



# METALCLAD PLUS™

## RANGE INTRODUCTION

All MK products are made to stand up to the wear and tear of everyday use, but in some areas you need them to be even tougher. That's why the Metalclad Plus™ range of surface mounted accessories is ideal for factories, workshops, garages and sheds.

Made from heavy gauge steel they're tough and impact resistant and they look good too. There is a wide selection of surface mounted products in the range including switchsockets with outboard rockers and light switches with wide rockers, both very useful when wearing gloves. An RCD protected socket is also available which is essential when operating power tools.

Echo™ is an innovative range of entirely wireless, batteryless and self powered switches and in finishes to complement the Metalclad Plus™ range. Please see page 21 for details.

### HOW TO SPECIFY

A metal, surface and flush mounting range of wiring devices. Frontplates to have a maximum 9mm profile and subtle 7mm radius rounded corners. 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 sockets to have a 3 pin operated shutter safety mechanism and double pole switching, with the contacts designed such that the neutral makes before and breaks after the live pole for improved safety. Switches to have a minimum 3mm contact gap with a positive 'click' to denote successful operation.

## FEATURES & BENEFITS

### TOUGH AND IMPACT RESISTANT

Metalclad Plus™ is ideal for factories, workshops, garages and sheds. White Metalclad Plus™ is ideal for Schools and Sports Halls.

### COMPREHENSIVE RANGE

Suits all your needs where hard wearing performance is required.

### FRONTPLATES HAVE SMOOTHLY CHAMFERED EDGES

Fits flush with the backbox providing a neat finish.

### TOTAL SAFETY

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.

All products are Surface mounted (supplied with box) with exception of White and D5 variants. Boxes can be obtained separately if needed. See page 211.



Technical Hotline  
+44 (0)1268 563720

# Metalclad Plus™

WIRING DEVICES  
**SURFACE**

**METALLIC POWDER PAINT**  
Finish is corrosion and scratch resistant

**HIGHLY IMPACT RESISTANT**

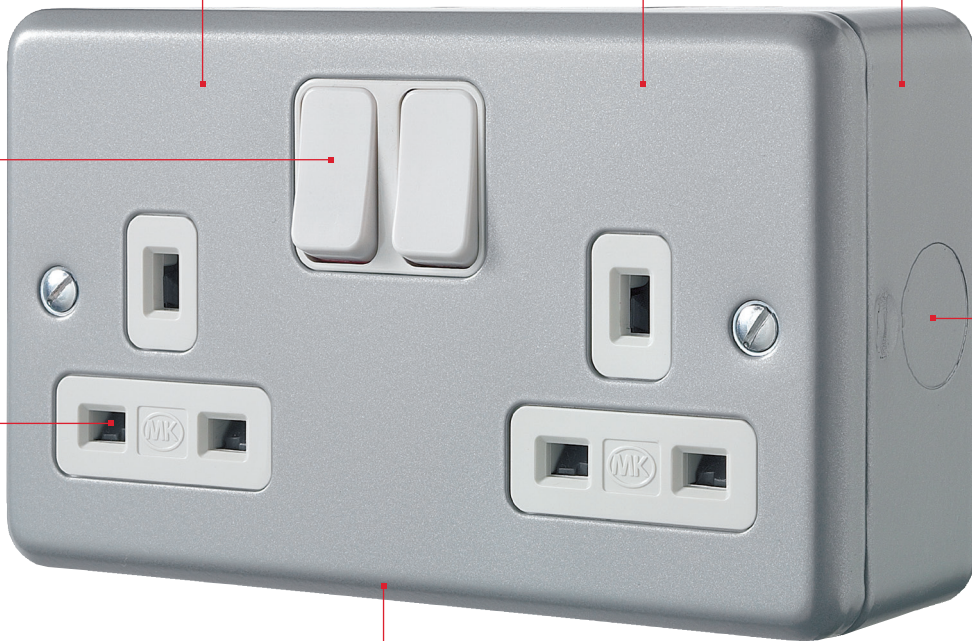
**SPECIFICALLY DESIGNED BACK BOXES**  
Ensure neat and exact fit

**DOUBLE POLE SWITCHING**

**3-PIN "CHILD RESISTANT SHUTTER SYSTEM"**  
Designed to inhibit access to the electricity supply, unless all 3 pins of a standard British 13A plug are in position

**STYLISH CURVED DESIGN**

**BOXES AVAILABLE WITH OR WITHOUT KNOCKOUTS**



Terminal screws are backed out and captive terminals are upwards facing to make installation easier.

Funnel entrance to terminals enables positive cable connection.

Outboard rocker sockets are ideal for gloved hands.

Clear terminal markings for easy identification.



## Switchsocket Outlets

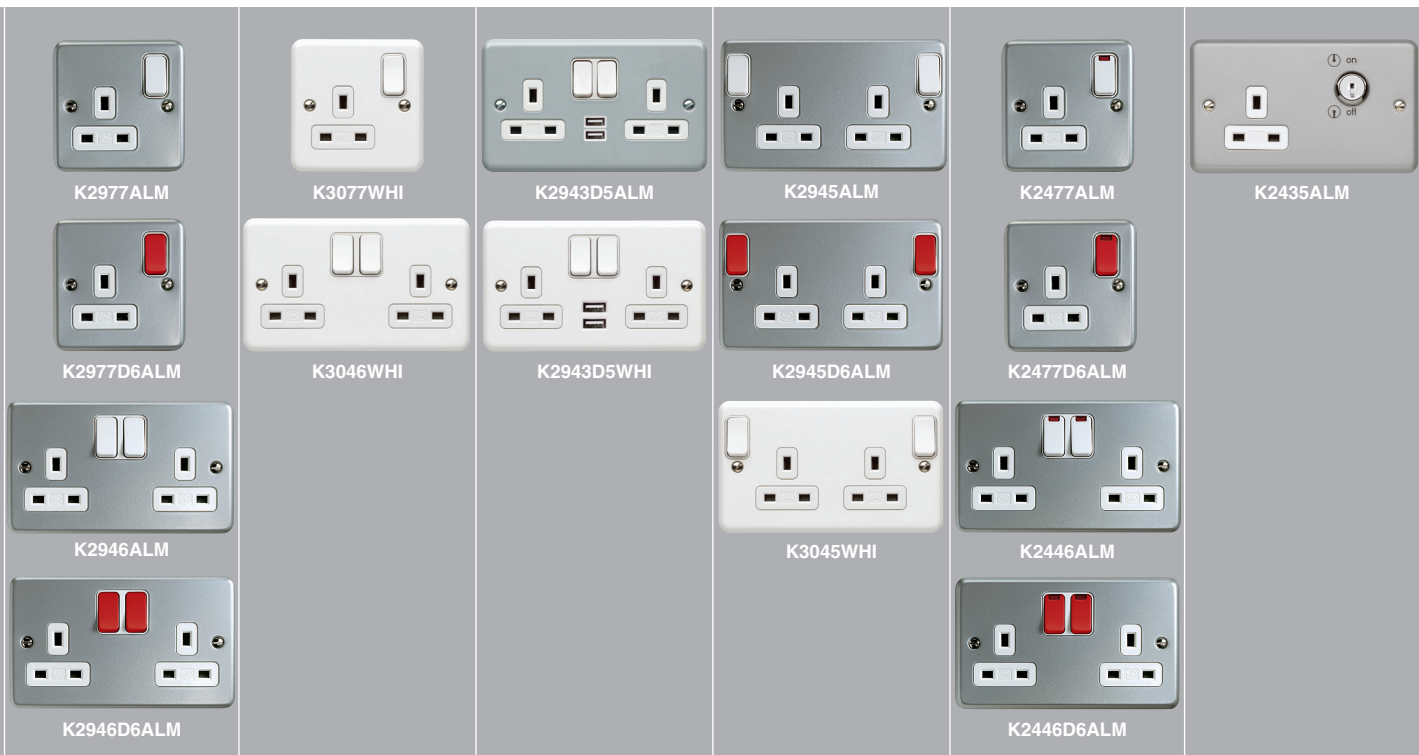
DP  
13 AMP

2 GANG DP  
WITH 2 X USB  
CHARGING PORTS  
DUAL EARTH  
13 AMP

WITH OUTBOARD  
ROCKERS  
13 AMP

WITH NEONS  
13 AMP

1 GANG DP



**K2977ALM** 5  
1 GANG DP WITH  
DUAL EARTH  
TERMINALS  
**K2977D5ALM** 1  
1 GANG DP WITH DUAL  
EARTH TERMINALS  
WITHOUT BOX  
**K2977D6ALM** 1  
1 GANG DP WITH RED  
ROCKER AND DUAL  
EARTH TERMINALS  
**K2946ALM** 5  
2 GANG DP  
**K2946D5ALM** 1  
2 GANG DP  
WITHOUT BOX  
**K2946D6ALM** 1  
2 GANG DP WITH  
RED ROCKERS

**K3077WHI** 10  
1 GANG DP  
WITHOUT BOX  
**K3046WHI** 5  
2 GANG DP  
WITHOUT BOX

**K2943D5ALM** 1  
2 GANG DP WITH DUAL  
EARTH TERMINALS  
WITH INTEGRAL USB  
CHARGING WITHOUT  
BOX  
**K2943D5WHI** 1  
2 GANG DP WITH DUAL  
EARTH TERMINALS  
WITH INTEGRAL USB  
CHARGING WITHOUT  
BOX

Features 2 USB charging  
sockets, each capable of  
supporting 2A charge  
(total of 2A)  
BS5733: 2010  
MOUNTING BOX  
K897ALM  
K897WHI

**K2945ALM** 5  
2 GANG DP  
WITH OUTBOARD  
ROCKERS AND DUAL  
EARTH TERMINALS  
**K2945D5ALM** 5  
2 GANG DP  
WITH OUTBOARD  
ROCKERS AND DUAL  
EARTH TERMINALS  
WITHOUT BOX  
**K2945D6ALM** 1  
2 GANG DP  
WITH RED OUTBOARD  
ROCKERS AND DUAL  
EARTH TERMINALS  
**K3045WHI** 5  
2 GANG DP  
WITHOUT BOX  
WITH OUTBOARD  
ROCKERS AND DUAL  
EARTH TERMINALS

**K2477ALM** 5  
1 GANG DP  
WITH NEON AND DUAL  
EARTH TERMINALS  
**K2477D6ALM** 1  
1 GANG DP  
WITH NEON,  
RED ROCKER AND DUAL  
EARTH TERMINALS  
**K2446ALM** 5  
2 GANG DP  
WITH NEONS  
**K2446D6ALM** 1  
2 GANG DP  
WITH NEONS  
AND RED ROCKERS

**K2435ALM** 1  
13A DP KEY  
OPERATED SOCKET  
  
Earth terminal fitted in boxes.  
DIMENSIONS  
86 x 146 x 51mm  
KNOCKOUTS  
8 x 20mm – Three in top two  
in bottom sides and one in  
each end. One in base.  
MOUNTING BOX  
K830ALM\* K897ALM  
(\*without side knockouts)  
All boxes have a base  
knockout.  
BOXES  
BS 5733:2010  
SOCKET  
BS 1363-2:1995

Earth terminal fitted in boxes.

### DIMENSIONS

1 gang 86 x 86 x 51mm

2 gang 86 x 146 x 51mm

### KNOCKOUTS

1 gang 6 x 20mm – Two in one side and one in  
each of the other three sides. One in base.

2 gang 8 x 20mm – Three in top two in bottom  
sides and one in each end. One in base.

### SPARE BOXES

1 gang K829ALM\* K899ALM

2 gang K830ALM\* K897ALM

(\*without side knockouts)

All boxes have a base knockout.

### BOXES

BS 5733:2010

### SOCKET

BS 1363-2:1995

### HIGH INTEGRITY EARTHING

One gang switchsockets, two gang outboard  
switchsockets, two gang integrated USB  
switchsockets and two gang unswitched sockets  
are fitted with two earth terminals to provide a  
double earth facility for use when installations  
require a high integrity protective connection as  
specified within BS 7671:2008

### DOUBLE POLE SWITCHING

All switchsockets have double pole switching  
(neutral makes first, breaks last).

All units are supplied with backboxes (except WHI, D5 products and Blankplates)



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# Metalclad Plus™

WIRING DEVICES  
**SURFACE**

## Socket Outlets

RCD PROTECTED  
13 AMP

ROUND PIN

NON STANDARD  
13 AMP

13 AMP

ROUND PIN



K6102ALM



K6302ALM



K6231ALM



K2871ALM



K2873ALM



K1247ALM



K1247D6ALM



K1248ALM



K1248D6ALM



K848ALM



K850ALM



K841ALM



K842ALM



K843ALM

**K6102ALM**  
1 GANG DP  
10mA ACTIVE CIRCUIT

**K6302ALM**  
1 GANG DP  
30mA ACTIVE CIRCUIT

**K6305ALM**  
1 GANG DP  
30mA PASSIVE CIRCUIT

**K6231ALM**  
2 GANG SP  
30mA ACTIVE CIRCUIT

**K6233ALM**  
2 GANG SP  
30mA PASSIVE CIRCUIT

It is important to ensure that the correct control circuit, active or passive, is selected for each application. See page 288 for definition.

Only suitable for supply voltage of 240V a.c.

**DIMENSIONS**  
86 x 147 x 54mm

**KNOCKOUTS**  
8 x 20mm – Three in top side, two in bottom side, one in base and one in each end.

**SPARE BOX**  
K897ALM  
BS 7288:1990

**1 K2871ALM**  
1 GANG  
5A DP  
SHUTTERED

**1 K2873ALM**  
1 GANG  
15A DP  
SHUTTERED

**5** Earth terminal fitted in boxes.

**DIMENSIONS**  
86 x 86 x 51mm

**KNOCKOUTS**  
6 x 20mm – Two in one side and one in each of other three sides. One in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.  
BS 546:1950

**1 K1247ALM**  
1 GANG DP WITH  
CLEAN EARTH FACILITY

**1 K1247D6ALM**  
1 GANG DP  
WITH RED ROCKER AND  
CLEAN EARTH FACILITY

**1 K1248ALM**  
2 GANG DP WITH  
CLEAN EARTH FACILITY

**1 K1248D6ALM**  
2 GANG DP  
WITH RED ROCKERS AND  
CLEAN EARTH FACILITY

These products are provided with facilities for 'clean earth' connection and are suitable for non standard plugs with 'T' shaped earth pin. Earth terminal fitted in boxes.

**NOTE**  
A suitable plug for these non standard sockets is 647WHI, see page 240.

**DIMENSIONS**  
1 gang 86 x 86 x 51mm  
2 gang 86 x 146 x 51mm

**KNOCKOUTS**  
1 gang 6 x 20mm – Two in one side and one in each of other three sides. One in base.  
2 gang 8 x 20mm – Three in top, two in bottom sides and one in each end. One in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout  
BS 1363-2:1995 where relevant

**5 K848ALM**  
1 GANG

**1 K850ALM**  
2 GANG  
WITH DUAL EARTH  
TERMINALS

**1** K850ALM has two earth terminals providing a double earth facility when installations require a high integrity protective connection as specified within BS 7671:2008..

**DIMENSIONS**  
1 gang 86 x 86 x 47mm  
2 gang 86 x 146 x 47mm

**KNOCKOUTS**  
1 gang 6 x 20mm – Two in one side and one in each of other three sides. One in base.  
2 gang 8 x 20mm – Three in top, two in bottom sides and one in each end. One in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.  
BS 1363-2:1995

**5 K841ALM**  
1 GANG  
2A  
SHUTTERED

**5 K842ALM**  
1 GANG  
5A  
SHUTTERED

**5 K843ALM**  
1 GANG  
15A  
SHUTTERED

Earth terminal fitted in box.

**DIMENSIONS**  
86 x 86 x 47mm

**KNOCKOUTS**  
6 x 20mm – Two in one side and one in each of other three sides. One in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.  
BS 546:1950

# Metalclad Plus™

## Features and Benefits



When servicing or repairing appliances fuse carriers on connection units can be padlocked for additional safety



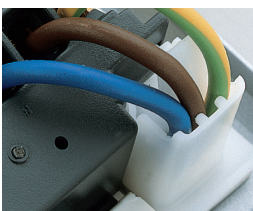
A secret key-operated switch helps prevent unauthorised usage



An optional tamperproof screw on the fuse carrier is particularly useful for appliances in public areas



In-line terminals means that cables can be cut to the same length. White printing gives instant terminal identification



A simple but effective cord grip securely holds the cable in connection units



Backboxes come with or without side knockouts. All boxes have a central knockout in the base for added on-site flexibility

## Socket Outlets

127V  
(NON UK)  
15 AMP



## Connection Units

SWITCHED  
FUSED  
13 AMP



**K2271ALM**  
1 GANG  
SHUTTERED  
(NON UK)

**K2272ALM**  
2 GANG  
SHUTTERED  
(NON UK)

Earth terminal fitted in box.

### DIMENSIONS

1 gang 86 x 86 x 47mm

2 gang 86 x 146 x 47mm

### KNOCKOUTS

1 gang 6 x 20mm.

Two in one side and one in each of other three sides. One in base

2 gang 8 x 20mm.

Three in top, two in bottom sides and one in each end. One in base

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.

SASO 2204:2003

5 **K963KOALM**  
DP WITH SECRET KEY OPERATED SWITCH, NEON AND TAMPERPROOF FUSE CARRIER SCREW\*

5 **K942ALM**  
DP SWITCHED

**K942D5ALM**  
DP SWITCHED WITHOUT BOX

**K962ALM**  
DP SWITCHED WITH NEON

**K962D6ALM**  
DP SWITCHED WITH NEON AND RED ROCKER

Earth terminal fitted in base of the box.

### DIMENSIONS

86 x 86 x 47mm

6 x 20mm.

Two in one side and one in each of other three sides, one in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.

BS 1363-4:1995

\* Secret Key - 3405ZIC found on page 223.

1 **K3042WHI**  
DP SWITCHED WITHOUT BOX

10 **K3062WHI**  
DP SWITCHED WITH NEON WITHOUT BOX

5

1

5

1

All units are supplied with backboxes (except WHI, D5 products and Blankplates)



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# Metalclad Plus™

WIRING DEVICES  
**SURFACE**

## Switches

UNSWITCHED  
FUSED  
13 AMP

10 AMP



K932ALM



K972ALM



K972D6ALM



K3072WHI



K954ALM



K983ALM



K989ALM



K986ALM



K3054WHI



K3086WHI



K3591ALM



K3592ALM



K3593ALM



K5252ALM



K3091WHI



K3092WHI

**K932ALM**  
DP SWITCHED  
WITH FLEX OUTLET  
**K972ALM**  
DP SWITCHED  
WITH FLEX OUTLET  
AND NEON  
**K972D6ALM**  
DP SWITCHED  
WITH FLEX OUTLET,  
NEON AND RED ROCKER  
**K3072WHI**  
DP SWITCHED  
WITH FLEX OUTLET  
AND NEON  
WITHOUT BOX

**5** **K954ALM**  
UNSWITCHED  
**5** **K983ALM**  
UNSWITCHED WITH NEON  
**5** **K989ALM**  
UNSWITCHED  
WITH FLEX OUTLET  
**1** **K986ALM**  
UNSWITCHED  
WITH FLEX OUTLET AND NEON  
**10** **DIMENSIONS**  
86 x 86 x 47mm  
**KNOCKOUTS**  
6 x 20mm.  
Two in one side and one in each  
of other three sides, one in base.  
Spare Boxes with and without  
knockouts are available.  
All boxes have a base knockout.  
BS 1363-4:1995

**5** **K3054WHI**  
UNSWITCHED  
WITHOUT BOX  
**5** **K3086WHI**  
UNSWITCHED WITH  
FLEX OUTLET AND NEON  
WITHOUT BOX  
**5** **MOUNTING BOX**  
1 gang K829ALM\* K899ALM  
(\*without side knockouts)  
All boxes have a base knockout

**10** **K3591ALM**  
1 GANG SP  
TWO WAY  
**10** **K3592ALM**  
2 GANG SP  
TWO WAY  
**K3593ALM**  
3 GANG SP  
TWO WAY  
**K5252ALM**  
20AX DP KEY  
OPERATED SWITCH

**DIMENSIONS**  
**Key Operated:** 86 x 86 x 51mm  
**Switch:** 86 x 86 x 47mm  
**SPARE BOXES**  
1 gang K829ALM\* K899ALM  
(\*without side knockouts)  
All boxes have a base knockout.  
BS 5733:2010

**SOCKET**  
BS 1363-2:1995  
**SWITCH**  
BS EN 60669-1:1999  
These switches do NOT have to be  
derated when used with fluorescent or  
inductive loads.  
An earth terminal is fitted in each box.  
**KNOCKOUTS**  
6 x 20mm  
Two in one side and one in each  
of other three sides, one in base.  
BS EN 60669-1:1999

**5** **K3091WHI**  
1 GANG SP  
TWO WAY  
WITHOUT BOX  
**5** **K3092WHI**  
2 GANG SP  
TWO WAY  
WITHOUT BOX  
**5** **MOUNTING BOX**  
1 gang K829ALM\* K899ALM  
(\*without side knockouts)  
All boxes have a base knockout

# Metalclad Plus™

mkelectric.co.uk



## Switches

WIDE ROCKERS  
10 AMP



K3781ALM



K3782ALM

## DP Switches

20 AMP



K5212ALM



K5232ALM



K3012WHI

32 AMP AND  
50 AMP



K5240ALM



K5230ALM

## Triple Pole

32 AMP AND  
10 AMP



K5116ALM



K2857ALM



K4858

## Euro Data Frontplates



K181ALM



K182ALM



K184ALM

**K3781ALM** 5  
1 GANG SP  
TWO WAY  
WITH WIDE ROCKER

**K3782ALM** 5  
2 GANG SP  
TWO WAY  
WITH WIDE ROCKERS

These switches do NOT have to be derated when used with fluorescent or inductive loads.

An earth terminal is fitted in each box.

**DIMENSIONS**  
86 x 86 x 47mm

**KNOCKOUTS**  
6 x 20mm.

Two in one side and one in each of other three sides, one in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.  
BS EN 60669-1:1999

**K5212ALM** 5  
DP SWITCH

**K5232ALM** 1  
DP SWITCH  
WITH NEON

**K5242ALM** 5  
DP SWITCH  
WITH FLEX OUTLET  
AND NEON

**K3012WHI** 10  
DP SWITCH  
WITHOUT BOX

Earth terminal fitted in base of box.

**DIMENSIONS**  
86 x 86 x 47mm

**KNOCKOUTS**  
6 x 20mm.

Two in one side and one in each of other three sides, one in base.

Spare Boxes with and without knockouts are available.

All boxes have a base knockout.  
BS EN 60669-1:1999

DP Switches are not recommended for switching large banks of PCs.

**K5240ALM** 5  
32A DP SWITCH  
WITH NEON

**K5230ALM** 1  
50A DP SWITCH  
WITH NEON

Earth terminal fitted in base of box.

**DIMENSIONS**  
K5240 86 x 86 x 65mm  
K5230 147 x 86 x 65mm

**KNOCKOUTS**

K5240 6 x 20mm. Two in one side and one in each of other three sides, one in base.

K5230 4 x 20mm, 4 x 25mm

**SPARE BOX**

K5240 K8901ALM

K5230 K8902ALM

All boxes have a base knockout.

BS EN 60669-1:1999

**K5116ALM** 1  
32A THREE POLE AND N SWITCH  
WITH NEON AND  
EARTH TERMINAL

**K2857ALM** 1  
10A THREE POLE FAN ISOLATOR  
WITH SWITCHLOCK  
AND PADLOCK

**K2859ALM** 1  
10A THREE POLE FAN ISOLATOR  
WITHOUT SWITCHLOCK

**K4858** 10  
SWITCHLOCK  
FOR FAN ISOLATOR

**K5116**

440V max. AC22, 12kW (16HP) & 415V, 3 phase 32A continuous duty.

Making capacity is 2000A peak.

Lockable 'ON' or 'OFF' with MK padlock no K2000.

**K2857**

For local isolation of fans with or without timers for repair or routine.

**DIMENSIONS**

K5116 147 x 86 x 65mm

K2857 86 x 86 x 47mm

**KNOCKOUTS**

K5116 4 x 20mm<sup>2</sup>, 4 x 25mm<sup>2</sup>

K2857 6 x 20mm<sup>2</sup>

**SPARE BOXES**

K5116 K8902ALM

K2857 K899ALM, K829ALM

BS EN 60947-3:1999

BS EN 60669-2-4 (K2857)

**K181ALM** 5  
1 GANG EURO FRONTPLATE  
ONE MODULE  
APERTURE SIZE 25 X 50MM

**K182ALM** 5  
1 GANG EURO FRONTPLATE  
TWO MODULE  
APERTURE SIZE 50 X 50MM

**K184ALM** 1  
2 GANG EURO FRONTPLATE  
FOUR MODULE  
APERTURE SIZE 100 X 50MM

**MOUNTING BOXES**

Mounting Box is not supplied with frontplate.

Suitable for flush boxes to BS 4662:2006 and surface boxes to BS 5733:2010 Refer to appropriate module for minimum box depth.

**FIXING CENTRES**

1 gang 60.3mm

2 gang 120.6mm

**STANDARDS**

BS 5733:2010 where appropriate

**NOTE**

No grid required, modules just clip into place.

All units are supplied with backboxes (except WHI, D5 products and Blankplates)

All units are supplied with backboxes  
(except WHI, D5 products and Blankplates)



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**SURFACE**

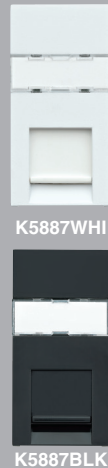
## Euro Power Modules

## Euro Datacom Modules

RJ11/12

RJ45 CAT 6

RJ45 CAT 5e



**K3182WHI** 1  
1 GANG EURO FRONTPLATE  
TWO MODULE APERTURE SIZE 50 X 50MM

**K3184WHI** 1  
2 GANG EURO FRONTPLATE  
FOUR MODULE APERTURE SIZE 100 X 50MM

**MOUNTING BOXES**  
Mounting Box is not supplied with frontplate.  
Suitable for flush boxes to BS 4662:2006 and surface boxes to BS 5733:2010 Refer to appropriate module for minimum box depth.

**FIXING CENTRES**  
1 gang 60.3mm  
2 gang 120.6mm

**STANDARDS**  
BS 5733:2010 where applicable

**NOTE**  
No grid required, modules just clip into place.

**K5830WHI** 10  
**K5830BLK** 10  
UK 1 GANG EURO 2 MODULE  
13A 250V SHUTTERED

**K5831WHI** 10  
**K5831BLK** 10  
GERMAN 2P+E  
16A 250V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5832WHI** 10  
**K5832BLK** 10  
AMERICAN 2P+E  
15A 127V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5830**  
MOUNTING BOX  
35mm  
46mm (for extra wiring space)

**DIMENSIONS**  
50 x 50mm  
BS 1363-2:1995

**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** 10  
**K5833BLK** 10  
UK 1 GANG EURO 2 MODULE  
5A 250V SHUTTERED

**K5834WHI** 10  
**K5834BLK** 10  
FRENCH/BELGIAN 2P+E  
16A 250V SHUTTERED  
EURO 2 MODULE (NON UK)

**K5837WHI** 1  
**K5837BLK** 1  
USB CHARGING MODULE  
EURO 2 MODULE

**K5833**  
MOUNTING BOX  
35mm  
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)

**K5887WHI** 5  
**K5887BLK** 5  
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

**DIMENSIONS**  
50 x 50mm  
Features 2 charging sockets each delivering 1A charging current at 5Vdc (total 2A max). Allows charging of portable devices via USB 2.0 type A plug.  
IEC 60950-1  
IEC 61000-6-1/3

**K5846WHI** 5  
**K5846BLK** 5  
RJ45 CAT 6  
ONE MODULE 25 X 50MM

**K5846SWHI** 5  
**K5846SBLK** 5  
RJ45 CAT 6 SCREENED  
ONE MODULE 25 X 50MM

**K5864WHI** 5  
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** 5  
RJ45 CAT 5e ANGLED  
ONE MODULE 25 X 50MM

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

Enhanced Cat 5 performance.  
Suitable for both 568A and 568B wiring schemes.

**MOUNTING BOXES**  
Minimum box depth 25mm standard  
ISO/IEC 11801  
EN 50173  
TIA 568  
EN 41003

For the full range of euro modules see Logic Plus pages 46-48



# Metalclad Plus™

## Euro Datacom Modules

### TELEPHONE



K5820WHI



K5821WHI



K5821BLK

**K5820WHI**  
**K5820BLK**  
 TELEPHONE MASTER  
 ONE MODULE 25 X 50MM  
**K5821WHI**  
**K5821BLK**  
 TELEPHONE SECONDARY  
 ONE MODULE 25 X 50MM

**MOUNTING BOXES**  
 Minimum depth 25mm  
 BS 6312-2

### BNC



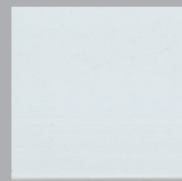
K5801WHI

**5** **K5801WHI**  
 BNC 50Ω  
 ONE MODULE 25 X 50MM

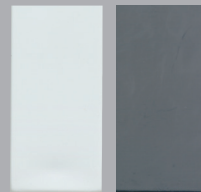
50 Ohm crimp connector suitable for use with RG58, URM43, URM76 and Beldon 9907 type co-axial cables.

**MOUNTING BOXES**  
 Minimum box depth 25mm

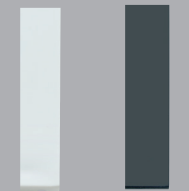
### BLANKS



K180WHI



K188WHI K188BLK



K186WHI K186BLK

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

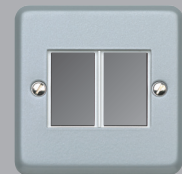
**K188WHI**  
**K188BLK**  
 ONE MODULE  
 BLANK 25 X 50MM

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

BS 5733:2010 where applicable

## LJU6C Data Frontplates

### FRONTPLATES



K172ALM

**10** **K172ALM**  
 1 GANG TWIN  
 LJU6C FRONTPLATE  
 TWO MODULE  
 APERTURE SIZE  
 22 X 37MM

**MOUNTING BOXES**  
 Suitable for flush boxes to BS 4662:2006 and surface boxes to BS 5733:2010  
 Refer to appropriate module for minimum box depth.

**FIXING CENTRES**  
 1 gang 60.3mm  
 BS 5733:2010 where appropriate

#### NOTE

No grid required, modules just clip into place

**5**

For the full range of euro modules see Logic Plus pages 46-48



Technical Hotline  
+44 (0)1268 563720

# Metalclad Plus™

WIRING DEVICES  
**SURFACE**

## LJU6C Datacom Modules

RJ11/12



K5787WHI

RJ45 CAT 6



K5746WHI



K5746BLK



K5746SWHI



K5746SBLK

RJ45 CAT 5e



K5745WHI

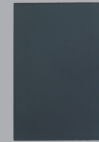


K5745BLK

BLANKS



K170WHI



K170BLK

### K5787WHI

RJ11/12  
ONE MODULE

Suitable for both RJ11 and RJ12 jacks.

**RJ11**

4 wire

**RJ12**

6 wire

**MOUNTING BOXES**

Minimum box depth 25mm

FCC68

EN41003

5

### K5746WHI

### K5746BLK

RJ45 CAT 6  
ONE MODULE

### K5746SWHI

### K5746SBLK

RJ45 CAT 6  
SCREENED  
ONE MODULE

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

5

### K5745WHI

5

### K5745BLK

RJ45 CAT 5e  
ONE MODULE

5

Enhanced Cat 5 performance.

Suitable for both 568A and 568B wiring schemes.

**MOUNTING BOXES**

Minimum box depth 25mm

ISO/IEC 11801

EN 50173

TIA 568

EN 41003

5

### K170WHI

5

### K170BLK

ONE MODULE BLANK

BS 5733:2010 where appropriate

10

10

## Metalclad Plus™

## Boxes

## Blank Plates

Grid Plus  
Frontplates

K829ALM



K897ALM



K3390ALM



K3492ALM



K3491WHI



K830ALM



K897WHI



K3390WHI



K3494ALM



K3492WHI



K899ALM



K3369ALM



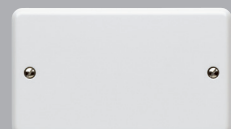
K3502ALM



K3493WHI



K899WHI



K3369WHI



K3494WHI

**K829ALM** 5  
1 GANG  
WITHOUT KNOCKOUTS

**K830ALM** 5  
2 GANG  
WITHOUT KNOCKOUTS

**K899ALM** 10  
**K899WHI** 10  
1 GANG  
6 X 20MM KNOCKOUTS

All boxes are fitted with a brass earth terminal and a base knockout.

## DIMENSIONS

1 gang 86 x 86 x 38mm  
2 gang 86 x 147 x 38mm

These boxes are not suitable for mounting Grid Plus modules or modular data/telecom modules.  
BS 5733:2010

**K897ALM** 5  
**K897WHI** 5  
2 GANG  
8 X 20MM KNOCKOUTS

**K3390ALM** 5  
**K3390WHI** 5  
1 GANG

**K3369ALM** 5  
**K3369WHI** 5  
2 GANG

## DIMENSIONS

K3390 86 x 86mm  
K3369 86 x 147mm

## FIXING CENTRES

K3390 60.3mm

K3369 120.6mm

BS 5733:2010

Blank plates supplied without backboxes.

**K3491ALM** 10  
1 MODULE

**K3492ALM** 10  
2 MODULE

**K3493ALM** 5  
3 MODULE

**K3494ALM** 5  
4 MODULE

**K3496ALM** 1  
6 MODULE

**K3498ALM** 1  
8 MODULE

**K3499ALM** 1  
9 MODULE

**K3502ALM** 1  
12 MODULE

**K3508ALM** 1  
18 MODULE

**K3514ALM** 1  
24 MODULE

## DIMENSIONS

1 & 2 module 86 x 86mm

3 & 4 module 86 x 146mm

6 & 8 module 146 x 146mm

9 & 12 module 146 x 206mm

18 module 206 x 206mm

24 module 206 x 266mm

BS 5733:2010

See Grid Plus page 189 for a complete selection of switching modules.



Technical Hotline  
+44 (0)1268 563720

# Metalclad Plus™

WIRING DEVICES  
**SURFACE**

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

## Echo™ Transmitters

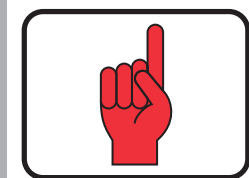
1 AND 2 CHANNEL TRANSMITTERS FOR ECHO™



**WIRELESS**



**BATTERYLESS**



**SELF-POWERED**



K3786ALM



K3786WHI



K3787ALM



K3787WHI

### 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.

### 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.

For more information on Echo™, please see the Echo™ section page 21.

<b>K3786ALM</b>	<b>1</b>
<b>K3786WHI</b>	<b>1</b>
1 CHANNEL SWITCH TRANSMITTER FOR ECHO™	
<b>K3787ALM</b>	<b>1</b>
<b>K3787WHI</b>	<b>1</b>
2 CHANNEL SWITCH TRANSMITTER FOR ECHO™	

OPERATING FREQUENCY  
868.3 Mhz  
IP RATING  
IP2 x D  
DIMENSIONS  
86 x 86mm  
BS EN 60669-1  
BS EN 60669-2-1  
ETSI EN 301 489-1+ -3  
ETSI EN 300 220-3