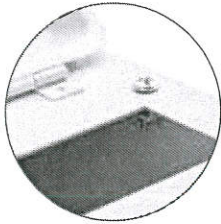


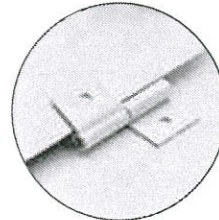
Sentry

MK Sentry Consumer Unit Features and Benefits



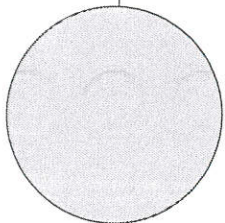
NEW: Manufactured from Zintec Steel

Corrosion resistant material which ensures full compliance with 17th Edition Amendment 3



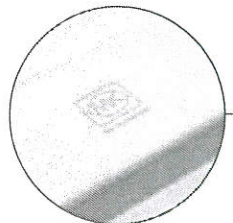
NEW: Top Hinged Door

Prevents door being left open after use leading to a possible fire risk



NEW: Multiple extra large knock outs

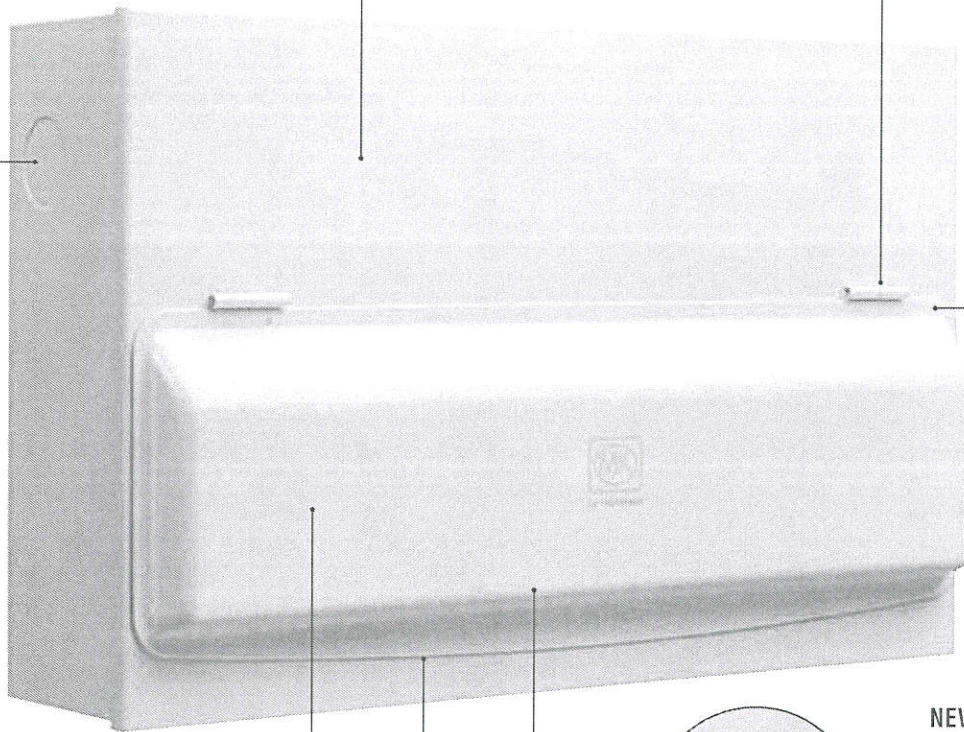
Aides and eases installation



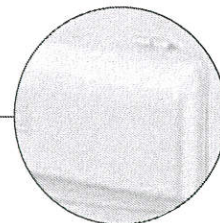
NEW: MK White Colour

Modernised aesthetics for visible installations.

Design service available for bespoke requests



Broad Selection Available
Suits a variety of applications



Curved Stylish Design
Blends into the environment

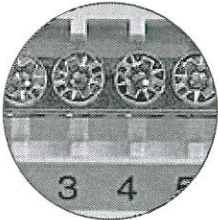
NEW: Continual Earthing

Only need to earth once via the base

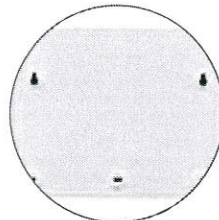


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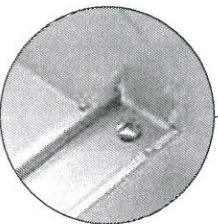
Sentry



Backed out and captive
combi-head screws
Allows simple and speedy installation

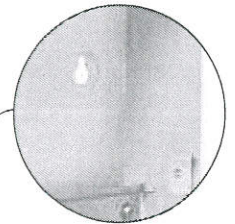


Fixing holes
Tripod fixing to cope
with uneven surfaces

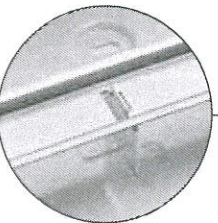


Easily removable Din Rail
Simplifying and easing first fix

Colour coded earth and
neutral terminal locked
At top of unit for ease of wiring

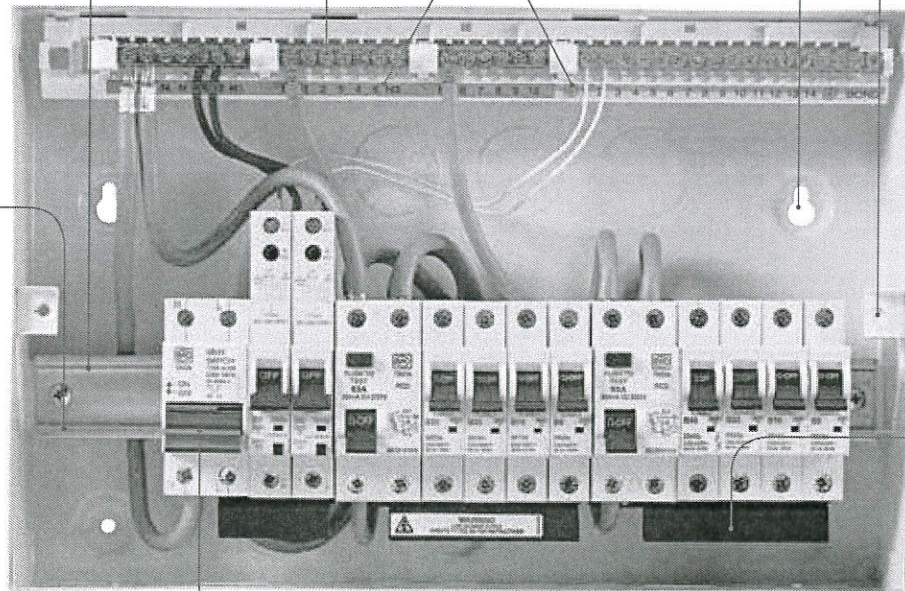


NEW: 10mm
Increased Height
Additional wiring space



NEW: Supporting
Din Rail
"T" Bar

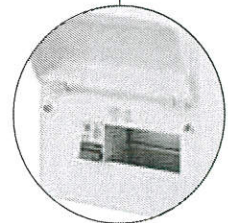
Additional support
to prevent bowing
and twisting which
has been raised for
improved cable routing



Floating busbar system
For maximum
installation flexibility
including acceptance
of control modules

CONSUMER UNIT SELECTION GUIDE

STEP 1	Determine the type of consumer unit configuration required. e.g Split Load, Standard or combination of split load / single RCD or dual RCD. For each Switch Disconnector or RCD to be used allow 2 modular ways.
STEP 2	Determine the number of outgoing circuits required. e.g Cooker, Lighting, Ring Main etc. For each circuit to be protected by an MCB or RCBO allow 1 modular way.
STEP 3	Determine what control products are required. e.g Bell Transformer, Time Delay Switch, contactors, timeswitches etc.
STEP 4	Determine the number of 'spare' modular ways required for future upgrades. For each 'spare' modular way select 1 Sentry blank module – 5544s or K5545sMAG (cover mounted blanks supplied with consumer units. See page 286).
STEP 5	Now add together the total number of modular ways required.
STEP 6	Select from our range of Insulated, Metal, Flush or stacked consumer units (using standard consumer units plus stacking kits). Choose the type and size most appropriate for your requirements.



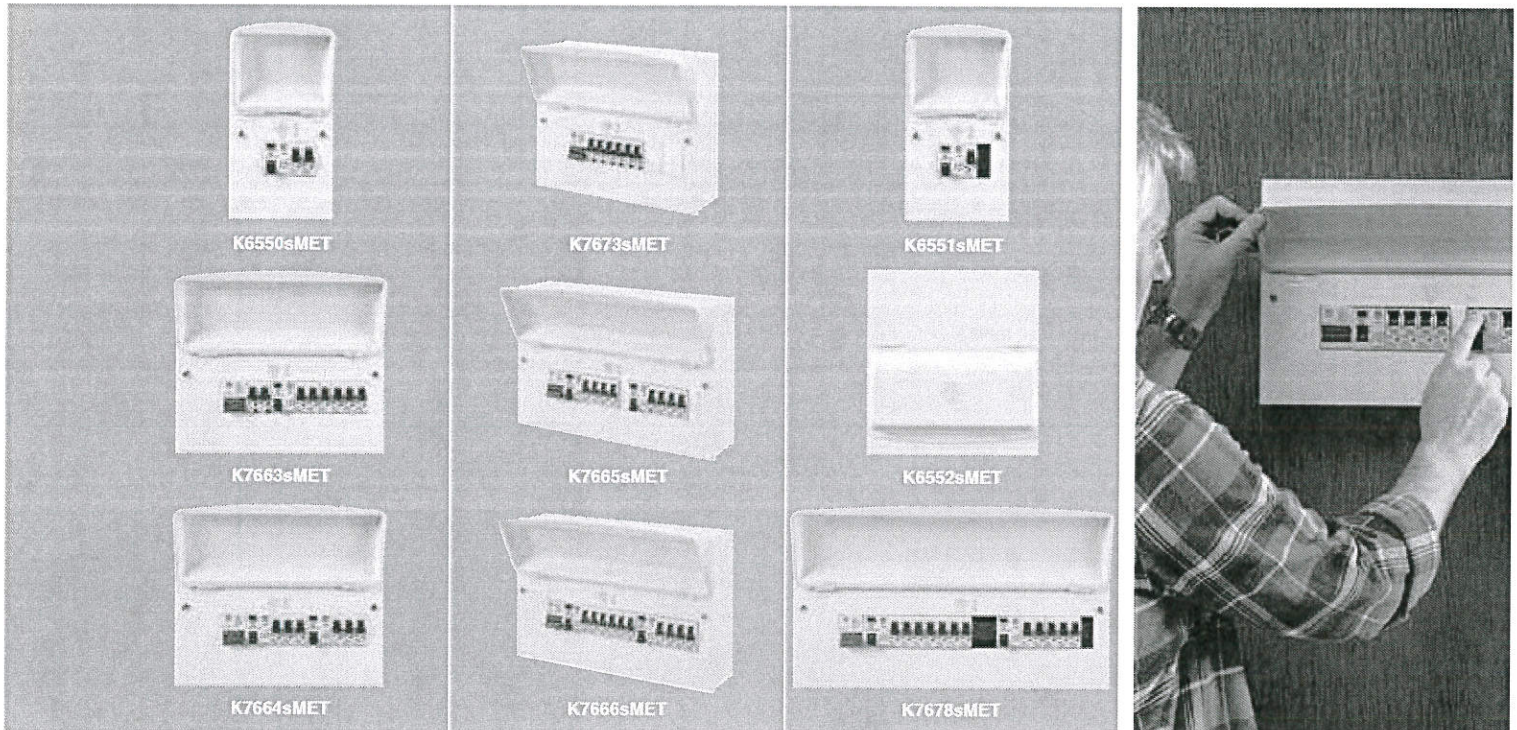
Offset Incomer
Provides additional wiring
space making mains input
connections easier



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Sentry

FULLY POPULATED
ARRANGEMENTS
METAL
SURFACE



<p>K6550sMET 1 4 WAY ENCLOSURE 63A 30mA RCD 2 X MCB'S (1 X 6A & 1 X 16A)</p> <p>K7663sMET 1 12 WAY ENCLOSURE 100A SWITCH DISCONNECTOR 63A 30mA RCD 6 X MCB'S (2 X 6A, 2 X 16A & 2 X 32A) 2 X RCBO'S (1 X 6A & 1 X 40A)</p> <p>K7664sMET 1 12 WAY ENCLOSURE 100A SWITCH DISCONNECTOR 2 X 63A 30mA RCD'S 6 X MCB'S (2 X 6A, 1 X 16A, 2 X 32A & 1 X 40A)</p>	<p>K7673sMET 1 12 WAY ENCLOSURE 100A SWITCH DISCONNECTOR 6 X RCBO'S (2 X 6A, 1 X 16A, 2 X 32A & 1 X 40A) ACCEPTS A FURTHER 4 ONE MODULE PRODUCTS</p> <p>K7665sMET 1 16 WAY ENCLOSURE 100A SWITCH DISCONNECTOR 2 X 63A 30mA RCD'S 8 X MCB'S (2 X 6A, 2 X 16A, 3 X 32A & 1 X 40A) ACCEPTS A FURTHER 2 ONE MODULE PRODUCTS</p> <p>K7666sMET 1 16 WAY ENCLOSURE 100A SWITCH DISCONNECTOR 2 X 63A 30mA RCD'S 10 X MCB'S (3 X 6A, 2 X 16A, 4 X 32A & 1 X 40A)</p>	<p>K6551sMET 1 4 WAY ENCLOSURE 63A 30mA RCD 1 X MCB (1 X 50A)</p> <p>K6552sMET 1 8 WAY ENCLOSURE 63A 30mA RCD 6 X MCB'S (3 X 6A, 1 X 16A & 2 X 20A)</p> <p>K7678sMET 1 21 WAY ENCLOSURE 1 X 63A & 1 X 80A 30mA RCD'S 12 X MCB'S (3 X 6A, 2 X 16A, 2 X 20A, 4 X 32A & 1 X 40A) ACCEPTS A FURTHER 3 ONE MODULE PRODUCTS</p>
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All units are white coloured.
All units are pre-fitted with a switch disconnecter and RCD together with all the necessary split-load cabling. The flexibility of design allows the RCD to be positioned to suit the required configuration of RCD protected and non-protected circuits, subject to the rating of either the switch or RCD not being exceeded.

MK recommends the use of RCBO's for non RCD protected circuits to comply with the 17th Edition Amendment 3 Wiring Regulations.

DIMENSIONS:	Width	Height	Depth
4 WAY	144 x	244 x	116mm
8 WAY	238 x	244 x	116mm
12 WAY	310 x	244 x	116mm
16 WAY	382 x	244 x	116mm
21 WAY	472 x	244 x	116mm

MAIN INCOMER RATING:

4 way enclosures: 63A
8, 12, 16 & 21 way enclosures: 100A
Degree of protection to BS EN 60529 to IP2XC.
Precautions must be taken to maintain the IP rating, e.g. Use of cable glands and knockouts.
BS EN 61439-3



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Sentry Technical

TECHNICAL SPECIFICATION

ELECTRICAL (WEATHERPROOF ENCLOSURES ONLY)

MAXIMUM CURRENT RATING
5702s 2 pole devices up to 100A
5704s 4 pole devices up to 63A

Note:
5702s – Can accept up to 4 module ways with removal of moulded blanks.

5704s – Can accept up to 8 module ways with removal of moulded blanks.

TERMINAL CAPACITY
5702s: 4 x 6mm² earth and neutral
5704s: 2 x 6mm² and 6 x 4mm² earth and neutral.

RATED OPERATIONAL VOLTAGE
220-415V

RATED INSULATION VOLTAGE
660V

TECHNICAL SPECIFICATION

PHYSICAL

AMBIENT OPERATING TEMPERATURE
-5°C to +40°C (not to exceed an average of more than +35°C in any 24 hour period)

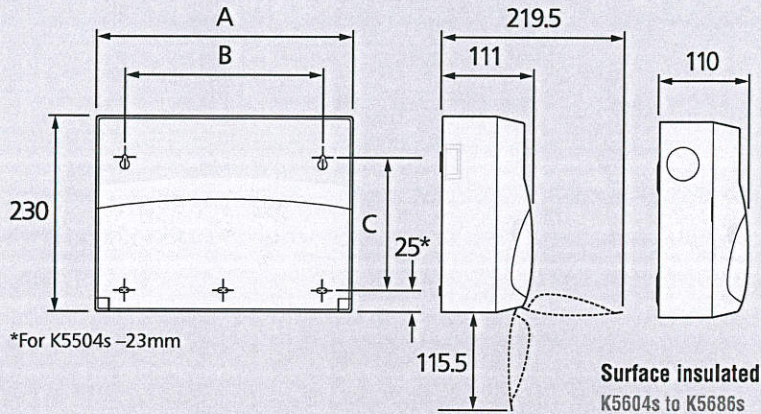
IP ratings: (see also 'Service Conditions', below)

CONSUMER UNIT	IP2XC
2 module enclosure 5502s	IP3X
2 module enclosure 5702s	IP65
2 module enclosure K5592s	IP30
4 module enclosure 5504s	IP3X
4 module enclosure 5604s	IP3X
4 module enclosure 5704s	IP65
Max. installation altitude	2000m

Dimensions (mm)

Note: Knockout details on following page

Consumer unit



SURFACE INSULATED K5604S / K5686S

UNIT	MODULES	DIMENSIONS		
		A	B	C
SURFACE INSULATED	4	140	70	156
	8	234	164	156
	12	306	236	156
	16	378	308	156
	21	468	398	156



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Wiring Devices Technical

13A Connection Units, 20A Switches and Flex Outlets

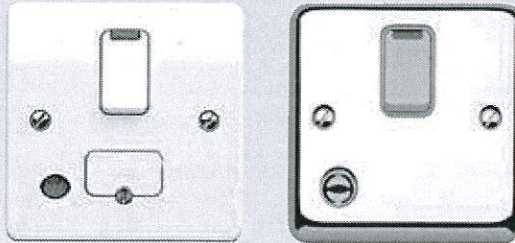
Standards and approvals

All Connection Units comply with BS 1363-4:1995.

All 20A DP Switches comply with BS EN 60669-1:1999.

Flex Outlet complies with BS EN 60670-22:2006.

Fuses comply with BS 1362:1973.



TECHNICAL SPECIFICATION

ELECTRICAL

VOLTAGE RATING
250V a.c.

CURRENT RATING
Connection Units: 13A
DP switches: 20A
Flex outlets: 20A

TERMINAL CAPACITY
Supply terminal:
2 x 6mm² stranded
2 x 4mm²
3 x 2.5mm²

Load terminals:
2 x 6mm² stranded
2 x 4mm²
3 x 2.5mm²

CORD GRIP CAPACITY
Connection units:
min: 2 core, 0.5mm
max: 3 core, 1.5mm

20A DP switches & flex outlet plate:
min: 3 core, 1.5mm
max: 3 core, 2.5mm

PHYSICAL

AMBIENT OPERATING TEMPERATURE
-5°C to +40°C

IP RATING
With flex outlet: IP2XD
Without flex outlet: IP4X

MAX. INSTALLATION ALTITUDE
2000 metres

Description

A range of 13A fused connection units and 20A DP switches designed for the connection of refrigerators, water heaters, central heating boilers and other fixed appliances.

The ranges are designed for ease of installation and have the advantageous design features of the MK range of wiring devices.

Neon indicators

Products are available with Neon indicators included in the rockers of the switched connection units. In the case of unswitched units, they are positioned centrally and uppermost on the face plate. Neon indicators are integrally wired into the product and do not require separate connection when installing. The design gives 175° visibility in the horizontal and vertical planes.

Fuse carriers

These are captive and are opened by a fast acting, screwdriver operated worm drive for ease of replacement. A tamper-proof version is also available.

Fuse carriers can be locked open using a padlock, List No. K2000.

Flex outlets

Bottom outlet types are supplied with blanking plug allowing use where the bottom outlet is not required.

The products are equipped with very strong, push-fit nylon cord grips making installation safe, quick and easy.

Flex outlet plate

An unfused flex outlet with cord grip and 3 pairs of terminals.

Installation

Wiring

Products must be installed in accordance with current IET Regulations.

Changing Fuses

1. Unscrew the fuse carrier screw to partially eject the carrier.
2. Carefully lever the carrier out further to remove the fuse.
Note: The carrier does not come fully out.
3. Always replace with a BS 1362 type fuse (as used in 13A plugs) of the correct rating.
4. Consistent fuse blowing could mean a faulty appliance. If in doubt, consult a qualified electrician.
5. Push carrier back until engaging with jacking screw. Screw the carrier down until flush with surface of the plate. Do not over tighten the screw.

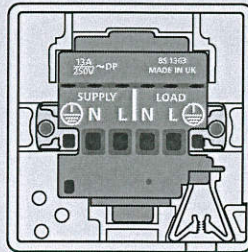
Wiring Devices Technical

13A Connection Units, 20A Switches and Flex Outlets

FEATURES

- Optional indicators in the switch rockers with 175° visibility in the horizontal and vertical planes
- Worm-drive operated fuse carriers for additional security (tamper-proof version available)
- Fuse carrier lockable in open position
- All supply and load cables can be cut and stripped to the same length
- Integrally wired Neon indicators save installation time
- Push-fit cord grips, for safer, quicker installation
- Angled, top mounted terminal screws simplify wiring
- Moulded 'on' indicator flash on switches cannot rub off – totally safe
- Captive fuse carrier
- Additional electrical safety from DP Switch, neutral 'make first', 'break last' feature
- Secure cable and flexible cord connection
- All terminal and fixing screws operated by one-size (4mm) screwdriver
- Backed out and captive terminal screws

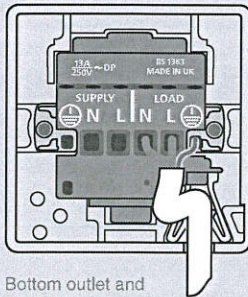
Note: These switches are not recommended for switching large banks of PCs



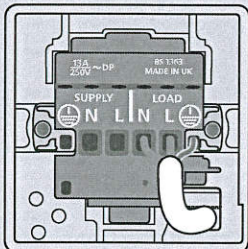
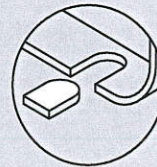
Supply and load cable cords cut and stripped to same length



Blanking plug for bottom outlet



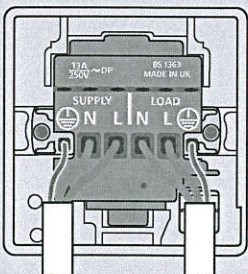
Bottom outlet and cord grip



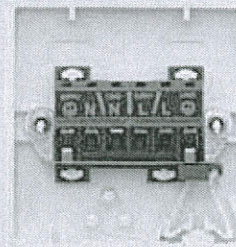
Front outlet cord grip



Lockable fuse carrier



Supply and non flexible load cables



K1090WHI Flex Outlet