

MOUNTING BOXES
Suitable for flush boxes to
BS.4662: 1970 and surface boxes to BS.5733: 1995

Refer to appropriate module for minimum box depth.
FIXING CENTRES
1 gang: 60.3 mm
2 gang: 120.6 mm
BS.5733;1995 where applicable
Note: No grid required, modules just clip into place

K5830 WHI K5830 BLK
UK 1 GANG EURO 2 MODULE
13 AMP 250V SHUTTERED

## K5831 WHI

K5831 BLK
GERMAN 2P+E
16 AMP 250V SHUTTERED EURO 2 MODULE (NON UK)

K5832 WH
10
K5832 BLK
AMERICAN
15 AMP 127V SHUTTERED EURO 2 MODULE (NON UK)

## K5830

MOUNTING BOX : 25 mm minimum 35 mm (for extra wiring space)
DIMENSIONS: $50 \times 50 \mathrm{~mm}$
BS. 1363: Part 2: 1995
K5831
MOUNTING BOX: 46 mm DIMENSIONS: $50 \times 50 \mathrm{~mm}$
IEC 60884-1: 2002
K5832
MOUNTING BOX: 35 mm 46 mm (for extra wiring space) DIMENSIONS: $50 \times 50 \mathrm{~mm}$

Suitable for both RJ11 and RJ12 jacks
R111; 4 wire
RJ12; 6 wire
MOUNTING BOXES
Minimum box depth 25 mm
FCC68

RJ45 CAT 5E ANGLED ONE MODULE $25 \times 50 \mathrm{MM}$

K5845 WHI
ONE MODULE $25 \times 50 \mathrm{MM}$

## K5845 BLK

5
RJ45 CAT 5E
ONE MODULE $25 \times 50 \mathrm{MM}$

## K5845s WHI <br> 5 <br> K5845s BLK <br> 5

RJ45 CAT 5E SCREENED
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
25 mm standard
32 mm screened
TIA/EIA TSB40A: Cat $5 e$
TIA/EIA 568-A: Cat 5 e
ISO/IEC11801: Cat 5 e

Incorporates line terminating resistor.
MOUNTING BOXES
Minimum depth 25 mm
TIA/EIA TSB40A
TIA/EIA 568-A
ISO/EC1 1801

TV CO-AXIAL OUTLETS
FOR DIGITAL TV
SCREENED
NON ISOLATED

BLANKS


ONE MODULE 25 X 50MM
mounting boxes Minimum depth 16 mm
BS. 6312 part 2

| 5 | K5801 WHI | 5 |
| :--- | :--- | :--- |
| 5 | K5801 BLK | 5 |

K5850 WHI
SINGLE OUTLET (IEC MALE) ONE MODULE $25 \times$ 50MM

## K5851 WHI <br> K5851 BLK <br> SINGLE OUTLET (IEC FEMALE)

ONE MODULE 25 X 50MM
K5855 WHI
K5855 BLK

| $\begin{array}{r} 5 \\ 5 \end{array}$ | K5852 WHI |
| :---: | :---: |
|  | K5852 BLK |
|  | TWIN OUTLET |
|  | TV/FM DIPLEXER |
| 5 | TWO MODULE $50 \times 50 \mathrm{MM}$ |
|  | K5853 WHI |
| 5 | K5853 BLK |
|  | TRIPLE OUTLET |
|  | TV/FM/SATELITE TRPLLEXER |
| 5 | TWO MODULE $50 \times 50 \mathrm{MM}$ |

HALF MODULE
BLANK $12.5 \times 50 \mathrm{MM}$

## 5

K180 WHI
two MODULE BLANK $50 \times 50 \mathrm{MM}$
K188 WHI ..... 10

K188 BLK
ONE MODULE
BLANK $25 \times 50 \mathrm{Mm}$
K186 WHI
K186 BLK

MOUNTING BOXES
MOUNTING BOXXS
Minimum depth 16 mm
BS.5733:1995 where applicable

50 Ohm crimp connector suitable for use with RG58, URM43, URM76 and Beldon 9907 type co-axial cables.
MOUNTING BOXES Minimum box depth 25 mm

SINGLE F-TYPE SATELLITE SOCKE ONE MODULE $25 \times 50 \mathrm{MM}$

Fully screened non isolated TV outlets containing a combination of single, TVVM Diplexer and TV/FM/SAT Triplexer for use within digital $T V$ systems and interactive TV services. Single outlets for connection to a single TV, FM or Satellite co-axial aetial lead.
MOUNTING BOXES
Min box depth 32 mm
DIMENSIONS
1 Module $25 \times 50 \mathrm{~mm}$
2 Module $50 \times 50 \mathrm{~mm}$
BS.3041:1997
IEC 169-2:1965
BSEN $50083 \&$ BS.5733:1995 where applicable

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

## PERFORMANCE

Single TV: DC to 950 MHz
Diplexer TV: DC to 1.75 GHz TV: DC to 68.5 MHz 174 to 862 MHz FM: 87.5 to 108 MHz
Triplexer TV: 5 to 68.5 MHz \& 174 to 862 MHz FM: 87.5 to 108 MHz Sat: DC to 200 kHz \& 950 to 2400 MHz

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

## LJU6C Datacom

Frontplates

## LJU6C Datacom

Modules

FRONTPLATES
RJ11/12
RJ45 CAT 5E
ISDN
BLANKS


## K172 WHI

1 GANG TWIN UU6C FRONTPLATE
TWO MODULE
APERTURE SIZE 22 X 37MM

5 K170 WHI
K170 BLK
ONE MODULE BLANK

## 5 5

ONE MODULE

MOUNTING BOXES
suitable for flush boxes to
BS. $4662: 1970$ and surface boxes to BS.5733:1995
Refer to appropriate module for minimum box depth.
FIXING CENTRES
1 gang: 60.3 mm
2 gang: 120.6 mm
BS.5733:1995 where appropriate
Note: No grid required, modules just clip into place

Suitable for both R111 and R112 jacks.
R111: 4 wire
RJ12: 6 wire
MOUNTING BOXES Minimum box depth 25 mm FCC68

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 Minimum box depth
25 mm (unscreened) 32 mm (screened)
TIA/EIA TSB40A: Cat5e
TIA/EIA 568-A: Cat5e
ISO/IEC11801: Cat5e

Incorporates line terminating resistor
MOUNTING BOXES
Minimum box depth 25 mm
TIA/EIA TSB40A
TIA/EIA 568-A
ISO/IEC11801

MOUNTING BOXES
Minimum box depth 16 mm
BS.5733:1995 where appropriate

| MK Modular | MK Modular <br> Frontplates <br>  |
| :--- | :--- |
|  | Datacom <br> Modules |
|  |  |



1 GANG
ONE MODULE
K192 WHI
1 GANG
TWO MODULE
K193 WHI
2 GANG
THREE MODULE

## K194 WHI <br> 2 GANG

FOUR MODULE

## MOUNTING BOXES

Suitable for flush boxes to
BS. 4662: 1970 and surface boxes to BS. 5733: 1995

See Modules for correct
box depth.
BS. 5733: 1995
where applicable

MOUNTING BOXES
Minimum box depth 25 mm K545 is Cat5e
IEC 11801
BS EN 50173
TIA/EIA 568A
BS.5733: 1995 where applicable

5 K501 WHI
BNC
DATA SOCKET $50 \Omega$
5
5 K420 WHI
10
TELEPHONE OUTLET
BT MASTER ONE MODULE

## K421 WHI

10

## K545 WHI

RU45 CATEGORY 5e
DATA SOCKET
ONE MODULE

## 5

TELEPHONE OUTLET
K487 WHI 5
R11
TELEPHONE/DATA SOCKET ONE MODULE

## K190 WHI

BLANK
ONE MODULE
MOUNTING BOXES
K420 and K421
are approved under OFTEL approval No.NS/G/23/L/100005 for direct and indirect connections between a termination point of a public telecommunications system and any piece of approved
pelecommunications apparatus
BS. 6312 Pt 2
K487 FCC 68
K520 Minimum depth 40 mm when fitted with a data connector. The data connector is not provided.
K190 Minimum depth 16 mm
BS.5733: 1995 where applicable
Telephone
Socket
Outlets

FLUSH

## TV/FM and Satellite

Co-Axial Socket Outlets

FOR DIGITAL AND INTERACTIVE SERVICES SCREENED, NON ISOLATED
FLUSH

## TV/FM and Satellite

Co-Axial Socket Outlets with BT Outlet

FOR DIGITAL AND INTERACTIVE TV SERVICES FLUSH


K422 WHI
1 GANG
BT TELEPHONE MASTER

## K427 WHI

1 GANG
BT TELEPHONE SECONDARY

## K4817 WHI

1 GANG
RJ11 TELEPHONE SOCKET
10
SINGIE OUTET
SINGLE OUTLET (IEC MALE)

K3551 WHI
SINGLE OUTLET (IEC FEMALE)
10

## K3540 WHI

10
3 PIN WITH
TELEPHONE SYMBOL (NON UK)

## 400 NAT

IDC INSERTION TOOL

## K422 and K427

Are approved under OFTEL approval No.NS/G/23/L/100005 for direct and indirect connections direct and indirect connections public telecommunications system and any piece of approved telecommunications apparatus. BS. 6312 Pt. 2
K4817
FCC 68
K3540
Accepts standard BS. 646
2 amp 2 pin and earth plug where 2 pins are used for telephone circuits and the earth pin is used to ensure correct polarity

SINGLE OUTLET F-TYPE SATELLITE SOCKET

10
Fully screened non isolated TV outlets containing a combination of single,TV/FM Diplexer, TV/FM/SAT Triplexer and secondary telephone outlets for use within digital TV systems and interactive TV services.

10

## K3552 WHI <br> TWIN TV/FM

DIPLEXER
10
K3553 WHI
TRIPLE TV/FM/SAT TRIPLEXER

## K3557 WHI

SINGLE OUTLET
(IEC MALE)
10

10

## K3560 WHI

TWIN TV/FM DIPLEXER WITH BT SECONDARY

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

## K3561 WHI

TRIPLE TV/FM/SAT TRIPLEXER WITH BT SECONDARY

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

BT Telephone Secondary outlet for use with interactive TV digital services.
K3562 and K3563 outlets with additional single TV (male) outlet for secondary distribution of TV signal

10 K3562 WHI
TWIN TV/FM DIPLEXER WITH SINGLE TV (IEC MALE) AND BT SECONDARY

[^0]BS:3041:1997
IEC169-2:1965
BSEN50083 where applicable
BS.5733:1995 where applicable
BS.5733:1995 where applicable
BS. 6312 Part 2

\author{

## TV/FM and Satellite

 <br> Co-Axial Socket Outlets}
$\begin{array}{ll}\text { NON ISOLATED } & \text { ISOLATED } \\ \text { FLUSH } & \text { FLUSH }\end{array}$

## Grid Plus <br> Frontplates




K3639 WHI

K3520 WHI
SINGLE OUTLET

## K3523 WHI

TWIN OUTLET
K3525 WHI
SINGLE F TYPE
SATELLITE SOCKET

## K3525 D1 WHI

TWIN FTYPE
SATELLITE SOCKET

MOUNTING BOXES
FLUSH:
861 ZIC
SURFACE:
K2140 WHI
Single outlet for connection to a single TV or FM co-axial aerial lead. Twin outlet for connection to each of two separate TV/FM, co-axial aerial leads.
DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm
BS. 5733: 1995
where applicable
BS.3041: 1977
IEC 169-2: 1965

MOUNTING BOXES
FLUSH:
861 ZIC
SURFACE:
K2140 WHI
Provides safety isolation rated at 2000Va.c. between aerial lead and 2000 socket
Single outlet for connection to a single TV or FM co-axial aerial lead Twin outlet with TV/FM diplexer for connection to single co-axial aerial lead with combined TV \& FM signals.
DIMENSIONS: $86 \times 86 \mathrm{~mm}$
FIXING CENTRES: 60.3 mm
BS. 5733: 1995 where applicable
BS.3041: 1977 IEC 169-2: 1965

All modules from the Grid Plus range can be used with these frontplates.
DIMENSIONS:
1 \& 2 MODULE: $86 \times 86 \mathrm{~mm}$
3 \& 4 MODULE: $86 \times 146 \mathrm{~mm}$ 6 \& 8 MODULE: $146 \times 146 \mathrm{~mm}$ 12 MODULE: $206 \times 146 \mathrm{~mm}$
BS. 5733: 1995
K3631 WHI
1 MODULE
K3632 WHI
2 MODULE
K3633 WHI
3 MODULE
K3634 WHI

K3636 WHI
6 MODULE
K3638 WHI
8 MODULE

4 MODULE

K3639 WHI
12 MODULE
1

## St. James' Park, Newcastle



Dominating the skyline of Newcastle upon Tyne, the St James' Park Stadium has become as much a landmark of the city as its world famous bridge. Home to six times FA Cup winners and four times League champions, Newcastle United FC, St. James' Park has the second largest capacity of all grounds in the English Premier League

Although the wiring devices to be used in the job were an open specification, Bill Yates, contract manager at Balfour Kilpatrick, decided to use MK Electric's Logic Plus range throughout the corporate hospitality suites and bar areas. The reason for his decision was simple. "We have been using MK's wiring devices continuously over the past 30 years, because we have found the company's products to be unbeatable on reliability and performance."

M\&E Contractor Balfour Kilpatrick


[^0]:    MOUNTING BOXES
    Minimum box depth 32 mm
    1 gang: Flush: $\quad 866 \mathrm{ZIC}$ Surface: K2181 WH
    2 gang: Flush: 886 ZIC
    PERFORMANCE
    SINGLE TV: DC TO 950 MHz
    SINGLE SAT: DC to 1.75 GHz
    DIPLEXER
    TV: DC to 68.5 MHz .
    FM: 87.5 to 108 MHz
    DIMENSIONS:
    1 gang: $86 \times 86 \mathrm{~mm}$
    2 gang: $86 \times 146 \mathrm{~mm}$
    FIXING CENTRES:
    1 gang: 60.3 mm
    2 gang: 120.6 mm .

    TRIPLEXER
    TV: 5 to $68.5 \mathrm{MHz}, 174$ to 862 MHz
    FM: 87.5 to 108 MHz
    950 to 2400 MHz

