



Visually Contrasting
Wiring Accessories

Part M Range™

Part M Range™

Visually Contrasting Wiring Accessories

The Mode® range has been expanded to include a range of anthracite grey finished accessories to comply with current Building Regulations Part M.

Our Part M™ range features the modular design of the Mode® range allowing designers and installers unprecedented flexibility in creating dedicated wiring solutions to deal specifically with virtually all wiring requirements.

All Part M™ wiring accessories are tested and compliant with all UK and European standards.



20 YEAR No Quibble Guarantee

All Part M™ accessories are covered by our straight forward 'No Quibble Guarantee' against any fault in materials or manufacture experienced at any time within 20 years of the date of supply.



Antiviral & Antibacterial Certified

Part M™ plates are manufactured using Urea Formaldehyde, which has similar inherent properties to antimicrobial additives that inhibit the growth of infectious diseases.

Part M™ plates have been independently tested and have shown to have anti-viral properties against enveloped and non-enveloped viruses.

After a contact period of 4 hours, Part M™ was shown to have a 99.9% kill off rate against enveloped viruses and a 92% kill off rate against non-enveloped viruses.

All products independently tested achieved a 99.99% kill off rate across all four types of the strains of bacteria - MRSA, E-Coli, Salmonella, Klebsiella Pneumonia and enveloped viruses.

Contents

Design Considerations	14
Switches	17
Back Boxes	110
Power Socket Outlets	112
Control Switches	115
Ceiling Accessories	116
New Media™ Plates	117
Design Provisions	118
Light Reflectance Values	118
Dry Lining Boxes	120

Building Regulations Part M

Part M1 of the Building Regulations refers to the 'Access and Use' of a building and its facilities with Sections 4.25 to 4.30 then refining the use and design considerations of switches, outlets and controls.

Part of the requirements of Part M1 is to aid disabled people within their surroundings, being able to activate a light, socket or control within arms length, for the visually impaired being able to identify the units' position against its surrounding décor, and for the infirm a suitable pull-cord switch to raise the alarm in the event of an emergency.

The Part M™ Range offers suitable solutions to the elements raised in Part M1 (4.25 to 4.30) with anthracite grey accessories contrasting against the high reflective décor used in the majority of today's' buildings along with a range of pull-cord switches with alternative cords and bangles.

Design Considerations

The key factors that affect the use of switches, outlets and controls are ease of operation, visibility, height and freedom from obstruction.



Pull Cord Provisions

- Where wall mounted switches cannot be provided, i.e. bathrooms and toilets, lighting pull cords are recommended. A 50mm bangle visually contrasting with its background needs to be fitted between 900mm and 1100mm above the floor
- For emergency alarms systems the pull cord and bangle needs to be coloured red and located as close to a wall as possible. Two bangles are to be fitted, one set at 100mm and the other set between 800mm and 1000mm above the floor.

- A consistent relationship with doorways and corners will further 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 setting it on and use it without inadvertently changing its setting
- Controls that contrast visually with their surroundings are more convenient for visually impaired people, as are light switches that are activated by a large push pad
- It is also an advantage if individual switches on panels and on 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.

Switches

All 10AX plate switches feature individual switch modules all fully interchangeable between plastic and metal ranges - thus providing optimum flexibility in wiring.



The products illustrated in this section of the catalogue are finished plates and unfurnished mounting plates. For information on the full range of modules available please refer to the Minigrad® section of this catalogue.

10AX Plate Switches

Switches

Part M Range™



011



012



013



811



812



813

MINIGRID® Polar White switch modules fitted, interchangeable with MiniGrid® Modules. For the complete range of MiniGrid® modules, see the dedicated MiniGrid® section, page K18.

Plates Switches - MiniGrid®

CMA011AG	10AX 1 Gang 2 Way Plate Switch
CMA012AG	10AX 2 Gang 2 Way Plate Switch
CMA013AG	10AX 3 Gang 2 Way Plate Switch

Wide Rocker Switches - Non Modular

CMA811AG	10AX 1 Gang 2 Way Wide Rocker Switch
CMA812AG	10AX 2 Gang 2 Way Wide Rocker Switch
CMA813AG	10AX 3 Gang 2 Way Wide Rocker Switch

Standards: BS EN 60669-1
 Back Box Depth (mm): 16
 Cable Size (mm²): 011 012 013: 4 x 1.5 or 2 x 2.5 811 812 813: 2 x 1.5
 Dimensions (mm): 86 (W) x 86 (H) x 9.5 (D)



401

402

403

404

426



For the complete range of MiniGrid® modules, see the dedicated MiniGrid® section, page K18.

Unfurnished Plates - MiniGrid®

- CMA401AG 1 Gang MiniGrid® Unfurnished Plate - 1 Aperture
- CMA402AG 1 Gang MiniGrid® Unfurnished Plate - 2 Apertures
- CMA403AG 1 Gang MiniGrid® Unfurnished Plate - 3 Apertures
- CMA404AG 2 Gang MiniGrid® Unfurnished Plate - 2 x 2 Apertures
- CMA426AG 2 Gang MiniGrid® Unfurnished Plate - 6 In-Line Apertures

Standards: BS 5733
 Back Box Depth (mm): Dependent On Modules Fitted
 Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D)



512



518

2 Tier Unfurnished Plates - MiniGrid®

VPAG512 2 Tier MiniGrid® Unfurnished Plate c/w Gaskets
 - 12 Apertures - Part M™

Polar™ & Deco® Victorian plate finishes also available.
 2 x GR100 Yokes required, see page I10

3 Tier Unfurnished Plates c/w Gaskets - MiniGrid®

VPAG518 3 Tier MiniGrid® Unfurnished Plate c/w Gaskets
 - 18 Apertures - Part M™

Polar™ & Deco® Victorian plate finishes also available.
 3 x GR100 Yokes required, see page I10.



If dimmer modules are to be mounted directly above each other, the MD9014 (page K37) or similar height dimmer modules must be installed. Alternatively, retractive switch modules MD004 (page K21) can be used in conjunction with Click Smart+ dimming receivers (page A20).

Standards: BS 5733
 Back Box Depth (mm): 47
 Dimensions (mm): 512: 146 (W) x 146 (H) x 8 (D) 518: 146 (W) x 227 (H) x 8 (D)

Example of yoke furnished with modules



MINIGRID®

Galvanised steel back boxes supplied for flush mounting of the large MiniGrid® plates. Mounting Yoke facilitates pre-assembly of required modules. Fitted with twin earth terminals.



GR100

WA512

WA518

Yokes

- GR100BK MiniGrid® Module Yoke - 6 Apertures - Black
- GR100PW MiniGrid® Module Yoke - 6 Apertures - White

Galvanised Steel Back Boxes

- WA512 2 Tier 47mm Deep K.O. Box
- WA518 3 Tier 47mm Deep K.O. Box

2 or 3 yokes are required based on the backbox selected.

Standards: 512 518: BS 4662
 Dimensions (mm): GR100: 129 (W) x 55 (H) x 14 (D) WA512: 137 (W) x 137 (H) x 47 (D) WA518: 137 (W) x 197 (H) x 47 (D)

Power Socket Outlets, Fused Connection Units & Control Switches

All Part M™ 13A sockets and fused connection units are tested and approved to BS1363 offering assured quality and safety.

The provision of large twin earth terminals on our two gang sockets and fused connection units greatly facilitates wiring and installation

The Part M™ range offers a solution for almost every possible design need and will enhance the décor of any area whether in a kitchen, bedroom, lounge or study etc...



13A Wall Socket Outlets
Fused Connection Units
DP Switches

Safety Shutter Sockets (Excluding USB options) are only available for sale in the Republic of Ireland.



035 | 1035



836 | 1836



835 | 1835



840 | 1840

Switched Socket Outlets

- CMA035AG 13A 1 Gang DP Switched Socket
- CMA835AG 13A 1 Gang DP Switched Socket With Neon
- CMA836AG 13A 2 Gang DP Switched Socket With Outboard Rockers (Twin Earth)
- CMA840AG 13A 2 Gang DP Switched Socket With Neons & Outboard Rockers (Twin Earth)

Switched Safety Shutter Socket Outlets

- CMA1035AG 13A 1 Gang DP 3 Pin Safety Shutter Switched Socket
- CMA1835AG 13A 1 Gang DP 3 Pin Safety Shutter Switched Socket & Neon
- CMA1836AG 13A 2 Gang DP 3 Pin Safety Shutter Switched Socket With Outboard Rockers (Twin Earth)
- CMA1840AG 13A 2 Gang DP 3 Pin Safety Shutter Switched Socket With Outboard Rockers & Neons (Twin Earth)

Standards: BS 1363-2
 Back Box Depth (mm): 25 Cable Size (mm²): 3 x 2.5 or 2 x 4
 Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D)



100



735
Locating socket



736
Locating socket

Locating Plug Sockets

- CMA735AG 13A 1 Gang DP Switched Locating Plug Socket
- CMA736AG 13A 2 Gang DP Switched Locating Plug Socket With Outboard Rockers (Twin Earth)

Dual Voltage Shaver Socket

- CMA100AG 115/230V Dual Voltage Shaver Socket

Click® dual voltage shaver outlets incorporate a double wound isolating transformer rated 20Va at 230V or 115V and meets BS EN 61558-2-5:2010 making it safe for use in bathrooms. Shaver outlet is not continuously rated and therefore not suitable for use as a permanent charging outlet.

Standards: BS 1363-2 100: BS EN IEC 61558-1 BS EN 61558-2-5
 Back Box Depth (mm): 25 Cable Size (mm²): 3 x 2.5 or 2 x 4 100: 2 x 1.5 or 1 x 2.5
 Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D) 100: 86 (W) x 146 (H) x 9.5 (D)

Safety Shutter Sockets (Excluding USB options) are only available for sale in the Republic of Ireland.



771U



770



780



786



Switched Sockets With USB Outlets

- CMA771UAG 13A 1 Gang Switched Socket With 2.1A USB Outlet (Twin Earth)
- CMA770AG 13A 2 Gang Switched Socket With 2.1A USB Outlet (Twin Earth)
- CMA780AG 13A 2 Gang Switched Socket With Twin 2.1A USB Outlets (4.2A) (Twin Earth)
- CMA786AG 13A 2 Gang Switched Safety Shutter Socket Outlet With Type A & C USB (4.2A) Outlets (Twin Earth)

Standards: BS 1363-2: 2016 +A1: 2018 BS EN IEC 62368-1 BS EN 62680-1-1
 Back Box Depth (mm): 25 Cable Size (mm²): 3 x 2.5 or 2 x 4
 Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D)



023



052

20A Control Switches With Optional Flex Outlet Through The Bottom

CMA023AG 20A DP Switch With Neon

Fused Connection Units With Optional Flex Outlet Through The Bottom

CMA052AG 13A Switched Fused Connection Unit With Neon



650



651



652

Fused Connection Units Without Flex Outlet

- CMA650AG 13A Fused Connection Unit
- CMA651AG 13A Switched Fused Connection Unit
- CMA652AG 13A Switched Fused Connection Unit With Neon



500



501

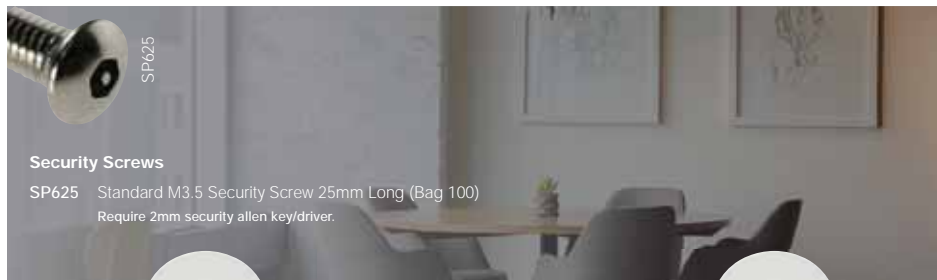


504

45A Switches And Socket Outlets

- CMA500AG 45A 1 Gang DP Switch
- CMA501AG 45A 1 Gang DP Switch With Neon
- CMA503AG 45A 2 Gang (Vertical) DP Switch With Neon
- CMA504AG 45A 2 Gang DP Switch With 13A DP Switched Socket Outlet

Standards: BS 1363-4 BS 1362 023 500 501 503: BS EN 60669-1 504: BS 4177 Back Box Depth (mm): 25 45A: 35
 Cable Size (mm²): 3 x 2.5 or 2 x 4 023: 3 x 2.5 45A: 1 x 16
 Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D) 503: 86 (W) x 146 (H) x 9.5 (D)



Security Screws

SP625 Standard M3.5 Security Screw 25mm Long (Bag 100)
Require 2mm security allen key/driver.



Pull Cord Switches

- PRC210AG 10AX 2 Way Pull Cord Switch With Grey Bangle
- PRC216AG 16A DP Pull Cord Switch With Grey Bangle
- PRW208AG 10A 3 Pole Fan Isolation Pull Cord Switch With Grey Bangle
- PRW210AG 45A DP Pull Cord Switch With Mechanical 'On/Off' & Neon - Grey Bangle
- PRW210RD 45A DP Pull Cord Switch With Mechanical 'On/Off' & Neon - Red Bangle
- PRW211AG 50A DP Pull Cord Switch With Mechanical 'On/Off' & Neon - Grey Bangle
- PRW211RD 50A DP Pull Cord Switch With Mechanical 'On/Off' & Neon - Red Bangle
- PRW213AG 50A DP Round Pull Cord Switch With Mechanical 'On/Off', Neon, Pattress & Grey Bangle
- PRW213RD 50A DP Round Pull Cord Switch With Mechanical 'On/Off', Neon, Pattress & Red Bangle

Standards: BS EN 60669-1
Back Box Depth (mm): 208: 25 PRC210 213 216: Pattress Supplied PRW210: 35 211: 47
Cable Size (mm²): 208 PRC210 216: 2 x 1.5 or 1 x 2.5 PRW210: 1 x 6 211 213: 1 x 2.5
Dimensions (mm): 86 (W) x 86 (H) x 43 (D) PRW213: 100 (Dia) x 77 (D) PRC210 216: 70 (Dia) x 42 (D)



new media™ For a complete range of New Media™ modules please see our dedicated New Media™ catalogue.

Selecting from a range of module inserts covering all manner of media transfer, the installer will now be able to configure their own arrangement of TV, radio or satellite reception, plus speaker, telephone and data outlets. All modules can be inserted into single or double wall plates, fitted onto standard switch and socket boxes.

All New Media™ plates are suitable for use with standard euro module inserts.

Unfurnished Plates - New Media™

- CMA310AG 1 Gang New Media™ Unfurnished Plate - 1 Aperture
- CMA311AG 1 Gang New Media™ Unfurnished Plate - 2 Apertures
- CMA312AG 2 Gang New Media™ Unfurnished Plate - 4 Apertures

Standards: BS 5733
Back Box Depth (mm): Dependent On Modules Fitted
Dimensions (mm): 1 Gang: 86 (W) x 86 (H) x 9.5 (D) 2 Gang: 146 (W) x 86 (H) x 9.5 (D)

Provision for meeting the design considerations

Section 4.30 of Part M™ lays out the provisions for satisfying the design considerations.

LRV values for finishes with * should be used with caution as the gloss level on these can give inaccurate results depending on lighting and or viewing conditions.

Part M™ Section 0.26 indicates that the visual perception of one element of the building, or fitting within the building against another has a greater light reflectance value difference of 30 points, where black = 0 points and white = 100 points. Where illuminance on surfaces is greater than 200 LUX a difference in light reflectance value should be a minimum of 20 points.

Example: Anthracite grey (LRV 8.9) on a brilliant white background (LRV 100) gives a contrast of 91.1 points which complies with Part M™.

Section 4.30 '(m) frontplates contrast visually with their backgrounds'. This requirement is open to interpretation, with one being the complete product contrasting against its background and another with the switch contrasting against its frontplate. The Part M™ range of products satisfies both.

The contrast values are stipulated within - Design guidance for internal built environments - Reading University.

The information relayed in this brochure is for guidance only, with the specifier or contractor having the responsibility of selecting the products which comply with Part M™ and ensuring they are installed and positioned to meet the regulations.

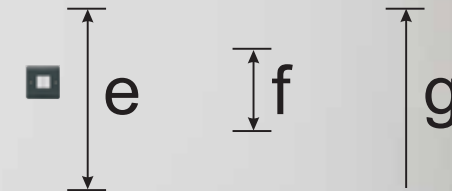
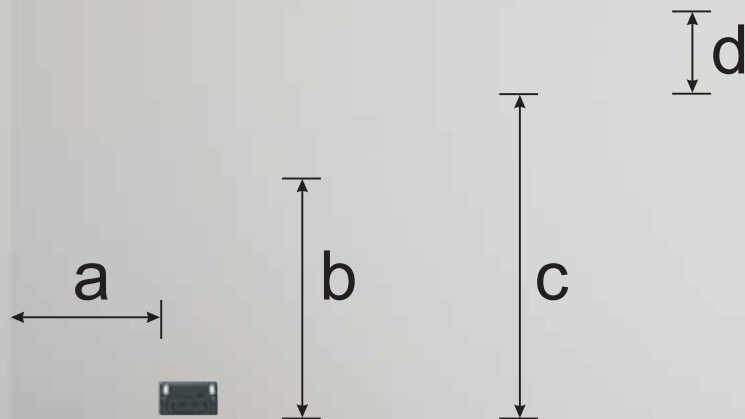
Range	LRV	
CMA***AG	8.9	Anthracite Grey Range
CMA***	74.3	Mode® Range
PRW***	74.3	Polar™ Range
CCA***	74.3	Curva® Range
WA***	83.6	Accessories White Range
CL***	37	Metal Clad Range
WA***RD	15.3	Red Range

GridPro®, Minigrid® & New Media™ Modules

Finish	LRV	
PW	74.3	Polar White
WH	83.6	Accessories White
BK	4.9	Black
RD	15.3	Red

Decorative Finishes

Finish	LRV	
AB*	34.1	Antique Brass
BN*	18.4	Black Nickel
PN*	43.3	Pearl Nickel
SB*	66.9	Satin Brass
SC*	38.3	Satin Chrome
SS*	49.8	Stainless Steel



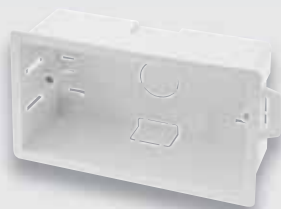
- a. Socket outlets are located consistently to doorways and room corners, but in any case no nearer than 350mm from room corners.
- b. Wall mounted sockets outlets, telephone, data and TV outlets are located between 400mm and 1000mm above the floor, with a preference for the lower end of the range.
- c. Switches for permanently wired appliances are located between 400mm and 1200mm above the floor, unless needed at a higher level for particular appliances.
- d. Controls that need close vision are located between 1200mm and 1400mm above the floor, so that readings may be taken by a person sitting or standing.
- e. All switches that require precise hand movements are located between 750mm and 1200mm above the floor.
- f. Light switches for use by the general public have large push pads and align with door handles within the range 900mm to 1100mm, for ease of location when entering a room.
- g. Simple push button controls that require limited dexterity are not more than 1200mm above the floor.



WA095



WA106P



WA107P



GA100

Galvanised Steel Back Boxes

- WA092 1 Gang 16mm Deep Galvanised Steel K.O. Box
- WA093 1 Gang 25mm Deep Galvanised Steel K.O. Box
- WA094 2 Gang 25mm Deep Galvanised Steel K.O. Box
- WA095 1 Gang 35mm Deep Galvanised Steel K.O. Box
- WA096 2 Gang 35mm Deep Galvanised Steel K.O. Box
- WA097 1 Gang 47mm Deep Galvanised Steel K.O. Box
- WA098 2 Gang 47mm Deep Galvanised Steel K.O. Box
- WA099 1 + 1 35mm Deep Dual Accessory Box
- WA102 1 + 2 35mm Deep Dual Accessory Box

Dry Lining Boxes (Sprung Fixing Lugs)

- WA087SF 1 Gang 35mm Deep Dry Lining Box
- WA088SF 2 Gang 35mm Deep Dry Lining Box
- WA106SF 1 Gang 47mm Deep Dry Lining Box
- WA107SF 2 Gang 47mm Deep Dry Lining Box

Dry Lining Boxes

- WA087P 1 Gang 35mm Deep Dry Lining Box
- WA088P 2 Gang 35mm Deep Dry Lining Box
- WA106P 1 Gang 47mm Deep Dry Lining Box
- WA107P 2 Gang 47mm Deep Dry Lining Box
- WA108P Round Ceiling 34mm Deep Dry Lining Box

Ezylink' Dry Lining Boxes

- GA100 'Ezylink' Dry Lining Box Connector
Suitable for use with WA087P, WA088P, WA106P & WA107P.

essentials™

For the complete range of back boxes see Essentials™ page N4.



WA4135



WA4147



WA4235



WA4247



For the complete range of FlameGuard® back boxes see Essentials™ page N8.

FlameGuard® Dry Lining Boxes

- WA4135 1 Gang 35mm Deep FlameGuard® Dry Lining Box
- WA4235 2 Gang 35mm Deep FlameGuard® Dry Lining Box
- WA4147 1 Gang 47mm Deep FlameGuard® Dry Lining Box
- WA4247 2 Gang 47mm Deep FlameGuard® Dry Lining Box

Spacer Gaskets

- CMA095 1 Gang 10mm Spacer Gasket
- CMA096 2 Gang 10mm Spacer Gasket

FlameGuard® back boxes have been tested and conform to both fire and acoustic BS EN standards. Fire: BS EN 1364-1 Acoustic: BS EN ISO 140-2. Complies with Building Regulations Fire tested up to 90 minutes with the capability of the boxes being mounted back to back.

Blank lined area for notes, consisting of 18 horizontal grey bars.