

Part M Product Guide



Part M Product Guide

An introduction to Part M of the Building Regulations: Part M USE OF BUILDINGS. It is estimated that 8.6 million people in the UK are unable to assist with the facilities for people with disabilities, the Office of the Deputy Prime Minister. The Building Regulations 2000 have issued Part M, which covers the enabling of buildings and facilities by disabled people, whether visiting, working or

Part M is split into four requirements:

- M1** Access and Use
- M2** Access to Extensions to Buildings other than dwellings
- M3** Sanitary conveniences in extensions to buildings other than dwellings
- M4** Sanitary conveniences in dwellings

M1 refers to the access and use of a building, which includes the facilities within the building such as switches, socket outlets and other electrical devices.

Access and Use

- M1** Reasonable provision shall be made for people to –
 - (a) gain access to; and
 - (b) usethe building and its facilities.





Part M ACCESS TO AND THE
are classified as disabled. To
ty Prime Minister, under the
try and use of all building
dwelling in them.



Guidance for meeting the requirements of Part M of the Building Regulations is given in the associated publication Approved Document M. How the requirements in Part M should be applied may be subjective due to the large scope of the definitions within Approved Document M. How they are met will depend largely upon the building owner's, or specifiers appreciation, definition or understanding of the term disabled, and its implications.

MK Electric offer a wide range of products which will enable compliance with Part M. However, when it comes to specifying electrical accessories, the onus for following the regulations is on the specifier or contractor. Firstly, appropriate selection of products considered to meet the regulations must be made, secondly they must be installed and positioned to meet the regulations.



Part M Product Guide

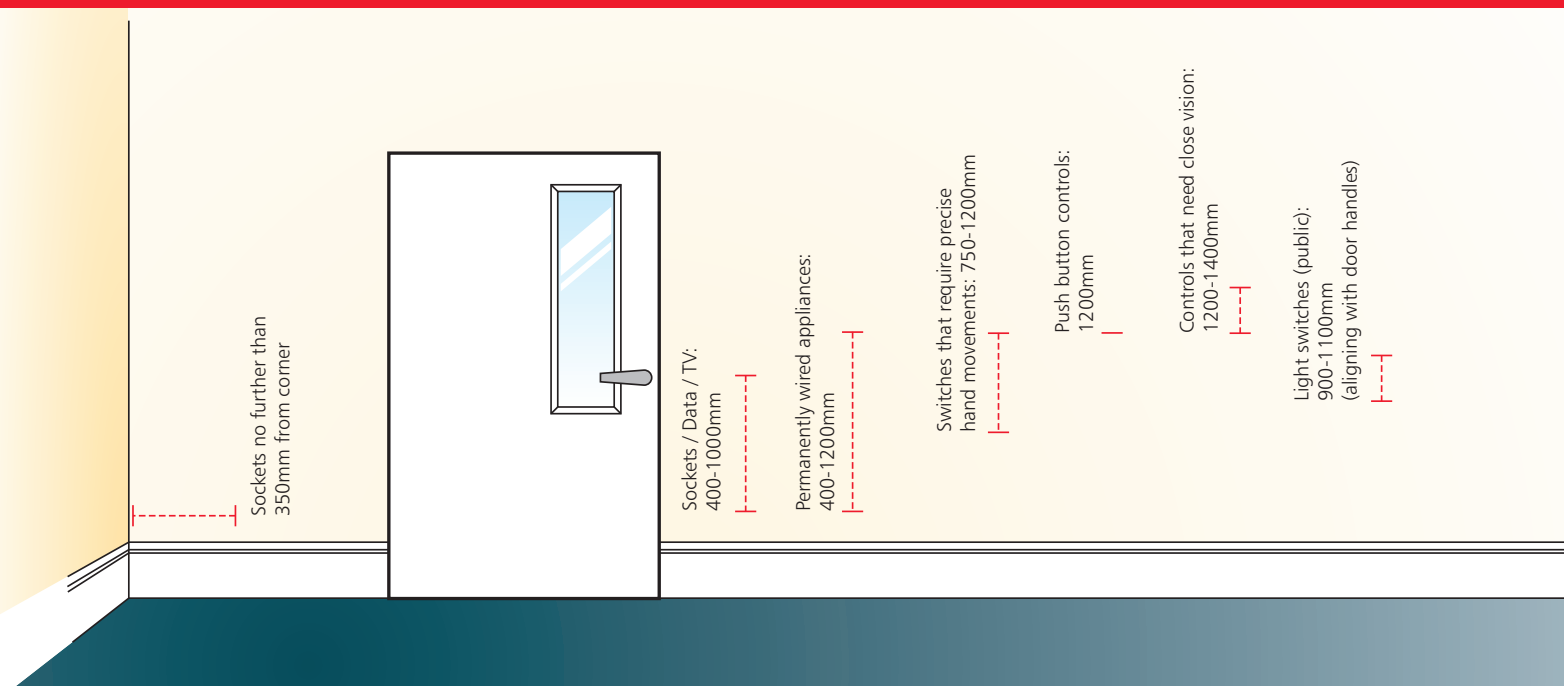


The requirements of Approved Document M regarding wiring devices are two fold, they encapsulate the design considerations and the provisions for meeting these considerations.

Design Considerations

Section 4.25 – 4.29 of M1 of Approved Document M outline the design considerations, some of the key points are:

- The key factors that affect the use of the switches, outlets and controls are ease of operation, visibility, height and freedom from obstruction
- A consistent relationship with doorways and corners will reinforce the ease with which people manipulate switches and controls
- All users should be able to locate a control, know which setting it is on and use it without inadvertently changing its setting
- Controls that contrast with their surroundings are more convenient for the visually impaired as are light switches that are activated by a large push pad
- It is an advantage if individual switches on panels and multiple socket outlets are well separated or in the form of large touch plates, to avoid the inadvertent selection of an adjacent control by visually impaired people and people with limited dexterity
- The colours red and green should not be used in combination as indicators of “on” and “off” for switches and controls. It may be useful to use text or a pictogram to clarify the purpose and status of multiple switches and controls



Provisions for meeting the design considerations

In addition, Section 4.30 of M1 of Approved Document M gives the provisions for meeting the design considerations.

In total, 13 provisions are given, some of those are concerning the accessory mounting heights to give ease of access over control features:

- Wall mounted Sockets, Data, Telephone & TV points at 400-1000mm with a preference for the lower range
- Sockets no nearer than 350mm from room corners
- Switches for permanently wired appliances at 400-1200mm unless needed at a higher level for particular appliances
- Switches and controls that require precise hand movements at 750-1200mm
- Simple push button controls that require limited dexterity at 1200mm
- Controls that need close vision at 1200-1400mm so that readings may be taken by a person sitting or standing
- Light switches for use by the general public align horizontally with door handles within the range 900-1100mm

Part M Product Guide



Black Edge plateswitch



Graphite Logic Plus plateswitch with contrasting white rocker



White Aspect plateswitch with contrasting charcoal rockers

Important points to consider when meeting the requirements of Part M are mounting heights, ease of operation and visibility.

Part M recommends a contrast of 30% Light Reflective Value (LRV) between a frontplate and wall. White has an LRV of 100 and black 0. MK has developed switches and sockets with graphite frontplates for contrast to walls with an LRV of 70 or more.

MK's cable management systems can also comply with Part M. Prestige Plus and Powerlink Plus are available in charcoal to provide a contrast to white wiring accessories. The main carrier cover can be ordered as a separate component, allowing for easy retro-fitting of a charcoal central compartment.

Some may consider this requirement refers to the complete product contrasting with the mounting surface, whilst others may consider it is the switch that should contrast with its frontplate. The regulation states that switches, outlets and controls will satisfy requirement M1 if:

- h) front plates contrast visually with their background.

MK has ensured that their products can accommodate both contrast of frontplate and wall, and contrast of switch and frontplate to meet any requirement.

Charcoal Avant Connection Unit with contrasting white rocker with neon, plus switched socket outlet with contrasting white rocker with red flash





White Prestige Plus with contrasting black Edge data and switched socket outlet



Charcoal Powerlink Plus with contrasting white switched socket, telephone and data outlets

Approved Document M is also specific about switches and controls that indicate they are either 'on' or 'off', but maintains that they should not use green and red indicators together. A recommendation is that switched socket outlets indicate that they are 'on'. A neon indicator that shows 'on' is recommended by The Disabled Living Foundation, an organisation that helps older and disabled people find equipment solutions that enable them to lead independent lives. Alternatively, all standard MK sockets have a red flash which is visible when the switch is in the 'on' position.

Light switches used by the general public are encouraged to have large push pads and be mounted at a height corresponding to the door handle, within the range 900mm and 1100mm. This would enable people with a physical disability or visual impairment to both locate and activate them easily. The Disabled Living Foundation advise that large push pads are beneficial, as they can be operated by a fist or elbow. Plateswitches with wide rockers are available in the Logic Plus range and some Decorative ranges of MK wiring devices.

Graphite Logic Plus plateswitch with contrasting white wide rockers



Brushed Stainless Steel Aspect plateswitch with wide rocker



Part M Specification Guide



Chroma Plus switched socket outlet with outboard rockers and neons



Brushed Stainless Steel 6 module Grid Plus frontplate with contrasting graphite rockers



Metalclad switched socket outlet with outboard rockers

The provisions also require individual switches on multiple sockets and panels be 'well separated', or activated by a large push pad to prevent inadvertent operation. MK Socket outlets with outboard rockers are available and provide ease of use for those with visual impairment or limited dexterity. In addition, the MK Grid Plus range provides a varying degree of separation of switches.

Presence detection via Passive Infra Red detectors can eliminate the need of use of a switch or pull cord in some areas. The MK Link range offers a PIR presence detector, which can activate lighting, and incorporate an adjustable time delay from 'on' to 'off' and a light level detector.

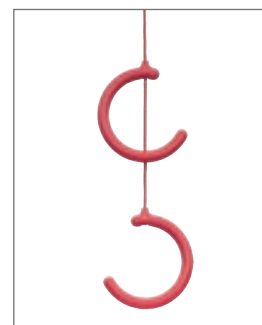
Approved Document M recommends pull cords for emergency alarm systems be coloured red, and that all pull cords should be fitted with 50mm bangles to aid grip. The emergency pull cord should be fitted with two bangles, one at a height of 100mm above the floor and one at a height of 800mm to 1000mm above the floor, and located as close to a wall as possible. MK pull cords are available in red for emergency use, and can be used in conjunction with red bangles for ease of visibility, identification and use.

Where wall mounted light switches can not be provided, such as in bathrooms or toilets, pull cords fitted with 50mm bangles to aid grip are recommended. The lighting pull cord should be set between 900mm and 1100mm above the floor. The bangles should be visually contrasting with their background and distinguishable visually from any emergency assistance pull cord. MK provide a white pull cord which can be used in conjunction with a graphite bangle.

White Pull cord with graphite bangle



Red Emergency Pull Cord with 2 red bangles





Product Selector

IMAGE	LIST NO.	DESCRIPTION
LOGIC PLUS		
	K2476 GRA	2G 13A Graphite Switched Socket Outlet with Outboard Rockers & Neons
	K2476 WHI	2G 13A DP Switched Socket Outlet with Outboard Rockers & Neons
	K2476 CE WHI	2G 13A DP Switched Socket Outlet with Outboard Rockers & Neons & 'Clean Earth' facility
	K2476 D1 RED	2G 13A Red Switched Socket Outlet with Red Outboard Rockers & Neons
	K2476 D1 WHI	2G 13A Switched Socket Outlet with Red Outboard Rockers & Neons
	K2746 D2 WHI	2G 13A DP Switched Socket Outlet with Green Outboard Rockers
	K2657 GRA	1G 13A DP Graphite Switched Socket Outlet & Neon
	K2746 GRA	2G 13A DP Graphite Switched Socket Outlet with Outboard Rockers
	K2757 GRA	1G 13A DP Graphite Switched Socket Outlet with White Rocker
	K4781 GRA	1G 10AX SP 2 Way Graphite Plateswitch with Wide Rocker
	K4782 GRA	2G 10AX SP 2 Way Graphite Plateswitch with Wide Rocker
	K4785 GRA	1G 10AX SP Intermediate Graphite Plateswitch with Wide Rocker
	K4870 GRA	1G 10AX SP 1 Way Graphite Plateswitch with White Rocker
	K4871 GRA	1G 10AX SP 2 Way Graphite Plateswitch with White Rocker
	K4872 GRA	2G 10AX SP 2 Way Graphite Plateswitch with White Rocker
	K2751 D1 RED	1G 13A DP Red Switched Socket Outlet
	K2657 D1 RED	1G 13A DP Red Switched Socket Outlet with Neon
	K2757 D1 WHI	1G 13A DP Switched Socket Outlet with Red Rocker
	K2757 D2 WHI	1G 13A DP Switched Socket Outlet with Green Rocker
	K4781 WHI	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4782 WHI	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4783 WHI	3G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4785 WHI	1G 10AX SP Intermediate Plateswitch with Wide Rocker
GRID PLUS		
	K3631 GRA	1 Module Frontplate Graphite
	K3632 GRA	2 Module Frontplate Graphite
	K3633 GRA*	3 Module Frontplate Graphite

IMAGE	LIST NO.	DESCRIPTION
	K3636 GRA	6 Module Frontplate Graphite
	K3638 GRA	8 Module Frontplate Graphite
	K3631 WHI	1 Module Frontplate White
	K3632 WHI	2 Module Frontplate White
	K3633 WHI	3 Module Frontplate White
	K3636 WHI	6 Module Frontplate White
	K3638 WHI	8 Module Frontplate White
	K4881 GRA	10A SP 1 Way Switch Graphite
	K4882 GRA	10A SP 2 Way Switch Graphite
	K4891 GRA	20A SP 1 Way Switch Graphite
	K4896 GRA	20A DP 1 Way Switch Graphite
	K4896N GRA	20A DP 1 Way Graphite Switch & Neon
	K4880 GRA †	1 Module Blank Insert Graphite

* product available from March 2006

† product available from January 2006






CEILING ACCESSORIES

	03190RCD1WHI	6A SP 2 Way Ceiling Switch with 3M Red Cord & 2 x Red Bangle
	03191D1WHI	6A SP 1 Way Ceiling Switch with 2M White Cord & 1 x Graphite Bangle
	03192D1WHI	6A SP 2 Way Ceiling Switch with 2M White Cord & 1 x Graphite Bangle
	09420SSD1S2T9	3M Red Cord With Joint Union & 2 x Red Bangle
	8329SSWHID1S2T9	2M White Cord With Joint Union & Graphite Bangle

ASPECT

	K24357*	1G 13A DP Switched Socket Outlet
	K24657*	1G 13A DP Switched Socket Outlet with Neon
	K23471*	1G 10AX SP 2 Way Plateswitch with Large Rocker
	K23472*	2G 10AX SP 2 Way Plateswitch with Large Rocker
	K23473*	1G 10AX SP 2 Way Plateswitch with Wide Rocker











Product Selector

IMAGE	LIST NO.	DESCRIPTION
	K24331*	1 Module Frontplate
	K24332*	2 Module Frontplate
	K24333*	3 Module Frontplate
	K24346*	6 Module Frontplate
	K24348*	8 Module Frontplate

* add appropriate finish code:

BSS Brushed Stainless Steel **PBR** Polished Brass **POC** Polished Chrome **WHI** White
CHA Charcoal **CHM** Champagne **SCR** Satin Chrome

EDGE





	K14357*	1G 13A DP Switched Socket Outlet
	K14657*	1G 13A DP Switched Socket Outlet with Neon
	K13471*†	1G 10AX SP 2 Way Plateswitch with Large Rocker
	K13472*†	2G 10AX SP 2 Way Plateswitch with Large Rocker
	K13473*†	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K14331*	1 Module Frontplate
	K14332*	2 Module Frontplate
	K14333*	3 Module Frontplate
	K14346*	6 Module Frontplate
	K14348*	8 Module Frontplate

* add appropriate finish code:

BSS Brushed Stainless Steel **PBR** Polished Brass
SAA Silver Anodised Aluminium **POC** Polished Chrome **WHI** White
BLA Black **PBZ** Polished Bronze **ABR** Antique Bronze
BBR Brushed Brass **GLD** Gold Plated













†product available from February 2006

ALLOY

	K5357*	1G 13A DP Switched Socket Outlet
	K5331*	1 Module Frontplate
	K5332*	2 Module Frontplate
	K5333*	3 Module Frontplate

* add appropriate finish code:

BNI Brushed Nickel **BLN** Black Nickel **POC** Polished Chrome

IMAGE	LIST NO.	DESCRIPTION
ALBANY PLUS		
	K2497*	2G 13A DP Switched Socket Outlet with Outboard Rockers & Neons
	K2497CE*	2G 13A Switched Socket Outlet with Outboard Rockers & Neons & 'Clean Earth' facility
	K2497D6*	2G 13A DP Switched Socket Outlet with Red Outboard Rockers & Neons
	K2958*	1G 13A DP Switched Socket Outlet
	K2458*	1G 13A DP Switched Socket Outlet with Neon
	K4761*	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4762*	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K3431*	1 Module Frontplate
	K3432*	2 Module Frontplate
	K3433*	3 Module Frontplate
	K3436*	6 Module Frontplate
	K3438*	8 Module Frontplate

* add appropriate finish code:

BSS Brushed Stainless Steel **MCO** Matt Chrome **SAB** Satin Brass

CHROMA PLUS













	K1259 PCR	2G 13A Non Standard Switched Socket Outlet with Outboard Rockers
	K1529 PCR	2G 13A Non Standard Switched Socket Outlet with Outboard Rockers & Neons
	K2497 PCR	2G 13A Switched Socket Outlet with Outboard Rockers & Neons
	K2497CEPCR	2G 13A Switched Socket Outlet with Outboard Rockers & Neons & 'Clean Earth' facility
	K2947 PCR	2G 13A DP Switched Socket Outlet with Outboard Rockers
	K2947CEPCR	2G 13A DP Switched Socket Outlet with Outboard Rockers & 'Clean Earth' facility
	K2958 PCR	1G 13A DP Switched Socket Outlet
	K2458 PCR	1G 13A DP Switched Socket Outlet with Neon
	K4761 PCR	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4762 PCR	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K3431 PCR	1 Module Frontplate
	K3432 PCR	2 Module Frontplate



IMAGE	LIST NO.	DESCRIPTION
	K3433 PCR	3 Module Frontplate
	K3436 PCR	6 Module Frontplate
	K3438 PCR	8 Module Frontplate
GROSVENOR PLUS		
	K4731 POB	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4731 POB B	1G 10AX SP 2 Way Plateswitch with Black Wide Rocker
	K4732 POB	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K4732 POB B	2G 10AX SP 2 Way Plateswitch with Black Wide Rocker
	K4357 POB	1G 13A DP Switched Socket Outlet with White Insert and Rocker
	K4357 POB B	1G 13A DP Switched Socket Outlet with Black Insert and Rocker
	K4331 POB	1 Module Frontplate
	K4332 POB	2 Module Frontplate
	K4333 POB	3 Module Frontplate
	K4346 POB	6 Module Frontplate
	K4348 POB	8 Module Frontplate
SAVOY PLUS		
	K5731 PBS	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K5731 PBS B	1G 10AX SP 2 Way Plateswitch with Black Wide Rocker
	K5732 PBS	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K5732 PBS B	2G 10AX SP 2 Way Plateswitch with Black Wide Rocker
	K5357 PBS	1G 13A DP Switched Socket Outlet with White Insert and Rocker
	K5357 PBS B	1G 13A DP Switched Socket Outlet with Black Insert and Rocker
	K5331 PBS	1 Module Frontplate
	K5332 PBS	2 Module Frontplate
	K5333 PBS	3 Module Frontplate

IMAGE	LIST NO.	DESCRIPTION
	K5346 PBS	6 Module Frontplate
	K5348 PBS	8 Module Frontplate
METAL CLAD PLUS		
	K2945 ALM	2G 13A DP Switched Socket Outlet with Outboard Rockers
	K2945 D6 ALM	2G 13A DP Switched Socket Outlet with Outboard Red Rockers
	K2977 ALM	1G 13A DP Switched Socket Outlet
	K2977 D6 ALM	1G 13A DP Switched Socket Outlet with Red Rocker
	K2477 ALM	1G 13A DP Switched Socket Outlet with Neon
	K2477 D6 ALM	1G 13A DP Switched Socket Outlet with Red Rocker and Neon
	K3781 ALM	1G 10AX SP 2 Way Plateswitch with Wide Rocker
	K3782 ALM	2G 10AX SP 2 Way Plateswitch with Wide Rocker
	K3491 ALM	1 Module Frontplate
	K3492 ALM	2 Module Frontplate
	K3493 ALM	3 Module Frontplate
	K3496 ALM	6 Module Frontplate
	K3498 ALM	8 Module Frontplate
MASTERSEAL		
	56400*	1G 10AX SP 1 Way Plateswitch IP56
	54601*	1G 10AX SP 2 Way Plateswitch IP56
	56402*	2G 10AX SP 1 Way Plateswitch IP56
	56406*	1G 10AX DP 1 Way Plateswitch IP56

* add appropriate finish code:

GRY Grey **WHI** White

MK have highlighted a selection of new and existing products which will assist you in meeting the requirements of Part M. For a comprehensive list of relevant MK products, including Prestige Plus, Powerlink Plus and Link please refer to the MK Catalogue, MK Specification Guide or the website, at www.mkelectric.co.uk. Please note a number of finish and insert options (black/white), modules and mounting frames are also available.



MK Electric

The Arnold Centre Paycocke Road Basildon Essex SS14 3EA United Kingdom		Technical Helpline Tel 01268 563720
Customer Service Tel 01268 563404	Literature Helpline Tel 0870 240 3385	E-mail mk_orderenquiries@novar.co.uk
Customer Service Fax 01268 563405	Literature Helpline Fax 0870 240 3386	Website www.mkelectric.co.uk
Registered Office: Honeywell House Arlington Business Park Bracknell Berkshire RG12 1EB Registered No. 18929		Ref: MK166

