

technical hotline +44 (0)1268 563720

circuit protection



range introduction

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 expanded range 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.

The MK Electric Design Service offers a pre-assembly service for custom built boards with all devices fitted, busbars cut and fitted with devices, live and neutral cables terminated. This service is available across the entire range of Metal, Insulated, Flush and Skeleton units.

features and benefits

### Supports 17th Edition Compliance

Full range of products to support compliance with the 17th Edition of the Wiring Regulations including RCBOs and pre-assembled split load boards with a variety of RCD configurations.

### Sentry Skeleton Boards for social housing

For use in a Mantel or Clifton type enclosure, a complete offering of blank and pre-configured skeleton units for use in buildings with multi-occupancy dwellings.

### MK Electric Design Service for pre-assembled Consumer Units

Save time and money by specifying project requirements through the MK Electric Design Service. Pre-assembled custom built boards, with all devices pre-fitted with busbars and cables are available to suit any installation. Available across the entire range of Metal, Insulated, Flush and Skeleton units.

### Flush mounting versions

Flush mounting available for even neater installations.

### Protective lid

Opaque and downward opening lid conceals protective devices and labelling.

### Floating busbar system

Gives maximum installation flexibility.

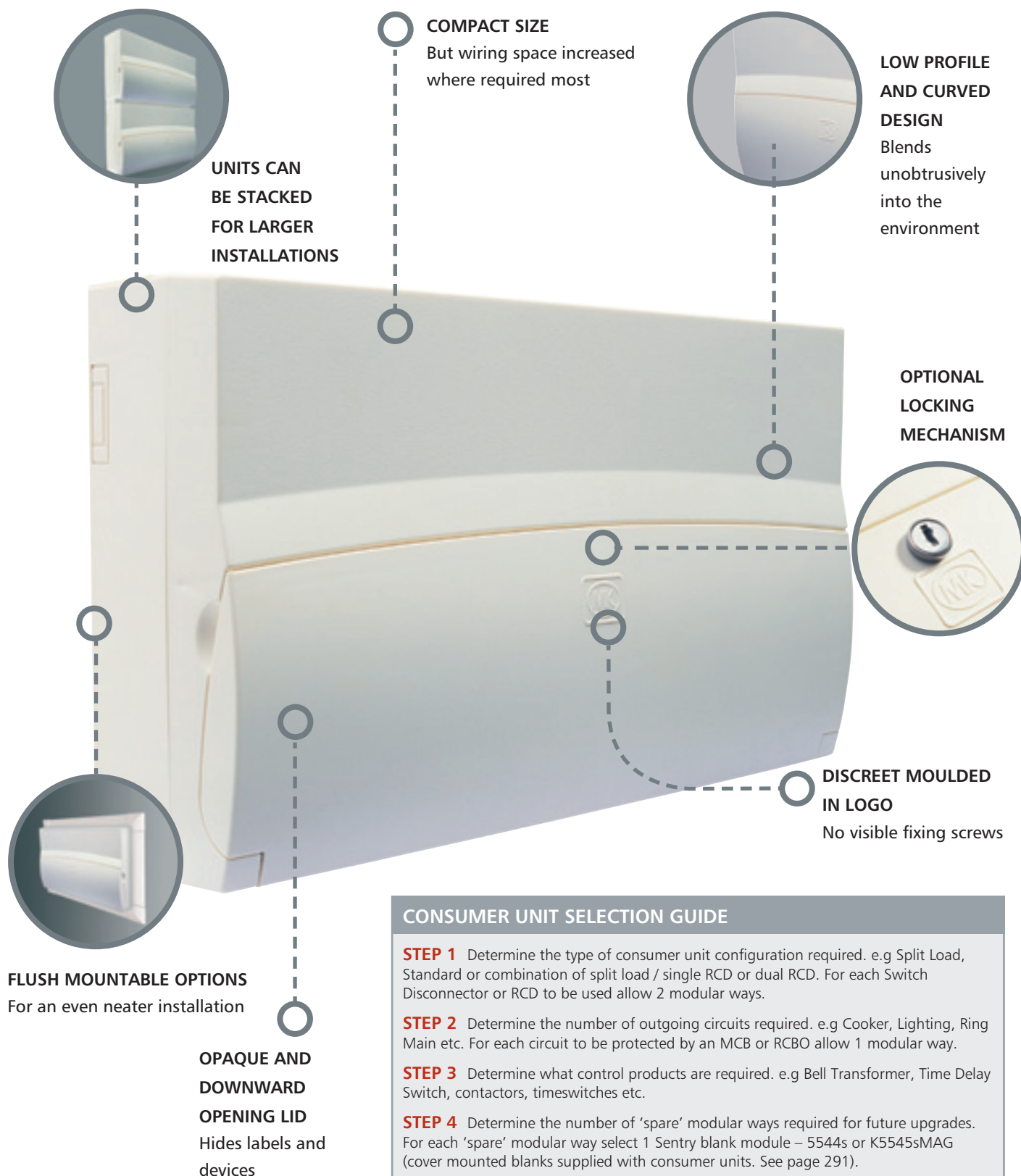
### Broad selection of pre-assembled split load units available

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.

## MK Sentry Consumer Unit Features and Benefits



### 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 291).

**STEP 5** Now add together the total number of modular ways required.

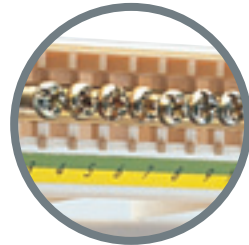
**STEP 6** Select from our range of Insulated, Metal, Flush or stacked consumer units (using standard consumer units plus stacking kits). Choose the type and size most appropriate for your requirements.

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## FLEXIBLE NEUTRAL BAR CONFIGURATION

Enables installer to select a wide combination of protected and unprotected circuits

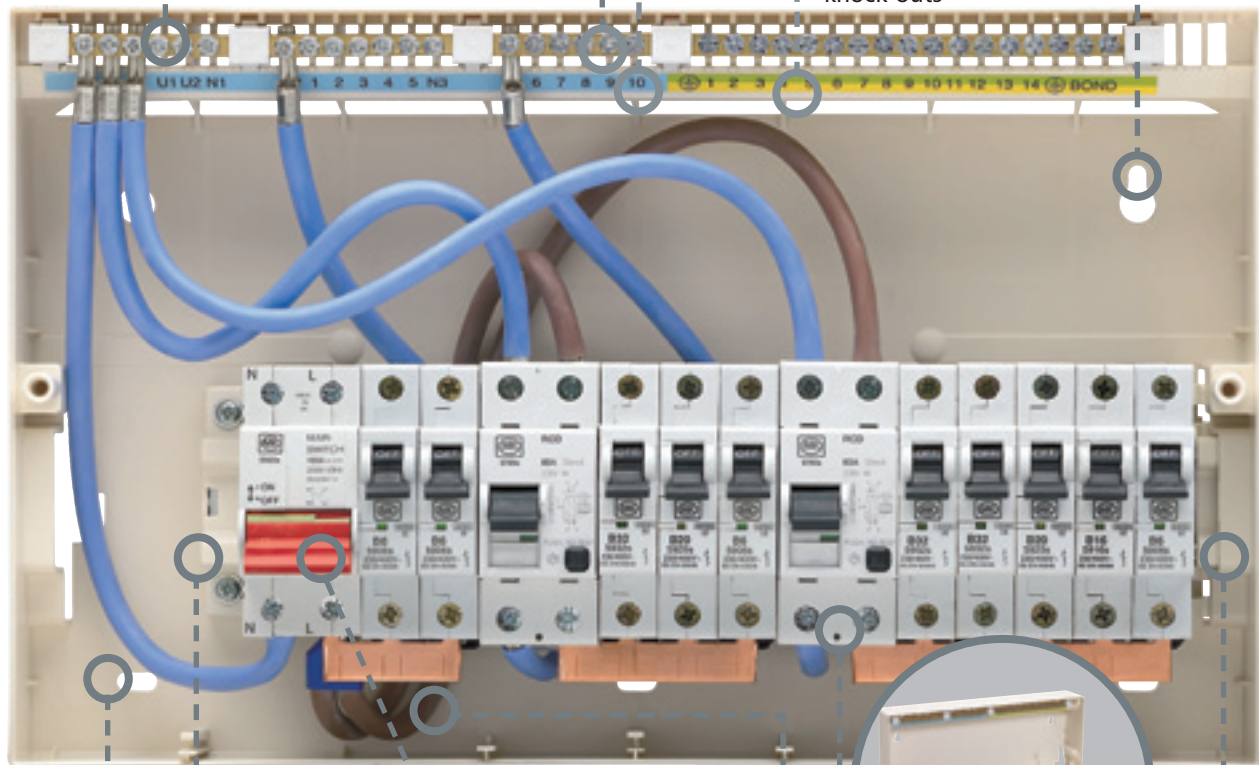


**BACKED OUT AND CAPTIVE COMBI-HEAD SCREWS**  
Allows speedy installation

**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



**OFFSET INCOMER**  
Provides additional wiring space making mains input connections easier



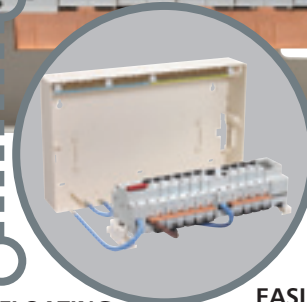
## TRIPOD FIXING HOLES

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

**AMPLE WIRING SPACE**

**RAISED DIN-RAIL**  
For improved cable routing

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



**EASILY REMOVABLE DIN-RAIL**  
Improves first fix

## STACKING OPTIONS AVAILABLE

For 12, 16 & 21 Module Units ideal for larger applications, or where space may be limited

## The MK Electric Design Service

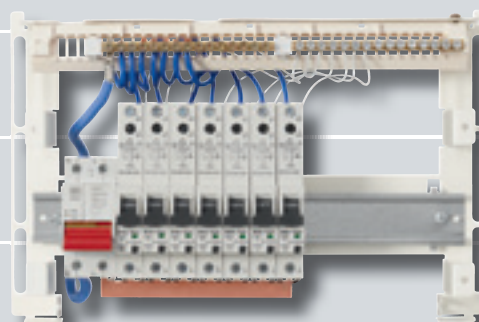
The MK Electric Design Service is perfect for when only a customised solution can meet your requirements, or when fully assembled Consumer Units can be provided for your project to save you installation time.

Our dedicated team can help you to build the best configurations for your project, and then assemble the boards ready for installation. The service is available for all MK Consumer Units – Metalclad, Insulated, Flush and Skeleton. Using standard and non-standard Sentry components we can build and supply fully assembled units to an agreed design. For example, have your split load boards supplied with all the devices pre-fitted with busbars and cables to suit the installation. This service is ideal for housing developers, or any application requiring typically more than twenty units.

- Dedicated team on hand to build configuration to meet your needs
- Service is available for all MK Consumer Units and Skeleton Units
- Ideal for housing developments, or any application requiring typically more than 20 units
- Faster installation time on site
- Fast turnaround – 1 working day response time to initial enquiry

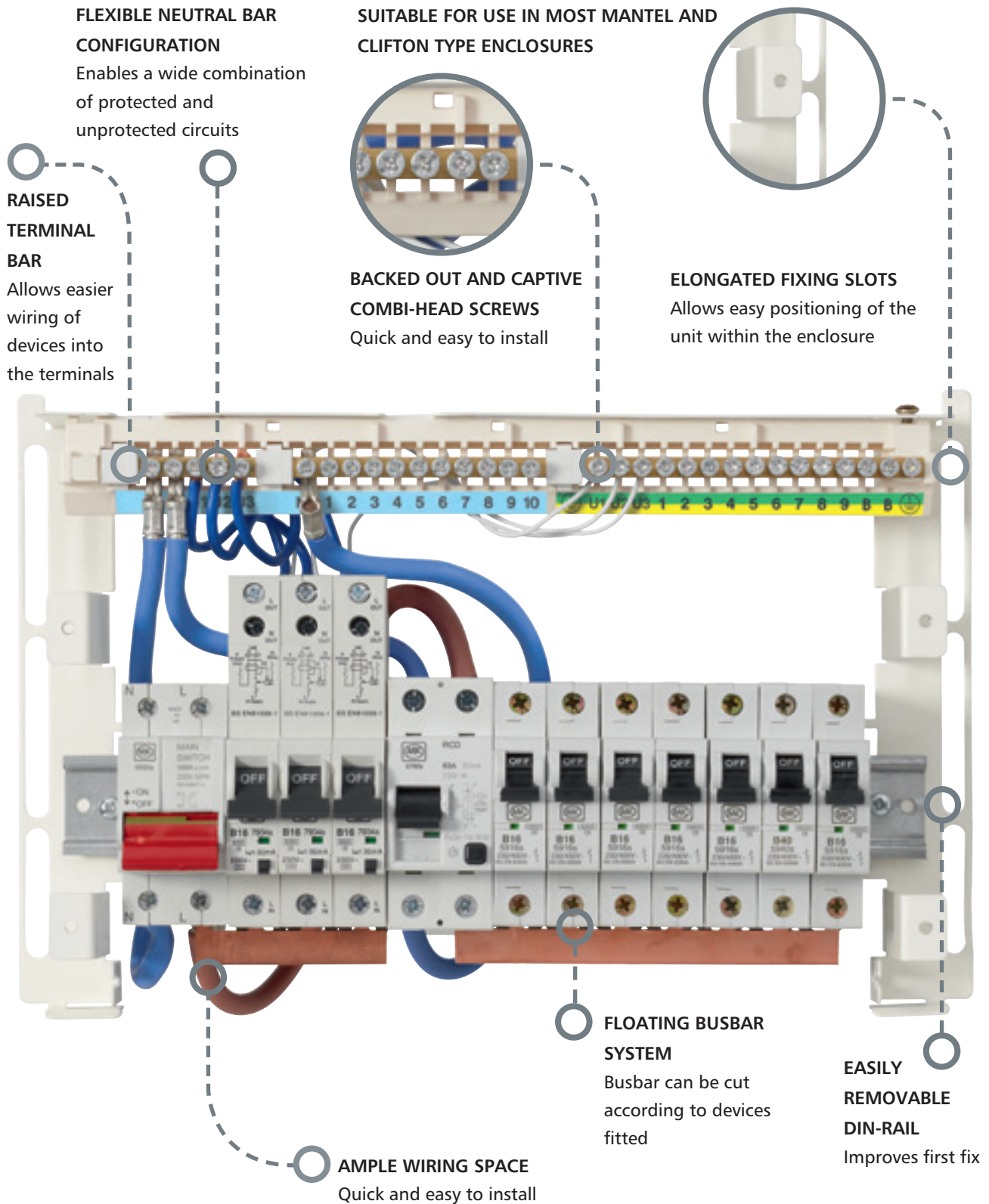
**To find out more call the MK Electric Technical Services Team on 01268 563720 or visit [www.mkelectric.co.uk](http://www.mkelectric.co.uk) and follow the links to the Design Service.**

<b>STEP 1</b>	Call the MK Electric Technical Services Team on 01268 563720 <b>or</b> visit <a href="http://www.mkelectric.co.uk">www.mkelectric.co.uk</a> and follow the links to the Design Service
<b>STEP 2</b>	Discuss the details of your project and Circuit Protection requirements with a member of the MK Technical Services Team <b>or</b> complete the online enquiry and click send
<b>STEP 3</b>	Within one working day you will have a response to your initial enquiry
<b>STEP 4</b>	Confirm the configurations and quantities
<b>STEP 5</b>	Receive the quote for your order
<b>STEP 6</b>	Place your order with your wholesaler
<b>STEP 7</b>	Your order will be delivered to the wholesaler of your choice. All boards will be fully assembled and ready for installation





## MK Sentry Skeleton Unit Features and Benefits



## Selecting the right Consumer Unit for your installation

Sentry Consumer Units are designed to be fully flexible and offer a range of configurations.

### Independent Circuit Protection

Boards with Switch Disconnectors and RCBOs give maximum protection and potentially less annoyance to the end user. In the event of fault conditions or nuisance tripping the disconnect will only effect the dedicated circuit.

#### K5612SMAG



#### Consumer unit options

Insulated	Metal	Flush	Number of ways in bare board
K5612sMAG	K5512sMAG	K6512sMAG	12
K5616sMAG	K5516sMAG	K6516sMAG	16
K5621sMAG	K5521sMAG	K6521sMAG	21

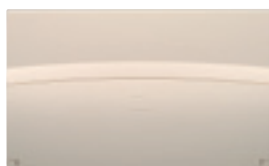
#### Typical Enclosure Configuration

SWITCH	RCBO	RCBO	RCBO	RCBO	RCBO	RCBO	RCBO	RCBO	RCBO	RCBO
	Shower	Sockets Upstairs	Sockets Downstairs	Cooker	Outside Sockets	Immersion Heater	Lighting Upstairs	Lighting Downstairs	Burglar Alarm	Smoke Alarm

### Split Load Configurations, up to half Independent Circuits

Split load boards with RCDs, MCBs and RCBOs are ideal for protection of key designated circuits, for example upstairs lighting, downstairs lighting, smoke alarms and showers. Configurations shown include a Switch and RCD, with a further 8 and 12 ways respectively.

#### K5686SMAG17ED



#### Consumer unit options

Insulated	Metal	Number of ways in bare board
K5682sMAG17ED	K5582sMAG17ED	8
K5686sMAG17ED	K5586sMAG17ED	12
K5681sMAG17ED	K5581sMAG17ED	17

#### Some Examples of 8 way Configurations

SWITCH	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	MCB	SPARE
SWITCH	RCBO	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	SPARE
SWITCH	RCBO	RCBO	RCBO	RCD	MCB	MCB	MCB	MCB	MCB

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## Dual RCD Protection, with some independent circuits

Dual RCD boards with MCB's and RCBOs give both general and essential protection. The configurations shown include a Switch and 2 RCDs, with a further 10 and 15 ways respectively.

### K5681SMAG17ED



#### Consumer unit options

Insulated	Metal	Number of ways in bare board
K5666sMAG17ED	K5566sMAG17ED	10
K5686sMAG17ED	K5586sMAG17ED	10
K5681sMAG17ED	K5581sMAG17ED	15
K5683sMAG17ED	K5583sMAG17ED	15

#### Some Examples of 10 way Configurations

SWITCH	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB	MCB
--------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SWITCH	RCBO	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB
--------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SWITCH	RCD	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB	MCB	MCB
--------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

#### Some Examples of 15 way Configurations

SWITCH	RCBO	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB	MCB	MCB
--------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SWITCH	RCBO	RCD	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB	MCB	MCB
--------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SWITCH	RCD	MCB	MCB	MCB	MCB	MCB	MCB	MCB	MCB	RCD	MCB	MCB	MCB	MCB	MCB	MCB
--------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----










These are some examples of Standard, Neutral and Earth bar configurations. Additional labelling is included in the box to allow for further alternatives

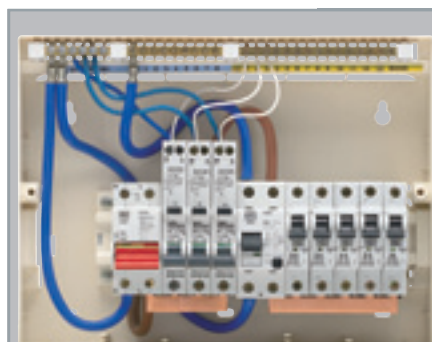
#### TERMINAL BAR CONFIGURATION

	Modules Empty	Earth Terminals		Neutral Terminals		Total Ways	Unprotected	RCD1	RCD2	RCD3
		Circuits	Bond	Total	Separate Blocks					
K5604sMAG	4	4	1	4	1	2	2	n/a	n/a	n/a
K5608sMAG	8	8	2	8	1	10	6	n/a	n/a	n/a
K5612sMAG	12	12	3	15	6 + 9	8	3 or 10*	8	n/a	n/a
K5616sMAG	16	14	3	19	6 + 7 + 6	16	2 or 7 or 14*	5	5	n/a
K5621sMAG	21	18	3	27	7 + 7 + 7 + 6	21	2 or 7 or 12 or 18*	5	5	3
K5504sMAG	4	4	1	4	1	2	2	n/a	n/a	n/a
K5508sMAG K6508sMAG	8	8	2	8	1	6	6	n/a	n/a	n/a
K5512sMAG K6512sMAG	12	12	3	15	6 + 9	8	3 or 10*	8	n/a	n/a
K5516sMAG K6516sMAG	16	14	3	19	6 + 7 + 6	16	2 or 7 or 14*	5	5	n/a
K5521sMAG K6521sMAG	21	18	3	27	7 + 7 + 7 + 6	21	2 or 7 or 12 or 18*	5	5	3

\* Dependant on RCDs fitted

Note: Additional Terminal labels supplied on main sheet to support alternative terminal configurations

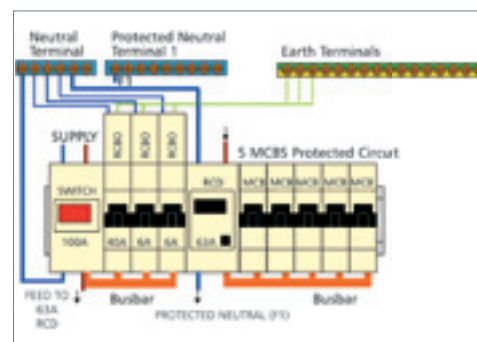
	Switch Disconnectors	MCB Single Pole Type B	Type C	RCBO with Solid Neutral Type B	Residential 6kA RCD 230V Double Pole			Industrial 10kA RCD 110V Double Pole	
				30mA	30mA	100mA	300mA	10mA	30mA
	TWO	ONE	ONE	ONE	TWO	TWO	TWO	TWO	TWO
RATING									
3A		5903s	8703s						
6A		5906s	8706s	7932s					
10A		5910s	8710s	7933s					
16A		5916s	8716s	7934s	7816s			6016s	6416s
20A		5920s	8720s	7935s					
25A		5925s	8725s						
32A		5932s	8732s	7936s	7832s				6032s
40A		5940s	8740s	7937s	7840s				
45A		5945s		7938s					
50A		5950s	8750s	7939s					
63A	5560s				7860s	7560s	7660s		
80A					7880s	7580s	7680s		6080s
100A	5500s								



TO BUILD A SPLIT LOAD RCD  
CONSUMER UNIT WITH RCBOs  
e.g. 3+5 split-load

**Requires:**

**K5612sMAG** Insulated Consumer  
Unit, 12 Mod  
**K5563s** Split Load Cable Kit  
**5500s** Switch Disconnectors  
**5780s** RCD, 80A 30mA  
Select up to 3 RCBOs and 5 MCBs.





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Industrial  
10kA RCD  
230V  
Double Pole

10mA

TWO



30mA

TWO



100mA

TWO



300mA

TWO



Industrial  
10kA RCD  
Pulsating DC Fault  
Current Sensitive

10mA

TWO



30mA

TWO



Industrial  
10kA RCD  
Time Delayed  
230V  
Double Pole

100mA

TWO



Industrial  
10kA RCD  
230/400V  
Four Pole

30mA

FOUR



Note: Only suitable as  
standalone devices, in Sentry  
four module enclosures and  
Commando Combi

100mA

FOUR



300mA

FOUR



RATING

3A

6A

10A

16A

20A

25A

32A

40A

45A

50A

63A

80A

100A

6316s

5716s

6216s

6716s

6425s

6730s

6630s

5740s

5640s

6440s

6240s

5760s

6160s

5860s

5660s

6463s

6363s

6263s

5780s

6180s

5880s

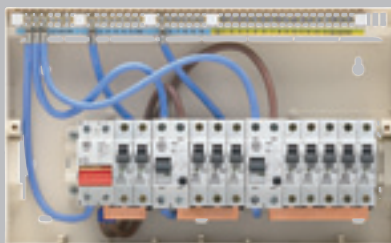
6980s

7700s

6600s

7800s

6400s



TO BUILD A DUAL RCD CONSUMER  
UNIT e.g. 2 + 3 + 5 split-load

Requires:

K5616sMAG

K5568s

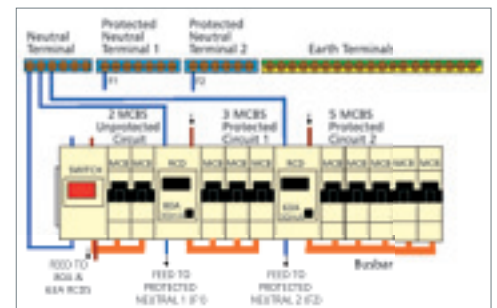
5500s

5780s

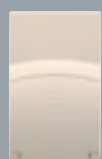
5760s

Insulated Consumer  
Unit, 12 Mod  
Split Load Cable Kit  
twin RCD arrangement  
Switch Disconnecter  
RCD, 80A 30mA  
RCD, 63A 30mA

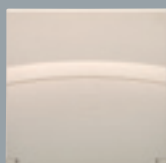
Select up to 10 MCBS.



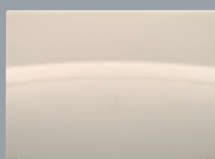
## Consumer Units

METAL  
SURFACE

K5504sMAG



K5508sMAG



K5512sMAG



K5516sMAG

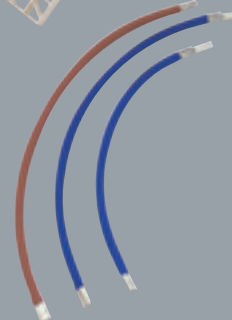


K5521sMAG

## Stacking Kits

FOR METAL AND INSULATED  
CONSUMER UNITS

K6063sMAG



K5561s

**K5504sMAG**

ACCEPTS 4  
ONE MODULE PRODUCTS  
(1 INTEGRAL NEUTRAL BAR)

**K5508sMAG**

ACCEPTS 8  
ONE MODULE PRODUCTS  
(1 INTEGRAL NEUTRAL BAR)

1

**K5512sMAG**

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

1

**K5516sMAG**

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

1

**K5521sMAG**

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

1

1

**K6061sMAG**

SUITABLE FOR USE WITH  
12 MODULE UNITS

1

**K6062sMAG**

SUITABLE FOR USE WITH  
16 MODULE UNITS

1

**K6063sMAG**

SUITABLE FOR USE WITH  
21 MODULE UNITS

1

**K5561s**

CABLE KIT FOR STACKED  
SENTRY UNITS

1

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 K6061sMAG, K6062sMAG and K6063sMAG 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: 1999

## DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5504sMAG:	140	x 230	x 110mm
K5508sMAG:	234	x 230	x 110mm
K5512sMAG:	306	x 230	x 110mm
K5516sMAG:	378	x 230	x 110mm
K5521sMAG:	468	x 230	x 110mm

Thickness of all Stacking Kits: 15mm

Main incomer maximum rating

K5604sMAG and K5504sMAG: 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

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.

K6061sMAG, K6062sMAG, K6063sMAG 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 EN 60439-3: 1999.

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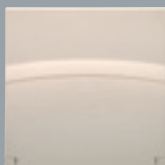
circuit protection

## Consumer Units

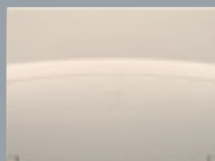
### INSULATED SURFACE



K5604sMAG



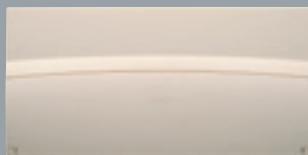
K5608sMAG



K5612sMAG



K5616sMAG



K5621sMAG

#### K5604sMAG

ACCEPTS 4  
ONE MODULE PRODUCTS  
(1 INTEGRAL NEUTRAL BAR)

#### K5608sMAG

ACCEPTS 8  
ONE MODULE PRODUCTS  
(1 INTEGRAL NEUTRAL BAR)

All units are magnolia coloured.

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

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5604sMAG:	140 x	230 x	110mm
K5608sMAG:	234 x	230 x	110mm
K5612sMAG:	306 x	230 x	110mm
K5616sMAG:	378 x	230 x	110mm
K5621sMAG:	468 x	230 x	110mm

Main incomer maximum rating  
K5604sMAG and K5608sMAG: 63A

All other consumer units: 100A

#### 1 K5612sMAG

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

#### 1 K5616sMAG

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

#### K5621sMAG

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

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: 1999

#### FACTORY BUILT SERVICE

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

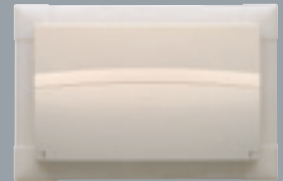
### METAL FLUSH



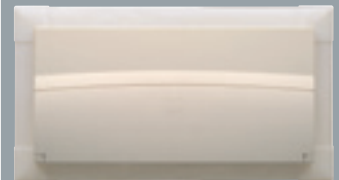
K6508sMAG



K6512sMAG



K6516sMAG



K6521sMAG

#### 1 K6508sMAG

ACCEPTS 8  
ONE MODULE PRODUCTS  
(1 INTEGRAL NEUTRAL BAR)

#### 1 K6512sMAG

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.

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)

#### 1 K6516sMAG

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

#### 1 K6521sMAG

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

BS EN 60439-3: 1999

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K6508sMAG:	234 x	230 x	106.5mm
K6512sMAG:	306 x	230 x	106.5mm
K6516sMAG:	378 x	230 x	106.5mm
K6521sMAG:	468 x	230 x	106.5mm

Flush frame adds 38mm per side to the unit

#### WALL CAVITY DIMENSIONS:

	WIDTH	HEIGHT	DEPTH (min)
K6508sMAG:	245 x	235 x	67mm
K6512sMAG:	315 x	235 x	67mm
K6516sMAG:	390 x	235 x	67mm
K6521sMAG:	480 x	235 x	67mm

Depth of flush consumer unit visible on wall: 50mm

## Consumer Units

WITH SPLIT-LOAD SINGLE  
RCD ARRANGEMENTS  
METAL  
SURFACE

WITH SPLIT-LOAD SINGLE  
RCD ARRANGEMENTS  
INSULATED  
SURFACE



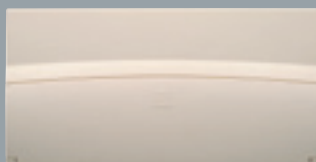
K5582sMAG



K5566sMAG



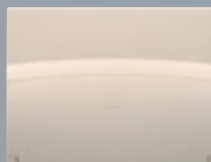
K5586sMAG



K5581sMAG



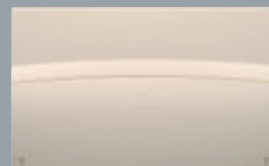
K5682sMAG



K5662sMAG



K5666sMAG



K5686sMAG



K5681sMAG

### K5582sMAG

1

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

### K5566sMAG

1

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

All units are magnolia coloured.

All units are pre-fitted with a switch disconnecter 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. MK recommends the use of RCBOS for non RCD protected circuits to comply with the 17th Edition of the Wiring Regulations.

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5582sMAG:	306	x 230	x 110mm
K5566sMAG:	378	x 230	x 110mm
K5586sMAG:	378	x 230	x 110mm
K5581sMAG:	468	x 230	x 110mm

### K5586sMAG

1

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

### K5581sMAG

1

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

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: 1999

### K5682sMAG

1

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

### K5662sMAG

1

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

### K5666sMAG

1

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

All units are magnolia coloured.

All units are pre-fitted with a switch disconnecter 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. MK recommends the use of RCBOS for non RCD protected circuits to comply with the 17th Edition of the Wiring Regulations.

### K5686sMAG

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

### K5681sMAG

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
K5682sMAG:	306	x 230	x 110mm
K5662sMAG:	306	x 230	x 110mm
K5666sMAG:	378	x 230	x 110mm
K5686sMAG:	378	x 230	x 110mm
K5681sMAG:	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: 1999

#### FACTORY BUILT SERVICE

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

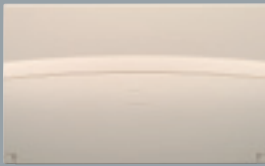
Cover mounted blanks are supplied with ALL consumer units  
(2 off x 1 for 4, 8 and 12 module and 2 off x 2 for 16 and 21 module)

technical hotline +44 (0)1268 563720

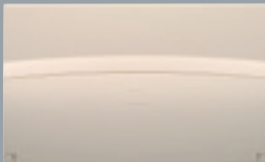
circuit protection

WITH SPLIT LOAD  
DUAL/TRIPLE RCD  
ARRANGEMENT  
METAL  
**SURFACE**

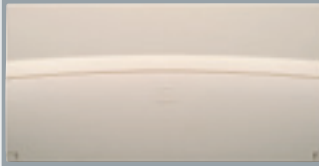
WITH SPLIT LOAD  
DUAL/TRIPLE RCD  
ARRANGEMENT  
INSULATED  
**SURFACE**



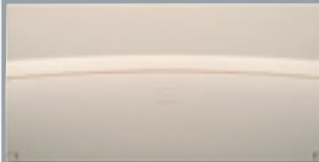
K5566sMAG17ED



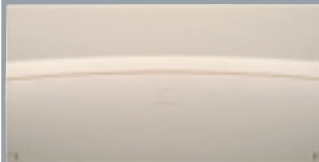
K5586sMAG17ED



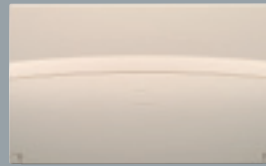
K5581sMAG17ED



K5583sMAG17ED



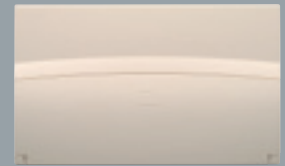
K5584sMAG17ED



K5666sMAG17ED



K5686sMAG17ED



K5688sMAG17ED



K5687sMAG17ED

**K5566sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR AND 2 X 63A 30MA RCDS. ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS \*

**K5586sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR 80A AND 63A 30MA RCDS. ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS \*

**K5581sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR, 80A AND 63A 30MA RCDS. ACCEPTS A FURTHER 15 ONE MODULE PRODUCTS \*

**K5583sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR AND 2 X 63A 30MA RCDS. ACCEPTS A FURTHER 15 ONE MODULE PRODUCTS \*

**K5584sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR, 2 X 63A AND ONE 40A 30MA RCDS. ACCEPTS A FURTHER 13 ONE MODULE PRODUCTS \*

**K5666sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR AND 2 X 63A 30MA RCDS. ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS \*

**K5686sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR 80A AND 63A 30MA RCDS. ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS \*

**K5688sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR AND 2 X 80A 30MA RCDS. ACCEPTS A FURTHER 10 ONE MODULE PRODUCTS \*

**K5687sMAG17ED** <sup>1</sup>  
100A SWITCH DISCONNECTOR AND 2 X 80A 30MA RCDS. ACCEPTS A FURTHER 15 ONE MODULE PRODUCTS \*

All units are magnolia coloured. All units are pre-fitted with a switch disconnector and either two or three RCDs together with all necessary split-load cabling. All units have the capacity to substitute Protected with Unprotected circuits for use with fridges, freezers, burglar alarms and other critical circuits. MK recommends the use of RCBOS for non RCD protected circuits to comply with the 17th Edition of the Wiring Regulations.

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5566sMAG17ED:	378	x 230	x 110mm
K5586sMAG17ED:	378	x 230	x 110mm
K5581sMAG17ED:	468	x 230	x 110mm
K5583sMAG17ED:	468	x 230	x 110mm
K5584sMAG17ED:	468	x 230	x 110mm
K5687sMAG17ED:	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: 1999

All units are magnolia coloured. All units are pre-fitted with a switch disconnector and either two or three RCDs together with all necessary split-load cabling. All units have the capacity to substitute Protected with Unprotected circuits for use with fridges, freezers, burglar alarms and other critical circuits. MK recommends the use of RCBOS for non RCD protected circuits to comply with the 17th Edition of the Wiring Regulations.

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5666sMAG17ED:	378	x 230	x 110mm
K5686sMAG17ED:	378	x 230	x 110mm
K5688sMAG17ED:	378	x 230	x 110mm

**\*For potential configurations, please refer to pages 276-277**

K5681sMAG17ED:	468	x 230	x 110mm
K5687sMAG17ED:	468	x 230	x 110mm
K5683sMAG17ED:	468	x 230	x 110mm
K5684sMAG17ED:	468	x 230	x 110mm



## Consumer Units



K5681sMAG17ED



K5683sMAG17ED



K5684sMAG17ED

**K5681sMAG17ED**

1

100A SWITCH DISCONNECTOR, 80A AND 63A 30MA RCDS. ACCEPTS A FURTHER 15 ONE MODULE PRODUCTS\*

**K5683sMAG17ED**

1

100A SWITCH DISCONNECTOR AND 2 X 63A 30MA RCDS. ACCEPTS A FURTHER 15 ONE MODULE PRODUCTS\*

**K5684sMAG17ED**

1

100A SWITCH DISCONNECTOR, TWO 63A AND ONE 40A 30MA RCDS. ACCEPTS A FURTHER 13 ONE MODULE PRODUCTS\*

**\*For potential configurations, please refer to pages 276-277**

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: 1999

## DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
K5666sMAG17ED:	378	x 230	x 110mm
K5686sMAG17ED:	378	x 230	x 110mm
K5688sMAG17ED:	378	x 230	x 110mm

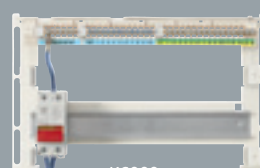
Degree of Protection to  
BS EN 60529 to IP2XC

Precautions must be taken to maintain the IP rating e.g. use of cable glands and knockouts  
BS EN 60439-3: 1999

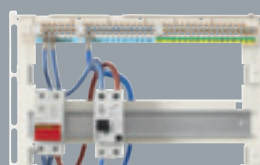
K5681sMAG17ED:	468	x 230	x 110mm
K5687sMAG17ED:	468	x 230	x 110mm
K5683sMAG17ED:	468	x 230	x 110mm
K5684sMAG17ED:	468	x 230	x 110mm

## Skeleton Units

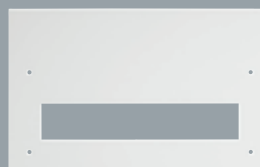
FOR MOUNTING IN A  
MANTEL/CLIFTON TYPE  
ENCLOSURE



K6000s



K6001s



Both K6000s and K6001s are supplied with a 2 piece cover

**K6000s**

1

INCLUDES 1 X 100A SWITCH DISCONNECTOR ACCEPTS A FURTHER 12 ONE MODULE PRODUCTS IN ANY CONFIGURATION OF RCD PROTECTED AND UNPROTECTED CIRCUITS BETWEEN 2/10 AND 10/2 (NOTE RCDS TAKE TWO SPACES)  
1 INTEGRAL NEUTRAL BAR

**K6001s**

1

INCLUDES 1 X 100A SWITCH DISCONNECTOR AND 1 X 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 (NOTE RCDS TAKE TWO SPACES)

These units are suitable for use in most Mantel and Clifton type enclosures. Factory assembled units are available for specific installations.

## DIMENSIONS WITH COVER:

	WIDTH	HEIGHT	DEPTH
K6000s:	333	x 216	x 65mm
K6001s:	333	x 216	x 65mm

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 60439-3:1999

## Garage/Shower Kits

IP65



5702sP1



5702sP2

**5702sP1**

1

INSULATED 4 MODULE IP65 GARAGE KIT. COMPLETE WITH 40A 30mA RCD AND 2 X MCB (1 X B TYPE 6A, 1 X B TYPE 16A)

**5702sP2**

1

INSULATED 4 MODULE IP65 SHOWER KIT. COMPLETE WITH 63A 30mA RCD AND 1 X 50A MCB

## DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
5702sP1:	123	x 200	x 112mm
5702sP2:	123	x 200	x 112mm

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circuit protection

## 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

#### DIMENSIONS:

	WIDTH	HEIGHT	DEPTH
5702S:	123 x	200 x	112mm
5704S:	195 x	200 x	112mm
5502S:	130 x	90 x	90mm
5504S:	188 x	121 x	74mm
5604S:	150 x	110 x	90mm

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 and RCBOs.

### IP30 ENCLOSURE



5502s



5504s



5604s

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

**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

Degree of Protection to  
BS EN 60529:1992

5702s: IP65  
5704s: IP65  
5502s: IP30  
5504s: IP30  
5604s: IP30

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 17th Edition IEE Wiring  
Regulations  
(537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
81 x 36 x 76mm

CABLE CAPACITY:  
50mm<sup>2</sup>

BS EN 60947-3: 1999

## MCBs Single Pole

### TYPE B ONE MODULE



5903s



5906s



5920s



5940s



5910s



5916s



5945s



5950s

**5903s**  
3A 230V

**5906s**  
6A 230V

**5910s**  
10A 230V

**5916s**  
16A 230V

**5920s**  
20A 230V

**5925s**  
25A 230V

**5932s**  
32A 230V

**5940s**  
40A 230V

**5945s**  
45A 230V

**5950s**  
50A 230V

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

Positive contact status  
indication in accordance  
with 17th Edition IEE  
Wiring Regulations  
(537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
83 x 18 x 74mm

CABLE CAPACITY:  
3, 6, 10, 16A: 35mm<sup>2</sup>

Short-circuit breaking  
capacity: 6KA

BS EN 60898: 2003

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

Positive contact status  
indication in accordance  
with 17th Edition IEE  
Wiring Regulations  
(537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
83 x 18 x 74mm

CABLE CAPACITY:  
20, 32, 40, 50A : 35mm<sup>2</sup>

Short-circuit breaking  
capacity: 6KA

BS EN 60898: 2003

## MCB Single Pole

TYPE C  
ONE MODULE



8703s 8706s



8710s 8716s



8720s 8732s



8740s 8750s

## RCBOs With Solid Neutral Single Pole

TYPE B  
ONE MODULE



7932s 7933s 7934s 7935s



7936s 7937s 7938s 7939s

## Residential 6kA RCD Double Pole

16 AMP  
TWO MODULE



7816s

32 AMP  
TWO MODULE



7832s

40 AMP  
TWO MODULE



7840s

**8703s** 10 3A 230V  
**8706s** 10 6A 230V  
**8710s** 10 10A 230V  
**8716s** 10 16A 230V  
**8720s** 10 20A 230V  
**8725s** 10 25A 230V  
**8732s** 10 32A 230V  
**8740s** 10 40A 230V  
**8750s** 10 50A 230V

**7932s** 10 6A 230V  
30mA  
TRIPPING CURRENT  
**7933s** 10 10A 230V  
30mA  
TRIPPING CURRENT  
**7934s** 10 16A 230V  
30mA  
TRIPPING CURRENT

**7935s** 1 20A 230V  
30mA TRIPPING CURRENT  
**7936s** 1 32A 230V  
30mA TRIPPING CURRENT  
**7937s** 1 40A 230V  
30mA TRIPPING CURRENT  
**7938s** 1 45A 230V  
30mA TRIPPING CURRENT  
**7939s** 1 50A 230V  
30mA TRIPPING CURRENT

**7816s** 1 16A 230V  
30mA TRIPPING CURRENT  
**7832s** 1 32A 230V  
30mA TRIPPING CURRENT  
**7840s** 1 40A 230V  
30mA TRIPPING CURRENT

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

Positive contact status indication in accordance with 17th Edition IEE Wiring Regulations (537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
83 x 18 x 74mm  
CABLE CAPACITY:  
3, 6, 10, 16A: 35mm<sup>2</sup>  
Short-circuit breaking capacity: 6kA  
BS EN 60898: 2003

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

Positive contact status indication in accordance with 17th Edition IEE Wiring Regulations (537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
83 x 18 x 74mm  
CABLE CAPACITY:  
20, 32, 40, 50A: 35mm<sup>2</sup>  
Short-circuit breaking capacity: 6kA  
BS EN 60898: 2003

Suitable for installation in Sentry Consumer Units.

Positive contact status indication in accordance with 17th Edition IEE Wiring Regulations (537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
119 x 18 x 73mm  
CABLE CAPACITY:  
Live 25mm<sup>2</sup>,  
Neutral 25mm<sup>2</sup>  
Short circuit breaking capacity: 6kA  
BS EN 61009-1  
BS IEC61009-2-2



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circuit protection

## Industrial 10kA RCDs Double Pole

63 AMP TWO MODULE    80 AMP TWO MODULE    16 AMP TWO MODULE    32 AMP TWO MODULE    40 AMP TWO MODULE    63 AMP TWO MODULE    80 AMP TWO MODULE    100 AMP TWO MODULE



7860s



7880s



6016s



6032s



5740s



5760s



6080s



6600s



7660s



7680s



6316s



6730s



5860s



5880s



7800s

<b>7860s</b> 63A 230V 30mA TRIPPING CURRENT	<b>1</b>	<b>7880s</b> 80A 230V 30mA TRIPPING CURRENT	<b>1</b>	<b>6016s</b> 16A 110V 10mA TRIPPING CURRENT	<b>1</b>	<b>6032s</b> 32A 110V 30mA TRIPPING CURRENT	<b>1</b>	<b>5740s</b> 40A 230V 30mA TRIPPING CURRENT	<b>1</b>	<b>5760s</b> 63A 230V 30mA TRIPPING CURRENT	<b>1</b>	<b>6080s</b> 80A 110V 30mA TRIPPING CURRENT	<b>1</b>	<b>7700s</b> 100A 230V 30mA TRIPPING CURRENT	<b>1</b>
<b>7560s</b> 63A 230V 100mA TRIPPING CURRENT	<b>1</b>	<b>7580s</b> 80A 230V 100mA TRIPPING CURRENT	<b>1</b>	<b>6416s</b> 16A 110V 30mA TRIPPING CURRENT	<b>1</b>	<b>6730s</b> 32A 230V 30mA TRIPPING CURRENT	<b>1</b>			<b>6160s</b> 63A 230V 100mA TRIPPING CURRENT	<b>1</b>	<b>5780s</b> 80A 230V 30mA TRIPPING CURRENT	<b>1</b>	<b>6600s</b> 100A 230V 100mA TRIPPING CURRENT	<b>1</b>
<b>7660s</b> 63A 230V 300mA TRIPPING CURRENT	<b>1</b>	<b>7680s</b> 80A 230V 300mA TRIPPING CURRENT	<b>1</b>	<b>6316s</b> 16A 230V 10mA TRIPPING CURRENT	<b>1</b>					<b>5860s</b> 63A 230V 300mA TRIPPING CURRENT	<b>1</b>	<b>6180s</b> 80A 230V 100mA TRIPPING CURRENT	<b>1</b>	<b>7800s</b> 100A 230V 300mA TRIPPING CURRENT	<b>1</b>
				<b>5716s</b> 16A 230V 30mA TRIPPING CURRENT	<b>1</b>							<b>5880s</b> 80A 230V 300mA TRIPPING CURRENT	<b>1</b>		

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

Positive contact status  
indication in accordance  
with 17th Edition IEE  
Wiring Regulations  
(537.2.2.2 and 537.3.2.2)

Dimension  
85 x 36 x 75mm

CABLE CAPACITY:  
50mm<sup>2</sup>

BS EN 61008: 1995

## Industrial 10kA RCDs Pulsating D.C. Fault Current Sensitive Double Pole

TWO MODULE

## Industrial 10kA RCDs Time Delayed Double Pole

TWO MODULE

## Industrial 10kA RCDs Four Pole

25 AMP

FOUR MODULE

40 AMP

FOUR MODULE



6216s



6716s



5640s



6980s



6425s



6440s



6630s



5660s



6400s



6240s

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

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

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

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

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

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

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

**1 6425s**  
25A 230/400V  
30mA TRIPPING CURRENT

**1 6440s**  
40A 230/400V  
30mA TRIPPING CURRENT

**1 6240s**  
40A 230/400V  
100mA TRIPPING CURRENT

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

Positive contact status  
indication in accordance  
with 17th Edition IEE  
Wiring Regulations  
(537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
85 x 36 x 75mm

CABLE CAPACITY:  
50mm<sup>2</sup>

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

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

Positive contact status indication in  
accordance with 17th Edition IEE Wiring  
Regulations  
(537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
85 x 72 x 75mm

CABLE CAPACITY:  
50mm<sup>2</sup>

BS EN 61008:1995

required to the indirect contact  
protection requirements of the  
IEE wiring regulations.

DIMS: 81 x 36 x 76mm

CABLE CAPACITY: 50mm<sup>2</sup>

BS EN 61008: 1995

NOT TO BE USED FOR  
PERSONAL PROTECTION  
AGAINST ELECTRIC SHOCK

### FACTORY BUILT SERVICE

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



technical hotline +44 (0)1268 563720

circuit protection

## Industrial 10kA RCD Pulsating D.C. Fault Current Sensitive Four Pole

## Contactors

63 AMP

FOUR MODULE

FOUR MODULE

ONE MODULE TWO MODULE THREE MODULE



6463s



6640s



6363s



6220s



7240s



7440s



6720s



7263s



7463s

### 6463s

63A 230/400V  
30mA TRIPPING CURRENT

1

### 6363s

63A 230/400V  
100mA TRIPPING CURRENT

1

### 6263s

63A 230/400V  
300mA TRIPPING CURRENT

1

### 6640s

40A 230/400V  
30mA TRIPPING CURRENT

1

Suitable for installation in Sentry two or four module enclosures.

Positive contact status indication in accordance with 17th Edition IEE Wiring Regulations (537.2.2.2 and 537.3.2.2)

DIMENSIONS:  
85 x 72 x 75mm

CABLE CAPACITY:  
50mm<sup>2</sup>

BS EN 61008: 1995

1

### 6220s

20A  
DOUBLE POLE

### 6720s

20A  
DOUBLE POLE  
WITH MANUAL  
OVERRIDE

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)

1

### 6420s

20A  
FOUR POLE

1

### 7240s

40A  
DOUBLE POLE

### 7263s

63A  
DOUBLE POLE

### CONTACTOR RATINGS:

List no	6220s 6420s 6720s	7240s 7440s	7263s 7463s
RATED CURRENT I <sub>th</sub>	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 <sup>2</sup> rigid	25mm <sup>2</sup> rigid	25mm <sup>2</sup> rigid

BS EN 61095

### 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 (including half module blank)

1

1

1

### 7440s

40A  
FOUR POLE

1

### 7463s

63A  
FOUR POLE

1

## Bell Transformer

TWO MODULE



5711s

## Time Switches

SYNCHRONOUS  
THREE MODULE

5707s



5724s

QUARTZ  
STABILISED  
THREE MODULE

5824s

SYNCHRONOUS  
ONE MODULE

5833s

DIGITAL  
ONE CHANNEL  
TWO MODULE

5731s

DIGITAL  
ONE CHANNEL  
ONE MODULE

5733s

DIGITAL  
TWO CHANNEL  
TWO MODULE

5732s

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

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 2.5mm<sup>2</sup>  
EN 61558-2-8

**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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>

**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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>  
EN 60730-2-7: 1993

**5833s** 1  
24 HOUR DIAL  
MIN SETTING 20 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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>  
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 50 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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>  
EN 60730-2-7: 1993

**5733s** 1  
24 HOUR DIAL  
MIN SETTING 1 MINUTE

Provides 50 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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>  
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 50 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 2.5mm<sup>2</sup> or 4 x 1.5mm<sup>2</sup>  
EN 60730-2-7: 1993

technical hotline +44 (0)1268 563720

circuit protection

## Time Delay Switches

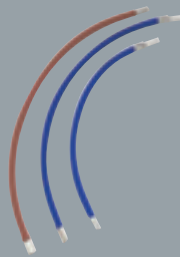
## Consumer Unit Cable Kits

## Accessories

### ONE MODULE



5650s



K5563s



K5565s



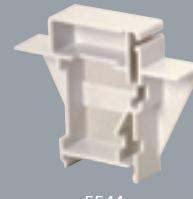
5562s



K8041s



K5593s



5544s



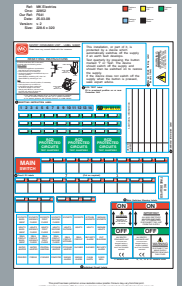
K5545sMAG



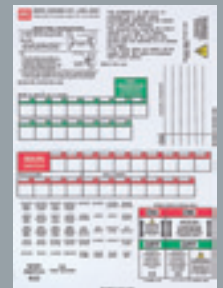
K5511s



KAX26s



K5597s



K5599s

**5650s**  
DELAY RANGE  
1 - 7 MINUTES (APPROX)

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 overridden 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 CFLS 100W Max. Maximum of 9 units can be connected 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 4mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup>

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

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

**5** **K5568s**  
17th Edition cable kit for switch and twin RCD arrangement

**5** **K5567s**  
A&D cable kit for switch plus triple RCD arrangement

**K5563s**  
For use when assembling split-load 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 25mm<sup>2</sup> capacity terminal with clamp screw.

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

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

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

**10** **K5545sMAG**  
COVER MOUNTED BLANK  
For filling spaces in the 'K' series Sentry consumer unit cover, where there are unused modules.

**1** **K5511s**  
BUSBAR  
11 module.

**1** **K5590s**  
BUSBAR  
20 module.

**10** **KAX26s**  
BUSBAR COVER  
Suitable for insulating the busbars K5511s and K5590s 20 module.

**5** **K5597s**  
CONSUMER UNIT LABELS  
Additional printed and blank labels, for identifying devices and circuits on Dual & Triple RCD boards

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