



The Sentry range of Consumer Units from MK Electric has been stylishly designed to blend in with its environment. The curved lines and slim-line appearance mean it won't look out of place when installed in hallways, lounges or kitchens of new properties. The range expanded includes a 21-module unit for larger installations and also a 4-module unit to cater for small one-off installations and extensions to existing ones.

Attractive design

Curved lines, low profile appearance and magnolia colour let the unit blend with its environment. Available in 4 to 21 module sizes

Flush mounting versions

Flush mounting available for even neater installations

Protective lid

Opaque and downward opening lid conceals protective devices and unsightly labelling

Floating busbar system

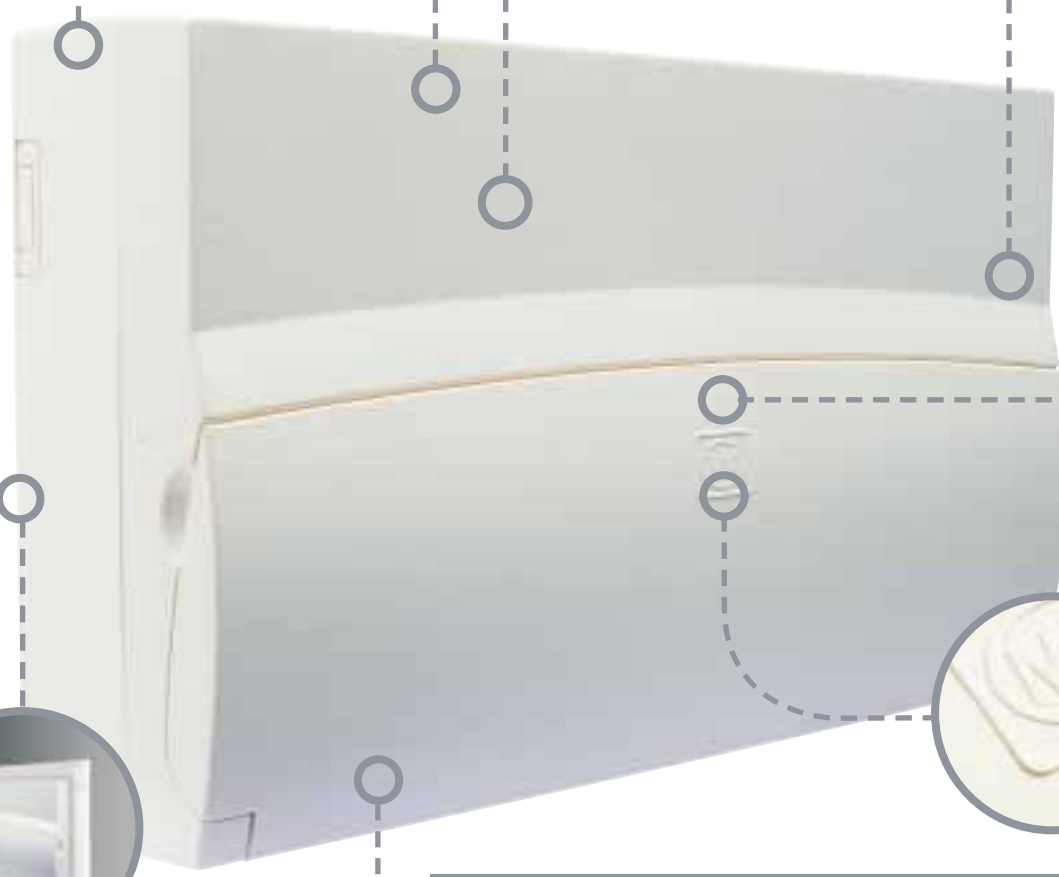
Gives maximum installation flexibility

Broad selection of pre-assembled split load units available

Suits a variety of applications and saves installation time

Stacking options

For larger installations dual rail 24, 32 and 42 module units possible in both insulated and metal



UNITS CAN BE STACKED FOR LARGER INSTALLATIONS

COMPACT SIZE
But wiring space increased where required most

MAGNOLIA COLOUR
Helps keep the unit unobtrusive

LOW PROFILE AND CURVED DESIGN
Blends unobtrusively into the environment

OPTIONAL LOCKING MECHANISM

DISCREET MOULDED IN LOGO
No visible fixing screws

FLUSH MOUNTABLE OPTIONS
For an even neater installation

OPAQUE AND DOWNWARD OPENING LID
Hides unsightly labels and devices

CONSUMER UNIT SELECTION GUIDE

STEP 1 Determine the type of consumer unit configuration required. e.g Split Load, Dual Tariff, Standard or combination of split load / dual tariff. 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 K5545s (cover mounted blanks supplied with consumer units. See page 227).

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.



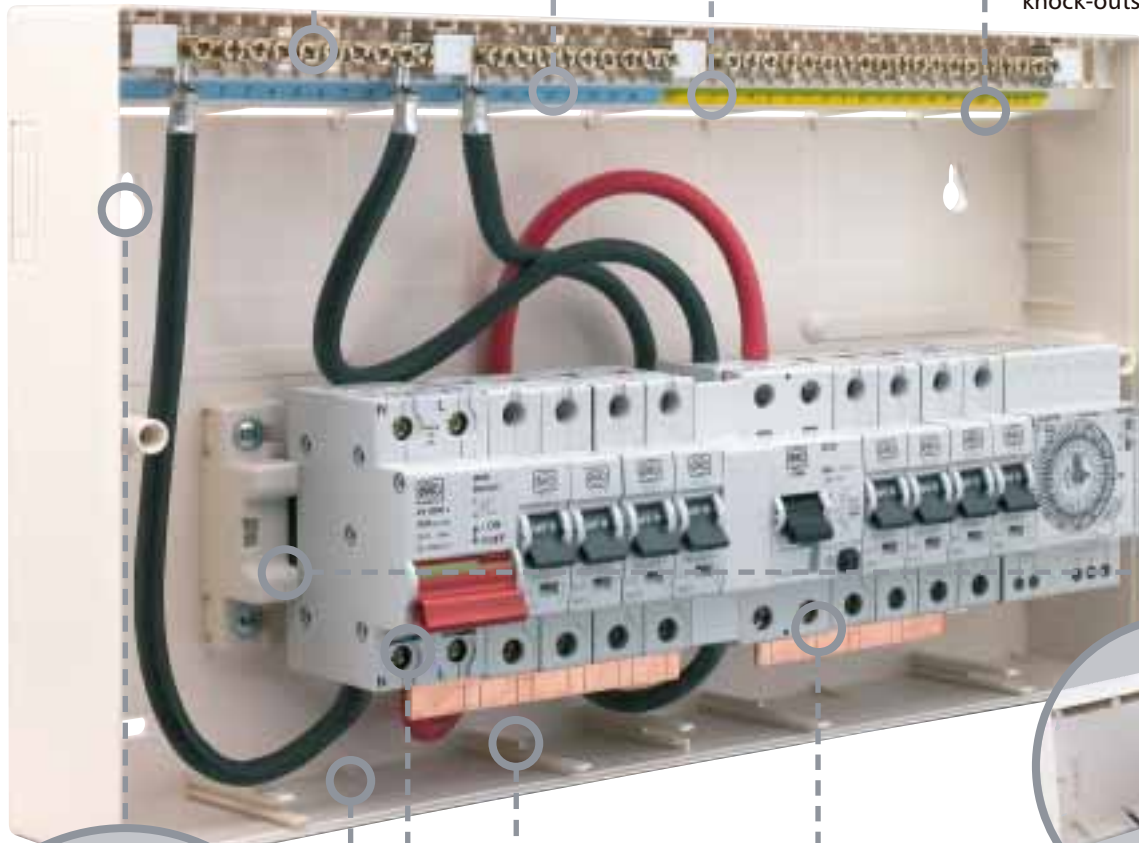
BACKED OUT AND CAPTIVE COMBI-HEAD SCREWS
Allows speedy installation



COLOUR CODED EARTH AND NEUTRAL TERMINAL LOCATED AT TOP OF UNIT FOR EASE OF WIRING



AMPLE 360° KNOCK-OUTS FOR CABLE ROUTING
Open cable entry at rear plus optional rear knock-outs



EASILY REMOVABLE DIN-RAIL
Improves first fix



FIXING HOLES
Allow tripod fixing to cope with uneven surfaces. Hole locations allow access for cordless drills and power drivers

RAISED DIN-RAIL
For improved cable routing

OFFSET INCOMER
Provides additional wiring space making mains input connections easier

AMPLE WIRING SPACE

FLOATING BUSBAR SYSTEM
For maximum installation flexibility including acceptance of control modules



Selection Chart

Switch
DisconnecterMCB
Single
Pole
Type B

Type C

RCBO
with Solid
Neutral
Type BRCD
110V
Double
PoleRCD
230V
Double
Pole

30mA

10mA

30mA

10mA

30mA

MODULES

TWO

ONE

ONE

ONE

TWO

TWO

TWO

TWO

RATING



3A

5903s

8703s

6A

5906s

8706s

6932s

10A

5910s

8710s

6933s

16A

5916s

8716s

6934s

6016s

6416s

6316s

5716s

20A

5920s

8720s

6935s

25A

32A

5932s

8732s

6936s

6032s

6730s

40A

5940s

8740s

6937s

5740s

45A

5945s

6938s

50A

5950s

8750s

6939s†

63A

5560s

5760s

80A

5780s

100A

5500s

7700s

† available early 2004

SPLIT-LOAD
CONFIGURATION

A full range of pre-assembled units are available, however if they do not fit your requirements, Sentry Consumer units can be configured to numerous split-load or multi-incomer configurations, by cutting the floating busbar and removing the 'U' links between the terminal bars.

The maximum number of switched or RCD ways available to a Consumer unit is dependent on the neutral terminal bar arrangement. eg. K5621s can become a split-load board by removing one 'U' link between neutral bars and having up to 14 ways switched and up to 3 ways protected by the RCD, or up to 17 ways protected and up to 3 ways switched.

TERMINAL BAR CONFIGURATION

List no	Modules (empty)	Earth Terminals		Neutral Terminals		Max no. of circuits with switch disconnecter or RCD as incomer	Total no. of circuits with split load / dual tariff	Max no. of circuits on main switch	Max no. of circuits on RCD or 'off-peak'	Max no. of circuits on split load / dual tariff
		Circuits	Bond	Total	Separate Blocks					
Insulated										
K5604s	4	4	1	4		2				
K5608s	8	8	2	8		6				
K5612s	12	12	2	12	2x6***	10	8	6*	6*	
K5616s	16	16	2	16	2x8***	14	12	8*	8*	
K5621s	21	21	2	21	3x7***	19	17	7 or 14**	7* or 14**	1x7, 1x7, 1x7*
Metal										
K5504s	4	4	1	4		2				
K5508s, K6508s	8	8	3	8		6				
K5512s, K6512s	12	12	3	12	2x6***	10	8	6*	6*	
K5516s, K6516s	16	16	3	16	2x8***	14	12	8*	8*	
K5521s, K6521s	21	21	3	21	3x7***	19	17	7 or 14**	7* or 14**	1x7, 1x7, 1x7*

* Combined number of circuits must not exceed number in total column. ** Dependant on which U link is removed. *** Separate blocks connected by removable U links.

100mA		300mA		RCD Pulsating DC Fault Current Sensitive		RCD Time Delayed 230V Double Pole		RCD 230/400V Four Pole		Note: Only suitable as standalone devices, in Sentry four module enclosures and Commando Combi	
100mA	300mA	10mA	30mA	100mA	30mA	100mA	300mA				
TWO		TWO		TWO		TWO		FOUR			
										RATING	
										3A	
										6A	
										10A	
				6216s	6716s					16A	
										20A	
								6425s		25A	
										32A	
								6440s	6240s	40A	
										45A	
										50A	
6160s	5860s			5660s				6463s	6363s	6263s	63A
6180s	5880s					6980s					80A
6600s	7800s					6400s					100A



TO BUILD A SPLIT-LOAD CONSUMER UNIT
e.g. 4+4 split-load

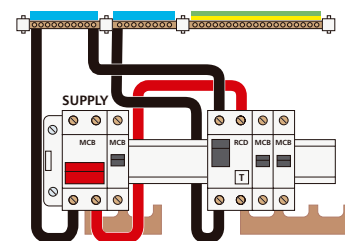
Requires:

- K5612s** Insulated Consumer unit, 12 mod
- K5563s** Split-load cable kit
- 5500s** Switch Disconnecter
- 5780s** RCD, 80A 30mA

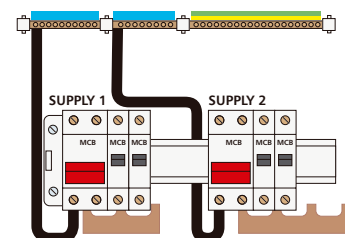
Select up to 8 MCBs.

CABLE KITS DIAGRAM

Split-load configuration



Multi-Incomer configuration



TO BUILD A MULTI-INCOMER CONSUMER UNIT

Requires:

- K5512s** Metal Consumer Unit, 12 mod
- K5565s** Multi-Incomer cable-kit
- 2 x 5500s** Switch Disconnecter, 100A

Consumer Units

METAL
SURFACE

K5504s



K5508s



K5512s



K5516s



K5521s



K6063s



K5561s

K5504s
ACCEPTS 4
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)

K5508s
ACCEPTS 8
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)



K5512s
ACCEPTS 12
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)



K5516s
ACCEPTS 16
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)



K5521s
ACCEPTS 21
ONE MODULE PRODUCTS
(3 INTEGRAL NEUTRAL BARS
FITTED WITH LINKS)



K6061s
SUITABLE FOR USE WITH
12 MODULE UNITS



K6062s
SUITABLE FOR USE WITH
16 MODULE UNITS



K6063s
SUITABLE FOR USE WITH
21 MODULE UNITS



K5561s
CABLE KIT FOR STACKED
SENTRY UNITS



All units are magnolia coloured.

All units feature an enclosure box of welded construction finished in a tough coating of polyester epoxy paint containing ample knockouts in top, bottom, side and rear surfaces.

The units have an impact resistant, flame retardant, thermoplastic cover and lid.

Dual rail units are available for the 12, 16 and 21 module units to enable single tariff and split load (up to 80A) using Stacking Kits K6061s, K6062s and K6063s respectively in between the units.

Degree of Protection to BS EN 60529 to IP2X C

Precautions must be taken to maintain the IP rating, e.g. use of cable glands and knockouts BS EN 60439-3: 1991/A1: 1994

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5504s:	140	x 230	x 110mm
K5508s:	234	x 230	x 110mm
K5512s:	306	x 230	x 110mm
K5516s:	378	x 230	x 110mm
K5521s:	468	x 230	x 110mm

Thickness of all Stacking Kits: 15mm

Main incomer maximum rating
K5604s and K5504s: 63A

All other consumer units: 100A

Cover mounted blanks are supplied with
ALL consumer units
(2 off x 1 for 4, 8 and 12 module and
2 off x 2 for 16 and 21 module)



Assembly using a stacking kit

Stacking Kits

FOR METAL AND INSULATED
CONSUMER UNITS

DUAL RAIL UNITS CAN BE CREATED USING 12, 16 AND 21 MODULE UNITS AND THE APPROPRIATE STACKING KIT.

Ideal for large applications or if additional capacity is required or for dual tariff applications.

K6061s, K6062s, K6063s
Enables two consumer units to be stacked (joined together) to form one integral consumer unit. Includes frame nuts, bolts and earth cable (for bonding earth terminal bars together).

Knockout holes in the base and top of consumer units align, allowing cables to pass through easily.

K5561s
Includes 3 cables (2 neutral and 1 live) for use when electronically connecting the upper and lower units of a stacking assembly for either main incomer or split load arrangements.

This kit must be used to ensure compliance with BS EN60439-3.

Consumer Units

INSULATED SURFACE

METAL FLUSH



K5604s



K5612s



K6508s



K6516s



K5608s



K5616s



K6512s



K6521s



K5621s

K5604s

ACCEPTS 4
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)

1

K5608s

ACCEPTS 8
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)

1

All units are magnolia coloured.

All units feature a robust base together with an all over front cover moulded in an impact resistant, flame retardant thermoplastic and a polycarbonate lid. Cable entry points are located on top, bottom, side and rear surfaces.

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5604s:	140	x 230	x 110mm
K5608s:	234	x 230	x 110mm
K5612s:	306	x 230	x 110mm
K5616s:	378	x 230	x 110mm
K5621s:	468	x 230	x 110mm

Main incomer maximum rating
K5604s and K5504s: 63A

All other consumer units: 100A

K5612s

ACCEPTS 12
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)

1

K5616s

ACCEPTS 16
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)

1

K5621s

ACCEPTS 21
ONE MODULE PRODUCTS
(3 INTEGRAL NEUTRAL BARS
FITTED WITH LINKS)

1

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 60439-3: 1991/A1: 1994.

K6508s

ACCEPTS 8
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)

1

K6512s

ACCEPTS 12
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)

1

All units feature a tough galvanised metal box for insertion into the wall cavity, which can be secured at the rear or panel-mounted using the brackets supplied. The DIN rail embodies a useful alignment adjusting mechanism to make for a speedy installation. The units have an impact resistant, flame retardant, thermoplastic cover, lid and a flush moulded frame is supplied to overlap the exposed cavity to produce a smooth line between unit and wall.

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 60439-3: 1991/A1: 1994.

K6516s

ACCEPTS 16
ONE MODULE PRODUCTS
(2 INTEGRAL NEUTRAL BARS
FITTED WITH LINK)

1

K6521s

ACCEPTS 21
ONE MODULE PRODUCTS
(3 INTEGRAL NEUTRAL BARS
FITTED WITH LINKS)

1

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K6508s:	234	x 230	x 106.5mm
K6512s:	306	x 230	x 106.5mm
K6516s:	378	x 230	x 106.5mm
K6521s:	468	x 230	x 106.5mm

Flush frame adds 38mm per side to the unit

WALL CAVITY DIMENSIONS:

	WIDTH	HEIGHT	DEPTH(min)
K6508s:	245	x 235	x 68mm
K6512s:	315	x 235	x 68mm
K6516s:	390	x 235	x 68mm
K6521s:	480	x 235	x 68mm

Depth of flush consumer unit visible on wall: 50mm

FACTORY BUILT SERVICE
MK can save you time and money by pre-assembling Consumer units with your required Sentry components

Cover mounted blanks are supplied with ALL consumer units
(2 off x 1 for 4, 8 and 12 module and 2 off x 2 for 16 and 21 module)

Consumer Units

WITH SPLIT-LOAD
ARRANGEMENTS
METAL
SURFACE

WITH TIME DELAY
SPLIT-LOAD
ARRANGEMENTS
METAL
SURFACE

WITH SPLIT-LOAD
ARRANGEMENTS
INSULATED
SURFACE



K5582s



K5586s



K5531s



K5682s



K5566s



K5581s



K5662s



K5666s

K5582s

100A SWITCH DISCONNECTOR AND 63A 30mA RCD. ACCEPTS A FURTHER 8 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 1/6 AND 6/1

1

K5566s

100A SWITCH DISCONNECTOR AND 63A 30mA RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

1

K5586s

100A SWITCH DISCONNECTOR AND 80A 30mA RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

1

K5581s

100A SWITCH DISCONNECTOR AND 80A 30mA RCD. ACCEPTS A FURTHER 17 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 1/14 AND 14/1

1

K5531s

100A 100mA TIME DELAY RCD AND 80A 30mA RCD ACCEPTS A FURTHER 17 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 1/14 AND 14/1

1

K5682s

100A SWITCH DISCONNECTOR AND 63A 30mA RCD. ACCEPTS A FURTHER 8 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/6 AND 6/1

1

K5662s

100A SWITCH DISCONNECTOR AND 80A 30mA RCD. ACCEPTS A FURTHER 8 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/6 AND 6/1

1

K5666s

100A SWITCH DISCONNECTOR AND 63A 30mA RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

1

All units are magnolia coloured.

All units are pre-fitted with a switch disconnector and RCD together with all 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.

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5582s:	306	x 230	x 110mm
K5566s:	378	x 230	x 110mm
K5586s:	378	x 230	x 110mm
K5581s:	468	x 230	x 110mm
K5531s:	468	x 230	x 110mm

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 60439-3: 1991/A1: 1994

The unit is pre-fitted with a time delay RCD and 80A 30mA RCD together with all necessary split-load cabling. The flexibility of design allows the RCD to be positioned to suit the required configuration, subject to the rating of either RCD's not being exceeded.

Cover mounted blanks are supplied with ALL consumer units
(2 off x 1 for 4, 8 and 12 module and 2 off x 2 for 16 and 21 module)

All units are magnolia coloured.

All units are pre-fitted with a switch disconnector and RCD together with all 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.

WITH TIME DELAY
SPLIT-LOAD
ARRANGEMENTS
INSULATED
SURFACE

FOR HEATING CONTROL
METAL / INSULATED
SURFACE



K5686s

K5681s



K5632s

K5626s



K5636s

K5631s



K5556s

K5656s

K5686s 1
100A SWITCH DISCONNECTOR AND 80A 30mA RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

K5681s 1
100A SWITCH DISCONNECTOR AND 80A 30mA RCD. ACCEPTS A FURTHER 17 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 14/1 AND 1/14

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5682s:	306	x 230	x 110mm
K5662s:	306	x 230	x 110mm
K5666s:	378	x 230	x 110mm
K5686s:	378	x 230	x 110mm
K5681s:	468	x 230	x 110mm

Degree of protection to BS.EN 60529: 1992 IP2XC
Precautions must be taken to maintain the IP rating. eg. correct use of cable glands and knockouts
BS.EN 60439-3:1994

K5632s 1
100A 100mA TIME DELAY RCD. ACCEPTS A FURTHER 8 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/6 AND 6/1

K5626s 1
100A 100mA TIME DELAYED RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5632s:	306	x 230	x 110mm
K5626s:	378	x 230	x 110mm
K5636s:	378	x 230	x 110mm
K5631s:	468	x 230	x 110mm

Degree of protection to BS.EN 60529: 1992 IP2XC
Precautions must be taken to maintain the IP rating. eg. correct use of cable glands and knockouts
BS.EN 60439-3:1994

K5636s 1
100A 100mA TIME DELAY RCD. ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/8 AND 8/1

K5631s 1
100A 100mA TIME DELAY RCD. ACCEPTS A FURTHER 17 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED & UNPROTECTED CIRCUITS BETWEEN 1/14 AND 14/1

Cover mounted blanks are supplied with ALL consumer units (2 off x 1 for 4, 8 and 12 module and 2 off x 2 for 16 and 21 module)

K5556s 1
METAL CONSUMER UNIT ONE 63A SWITCH DISCONNECTOR TWO 100A SWITCH DISCONNECTORS AND 3 INTEGRAL NEUTRAL BARS ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS

K5656s 1
INSULATED CONSUMER UNIT ONE 63A SWITCH DISCONNECTOR TWO 100A SWITCH DISCONNECTORS AND 3 INTEGRAL NEUTRAL BARS ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS

The unit is pre-fitted with 3 switch disconnectors for use in multi-tariff heating applications.

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5556s:	378	x 230	x 110mm
K5656s:	378	x 230	x 110mm

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 60439-3: 1991/A1: 1994

FACTORY BUILT SERVICE
MK can save you time and money by pre-assembling Consumer units with your required Sentry components

Skeleton Units

FOR MOUNTING IN A
MANTEL/CLIFTON TYPE
ENCLOSURE



6000s



6001s

6000s
ACCEPTS 14
ONE MODULE PRODUCTS
(1 INTEGRAL NEUTRAL BAR)

6001s
100A SWITCH DISCONNECTOR
AND 63A 30mA RCD.
ACCEPTS A FURTHER 10
ONE MODULE PRODUCTS
IN ANY CONFIGURATION OF
RCD PROTECTED
AND UNPROTECTED CIRCUITS
BETWEEN 2/8 AND 8/2

These units are suitable for use in
most Mantel and Clifton type
enclosures.

Factory assembled units are available
for specific installations.

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
6000s:	222 x	333 x	90mm
6001s:	222 x	333 x	90mm

Degree of Protection to
BS EN 60529: 1992 IP30

Precautions must be taken to maintain
the IP rating, eg. correct use of cable
glands and knockouts.

BS EN 60439-3: 1994

Enclosures

IP65
WEATHERPROOF
ENCLOSURE



5702s



5704s

5702s
WEATHERPROOF
COMPLETE WITH NEUTRAL AND
EARTH TERMINAL BLOCK
ACCEPTS UP TO 4 MODULES

5704s
WEATHERPROOF
COMPLETE WITH NEUTRAL AND
EARTH TERMINAL BLOCK
ACCEPTS UP TO 8 MODULES

Typical applications for enclosures
are house extensions, garages and
small workshops.

These enclosures will accommodate
two or four module Sentry RCDs or
a combination of Sentry modules,
excluding contactors.

DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
5702s:	200 x	123 x	112mm
5704s:	200 x	195 x	112mm
5502s:	149 x	76 x	76mm
5504s:	188 x	121 x	74mm
5604s:	160 x	85 x	68mm
K5592s:	185 x	119 x	66mm

Degree of Protection to

BS EN 60529: 1992

5702s: IP65

5704s: IP65

5502s: IP30

5504s: IP30

5604s: IP30

K5592s: IP30

IP30 ENCLOSURE



5502s



5504s

5502s
INSULATED COMPLETE WITH
MOUNTING RAIL, NEUTRAL
AND EARTH TERMINALS
TWO MODULE

K5592s
RCBO ENCLOSURE – METAL
TWO AVAILABLE MODULES
SUITABLE FOR LIST NOS.
6932s, 6933s, 6934s, 6935s,
6936s, 6937s, 6938s
WITH MOUNTING RAIL,
EARTH TERMINALS AND
METAL FRONT PLATE

5504s
METAL
WITH MOUNTING RAIL,
EARTH TERMINALS AND
MOULDED FRONT PLATE
FOUR MODULE

5604s
INSULATED
WITH MOUNTING RAIL,
TWO INTEGRAL BLANKING PLATES
AND TAMPER-PROOFING
COMPONENTS
FOUR MODULE

K5592s suitable for Sentry Single
Module RCBO.

Precautions must be taken to
maintain the IP rating, eg. correct
use of cable glands and knockouts
IP65 enclosures to EN 60670

Switch
Disconnectors
Double Pole

TWO MODULE



5500s



5560s

5500s
100A 230V

5560s
63A 230V

Suitable for installation in Sentry
Consumer Units and two or four
module enclosures. Accepts direct
to busbar or cable-in / cable-out
connection. Category of duty:
AC22A for switching of resistive
and inductive loads.

Positive contact status indication in
accordance with 16th Edition IEE
Wiring Regulations
(537-02-03 and 537-03-02)

DIMENSIONS:
81 x 36 x 76mm

CABLE CAPACITY:
50mm²

BS EN 60947-3: 1992

MCBs
Single Pole

TYPE B
ONE MODULE



5903s



5910s



5906s



5916s

5903s
3A 230V

5906s
6A 230V

5910s
10A 230V

5916s
16A 230V

Suitable for installation in Sentry
Consumer Units and two or four
module enclosures.

Positive contact status indication in
accordance with 16th Edition IEE
Wiring Regulations
(537-02-03 and 537-03-02)

DIMENSIONS:
83 x 18 x 74mm

CABLE CAPACITY:
3, 6, 10, 16A: 35mm²

Short-circuit breaking capacity: 6KA

BS EN 60898: 1991

RCBOs With Solid Neutral Single Pole

TYPE C ONE MODULE

TYPE B ONE MODULE



5920s 5940s



8703s 8706s



8720s 8732s



6932s 6934s 6936s 6938s



5945s 5950s



8710s 8716s



8740s 8750s



6933s 6935s 6937s 6939s

5920s
20A 230V

10

8703s
3A 230V

10

8720s
20A 230V

10

6932s
6A 230V

1

6935s
20A 230V

1

5932s
32A 230V

10

8706s
6A 230V

10

8732s
32A 230V

10

30mA
TRIPPING CURRENT

1

30mA TRIPPING CURRENT

1

5940s
40A 230V

10

8710s
10A 230V

10

8740s
40A 230V

10

6933s
10A 230V
30mA
TRIPPING CURRENT

1

30mA TRIPPING CURRENT

1

5945s
45A 230V

10

8716s
16A 230V

10

8750s
50A 230V

10

6934s
16A 230V
30mA
TRIPPING CURRENT

1

6937s
40A 230V
30mA TRIPPING CURRENT

1

5950s
50A 230V

10

6938s
45A 230V
30mA TRIPPING CURRENT

1

6939s*
50A 230V
30mA TRIPPING CURRENT

1

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Suitable for installation in Sentry Consumer Units and K5592s enclosure.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
83 x 18 x 74mm

DIMENSIONS:
83 x 18 x 74mm

DIMENSIONS:
83 x 18 x 74mm

DIMENSIONS:
112 x 18 x 73mm

CABLE CAPACITY:
20, 32, 40, 50A : 35mm²

CABLE CAPACITY:
3, 6, 10, 16A : 35mm²

CABLE CAPACITY:
20, 32, 40, 50A : 35mm²

CABLE CAPACITY:
Live 25mm², Neutral 16mm²

Short-circuit breaking capacity: 6KA
BS EN 60898: 1991

Short-circuit breaking capacity: 6KA
BS EN 60898: 1991

Short-circuit breaking capacity: 6KA
BS EN 60898: 1991

Pulsating d.c.fault current sensitive
Short circuit breaking capacity: 6KA
BS EN 61009-1
BS IEC 61009-2-2

*Available early 2004

MCB Retrofit Kit

RCDs Double Pole

16 AMP
TWO MODULE

32 AMP
TWO MODULE

40 AMP
TWO MODULE

63 AMP
TWO MODULE



5567s



6016s



6032s



5740s



5760s



6416s



6730s



5860s

5567s
MCB RETROFIT KIT
FOR MOUNTING IN OLD
SENTRY CONSUMER UNITS

1

6016s
16A 110V
10mA TRIPPING CURRENT

1

6416s
16A 110V
30mA TRIPPING CURRENT

1

6316s
16A 230V
10mA TRIPPING CURRENT

1

5716s
16A 230V
30mA TRIPPING CURRENT

1

6032s
32A 110V
30mA TRIPPING CURRENT

1

6730s
32A 230V
30mA TRIPPING CURRENT

1

5740s
40A 230V
30mA TRIPPING CURRENT

1

5760s
63A 230V
30mA TRIPPING CURRENT

1

6160s
63A 230V
100mA TRIPPING CURRENT

1

5860s
63A 230V
300mA TRIPPING CURRENT

1

For use when installing MCBs into old Sentry Consumer Units with fork style busbar (non 's' suffix or 'K' prefix).

Kit contains a busbar, extension terminal (5562s), a 100A rated cable and a 25mm² capacity spade connector terminal with clamp screw.

May be used to fit up to 3 new Sentry MCBs. If more need to be installed please use 5511s busbar with kit.

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
85 x 36 x 75mm

CABLE CAPACITY:
50mm²

BS EN 61008:1995



RCDs
Pulsating D.C.
Fault Current Sensitive
Double Pole

RCDs
Time Delayed
Double Pole

80 AMP
TWO MODULE

100 AMP
TWO MODULE

TWO MODULE

TWO MODULE



5780s



7700s



6216s



6716s



5640s



6980s



5880s



6600s



6630s



5660s



6400s

5780s
80A 230V
30mA TRIPPING CURRENT

1 **7700s**
100A 230V
30mA TRIPPING CURRENT

1 **6216s**
16A 230V
10mA TRIPPING CURRENT

1 **6630s**
32A 230V
30mA TRIPPING CURRENT

1 **6980s**
80A 230V
100mA TRIPPING CURRENT
TIME DELAYED

6180s
80A 230V
100mA TRIPPING CURRENT

1 **6600s**
100A 230V
100mA TRIPPING CURRENT

1 **6716s**
16A 230V
30mA TRIPPING CURRENT

1 **5640s**
40A 230V
30mA TRIPPING CURRENT

1 **6400s**
100A 230V
100mA TRIPPING CURRENT
TIME DELAYED

5880s
80A 230V
300mA TRIPPING CURRENT

1 **7800s**
100A 230V
300mA TRIPPING CURRENT

1 **5660s**
63A 230V
30mA TRIPPING CURRENT

1 **NOT TO BE USED FOR
PERSONAL PROTECTION
AGAINST ELECTRIC SHOCK**

6080s
80A 110V
30mA TRIPPING CURRENT

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
85 x 36 x 75mm

CABLE CAPACITY:
50mm²

BS EN 61008:1995

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
85 x 36 x 75mm

CABLE CAPACITY:
50mm²

BS EN 61008:1995

Suitable for installation in Sentry Consumer Units and Four Module enclosures. When used as a mains incomer these units will provide discrimination with downstream instantaneously operating 10mA or 30 mA RCD's. For example, they can be used as main incomers on split load consumer units where it is not desirable, because of the possibility of unwanted tripping, to place all of the circuits on an instantaneous 30mA RCD, but where earth leakage protection is still required for these circuits or where compliance is required to the indirect contact protection requirements of the IEE wiring regulations.

DIMENSIONS: 81 x 36 x 76mm

CABLE CAPACITY: 50mm²
BS EN 61008: 1994

FACTORY BUILT SERVICE
MK can save you time and money by pre-assembling Consumer units with your required Sentry components

RCDs Four Pole

25 AMP
FOUR MODULE



6425s

40 AMP
FOUR MODULE



6440s

63 AMP
FOUR MODULE



6463s

RCD Pulsating D.C. Fault Current Sensitive Four Pole

FOUR MODULE



6640s

Time Delay Switch

ONE MODULE



5650s

6425s
25A 230/400V
30mA TRIPPING CURRENT

1

Suitable for installation in Sentry four module enclosures and Commando Combi.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
85 x 72 x 75mm

CABLE CAPACITY:
50mm²

BS EN 61008: 1995

6440s
40A 230/400V
30mA TRIPPING CURRENT

6240s
40A 230/400V
100mA TRIPPING CURRENT

1

1

6463s
63A 230/400V
30mA TRIPPING CURRENT

6363s
63A 230/400V
100mA TRIPPING CURRENT

6263s
63A 230/400V
300mA TRIPPING CURRENT

1

1

1

6640s
40A 230/400V
30mA TRIPPING CURRENT

1

5650s
DELAY RANGE
1 - 7 MINUTES (APPROX)

1



Suitable for installation in Sentry two or four module enclosures.

Positive contact status indication in accordance with 16th Edition IEE Wiring Regulations (537-02-03 and 537-03-02)

DIMENSIONS:
85 x 72 x 75mm

CABLE CAPACITY:
50mm²

BS EN 61008: 1995

Suitable for installation in Sentry Consumer Units and two or four module enclosures. Offers time delay control for complete circuits of either tungsten or fluorescent lighting with any number of standard push switches. It can also be used to control fans in bathrooms without a window. Delay setting can be over-ridden by setting to 'Perm-on' mode, or by fitting a remote overriding switch. Switch has a switching capacity of 16A Resistive loads (upf).

Fluorescent lamps uncompensated /
Series compensated 1300W
Parallel compensated 480W
Incandescent lamps 2000W

Neon glow lamp load (locating lamp for Push Switch) 50mA max.

VOLTAGE RATING: 230V 50Hz

DIMENSIONS: 84 x 18 x 70mm

CABLE CAPACITY: 1 x 4mm² or 2 x 1.5mm²

Contactors

Bell Transformer

ONE MODULE

TWO MODULE

THREE MODULE

TWO MODULE



6220s



6720s



7240s



7263s



7440s



7463s



7301s



7302s



5711s

6220s
20A
DOUBLE POLE

1

6720s
20A
DOUBLE POLE
WITH MANUAL OVERRIDE

1

6420s
20A
FOUR POLE

7240s
40A
DOUBLE POLE

7263s
63A
DOUBLE POLE

1

7440s
40A
FOUR POLE

1

7463s
63A
FOUR POLE

1

1

7301s
AUXILIARY CONTACT

1

7302s
SUPPRESSION BLOCK

1

5711s
RATING 1A AT 8V
PRIMARY
220 – 240V A.C.50Hz

1

Suitable for installation in Sentry Consumer Units and two or four module enclosures. Automatically switches higher loads than possible with a time switch eg; off peak tariffs.

A manual override enables the temporary setting of the contactor in either the on or off position in addition to normal automatic operation.

When a contactor is mounted alongside an MCB of greater than 10 amp current rating or two contactors are mounted alongside an MCB or side by side, it is necessary to insert a blank module between them (list No.5544s)

CONTACTOR RATINGS:

List no	6220s 6420s 6720s	7240s 7440s	7263s 7463s
RATED CURRENT Ith	20A	40A	63A
HEATING: Single phase 230V Three phase 400V	5.4kW 16kW	8.6kW 26kW	13.6kW 41kW
MOTORS: Single phase 230V Three phase 400V	1.1kW 4kW	2.2kW 7.5kW	4kW 11kW
LIGHTING: Incandescent and Halogen lamps: Fluorescent Lamps: (Electronic Ballast)	2,800W 2,000W	7,000W 4,200W	10,000W 6,300W
VOLTAGE RATING: (coil)	230V 50Hz	230V 50Hz	230V 50Hz
CABLE CAPACITY:	6mm ² rigid	25mm ² rigid	25mm ² rigid

BS EN 61095

7301s Auxiliary Contact

Suitable for connection to all Sentry contactors, the auxiliary contacts enable remote indication of contactor status. Auxiliary contact is provided with 1 open and 1 closed contact. 7301s is a half module width, a half module blank is supplied to complete the installation,

RATED CURRENT Ith 5A

7302s Suppression Block

Suitable for installations where contactor controls are not bounce free. 7302s connects across the coil terminals.

DIMENSIONS:

6220s: 84 x 18 x 66mm

6420s: 84 x 36 x 66mm

6720s: 84 x 18 x 66mm

7240s: 84 x 36 x 66mm

7263s: 84 x 36 x 66mm

7440s: 84 x 54 x 66mm

7463s: 84 x 54 x 66mm

7301s: 84 x 18 x 66mm

(including half module blank)

7302s: 84 x 18 x 66mm

Suitable for installation in Sentry Consumer Units and two or four module enclosures.

Note: When installed in a consumer unit, ensure that output cables inside the enclosures are suitable for a 230V environment, either by sleeving the bell wire to BS. 2848 or using 230V cable.

Complete with terminal covers. Also suitable for surface mounting.

DIMENSIONS:

88 x 36 x 67mm

CABLE CAPACITY:

1 x 2.5mm²

EN 61558-2-8

Time Switches

**SYNCHRONOUS
THREE MODULE**



5707s

**QUARTZ
STABILISED
THREE MODULE**



5807s

**SYNCHRONOUS
ONE MODULE**



5833s

**DIGITAL
ONE CHANNEL
TWO MODULE**



5731s

**DIGITAL
ONE CHANNEL
ONE MODULE**



5733s

**DIGITAL
TWO CHANNEL
TWO MODULE**



5732s



5724s



5824s

5707s 1
7 DAY DIAL
MIN SETTING 3 HOURS

5724s 1
24 HOUR DIAL
MIN SETTING 30 MINUTES

Suitable for DIN rail mounting in Sentry Consumer Units or four module enclosures.

VOLTAGE RATING:
220-240Va.c. 50Hz

CURRENT RATING:
Resistive load 16A
Inductive load 4A
Tungsten lamps 6A (1350W)
Fluorescent lamps 1350W

DIMENSIONS:
85 x 54 x 68mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²

5807s 1
7 DAY DIAL
MIN SETTING 3 HOURS

5824s 1
24 HOUR DIAL
MIN SETTING 30 MINUTES

Suitable for DIN rail mounting in Sentry Consumer Units and two or four module enclosures. Power reserve 150 hours

VOLTAGE RATING:
220-240Va.c. 50-60Hz

CURRENT RATING:
Resistive load 16A
Inductive load 4A
Tungsten lamps 6A (1350W)
Fluorescent lamps 1350W

DIMENSIONS:
85 x 54 x 68mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²
EN 60730-2-7: 1993

5833s 1
24 HOUR DIAL
MIN SETTING 30 MINUTES

Suitable for DIN rail mounting in Sentry Consumer Units and two or four module enclosures

VOLTAGE RATING:
240V 50Hz

CURRENT RATING:
Resistive load 16A
Inductive load 4A
Tungsten lamps 6A (1350W)
Fluorescent lamps 1350W

DIMENSIONS:
90 x 18 x 68mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²

EN 60730-2-7: 1993

5731s 1
24 HOUR/7 DAY DISPLAY
MIN SETTING 1 MINUTE

Pre-programmed with UK time and automatic summer/winter adjustment.

Provides 20 programming selections. Freely selectable day grouping facility. Manual override, winter/summer time adjustment.

Power reserve of 3 years Suitable for DIN-rail mounting in Sentry Consumer Units and two or four module enclosures.

VOLTAGE RATING:
240V 50/60Hz

CURRENT RATING:
Resistive load 16A
Inductive load 2.5A
Tungsten lamps 5A (1000W)
Fluorescent lamps 1000W

DIMENSIONS:
85 x 36 x 68mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²
EN 60730-2-7: 1993

5733s 1
24 HOUR DIAL
MIN SETTING 1 MINUTE

Provides 42 programming selections. Freely selectable day grouping facility. Manual override, winter/summer time adjustment, holiday programme and random generator are standard facilities.

Power reserve of 150 hours.

Suitable for DIN rail mounting in Sentry Consumer Units and two or four module enclosures

VOLTAGE RATING:
240V 50/60Hz

CURRENT RATING:
Resistive load 16A
Inductive load 2.5A
Tungsten lamps 5A (1000W)
Fluorescent lamps 1000W

DIMENSIONS:
90 x 18 x 74mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²
EN 60730-2-7: 1993

5732s 1
24 HOUR/7 DAY DISPLAY
MIN SETTING 1 MINUTE

Pre-programmed with UK time and automatic summer/winter adjustment.

Provides 42 programming selections. Freely selectable day grouping facility. Manual override, winter/summer time adjustment.

Power reserve of 3 years. Suitable for DIN-rail mounting in Sentry Consumer Units and two or four module enclosures.

VOLTAGE RATING:
240V 50/60Hz

CURRENT RATING:
Resistive load 16A
Inductive load 2.5A
Tungsten lamps 5A (1000W)
Fluorescent lamps 1000W

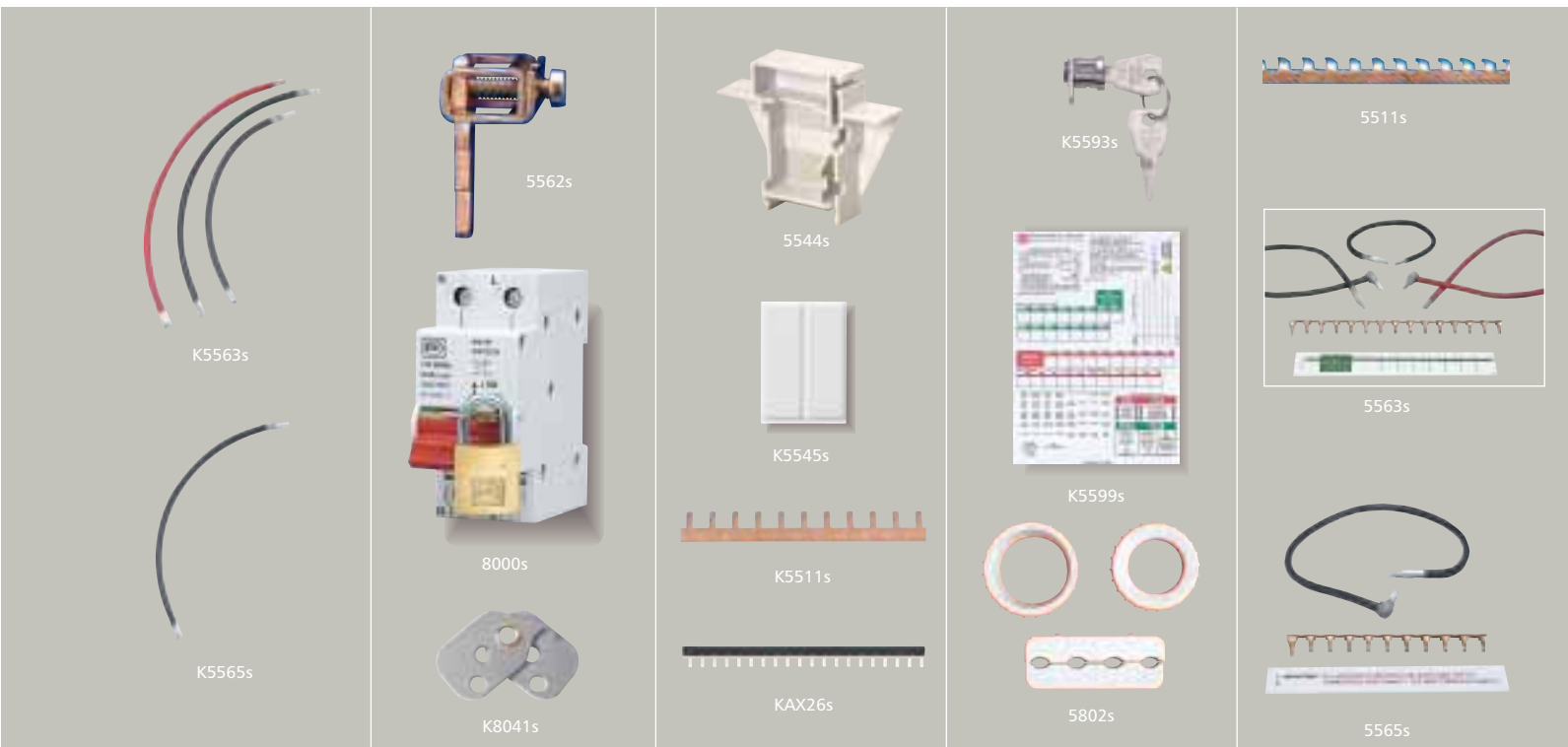
DIMENSIONS:
85 x 36 x 68mm

CABLE CAPACITY:
2 x 2.5mm² or 4 x 1.5mm²
EN 60730-2-7: 1993

Consumer Unit Cable Kits

Accessories

RETRO FIT OLD NON 'K' SERIES ACCESSORIES



K5563s new 'K' series **5**
SPLIT-LOAD KIT
Consists of 3 cables (2 neutral and 1 live) for use when assembling a split load arrangement.

K5564s new 'K' series **5**
MAIN SWITCH AND 2 X RCD CABLE KIT
Consists of all necessary split load cabling (complete with terminals/ferrules), circuit identification labelling.

K5565s new 'K' series **5**
MULTI-INCOMER KIT
Consists of a black flexible cable with pre-fitted terminal for the neutral return from switch or RCD to second or third neutral bar.

K5563s
For use when assembling split-load arrangement.

K5564s
For use when assembling a switch and twin RCD arrangement.

K5565s
For use when assembling a consumer unit in a multi-incomer arrangement with separate supply to each incomer.

These kits must be used to ensure compliance with BS EN 60439-3

5562s
EXTENSION TERMINAL
For use when assembling a consumer unit as a distribution board. Enables direct connection of cables to the neutral bar. Consists of a 25mm² capacity terminal with clamp screw.

8000s
PADLOCK
For use when locking the non 'K' series Sentry Consumer Unit transparent lid or in conjunction with 8041s, when locking an MCB, RCBO, RCD or switch disconnector. Supplied with two keys.

K8041s
LOCKING DEVICE
For use when locking a Sentry MCB, RCBO, RCD or switch disconnector in either the on or off position.

1 **5544s**
MCB BLANK – GREY
Designed to fill unused modules in Sentry Consumer Units and small enclosures. DIN-rail mounted.

10 **K5545s**
COVER MOUNTED BLANK
For filling spaces in the 'K' series Sentry consumer unit cover, where there are unused modules.

1 **K5511s** new 'K' series **1**
BUSBAR
11 module.

1 **K5590s** new 'K' series **1**
BUSBAR
20 module.

10 **KAX26s** new 'K' series **10**
BUSBAR COVER
Suitable for insulating the busbars 5511s and K5590s 20 module.

1 **K5593s**
BARREL LOCK AND KEY KIT
Suitable for securing 'K' series Sentry Consumer Unit lids.

5 **K5599s**
CONSUMER UNIT LABELS
Additional printed and blank labels, for identifying devices and circuits.

1 **5802s**
RCD INSULATION KIT
For use when an RCD is installed in a metal enclosure in an area of high earth loop impedance. Kit consists of male and female screwed ring for fitting into a 32mm knockout and clamp to hold cables secure

1 **5511s** old non 'K' series **1**
BUSBAR
Featuring 10 MCB ways and one main incomer finger.

5 **5590s** old non 'K' series **1**
BUSBAR
Featuring 20 MCB ways and one main incomer finger.

1 **5563s** old non 'K' series **1**
SPLIT-LOAD KIT
Consists of all necessary split load cabling (complete with terminals/ferrules) busbar and circuit identification labelling.

1 **5565s** old non 'K' series **1**
MULTI INCOMER KIT
For use when assembling a consumer unit in a multi incomer arrangement with separate supply to each incomer. This kit must be used to ensure compliance with BS EN 60439-3

These kits must be used to ensure compliance with BS EN 60439-3

MK offer a service to provide fully assembled consumer units.

FACTORY BUILT ASSEMBLY (FBA)

Using standard Sentry components we can build and supply fully assembled units to an agreed design. E.g. Have your split-load boards supplied with all the devices fitted, busbars cut and fitted with neutral and live cables terminated.

SPECIALS

To provide fully assembled custom built boards with standard and non-standard components.

- Ideal for housing developers, or any application requiring typically more than ten units.
- Quick installation time for Contractors.
- Short manufacturing lead time.
- Fast quotation, design turnaround.
- The process is simple:
 - i) Discuss the application with your Novar Business Development Manager.
 - ii) Agree the design with Novar Technical Services.
 - iii) Agree the price and delivery date.

MK Electric – Technical Services

Tel: (+44) 01268 563720

Fax: (+44) 01268 563064





RCD Protected Switchsocket Outlets

13 AMP
LOGIC PLUS
FLUSH

ALBANY PLUS
FLUSH



K6100 WHI



K6101 MCO



K6300 WHI



K6301 MCO



K6211 WHI



K6301 SAB



K6233 WHI



K6304 MCO

Sentrysocket provides a high level of protection against electrocution and is available in eight MK wiring device ranges to suit most applications.

IMPORTANT

ACTIVE CONTROL CIRCUIT

This version of Sentrysocket incorporates a 'RE-SET' mechanism and is mains failure sensitive i.e. it will function under all normal conditions expected of an RCD but it will also trip in the event of a power cut or a dramatic reduction in mains voltage. This makes it ideal for use where hazardous situations could occur due to equipment such as rotating machinery and heat developing apparatus becoming suddenly energised after a power cut.

PASSIVE CONTROL CIRCUIT

This version of Sentrysocket incorporates a 'STAY-SET' mechanism and is mains failure proof i.e. it will function under all normal conditions expected of an RCD but will not trip in the event of a power cut. This makes it suitable for freezers or use in inaccessible or unmanned locations.

ALL SENTRYSOCKETS ARE PULSATING D.C. AND A.C. FAULT CURRENT SENSITIVE PRODUCTS

K6100 WHI 1
1 GANG, 10mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT

K6300 WHI 1
1 GANG, 30mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT

K6303 WHI 1
1 GANG, 30mA RATED, TRIPPING CURRENT, PASSIVE CONTROL CIRCUIT

K6211 WHI 1
2 GANG, 10mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT

K6231 WHI 1
2 GANG, 30mA RATED, TRIPPING CURRENT, ACTIVE CONTROL CIRCUIT

K6233 WHI 1
2 GANG, 30mA RATED, TRIPPING CURRENT, PASSIVE CONTROL CIRCUIT

MOUNTING BOXES
FLUSH: 886 ZIC - 35mm deep
SURFACE: K2140 WHI, 30mm deep

These a.c. and pulsating d.c. fault current sensitive products have up to 15mm thick frontplates and are suitable for 35mm deep boxes and supply voltages of 240V a.c., 50Hz.

Boxes must have a minimum depth of 30mm

A 25mm deep box (862 ZIC) can be used but conduit entry is restricted.

Refer to Sentrysocket section for more information on active and passive control circuits.

DIMENSIONS: 86 x 146mm
FIXING CENTRES: 120.6mm
BS.7288: 1990

K6101 MCO 1
K6101 SAB 1
1 GANG

10mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6301 MCO 1
K6301 SAB 1
1 GANG

30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6304 MCO 1
K6304 SAB 1
1 GANG

30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

MOUNTING BOXES

FLUSH: 886 ZIC
Boxes must have a minimum depth of 30mm

SURFACE (MCO)
WITH KNOCKOUTS: K897 ALM
WITHOUT KNOCKOUTS: K830 ALM

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

Only suitable for supply voltage of 240V a.c., 50Hz.

DIMENSIONS: 86 x 146mm

FIXING CENTRES: 120.6mm

BS.7288: 1990

RCD Protected Switchsocket Outlets

13 AMP
CHROMA PLUS
FLUSH

GROSVENOR PLUS
SAVOY PLUS
FLUSH

METALCLAD PLUS
SURFACE

MASTERSEAL
SURFACE



K6101 PCR



K6306 POB



K6211 ALM



K6102 ALM



56301 GRY



K6301 PCR



K6307 PBS



K6231 ALM



K6302 ALM



56231 WHI



K6233 ALM



K6305 ALM

K6101 PCR **1**
1 GANG
10mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6301 PCR **1**
1 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6306 POB **1**
1 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6307 PBS **1**
1 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6211 ALM **1**
2 GANG
10mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6231 ALM **1**
2 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6233 ALM **1**
2 GANG
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

K6102 ALM **1**
1 GANG
10mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6302 ALM **1**
1 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

K6305 ALM **1**
1 GANG
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

56301 GRY **1**
56301 WHI **1**
1 GANG DP
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

56231 GRY **1**
56231 WHI **1**
2 GANG
30mA RATED TRIPPING CURRENT
ACTIVE CONTROL CIRCUIT

56233 GRY **1**
56233 WHI **1**
2 GANG
30mA RATED TRIPPING CURRENT
PASSIVE CONTROL CIRCUIT

MOUNTING BOXES
FLUSH: 886 ZIC
Boxes must have a minimum depth of 30mm

Suitable for supply voltage of 240V a.c., 50Hz.

DIMENSIONS: 86 x 146mm

FIXING CENTRES: 120.6mm

BS 7288: 1990

BS 1363 Pt.2: 1995

MOUNTING BOXES
FLUSH: 886 ZIC
Boxes must have a minimum depth of 30mm

Suitable for supply voltage of 240V a.c., 50Hz.

DIMENSIONS: 87.5 x 149.5mm

FIXING CENTRES: 120.6mm

BS 7288: 1990

BS 1363 Pt.2: 1995

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

Suitable for supply voltage of 240V a.c., 50Hz.

DIMENSIONS: 86 x 147 x 54mm

KNOCKOUTS:

7 x 20mm.
Three in top side, two in bottom side, and one in each end.

SPARE BOX
K897 ALM

BS 7288: 1990

BS 1363 Pt.2: 1995

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

Suitable for supply voltage of 240V a.c., 50Hz.

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7 x 20mm.
Three in top side, two in bottom side, and one in each end.

SPARE BOX
K897 ALM

BS 7288: 1990

BS 1363 Pt.2: 1995

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

DIMENSIONS: 175 x 115 x 80mm

BS 7288: 1990

BS 1363 Pt.2: 1995

Sentrysocket

Compliance with EC Directives, Standards and approvals

All Sentrysockets comply with the following EC Directives and are CE marked:

Low Voltage Directive (73/23/EEC)
Electromagnetic Compatibility Directive (89/336/EEC)

Sentrysocket RCD Single Sockets comply with the requirements of the following standards:

BS 7288: 1990 (1993)
BS 2011 Part 2.1 Db (Damp Heat - cyclic)
BS 2011 Part 2.1 Ka (Salt mist)
BS EN 50082-1

Sentrysocket RCD Double Socket also complies with the requirements of BS EN 61543: 1996

Technical specification

Electrical

Rated Voltage:
240V a.c.

Current rating:
13A resistive

Rated tripping current
30mA and 10mA versions

Terminal capacity:
3 x 4mm² for 1 gang
2 x 4mm² for 2 gang

Physical

Ambient operating temperature:
-5°C to +40°C

IP rating:
IP4X

Max. installation altitude:
2000 metres

Single socket Sentrysockets are only suitable for use in TN-S system where the Supply Neutral Connection is connected to the Supply Earth.

They are not suitable for connection across two lines of a 127V line to Neutral Voltage System.



Description

Sentrysocket provides a high level of protection against electrocution and gives further protection when used with appliances vulnerable to insulation damage, particularly when they are in damp environments or outdoors. These Sentrysocket units are not suitable for mounting in damp environments or outdoors.

Sentrysocket, incorporating an RCD, is part of a complete range of fixed and portable wiring devices and circuit protection devices suitable for use in domestic, commercial and light industrial applications.

Active control circuits

Incorporate a 'Re-set' mechanism and are mains failure sensitive, ie they will function under all the normal conditions expected of an RCD, but will also trip in the event of a power cut or a sudden, dramatic reduction in mains voltage. This makes them ideal for use where it would be hazardous for equipment to suddenly energise after return of mains power, such as use with rotating machinery and heat developing apparatus.

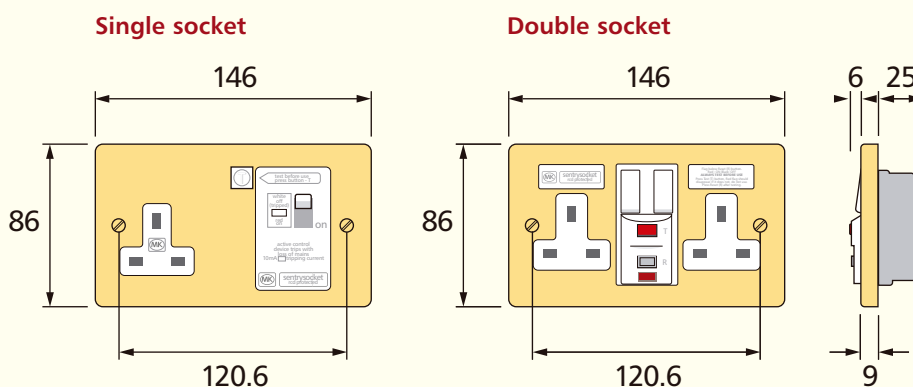
Passive control circuits

Incorporate a 'Stay-set' mechanism and is mains failure proof, ie it will function under all the normal conditions expected of an RCD and will not trip in the event of a power cut. This makes it suitable for use with freezers or in inaccessible or unmanned locations.

Features

- Suitable for most residential, commercial and light industrial applications
- Active and passive control circuit applications
- Comply fully with current Wiring Regulations
- Double pole switching
- Flexible and versatile in use
- Ideal for use with equipment subject to wet weather or high humidity
- Part of a complete range of MK circuit protection devices
- They are a.c. and pulsating d.c. sensitive for residual current

Dimensions (mm)



Cable management

Decorative finish Sentrysockets can be mounted in a variety of MK trunking systems.

Installation

Flush mounting steel wall box

It should be noted that some of the conduit entries may be restricted, depending upon their positions and the depth of box used.

TECHNICAL HOTLINE +44 (0)1268 563720

West India Quay, London



No 1 West India Quay is a £220 million, 36-storey mixed development comprising more than 150 luxury private apartments and a 4.5-star Marriott Hotel, which has over 300 guest rooms and 47 serviced apartments. The hotel occupies the first twelve floors. The developers are MWB Group plc and Manhattan Loft Corporation, and the main contractor Multiplex Construction UK Ltd. The £21million contract for the building services was awarded to Shepherd Engineering Services (SES).

In addition to a number of MK wiring devices and consumer units, MK timeclocks have been installed to control the apartments' air conditioning saving considerably on wiring, as they are able to take their power directly from the MK Sentry consumer units.