deta

Product Catalogue
2024 / 2025

Introducing Deta Electrical

Founded in 1958, Deta Electrical is a market leading manufacturer and distributor of wiring, lighting, cable management and electrical installation accessories, with a reputation for unrivalled quality, reliability, service and value for money.

As the number one electrical brand of choice amongst new build housing developers, Deta's products are widely specified and installed across the private and social housing sectors, as well as high rise developments, student accommodation and care homes.

Mission & Core Values

Deta's mission is to use its passion and expertise to provide best-in-class products that meet and exceed ever-changing customer needs.

Trusted
A brand trusted by customers, Deta is synonymous with high product quality, extensive product knowledge and exceptional customer service. Robust quality control throughout the development and manufacturing stages are key to delivering quality products.

Progressive
Focused on continuous progression, Deta is committed to investment in innovation, product design and ease of installation. Digitalisation is at the heart of Deta's strategy, supporting stakeholder requirements and maximising its value chain.

Sustainable
Deta is committed to protecting the environment for future generations, to building an inclusive community and to ensuring it acts in the best interests of society.

Think electrical, think... deta

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Slimline

Slimline has established itself as the white moulded wiring accessory range of choice by professional installers across the country, and has received the highest accolade being specified by many of the major new build housing developers in the UK.

Slimline offers a comprehensive range of accessories, featuring a slim and curved profile, suitable to meet the demands of all modern day domestic and commercial applications.

25-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Product Features

- ▲ CONTEMPORARY DESIGN

- ▲ SLIM AND CURVED PROFILE

- ▲ EASY INSTALLATION

- ▲ FULL RANGE OF ACCESSORIES INCLUDING GRIDSWITCH OPTIONS AVAILABLE

Slimline offers a wealth of features to ensure that installation is fast and effortless. Terminals are angled on many products with white terminal markings and colour coded terminal entries, making wiring simpler, particularly in poor lighting.

Captive, backed-out terminal screws also reduce installation time to a minimum.

All Slimline products are manufactured from a resilient high grade urea with anti-microbial properties and are packaged in individual polybags to ensure that products remain clean and undamaged right up until the point of installation.
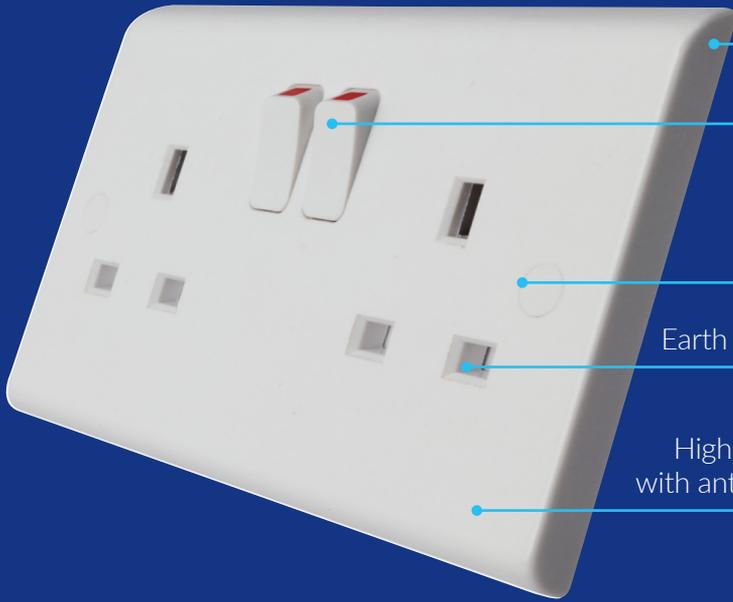
Only 7mm thick

Curved rockers

Fixing screw caps
supplied with
every product

Earth pin operated shutters

High grade urea frontplate
with anti-microbial properties
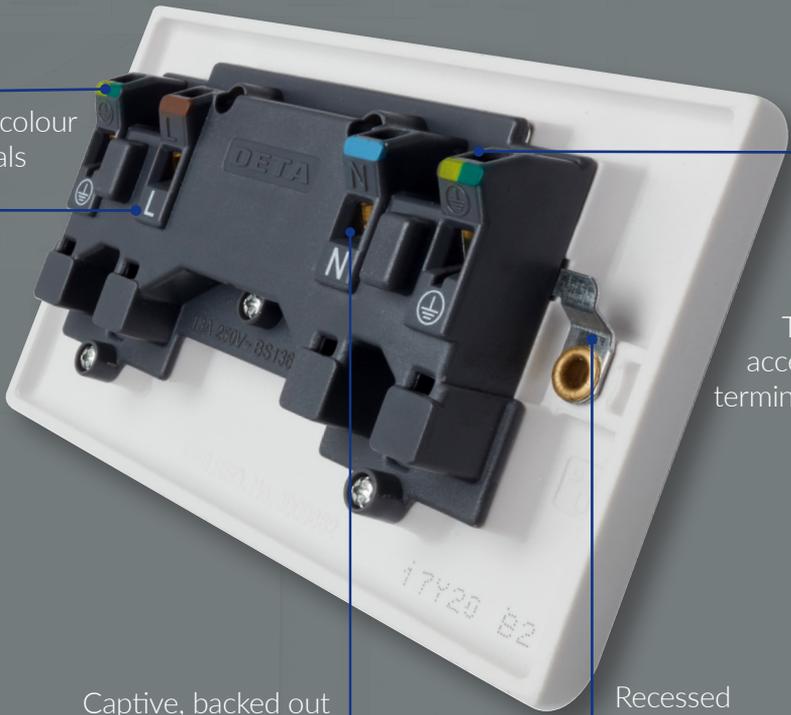
Funnel entry, colour
coded terminals

Clear terminal
markings

Top
access
terminals

Captive, backed out
terminal screws

Recessed
earth bar

Socket Outlets

- Top facing terminal screws
- Colour coded terminals
- Recessed earth bar
- Captive and backed out terminals
- Single and double pole switched versions
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- In compliance with BS 1363: Part 2

Unswitched - 13 Amp

S1206	1 gang unswitched
S1208	2 gang unswitched

Single Pole - 13 Amp

S1207S	1 gang switched
S1207R*	1 gang switched recessed
S1209S	2 gang switched
S1209R*	2 gang switched recessed

Double Pole - 13 Amp

S1207SDP	1 gang switched
S1207DPP	1 gang switched with neon
S1209SDP	2 gang switched
S1209DPP	2 gang switched with neon
S1293	2 gang outboard switched
S1296	2 gang outboard switched clean earth
S1297	1 gang lockable socket

S1206   S1207R

S1207DPP   S1209SDP

S1209DPP   S1293

S1297

Back Boxes minimum recommended depth
1g **Flush** 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm V1221
2g **Flush** 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm V1223

Essential Supply Socket Outlets

- Colour coded terminals
- Recessed earth bar
- Captive and backed out terminals
- Double pole switched sockets
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- 35mm deep back box required
- In compliance with BS 1363: Part 2

Double Pole - 13 Amp

S1291	2 gang switched with red rockers
S1292*	2 gang switched with red faceplate and rockers
S1294*	2 gang outboard with red rockers
S1295*	2 gang outboard with red faceplate and rockers

S1291   S1294

S1292   S1295

A range of switched sockets with highly visible red rockers and/or faceplates for use in areas where it is necessary to permanently highlight essential supply circuits, for example in hospitals, laboratories and computer installations.

Back Boxes minimum recommended depth
2g **Flush** 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm V1223

*Special order product, minimum order quantity and lead time applies

USB Charging Socket Outlets

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

Single Pole 13 Amp + 4.0A USB

S1288	2 gang switched (2 Type A + 1 Type C USB)
S12882	2 gang outboard switched ports (2 Type A + 1 Type C USB)

S1288   S12882

Back Boxes minimum recommended depth
2g Flush 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 33mm V1224

Round Pin Socket Outlets

- Top facing terminal screws
- Earth pin operated safety shutters
- Only one size 4mm screwdriver needed
- In compliance with BS 546

Unswitched

S1330*	1 gang 2A unswitched
S1331*	1 gang 5A unswitched
S1332*	1 gang 15A unswitched

Switched

S1333*	1 gang 5A switched
S1334*	1 gang 15A switched

S1330*   S1331   S1332

S1333   S1334

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540 **Surface** 25mm V1221

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Grey font marking
- Captive and backed out terminals (except S1246 and S1247)
- Only one size 4mm screwdriver needed
- Locator plate fits 1g, 2g and 3g Slimline plate switches, compatibility depends on load
- In compliance with BS EN 60669-1

S1202   S1203   S1204   S1205

10 Amp

S1202	1 gang 1-way
S1203	1 gang 2-way
S1204	2 gang 2-way
S1205	3 gang 2-way
S1244	4 gang 2-way
S1245	6 gang 2-way
S1246	Intermediate
S1321	1 gang 2-way architrave
S1322*	2 gang 2-way architrave
S1325	2 gang 2-way + intermediate

S1244   S1245   S1246

10 Amp Press

| S1249 | 1 gang 2-way press switch |
| S1249B | 1 gang 1-way press switch bell symbol |
| S1323 | 1 gang 2-way 'PRESS' switch architrave |

S1325   S1249   S1249B

10 Amp 3 Pole Fan Isolator

| S1247 | 3 pole fan isolator |

Locator Plate

| S1417LED | LED locator plate |

Door Card Switch

| S1248 | Energy saving |

S1247   S1417LED   S1248

Back Boxes minimum recommended depth
1-3g Flush 16mm DB152 **Dry Lining** 35mm DB2540 **Surface** 16mm V1220E
4-6g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm V1223

S1321   S1322   S1323

Back Boxes minimum recommended depth
1g Flush 27mm DB169 **Surface** 16mm V1324
2g Flush 27mm N/A   **Surface** 16mm V1325

Wide Rocker Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

S1345   S1346

10 Amp

S1345	1 gang 2-way
S1346	2 gang 2-way
S1347	3 gang 2-way
S1348	Intermediate

S1347   S1348

Back Boxes minimum recommended depth
1-3g Flush 16mm DB152 **Dry Lining** 35mm DB2540 **Surface** 16mm V1220E

*Special order product, minimum order quantity and lead time applies

Dimmer Switches

- Universal dimmers for use with dimmable LED, incandescent and halogen lamps
- Suitable for loads up to 250W LED, 350W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Rotary push on/push off dimmers for multiway dimming
- Electronic programming with EPROM memory chip
- Clear terminal markings
- Spare dimmer knobs available
- In compliance with BS EN 60669-2-1

Universal

S1414	1 gang multiway dimming
S1415	2 gang multiway dimming
S1416	3 gang multiway dimming
S1418	4 gang multiway dimming

S1414   S1415

S1416   S1418

Multiway Dimming
Using G3506 Push to Make Switch

- Trailing Edge dimmers for use with dimmable LED (trailing edge control), incandescent and halogen lamps
- Suitable for loads up to 100W LED, 250W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Mechanical brightness adjustment
- Rotary push on/push off dimmers for 2 way switching
- In compliance with BS EN 60669-2-1

Trailing Edge

S1410	1 gang 2-way switching
S1411	2 gang 2-way switching
S1412	3 gang 2-way switching
S1413	4 gang 2-way switching

S1410   S1411

S1412   S1413

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221
2g   Flush 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 25mm V1223

Dimmer Knob Spares

SP0004WH Dimmer knob (pack of 10) - white

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Captive and backed out terminals
- Neon leads enclosed
- Captive fuse carrier
- 2 earth terminals
- In compliance with BS 1363: Part 4

13 Amp Unswitched

S1360	Unswitched spur
S1361	Unswitched spur with neon
S1362	Unswitched spur with front flex outlet
S1363	Unswitched spur with neon and front flex outlet
S1364	Unswitched spur with bottom flex outlet

13 Amp Switched

S1370	Switched spur
S1371	Switched spur with neon
S1372	Switched spur with flex outlet
S1373	Switched spur with neon and flex outlet
S1374	Switched spur with bottom flex outlet

3 Amp Unswitched

S1380*	Unswitched spur - 3A fuse
S1381*	Unswitched spur with neon - 3A fuse

3 Amp Switched

S1386	Switched spur - 3A fuse
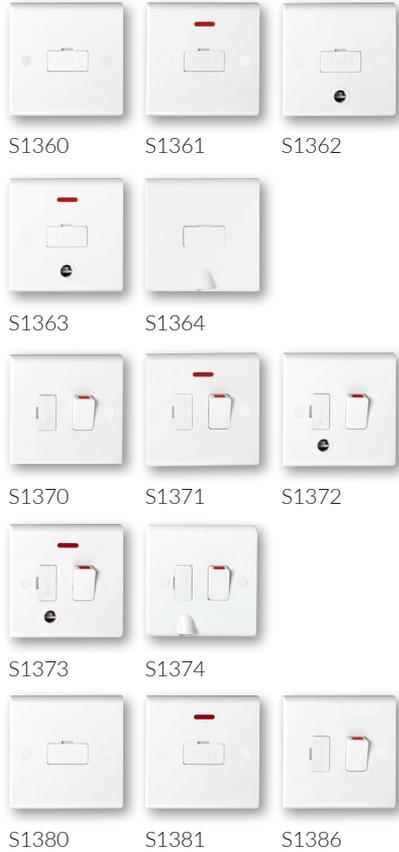
S1360   S1361   S1362

S1363   S1364

S1370   S1371   S1372

S1373   S1374

S1380   S1381   S1386

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm V1221

*Special order product, minimum order quantity and lead time applies

20A Double Pole Switches

- Grey font marking
- Colour coded terminals
- 2 earth terminals
- Neon leads enclosed
- Flex outlet option available
- In compliance with BS EN 60669-1

20 Amp

S1390	Switch
S1390WH	Switch 'WATER HEATER'
S1391	Switch with neon
S1391WH	Switch with neon 'WATER HEATER'
S1392	Switch with flex outlet
S1393	Switch with neon and flex outlet
S1393WH	Switch with neon and flex outlet 'WATER HEATER'
S1218P	Dual switch with neon

S1390 S1390WH S1391 S1391WH

S1392 S1393 S1393WH S1218P

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm V1221

50A Double Pole Switches

- Grey font marking
- Colour coded terminals
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

50 Amp

S1300	Switch with red rocker
S1300P	Switch with neon and red rocker
S1310	Switch with white rocker
S1310P	Switch with neon and white rocker

50 Amp Tall

S1301	Tall switch with red rocker
S1301P	Tall switch with neon and red rocker
S1311	Tall switch with white rocker
S1311P	Tall switch with neon and white rocker

S1300 S1300P S1310 S1310P

S1301 S1301P S1311 S1311P

Back Boxes minimum recommended depth
1g Flush 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm V1228
2g Flush 47mm DB168 **Dry Lining** 46mm DB2543 **Surface** 45mm V1229

Cooker Control Units

- Red or white rockers available
- Colour coded terminals
- Neon leads enclosed
- Grey font marking
- 2 earth terminals
- In compliance with BS 4177 as applicable

Cooker Control

S1302   45A switch with red rocker
            + 13A switched socket

S1312   45A switch with white rocker
            + 13A switched socket

S1302P   45A switch with red rocker and neon
            + 13A switched socket and neon

S1312P   45A switch with white rocker and neon
            + 13A switched socket and neon

Cooker Cable Outlet

S1217   45A cooker cable outlet

S1302

S1312

S1302P

S1312P

S1217

Back Boxes minimum recommended depth
1g **Flush** 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm V1228
2g **Flush** 47mm DB168 **Dry Lining** 46mm DB2543 **Surface** 45mm V1229

Back Boxes - S1217 minimum recommended depth
1g **Flush** 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm V1228

Shaver Socket

2-YEAR GUARANTEE

- Colour coded terminals
- Dual voltage outlet 240V/115V
- Neon indicator
- Grey font marking
- Only one size 4mm screwdriver needed
- In compliance with BS EN 61558-2-5

Shaver Socket

S1305   Dual voltage with neon

S1305

Back Boxes minimum recommended depth
2g **Flush** 47mm DB168 **Dry Lining** 46mm DB2543

Telephone Outlets

- IDC terminals on UK version
- Screw terminals on RJ11
- Oftel approved to NS/G/23/L/100005

Telephone Outlets

S1352	Single master
S1353	Single secondary
S1354	RJ11

S1352   S1353   S1354

Back Boxes minimum recommended depth
1g   Flush 16mm DB152   **Dry Lining** 35mm DB2540 **Surface** 16mm V1221

TV Outlets

- Suitable for standard co-axial BS 3041 plugs

TV Outlets

S1264	Single co-axial isolated
S1265	TV/FM (DAB) diplexer
S1268	Single co-axial non-isolated
S1340	TV/FM (DAB)/satellite triplexer
S1342	TV/FM (DAB)/satellite quadplexer
	and 2 data module spaces

S1264   S1265

S1268   S1340

S1342

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540 **Surface** 25mm V1221
**2g   Flush** 35mm DB165   **Dry Lining** 35mm DB2541 **Surface** 33mm V1224

![deta logo]

Blank Plates

- In compliance with BS 5733

Blank Plates	
S1200	1 gang
S1201	2 gang
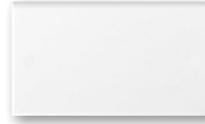
S1200   S1201

Back Boxes minimum recommended depth
1g Flush 16mm DB152   **Dry Lining** 35mm DB2540 **Surface** 16mm V1221

Flex Connection Plates

- Dual terminals of live, neutral and earth on 25A flex connection plates
- In compliance with BS 5733

Flex Connection Plates	
S1215	25A flex outlet plate
S1216	25A flex connection plate (no flex outlet)
S1217	45A cooker cable outlet

S1215   S1216   S1217

Back Boxes minimum recommended depth
1g Flush 25mm DB162   **Dry Lining** 35mm DB2540 **Surface** 25mm V1221

Back Boxes - S1217 minimum recommended depth
1g Flush 47mm DB167   **Dry Lining** 46mm DB2542 **Surface** 45mm V1228

Door Bell and Bell Pushes

[2-YEAR GUARANTEE]

- 240V mains voltage
- Needs wire between door bell and bell push
- 2 tone
- Supplied with additional black cover for bell push

Doorbell Kit
C3504   Door chime and bell push with white and black covers

C3504

Bell Pushes
C3506CH   Chrome bell push
C3507   Bell push with white and black covers

C3506CH   C3507

Grid Plates

- 1 gang to 24 gang sizes
- Grid frames supplied separately, see page 85
- In compliance with BS 5733

Grid Plates	
G3301	1 gang
G3302	2 gang
G3303	3 gang
G3304	4 gang
G3305	6 gang
G3306	8 gang
G3307	9 gang
G3308	12 gang
G3309*	18 gang
G3310*	24 gang

G3301   G3302

G3305

G3304

G3307   G3309
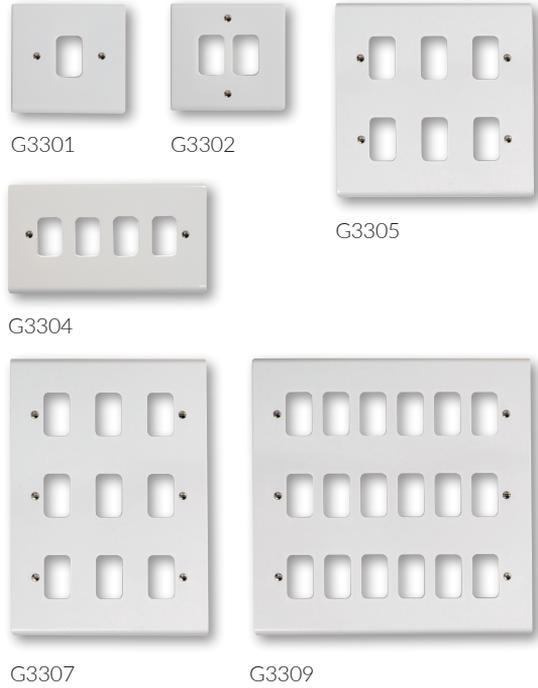
Data Plates

- Accepts standard 50x25mm modules

Data Plates	
S1422	Two module
S1424	Four module

S1422   S1424

Back Boxes minimum recommended depth depending on modules and cable sizes
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2540   **Surface** 33mm V1222
2g   Flush 35mm DB165   **Dry Lining** 35mm DB2541   **Surface** 33mm V1224

*Special order product, minimum order quantity and lead time applies

![deta logo]

Recessed Media Plates

- Supplied with shallow clip-on cover for use when TV is not installed
- Deep clip-on cover option available (sold separately)
- Angled euro module outlet (S1444) recommended - allowing plug to be inserted whilst minimising cable flex

Recessed Media Plates

S15061   Recessed Media Plate

Deep Cover with Recessed Media Plates

S15062   Deep Cover

Media Plates
Where multiple power, telecom, TV and AV outlets are required in one place, a Media Plate provides the perfect solution. Media Plates provide the flexibility to configure the installation to meet your individual requirements. To make the installation even easier, the flush mounting box has a divider between the mains voltage sockets and the extra low voltage modules (refer to BS7671 IET Wiring Regulations). Also available in Slimline Décor and Ultra Flatplate ranges.

S15061   S15062

Back Boxes - Recessed Media Plates minimum recommended depth
DB146   **Width** 190mm   **Height** 78mm   **Depth** 60mm

- Designed to support the flush mounting of a Media Plate
- Includes various cable entry points
- Includes a divider plate to separate LV and ELV services
- In compliance with BS 4662

Metal Boxes
DB146 190mm x 78mm x 60mm

A Discreet and Flexible Wiring Solution for Audio and Visual Technology Within the Home

One Box, Multiple Solutions

Incorporates three (50mm by 50mm) euro module positions suitable for any TV, telephone, data and media outlets and/or an angled power module.

The Recessed Media Plate and a complementary range of euro modules provide a bespoke solution to meet the unique requirements of each home and installation.

A Neat Installation

Recessed and installed within the wall, the Recessed Media Plate is an ideal solution for wall mounted television applications.

Supplied as standard with a shallow cover, the initial installation can be neatly finished with a shallow cover prior to mounting of the television.

Once mounted, an optional deeper cover can be used to provide a tidy housing for all cabling and power.

Width 206mm   Height 86mm   Depth 47mm

Media Plates

- Colour coded terminals
- Recessed earth bar
- Captive and backed out terminals
- Up to eight single data modules can be installed in a S1985
- Flush back box - 40mm deep (DB184) has segregation between LV and ELV sections

Media Plates

S1985	4 gang 13A socket and 8 data module spaces
S1987	4 gang 13A socket with TV/FM/DAB quadplexer Co-Axial female, BT secondary and 4 data module spaces fitted with blanks
S1988	4 gang 13A socket with Co-Axial male, BT secondary and 6 data module spaces fitted with blanks

- Designed to support the flush mounting of a Media Plate
- Includes various cable entry points
- Includes a divider plate to separate LV and ELV services
- In compliance with BS 4662

Metal Boxes

DB184	250mm x 192mm x 40mm

S1985

S1987

S1988

DB184

Back Boxes - Media Plates minimum recommended depth
DB184   **Width** 250mm   **Height** 192mm **Depth** 40mm

deta

Slimline Part M

Slimline Part M accessories are designed to meet the requirements set out within Building Regulations Approved Document M.

Based on the highly established Slimline range, Slimline Part M wiring accessories are supplied with grey frontplates and white rockers, providing visual contrasting and ensuring accessibility, visibility and ease of use.
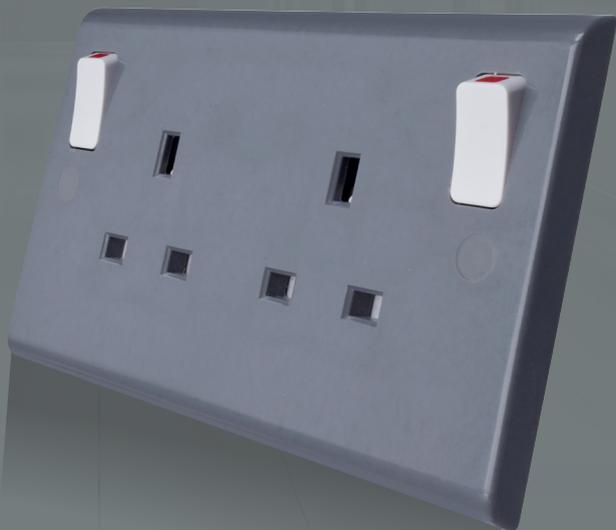
25-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Product Features

- MEETS PART M REQUIREMENTS
- SLIM AND CURVED PROFILE
- EASY INSTALLATION
- POWER, TELECOM, DATA AND AUDIO SOLUTIONS
- IDEAL FOR DOMESTIC BUILDINGS AND FACILITIES USED BY THOSE WITH VISUAL IMPAIRMENTS AND LIMITED DEXTERITY

Slimline offers a dedicated range of Part M wiring accessories with grey frontplates and white switches, making them easily visible to the visually impaired.

Plate Switches offer the option of a wide rocker switch that can be easily operated by those with limited dexterity. Switch rockers on multi-gang plate switches are separated, preventing inadvertent operation.

Socket Outlets offer the option of a two gang switched socket outlet with outboard rockers, preventing inadvertent operation.

The range also includes switches with neon indicators, making it easier for the user to determine if the switch is on or off.
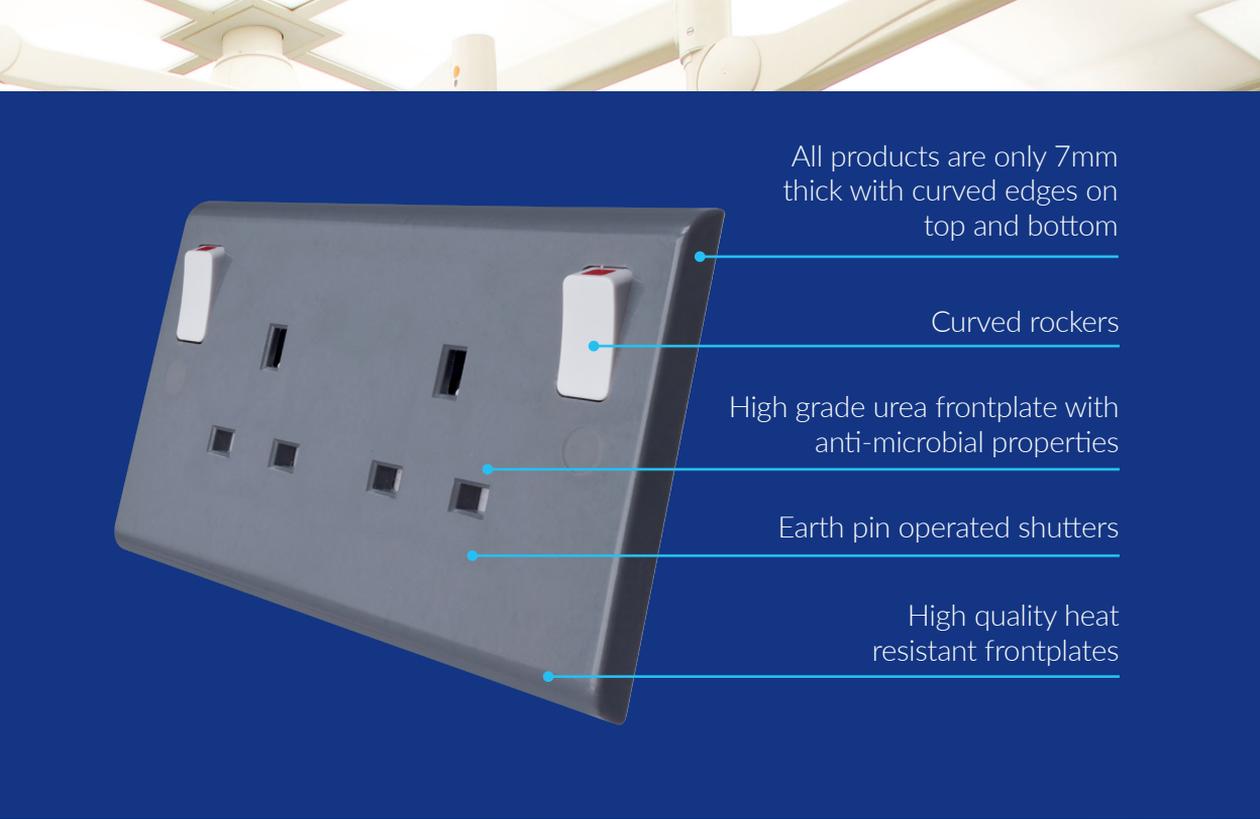
All products are only 7mm thick with curved edges on top and bottom

Curved rockers

High grade urea frontplate with anti-microbial properties

Earth pin operated shutters

High quality heat resistant frontplates
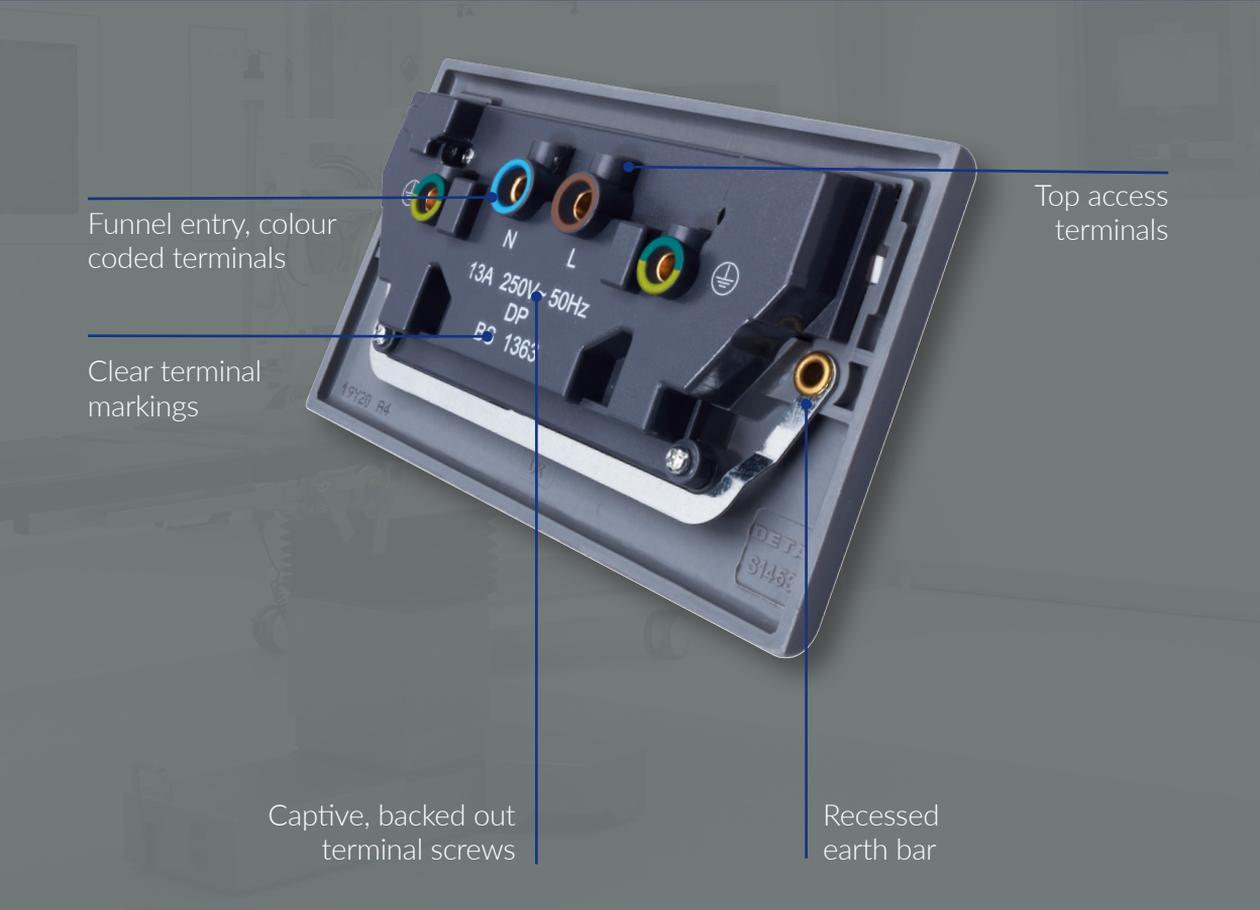
Funnel entry, colour coded terminals

Clear terminal markings

Top access terminals

N   L

13A 250V~ 50Hz
DP
BS 1363

19Y20 A4

DET
81463

Captive, backed out terminal screws

Recessed earth bar

Socket Outlets

- Colour coded terminals
- Recessed earth bar
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- In compliance with BS 1363: Part 2

S1451   S1453

Double Pole - 13 Amp	
S1451	1 gang switched
S1453	2 gang switched

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm V1221
2g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm V1223

USB Socket Outlets

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

S1455

Single Pole - 13 Amp + 4.0A USB	
S1455	2 gang outboard switched and USB charging ports (2 Type A + 1 Type C)

Back Boxes minimum recommended depth
2g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm V1224

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Wide rocker option
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

S1456   S1457   S1461

S1462   S1463

10 Amp	
S1456	1 gang 2-way
S1457	2 gang 2-way

10 Amp Wide Rocker	
S1461	1 gang 2-way
S1462	2 gang 2-way
S1463	Intermediate

Back Boxes minimum recommended depth
1-2g Flush 16mm DB152 **Dry Lining** 35mm DB2540 **Surface** 16mm V1220E

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- In compliance with BS 1363: Part 4

13 Amp Switched

S1471   Switched spur with neon
S1474   Switched spur with bottom flex outlet

S1471   S1474

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

20A Double Pole Switches

- Colour coded terminals
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

20 Amp

S1481   Switch with neon

S1481

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

50A Double Pole Switches

- White font marking
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

50 Amp Tall

S1485   Tall switch with neon

S1485

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543 **Surface** 45mm V1229

Cooker Control Unit

- White font engraving
- Neon leads enclosed
- 2 earth terminals
- S1217 Slimline cooker cable outlet available, see page 14
- In compliance with BS 4177

S1489

Cooker Control

S1489 45A switch with red rocker and neon
+ 13A switched socket and neon

Back Boxes minimum recommended depth
2g Flush 47mm DB168   **Dry Lining** 46mm DB2543   **Surface** 45mm V1229

Shaver Socket

2-YEAR GUARANTEE

- Colour coded terminals
- Dual voltage outlet 240V/115V
- Neon indicator
- Grey font marking
- Only one size 4mm screwdriver needed
- In compliance with BS EN 61558-2-5

S1490

Shaver Socket

S1490 Dual voltage with neon

Back Boxes minimum recommended depth
2g Flush 47mm DB168   **Dry Lining** 46mm DB2543

Data Plates

- Accepts standard 50x25mm modules

Data Plates

S1492 Two module
S1494 Four module

S1492   S1494

Back Boxes minimum recommended depth depending on modules & cable sizes
1g Flush 35mm DB164   **Dry Lining** 35mm DB2540   **Surface** 33mm V1222
2g Flush 35mm DB165   **Dry Lining** 35mm DB2541   **Surface** 33mm V1224

Grid Plates

- 1 gang to 8 gang sizes
- Grid frames supplied separately, see page 85
- In compliance with BS 5733

| Grid Plates	
G3391	1 gang
G3392	2 gang
G3393	3 gang
G3394	4 gang
G3395	6 gang
G3396	8 gang

Back Boxes
A wide range of back boxes are available, please see the Selection Chart on pages 85. We recommend using the deepest back box available to give the most amount of wiring space. Boxes for 6g up to 24g have both 20mm and 25mm knockouts.

G3391   G3392   G3393
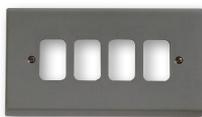
G3394

G3395   G3396

Building Regulations Approved Document M

Building Regulations Approved Document M (commonly referred to as PART M) covers access to and use of buildings and facilities by those that are disabled. Part M involves the provision of wide doorways, ramped access for wheelchairs, design of hand rails, stairwells and so on. Part M comprises of two volumes, Volume 1 (Dwellings) and Volume 2 (Buildings Other Than Dwellings).

With respect to switches, outlets and controls there are design options that should be taken into consideration where the key factors are easy of use, visibility, height and freedom of obstructions.

Accessory Feature	Recommended Design
Plate Colour	Provide a visual contrast with walls
Light Switches	Should use large push pads
Socket/Control Switches	Be separated from other switches to avoid accidental operation
Control Indicators	Incorporate visual indicators as to setting or power status

Accessory Application	Recommended Location
Light Switches (1)	• 900mm to 1100mm above the floor • Aligned horizontally with door handles
Socket, Telephone & TV Outlets (2)	• 400mm to 1000mm above the floor, preference to lower levels • At least 350mm from room corners
Switches for Permanently Wired Appliances (3)	• 400mm to 1200mm above the floor • May be positioned higher if required
Switches that Require Precise Hand Movements (4)	• 750mm to 1200mm above the floor
Simple Push Button Controls (5)	• Up to 1200mm above the floor
Controls that Require Visual Inspection	• 1200mm to 1400mm above the floor

Slimline Screwless

Slimline Screwless provides a range of white and chrome wiring accessories designed to match the clean contemporary styling of the popular Slimline range.

Slimline Screwless offers the same sleek and curved profile as Slimline with no visible fixing screws and a removable frontplate, complementing any modern setting.

25-YEAR
GUARANTEE

(unless otherwise stated)

Contents

5V ⎓ 4.0A Total

Finishes
Available in the following finishes

Matte Black*
(Special - Made to Order)

Chrome

White

Product Features

- REMOVABLE FRONTPLATE
- SLIM AND CURVED PROFILE
- EASY INSTALLATION
- FULL RANGE OF ACCESSORIES INCLUDING GRIDSWITCH OPTIONS AVAILABLE
- IDEAL FOR DOMESTIC AND COMMERCIAL BUILDINGS

Slimline Screwless is designed with the professional in mind. All accessories can be fully installed and tested before the frontplate is fitted.

Frontplates simply but securely clip onto the mounting system and can easily be removed by inserting a screwdriver into the guide, providing a practical solution when decorating.
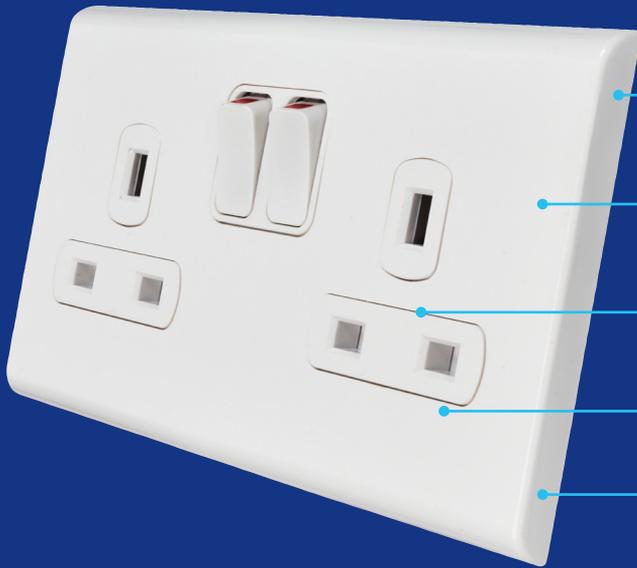
Frontplates clip securely
onto mounting frame

Choice of white or
chrome frontplates

White insert for all power
and data accessories

Earth pin operated shutters

Only 7mm thick
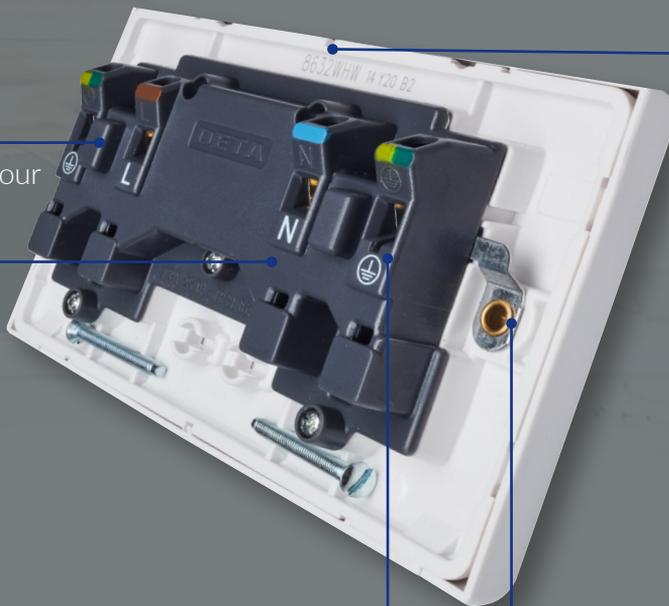
Top access
terminals

Funnel entry, colour
coded terminals

Clear terminal
markings

Captive, backed out
terminal screws

Recessed
earth bar

Socket Outlets

- Top facing terminal screws
- Recessed earth bar
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- In compliance with BS 1363: Part 2

8635CHW


8631WHW   8631CHW

8634WHW

Unswitched - 13 Amp

| 8635 | 1 gang unswitched |
| 8636* | 2 gang unswitched |

Double Pole - 13 Amp

8631	1 gang switched
8632	2 gang switched
8634*	2 gang switched with neons

Matte Black finish is available, subject to minimum order quantities.

Back Boxes minimum recommended depth
1g **Flush** 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221
2g **Flush** 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 25mm V1223

USB Charging Socket Outlets

2-YEAR GUARANTEE

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

8668WHW

Back Boxes minimum recommended depth
2g **Flush** 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 33mm V1224

Single Pole - 13 Amp + 4.0A USB

| 8668 | 2 gang switched and 3 USB charging ports (2 Type A + 1 Type C) |

*Special order product, minimum order quantity and lead time applies

Round Pin Socket Outlets

- Top facing terminal screws
- Only one size 4mm screwdriver needed
- In compliance with BS 546

Unswitched	
8637	1 gang 5A unswitched
8638*	1 gang 15A unswitched

Switched	
8639*	1 gang 15A switched

8637WHW   8637CHW   8638WHW

8638CHW   8639WHW   8639CHW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

10 Amp Switched	
8601	1 gang 2-way
8602	2 gang 2-way
8603	3 gang 2-way
8604	4 gang 2-way
8606	Intermediate

10 Amp 3 Pole Fan Isolator	
8607	3 pole fan isolator

8601CHW   8602WHW

8603CHW   8604WHW

8606CHW   8607WHW

Back Boxes minimum recommended depth
1g-3g   Flush 16mm DB152   **Dry Lining** 35mm DB2540   **Surface** 16mm V1220E
4g   Flush 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 25mm V1223

Dimmer Switches

2-YEAR GUARANTEE

- Universal dimmers for use with dimmable LED, incandescent and halogen lamps
- Suitable for loads up to 250W LED, 350W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Rotary push on/push off dimmers for multiway dimming
- Electronic programming with EPROM memory chip
- Spare dimmer knobs available
- In compliance with BS EN 60669-2-1

8629WH   8630WH

Back Boxes - minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface 25**mm V1221

Multiway Dimming
Using G3506 Push to Make Switch

Universal	
8629	1 gang multiway dimming
8630	2 gang multiway dimming

Dimmer Knob Spares	
SP0004WH	Dimmer knob (pack of 10) - white
SP0004CH	Dimmer knob (pack of 10) - chrome

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Captive and backed out terminals
- Neon leads enclosed
- Captive fuse carrier
- Front or bottom flex outlet versions available
- Neon versions available
- 2 earth terminals
- In compliance with BS 1363: Part 4

8646WHW   8646CHW   8643WHW

8643CHW   8644WHW   8644CHW

Back Boxes - minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface 25**mm V1221

13 Amp Unswitched	
8646	Unswitched spur with neon

13 Amp Switched	
8643	Switched spur with neon
8644	Switched spur with neon and flex outlet

*Special order product, minimum order quantity and lead time applies

20A Double Pole Switches

- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- In compliance with BS EN 60669-1

20 Amp

8656	Switch with neon
8657*	Switch with flex outlet
8658	Switch with neon and flex outlet

8656WHW   8656CHW   8657WHW

8657CHW   8658WHW   8658CHW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

50A Double Pole Switches

- Grey font marking
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

50 Amp

8650	Switch with red rocker and neon

Tall 50 Amp

8652	Tall switch with red rocker and neon

8650WHW   8650CHW

8652WHW   8652CHW

Back Boxes minimum recommended depth
1g   Flush 47mm DB167   **Dry Lining** 46mm DB2542   **Surface** 45mm V1228
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543   **Surface** 45mm V1229

Cooker Control Units

- Discreet neon
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- S1217 Slimline cooker cable outlet available, see page 14
- In compliance with BS 4177

Cooker Control

8654	45A switch with red rocker and neon + 13A switched socket and neon

8654WHW   8654CHW

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543   **Surface** 45mm V1229

Shaver Socket

2-YEAR GUARANTEE

- Dual voltage outlet 240V/115V
- Neon indicator
- Grey font marking
- 2 earth terminals
- Only one size 4mm screwdriver needed
- In compliance with BS EN 61558-2-5

Shaver Socket	
8671	Dual voltage with neon

8671WHW   8671CHW

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Telephone Outlets

2-YEAR GUARANTEE

- IDC terminals on UK version
- Screw terminals on RJ11
- Oftel approved to NS/G/23/L/100005

Telephone Outlets	
8681	Single master
8683	Single secondary
8686*	RJ11

8681CHW   8683WHW   8686WHW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

TV Outlets

2-YEAR GUARANTEE

- Suitable for standard co-axial BS 3041 plugs

TV Outlets	
8690	Single co-axial non isolated
8691	Single co-axial isolated
8692	TV/FM (DAB) diplexer
8694	TV/FM (DAB)/satellite triplexer

8690WHW   8691CHW

8692CHW   8694CHW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221

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*Special order product, minimum order quantity and lead time applies

Blank Plates

- In compliance with BS 5733

Blank Plates	
8661	1 gang
8662	2 gang

8661WHW   8662CHW

Back Boxes minimum recommended depth
1g   **Flush** 25mm DB162   **Dry Lining** 35mm DB2540   **Surface** 25mm V1221
2g   **Flush** 25mm DB163   **Dry Lining** 35mm DB2541   **Surface** 25mm V1222

Data Plates

- Accepts standard 50x25mm modules

Data Plates	
8685	One module
8687	Two module
8689	Four module

8685CHW   8687WHW

8689CHW

Back Boxes minimum recommended depth depending on modules and cable sizes
1g   **Flush** 35mm DB164   **Dry Lining** 35mm DB2540   **Surface** 33mm V1222
2g   **Flush** 35mm DB165   **Dry Lining** 35mm DB2541   **Surface** 33mm V1224

Grid Plates

- 1 gang to 8 gang sizes
- Grid frames supplied with grid plate
- In compliance with BS 5733

Grid Plates	
G3371	1 gang
G3372	2 gang
G3373	3 gang
G3374	4 gang
G3375	6 gang
G3376	8 gang

Finishes
Chrome and White finishes are available. When ordering, please indicate preference by adding suffix CH (Chrome) or WH (White)

Grid Frames
Slimline Screwless frontplates are supplied with grid frames

G3371WH   G3372CH

G3374WH   G3374CH
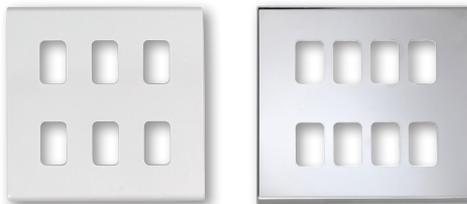
G3375WH   G3376CH
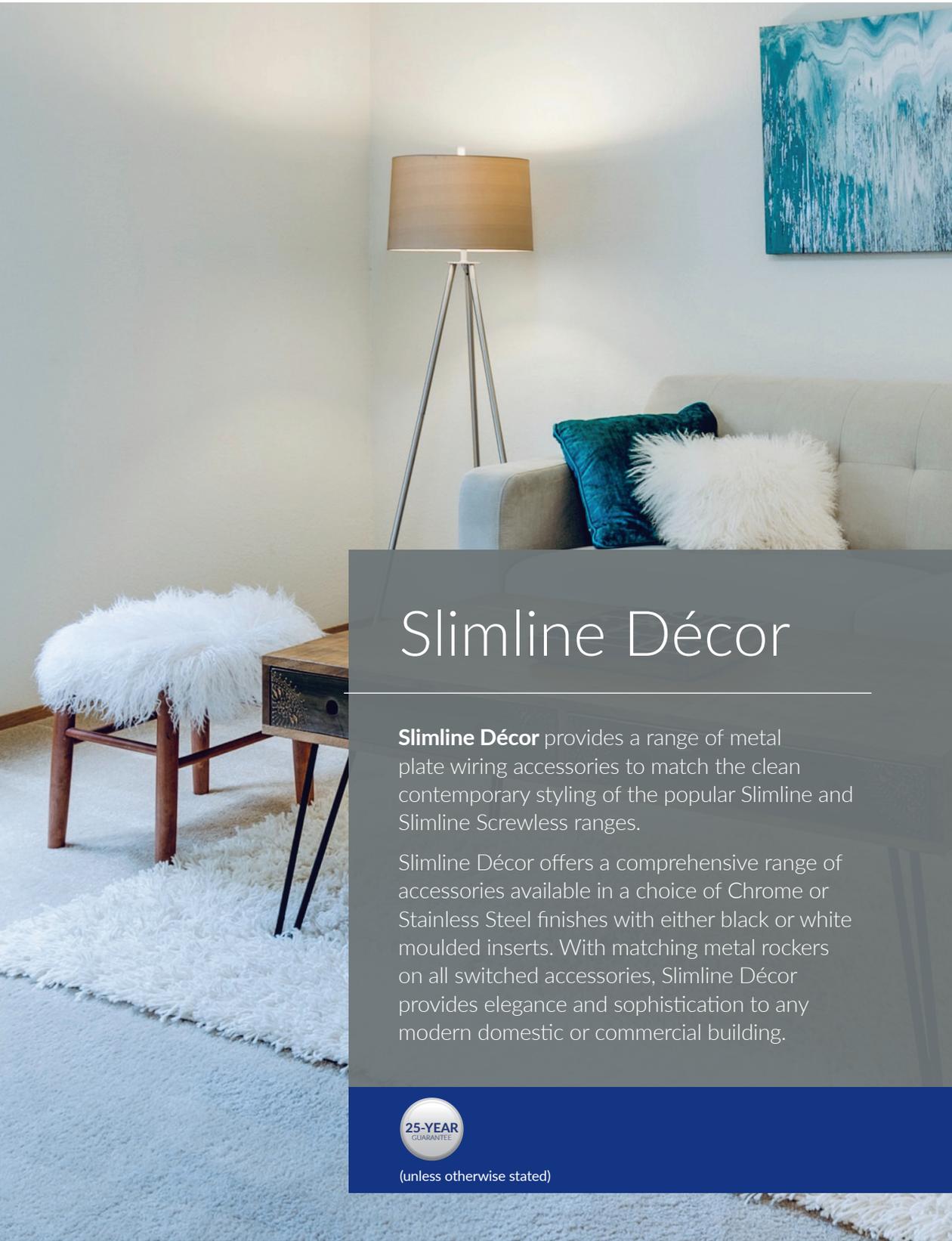
Slimline Décor

Slimline Décor provides a range of metal plate wiring accessories to match the clean contemporary styling of the popular Slimline and Slimline Screwless ranges.

Slimline Décor offers a comprehensive range of accessories available in a choice of Chrome or Stainless Steel finishes with either black or white moulded inserts. With matching metal rockers on all switched accessories, Slimline Décor provides elegance and sophistication to any modern domestic or commercial building.

25-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Finishes
Available in the following finishes

Chrome   Stainless Steel

Product Features

- ▲ MATCHING METAL ROCKERS
- ▲ SLIM AND CURVED PROFILE
- ▲ EASY INSTALLATION
- ▲ FULL RANGE OF ACCESSORIES INCLUDING GRIDSWITCH OPTIONS AVAILABLE
- ▲ IDEAL FOR DOMESTIC AND COMMERCIAL BUILDINGS

Slimline Décor complements both the Slimline and Slimline Screwless wiring accessories ranges, providing extended application opportunities for domestic and commercial projects, keeping installation simple and straight forward.

The Slimline Décor range incorporates a number of features including captive backed out terminal screws, high visibility terminal markings and colour coded terminals. Terminals are angled to assist dressing cables into the back box, enabling effortless installation.

FINISH				INSERTS	
CH	or	SS	with	B	or	W

CHROME OR STAINLESS STEEL FINISH AVAILABLE WITH EITHER BLACK OR WHITE INSERTS

WHEN ORDERING PRODUCTS, PLEASE INDICATE FINISH AND INSERT PREFERENCE BY ADDING SUFFIXES SHOWN ABOVE

Only 7mm thick

Earth pin operated shutters

Fixing screws colour matched to plate

Protective film prevents
damage during installation
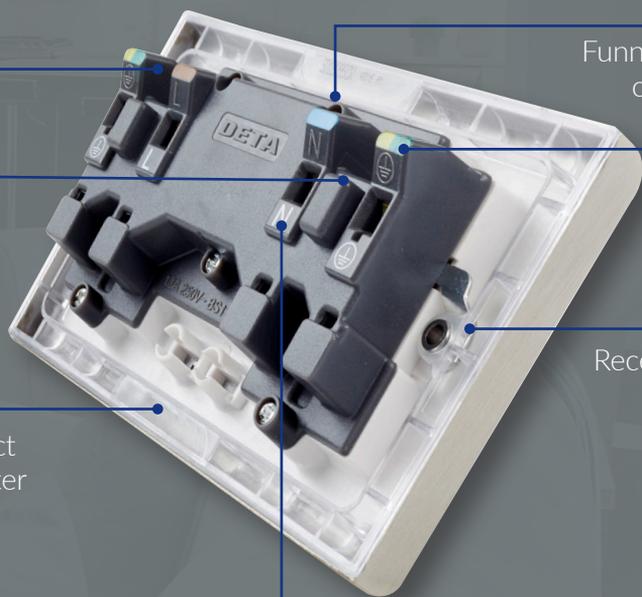
Funnel entry, colour
coded terminals

Clear terminal
markings

Top access
terminals

Recessed earth bar

Gasket to protect
from damp plaster

Captive, backed out
terminal screws

Socket Outlets

- Top facing terminal screws
- Recessed earth bar
- Captive and backed out terminals
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- In compliance with BS 1363: Part 2

Single Pole - 13 Amp

SD2293*   2 gang outboard switched
*Supplied with white or black switches

Double Pole - 13 Amp

SD1207   1 gang switched
SD1209   2 gang switched

SD2293SSW   SD1207CHW

SD1209CHW   SD1209SSW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540
2g   Flush 25mm DB163   **Dry Lining** 35mm DB2541

USB Charging Socket Outlets

2-YEAR GUARANTEE

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

Single Pole - 13 Amp + 4.0A USB

SD1288   2 gang switched
           (2 Type A + 1 Type C USB Charging Ports)
SD12882   2 gang outboard switched
           (2 Type A + 1 Type C USB charing ports)
           *Supplied with white or black switches

SD1288CHW   SD1288SSB

SD12882CHW

Back Boxes minimum recommended depth
2g   Flush 25mm DB163   **Dry Lining** 35mm DB2541

Round Pin Socket Outlets

- Top facing terminal screws
- Earth pin operated safety shutters
- Only one size 4mm screwdriver needed
- In compliance with BS 546

Unswitched

SD1331   1 gang 5A unswitched

SD1331CW   SD1331CHB

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Captive and backed out terminals (except SD1246 & SD1247)
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

10 Amp

SD1203	1 gang 2-way
SD1204	2 gang 2-way
SD1205	3 gang 2-way
SD1244	4 gang 2-way
SD1246	Intermediate

10 Amp 3 Pole Fan Isolator

SD1247	3 pole fan isolator

SD1203CHW   SD1204SSB   SD1205SSB

SD1244CHW   SD1244SSB

SD1246CHB   SD1246SSB   SD1247CHW

Back Boxes minimum recommended depth
1g-3g   **Flush** 25mm DB152   **Dry Lining** 35mm DB2540
4g   **Flush** 25mm DB163   **Dry Lining** 35mm DB2541

SUPERCHARGED, SUPERFAST...

3 USB PORTS
2 TYPE A
1 TYPE C

HIGH-SPEED CHARGING
IC TECHNOLOGY DETECTS CONNECTED DEVICES

FITS A **25** MM BACK BOX

4.0A
SIMULTANEOUS CHARGING

Dimmer Switches

2-YEAR GUARANTEE

- Universal dimmers for use with dimmable LED, incandescent and halogen lamps
- Suitable for loads up to 250W LED, 350W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Rotary push on/push off dimmers for multiway dimming
- Electronic programming with EPROM memory chip
- Spare dimmer knobs available
- In compliance with BS EN 60669-2-1

SD1414CH   SD1415SS

Multiway Dimming Using G3506 Push to Make Switch

Universal

SD1414	1 gang multiway dimming
SD1415	2 gang multiway dimming

Dimmer Knob Spares

SP0004CH	Dimmer knob (pack of 10) - chrome
SP0004SS	Dimmer knob (pack of 10) - stainless steel
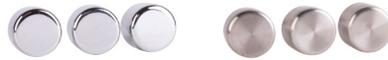
SP0004CH   SP0004SS

Back Boxes minimum recommended depth
1g Flush 35mm DB164   **Dry Lining** 35mm DB2540

Connection Units

- Lockable, captive fuse carrier for safety isolation
- 2 earth terminals
- Captive fuse carrier
- In compliance with BS 1363: Part 4

SD1360CHW SD1360SSB   SD1370CHW   SD1370SSB

SD1371CHW SD1371SSB   SD1373CHW   SD1373SSB

13 Amp Unswitched

SD1360	Unswitched spur

13 Amp Switched

SD1370	Switched spur
SD1371	Switched spur with neon
SD1373	Switched spur with neon and flex outlet

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2540

*Special order product, minimum order quantity and lead time applies

20A Double Pole Switches

- 2 earth terminals
- Captive and backed out terminals
- In compliance with BS EN 60669-1

SD1390CHW   SD1390SSB   SD1391CHW   SD1391SSW

20 Amp

SD1390	Switch
SD1391	Switch with neon

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2540

50A Double Pole Switches

- Grey font marking
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

SD1300CHW   SD1300PSSB

50 Amp

SD1300	Switch
SD1300P	Switch with neon

50 Amp Tall

SD1301	Tall switch
SD1301P	Tall switch with neon

SD1301CHB   SD1301PSSW

Back Boxes minimum recommended depth
1g   Flush 47mm DB167   **Dry Lining** 46mm DB2542
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Cooker Control Units

- Grey font marking
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- S1217 Slimline cooker cable outlet available, see page 14
- In compliance with BS 4177

SD1302PCHW   SD1302PSSB

Cooker Control

SD1302P	45A switch with neon + 13A switched socket with neon

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

![deta logo]

Shaver Socket

2-YEAR GUARANTEE

- Dual voltage outlet 240V/115V
- Neon indicator
- Grey font marking
- 2 earth terminals
- Only one size 4mm screwdriver needed
- In compliance with BS EN 61558-2-5

Shaver Socket	
SD1305	Dual voltage with neon

SD1305CHW   SD1305SSB

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Telephone Outlets

2-YEAR GUARANTEE

- IDC terminals on UK version
- Oftel approved to NS/G/23/L/100005

Telephone Outlets	
SD1352	Single master
SD1353	Single secondary

SD1352CHB   SD1352SSB   SD1353CHW   SD1353SSB

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540

TV Outlets

2-YEAR GUARANTEE

- Suitable for standard co-axial BS 3041 plugs

TV Outlets	
SD1264	Single co-axial isolated
SD1265	TV/FM (DAB) diplexer
SD1340	TV/FM (DAB)/satellite triplexer

SD1264CHB   SD1264SSB   SD1265CHW

SD1265SSW   SD1340CHW   SD1340SSW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2540

Blank Plates

- In compliance with BS 5733

Blank Plates

SD1200   1 gang
SD1201   2 gang

SD1200CH   SD1200SS

SD1201CH   SD1201SS

Back Boxes minimum recommended depth
1g **Flush** 35mm DB164 **Dry Lining** 35mm DB2540
2g **Flush** 35mm DB165 **Dry Lining** 35mm DB2541

Media Plates

- Top facing terminal screws
- Captive and backed out terminals
- Recessed earth bar
- Up to six single data modules can be installed in a Media Plate
- Flush back box - 40mm deep (DB184) has segregation between LV and ELV sections

Media Plates

SD1975   4 gang 13A socket and 6 data module spaces
SD1977   4 gang 13A socket with TV/FM/DAB quadplexer Co-Axial female, BT secondary and 2 data module spaces
SD1978   4 gang 13A socket with Co-axial male, BT secondary and 4 data module spaces

SD1975CHB   SD1975SSW

DB184

- Designed to support the flush mounting of a Media Plate
- Includes various cable entry points
- Includes a divider plate to separate LV and ELV services
- In compliance with BS 4662

Back Boxes minimum recommended depth
DB184 **Width** 250mm **Height** 192mm **Depth** 40mm

Metal Boxes

DB184   250mm x 192mm x 40mm

Media Plates
Where multiple power, telecom, TV and AV outlets are required in one place, a Media Plate provides the perfect solution. Media Plates provide the flexibility to configure the installation to meet your individual requirements. To make the installation even easier, the flush mounting box has a divider between the mains voltage sockets and the extra low voltage modules (refer to BS7671 IET Wiring Regulations). Also available in Slimline and Ultra Flatplate ranges.

Data Plates

- Accepts standard 50x25mm modules

Data Plates

SD1421	One module
SD1422	Two module
SD1424	Four module

SD1421CHB   SD1421SSW   SD1422CHB   SD1422SSB

SD1424CHW   SD1424SSB

Back Boxes minimum recommended depth depending on modules & cable sizes
1g **Flush** 35mm DB164   **Dry Lining** 35mm DB2540
2g **Flush** 35mm DB165   **Dry Lining** 35mm DB2541

Grid Plates

- 1 gang to 12 gang sizes
- Grid frames supplied separately, see page 85
- In compliance with BS 5733

Grid Plates

G3421	1 gang
G3422	2 gang
G3423	3 gang
G3424	4 gang
G3425	6 gang
G3426	8 gang
G3427	9 gang
G3428	12 gang

Finishes
Chrome and Stainless Steel finishes are available. When ordering, please indicate preference by adding suffix CH (Chrome) or SS (Stainless Steel)

G3421WH   G3422WH

G3423WH   G3424WH

G3425CH   G3426WH
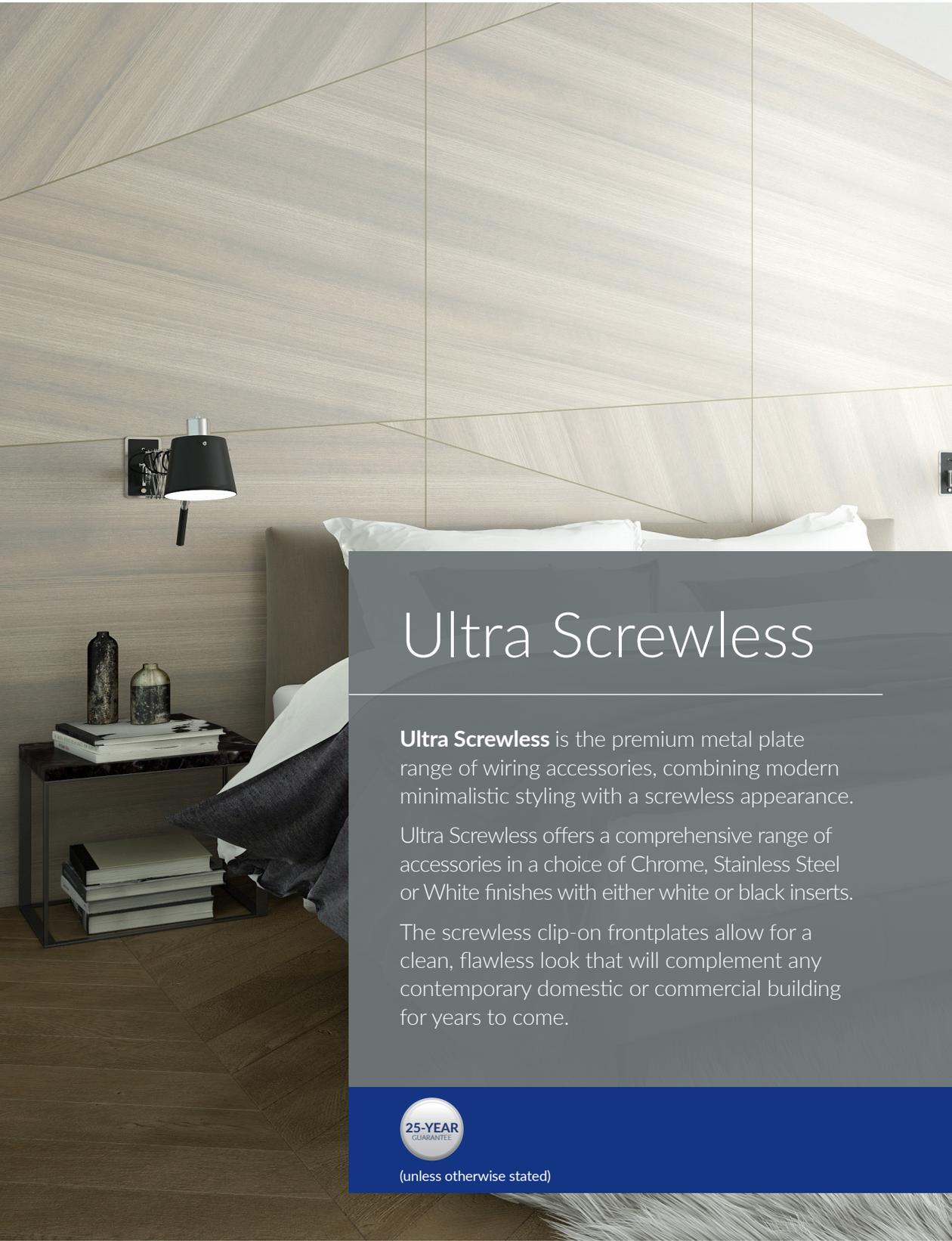
Ultra Screwless

Ultra Screwless is the premium metal plate range of wiring accessories, combining modern minimalistic styling with a screwless appearance.

Ultra Screwless offers a comprehensive range of accessories in a choice of Chrome, Stainless Steel or White finishes with either white or black inserts.

The screwless clip-on frontplates allow for a clean, flawless look that will complement any contemporary domestic or commercial building for years to come.

25-YEAR GUARANTEE

(unless otherwise stated)

Contents

Finishes

Available in the following finishes

*special order finish, minimum order quantity and lead time applies

Chrome   Stainless Steel   White   Matte Black*   Black Nickel*

Product Features

▲ SLEEK DESIGN

▲ MATCHING METAL ROCKERS

▲ ULTRA SLIM PROFILE

▲ EASY INSTALLATION

▲ FULL RANGE OF ACCESSORIES
INCLUDING GRIDSWITCH
OPTIONS AVAILABLE

▲ IDEAL FOR DOMESTIC AND
COMMERCIAL BUILDINGS

Ultra Screwless has been designed with the professional in mind. All products can be fully installed and tested before the addition of the screwless frontplates, which simply but securely clip onto the mounting system.

The frontplates also provide a practical solution when decorating by speeding up the painting process and avoiding paint drips. Frontplates are easily removed by inserting a screwdriver into the guide.

A protective film prevents accidental damage, keeping accessories looking flawless during the installation process.

| FINISH				INSERTS	
CH	SS	WH	BN	B	W

CHROME, STAINLESS STEEL, WHITE OR BLACK NICKEL FINISH AVAILABLE WITH EITHER BLACK OR WHITE INSERTS

WHEN ORDERING PRODUCTS, PLEASE INDICATE FINISH AND INSERT PREFERENCE BY ADDING SUFFIXES SHOWN ABOVE

*PLEASE NOTE, WHITE FINISH IS ONLY AVAILABLE WITH WHITE INSERT (e.g. 8175WHW). BLACK NICKEL IS ONLY AVAILABLE WITH BLACK INSERT

Protective film

Curved rockers

High quality finish

Earth pin operated shutters

Screwless frontplate
only 3.5mm thick

Top access terminals

Funnel entry, colour
coded terminals

Clear terminal
markings

Gasket to protect product
from damp plaster
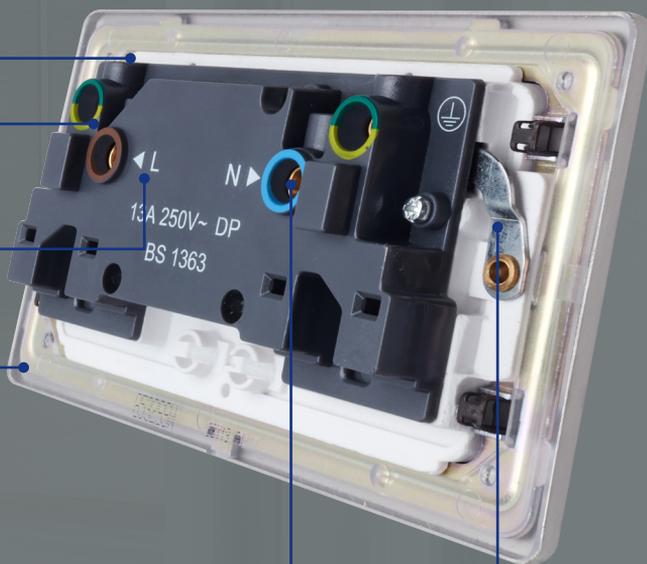
L   N

13A 250V~ DP
BS 1363

Captive, backed out
terminal screws

Recessed
earth bar

Socket Outlets

- Top facing terminal screws
- Recessed earth bar
- Captive and backed out terminals
- 2 earth terminals on 2 gang sockets
- Only one size 4mm screwdriver needed
- In compliance with BS 1363: Part 2

8535CHW   8536CHB

Unswitched - 13 Amp

8535	1 gang unswitched
8536*	2 gang unswitched

Double Pole - 13 Amp

8531	1 gang switched
8532	2 gang switched

Matte Black and Black Nickel finishes are available,
subject to minimum order quantities.

8531CHW

8532SSB

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2547
2g   Flush 35mm DB165   **Dry Lining** 35mm DB2548

USB Charging Socket Outlets

2-YEAR GUARANTEE

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

8568CHW

Back Boxes minimum recommended depth
2g   Flush 35mm DB165   **Dry Lining** 35mm DB2548

Single Pole - 13 Amp + 4.0A USB

8568	2 gang switched and 3 USB charging ports (2 Type A + 1 Type C)

*Special order product, minimum order quantity and lead time applies

Round Pin Socket Outlets

- Top facing terminal screws
- Clear terminal markings
- Colour coded terminals
- Captive and backed out terminals
- Only one size 4mm screwdriver needed
- In compliance with BS 546

8538CHB   8538WHW

Unswitched

8538	1 gang 5A unswitched

Back Boxes minimum recommended depth
1g   **Flush** 35mm DB164   **Dry Lining** 35mm DB2547

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Captive and backed out terminals (except 8506 and 8507)
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

8501CHW   8502SSW

8503CHB   8504SSW

10 Amp

8501	1 gang 2-way
8502	2 gang 2-way
8503	3 gang 2-way
8504	4 gang 2-way
8506	Intermediate

10 Amp 3 Pole Fan Isolator

8507	3 pole fan isolator

8506CHW   8507CHW   8507SSB

Back Boxes minimum recommended depth
1-3g   **Flush** 25mm DB162   **Dry Lining** 35mm DB2547
4g   **Flush** 25mm DB163   **Dry Lining** 35mm DB2548

deta

Dimmer Switches

- Universal dimmers for use with dimmable LED, incandescent and halogen lamps
- Suitable for loads up to 250W LED, 350W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Rotary push on/push off dimmers for multiway dimming
- Electronic programming with EPROM memory chip
- Spare dimmer knobs available
- In compliance with BS EN 60669-2-1

8529CH   8529SS   8529WH

8530CH   8530SS

Back Boxes minimum recommended depth
1g Flush 35mm DB164 **Dry Lining** 35mm DB2547

Universal	
8529	1 gang multiway dimming
8530	2 gang multiway dimming

Dimmer Knob Spares	
SP0004CH	Dimmer knob (pack of 10) - chrome
SP0004SS	Dimmer knob (pack of 10) - stainless steel
SP0004WH	Dimmer knob (pack of 10) - white

Multiway Dimming
Using G3506 Push to Make Switch

The New Generation of Dimmers

UNIVERSAL DIMMER
Leading and trailing edge compatible

MULTI WAY DIMMING
Up to 20 locations

250W LED LOAD
350W incandescent and halogen

PROGRAMMABLE
Minimum brightness adjustment

EPROM MEMORY
Brightness adjustment saved in event of power cuts

*Special order product, minimum order quantity and lead time applies

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Colour coded terminals
- Discreet neons
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- In compliance with BS 1363: Part 4

8541CHW   8542SSB

8543WHW   8544CHW

13 Amp Unswitched	
8541*	Unswitched spur

13 Amp Switched	
8542	Switched spur
8543	Switched spur with neon
8544*	Switched spur with neon and flex outlet

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2547

20A Double Pole Switches

- Colour coded terminals
- Discreet neons
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- In compliance with BS EN 60669-1

8555CHW   8556SSB   8557WHW

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2547

20 Amp	
8555*	Switch
8556	Switch with neon
8557*	Switch with flex outlet

50A Double Pole Switches

- Grey font markings
- Clear terminal markings
- Colour coded terminals
- Discreet neons
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

8551CHB   8552WHW   8552SSB

50 Amp Tall	
8551*	Tall switch
8552	Tall switch with neon

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Cooker Control Units

- Grey font engraving
- Clear terminal markings
- Colour coded terminals
- Discreet neons
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminals
- S1217 Slimline cooker cable outlet available, see page 14
- In compliance with BS 4177

8554CHW   8554SSB

8554WHW

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Cooker Control

8554	45A switch with neon + 13A switched socket with neon

Shaver Socket

- Clear terminal markings
- Colour coded terminals
- Dual voltage outlet 240V/115V
- Grey font marking
- 2 earth terminals
- Only one size 4mm screwdriver needed
- In compliance with BS EN 61558-2-5

8571CHW   8571SSB   8571WHW

Back Boxes minimum recommended depth
2g   Flush 47mm DB168   **Dry Lining** 46mm DB2543

Shaver Socket

8571	Dual voltage with neon

Telephone Outlets

- Clear terminal markings
- IDC terminals on UK version
- Screw terminals on RJ11
- Oftel approved to NS/G/23/L/100005

8581WHW   8583CHW   8585SSW

Back Boxes minimum recommended depth
1g   Flush 25mm DB162   **Dry Lining** 35mm DB2547

Telephone Outlets

8581*	Single master
8583	Single secondary
8585*	RJ11

*Special order product, minimum order quantity and lead time applies

TV Outlets

2-YEAR GUARANTEE

- Clear terminal markings
- Suitable for standard co-axial BS 3041 plugs

TV Outlets

8591	Single co-axial isolated
8592*	TV/FM (DAB)/satellite diplexer
8593*	TV/F type
8594*	TV/FM (DAB)/satellite triplexer

8591CHW   8592SSW   8593WHW   8594CHW

Back Boxes minimum recommended depth
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2547

Media Plates

- Top facing terminal screws
- Clear terminal markings
- Colour coded terminals
- Recessed earth bar
- Captive and backed out terminals
- Four to eight single data modules can be installed in a Media Plate (depending on media plate size)
- Flush back box - 47mm deep (DB185 & DB186) has segregation between LV and ELV sections

Media Plates

8575*	4 gang 13A socket and 8 data module spaces
8576*	2 gang 13A socket and 4 data module spaces

8575WHW

8576WHW

Back Boxes minimum recommended depth
DB186 (for 8575)   Width 279mm   **Height** 159mm   **Depth** 49mm
DB185 (for 8576)   Width 279mm   **Height** 73mm   **Depth** 49mm

Media Plates
Where multiple power, telecom, TV and AV outlets are required in one place, a Media Plate provides the perfect solution. Media Plates provide the flexibility to configure the installation to meet your individual requirements. To make the installation even easier, the flush mounting box has a divider between the mains voltage sockets and the extra low voltage modules (refer to BS7671 IET Wiring Regulations). Also available in Slimline and Slimline Décor ranges.

- Designed to support the flush mounting of a Media Plate
- Includes various cable entry points
- Includes a divider plate to separate LV and ELV services
- In compliance with BS 4662

Metal Boxes
DB185* 2x2 gang 279mm x 156 x 49mm
DB186* 4x2 gang 279mm x 156 x 49mm

Data Plates

- Accepts standard 50x25mm modules

Data Plates

8586	One module
8587	Two module
8589	Four module

8586CHW   8587SSW   8589CHW

Back Boxes minimum recommended depth depending on modules & cable sizes
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2547
2g   Flush 35mm DB165   **Dry Lining** 35mm DB2548

# Blank Plates

- In compliance with BS 5733

Blank Plates	
8561	1 gang
8562	2 gang
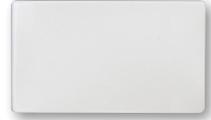
8561CH   8561SS   8562WH

Back Boxes minimum recommended depth
1g   **Flush** 35mm DB164   **Dry Lining** 35mm DB2540
2g   **Flush** 35mm DB165   **Dry Lining** 35mm DB2541

Grid Plates

- 1 gang to 9 gang sizes
- Grid frames supplied with grid plate
- In compliance with BS 5733

Grid Plates	
G3381	1 gang
G3382	2 gang
G3383	3 gang
G3384	4 gang
G3385	6 gang
G3386	8 gang
G3387*	9 gang

Finishes
Chrome, Stainless Steel and White finishes are available. When ordering, please indicate preference by adding suffix CH (Chrome), SS (Stainless Steel) or WH (White)

Grid Frames
Ultra Screwless frontplates are supplied with grid frames
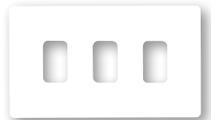
G3381CH   G3382SS   G3383WH
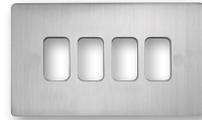
G3384SS

G3385CH   G3386WH

Back Boxes
A wide range of back boxes are available, please see the Selection Chart on pages 85. We recommend using the deepest back box available to give the most amount of wiring space. Boxes for 6g up to 24g have both 20mm and 25mm knockouts.

*Special order product, minimum order quantity and lead time applies
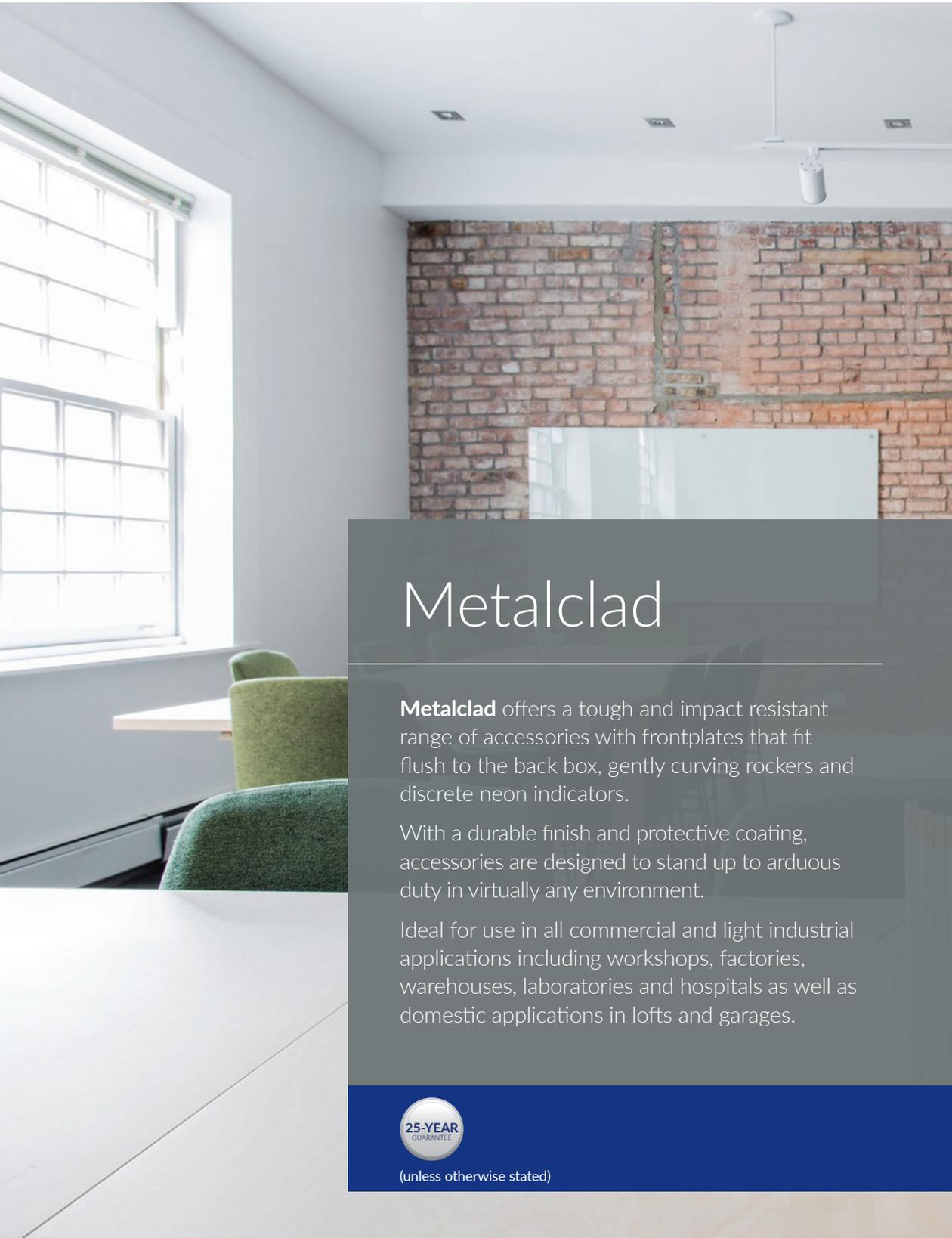
Metalclad

Metalclad offers a tough and impact resistant range of accessories with frontplates that fit flush to the back box, gently curving rockers and discrete neon indicators.

With a durable finish and protective coating, accessories are designed to stand up to arduous duty in virtually any environment.

Ideal for use in all commercial and light industrial applications including workshops, factories, warehouses, laboratories and hospitals as well as domestic applications in lofts and garages.
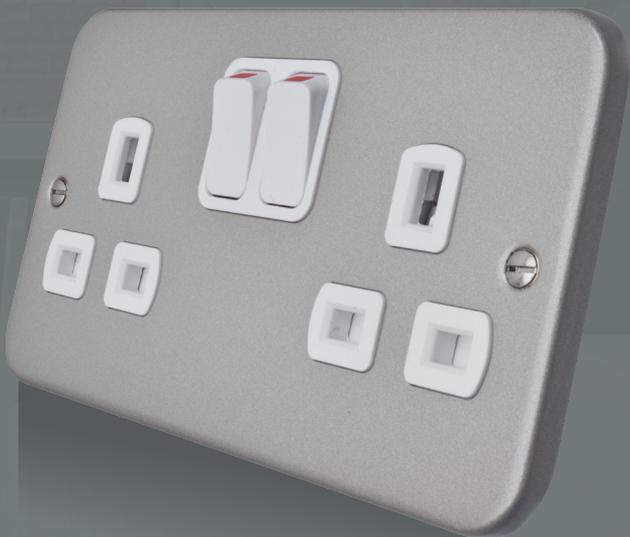
25-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Product Features

- ▲ TOUGH, IMPACT RESISTANT
- ▲ DURABLE FINISH
- ▲ EASY INSTALLATION
- ▲ IDEAL FOR DOMESTIC, COMMERCIAL AND INDUSTRIAL APPLICATIONS

Metalclad installation could not be simpler with clear markings, large cable lead-ins and captive backed out terminal screws.

Back boxes are supplied with all products (except blank plates) and incorporate 20mm knockouts on all sides and the rear, providing maximum flexibility.

Frontplates are packaged in a separate polybag to provide additional protection prior to second fix.
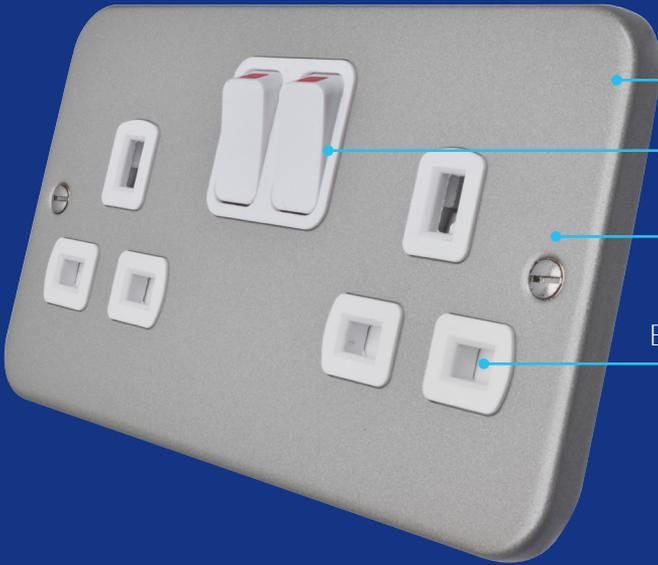
Durable finish with protective coating

Curved rockers

Flush fitting frontplate

Earth pin operated shutters
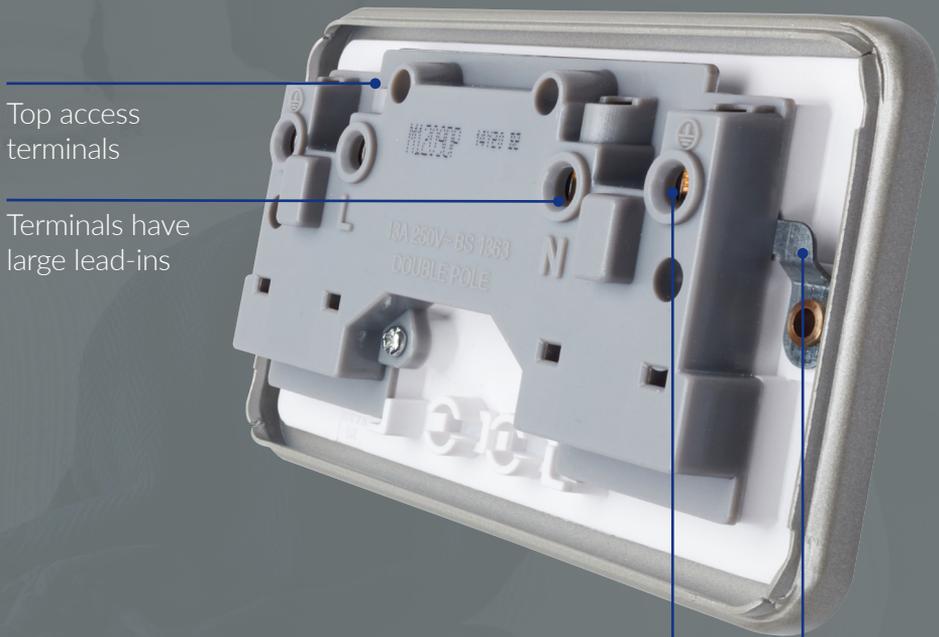
Top access terminals

Terminals have large lead-ins

Captive, backed out terminal screws

Recessed earth bar

Socket Outlets

- Complete with surface mounting box
- Selected products available with and without side knockouts in mounting box
- Top facing terminal screws
- Captive and backed out terminal screws
- Recessed earth bar

M1206   M1208

M1207DP   M1209DP

Unswitched - 13 Amp

Back Boxes With Side Knockouts
M1206   1 gang unswitched
M1208   2 gang unswitched

Double Pole - 13 Amp

Back Boxes With Side Knockouts
M1207DP   1 gang switched
M1209DP   2 gang switched

Back Boxes Without Side Knockouts
M1307DP*   1 gang switched
M1309DP*   2 gang switched

Back Box with Side Knockouts
1g Sides 5 **Rear** 1
2g Sides 8 **Rear** 1

Back Box without Side Knockouts
1g **Sides** 0 **Rear** 1
2g **Sides** 0 **Rear** 1

USB Charging Socket Outlets

- USB ports deliver up to 4.0A simultaneous charging current across 3 ports, up to a maximum of 3.0A per port
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing, colour coded terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2

M1288

Single Pole - 13 Amp + 4.0A USB

Back Boxes With Side Knockouts
M1288   2 gang switched and 3 USB charging ports (2 Type A + 1 Type C)

Back Box with Side Knockouts
2g Sides 8 **Rear** 1

*Special order product, minimum order quantity and lead time applies

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Complete with surface mounting box
- Selected products available with and without side knockouts in mounting box
- Terminals have large lead-ins
- Captive and backed out terminal screws
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

M1203   M1204   M1205

Back Box with Side Knockouts
1g **Sides** 5 **Rear** 1
2g **Sides** 8 **Rear** 1

Back Box without Side Knockouts
1g **Sides** 0 **Rear** 1
2g **Sides** 0 **Rear** 1

10 Amp

Back Boxes With Side Knockouts
M1203   1 gang 2-way
M1204   2 gang 2-way
M1205   3 gang 2-way

Back Boxes Without Side Knockouts
M1303*   1 gang 2-way
M1304*   2 gang 2-way
M1305*   3 gang 2-way

Connection Units

- Complete with surface mounting box
- Selected products available with and without side knockouts in mounting box
- Lockable, captive fuse carrier for safety isolation
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS 1363: Part 4

M1210   M1210FL   M1217

M1211   M1211FL   M1212   M1212FL

Back Box with Side Knockouts
1g **Sides** 5 **Rear** 1

Back Box without Side Knockouts
1g **Sides** 0 **Rear** 1

13 Amp Unswitched

Back Boxes With Side Knockouts
M1210   Unswitched spur
M1210FL   Unswitched spur with flex outlet
M1217   Unswitched spur with neon

Back Boxes Without Side Knockouts
M1310*   Unswitched spur
M1317*   Unswitched spur with neon

13 Amp Switched

Back Boxes With Side Knockouts
M1211   Switched spur
M1211FL   Switched spur with flex outlet
M1212   Switched spur with neon
M1212FL   Switched spur with neon and flex outlet

Back Boxes Without Side Knockouts
M1311*   Switched spur

20A Double Pole Switches

- Complete with surface mounting box
- Selected product available with and without side knockouts in mounting box
- Red flagged switch indicator
- Neon leads enclosed
- 2 earth terminals
- Captive and backed out terminal screws
- In compliance with BS EN 60669-1

M1213   M1214   M1214FL

Back Box with Side Knockouts
1g Sides 5 **Rear** 1

Back Box without Side Knockouts
1g   Sides 0 **Rear** 1

20 Amp

Back Boxes With Side Knockouts
M1213   Switch
M1214   Switch with neon
M1214FL*   Switch with neon and flex outlet

Back Boxes Without Side Knockouts
M1314*   Switch with neon

50A Double Pole Switches

- Complete with surface mounting box
- Red flagged switch indicator
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1

M1300P

Back Box with Side Knockouts
1g   Sides 5 **Rear** 1

Back Box without Side Knockouts
1g   Sides 0 **Rear** 1

50 Amp

Back Boxes With Side Knockouts
M1300P   Switch with red rocker and neon

Blank Plates

- In compliance with BS 5733

M1200   M1201

20 Amp

M1200   1 gang
M1201   2 gang

Data Plates

- Accepts standard 50x25mm modules

M1222

Data Plates

M1222   Two module

Back Boxes minimum recommended depth depending on modules & cable sizes
1g   Flush 35mm DB164   **Dry Lining** 35mm DB2540

*Special order product, minimum order quantity and lead time applies

Back Boxes

- Back boxes with knockouts have 20mm knockouts on side and rear
- Back boxes without knockouts have 1x20mm knockout in rear
- Fitted with brass earth terminals

M1228   M1229

Back Box with Side Knockouts
1g - **Sides** 5 **Rear** 1
2g - **Sides** 8 **Rear** 1

Back Box without Side Knockouts
1g - **Sides** 0 **Rear** 1
2g - **Sides** 0 **Rear** 1

Back Boxes

Back Boxes with Side Knockouts
M1228   1 gang 42mm deep
M1229   2 gang 42mm deep

Back Boxes Without Side Knockouts
M1228N   1 gang 42mm deep
M1229N   2 gang 42mm deep

Gridswitch Back Boxes
M1230   6/8 gang 42mm deep
M1231   9/12 gang 42mm deep
M1232*   18 gang 60mm deep
M1233*   24 gang 60mm deep

Knockouts	M1228	M1229	M1230	M1231	M1232*	M1233*
20mm	5	8	4	6	7	8
25mm	-		4	6	7	8
Dimensions (mm)	78x78x41	136x78x41	136x136x42	136x197x42	197x197x60	197x258x60

Grid Plates

- 1 gang to 24 gang sizes
- Grid frames supplied separately, see page 85
- In compliance with BS 5733

Grid Plates

G3321   1 gang
G3322   2 gang
G3323   3 gang
G3324   4 gang
G3325   6 gang
G3326   8 gang
G3327   9 gang
G3328   12 gang
G3329*   18 gang
G3330*   24 gang

G3321   G3322

G3323   G3324

G3326

G3328

Euro Modules

Euro Modules provide the flexible platform that caters for bespoke installation requirements.

Power, Telephone, Data and TV modules are available in white or black finishes with accompanying media plates supplied across all Deta wiring accessory ranges.

Euro modules are easy to install and simply push fit into media plates, providing a versatile solution for residential, commercial or industrial applications.

2-YEAR
GUARANTEE

Modules

- 2-year guarantee for USB charging, telephone, data and TV modules
- 25-year guarantee for power modules

USB Charging Modules

S1443   USB charging outlet - 2 x 3A
(1 Type A + 1 Type C)

Back Boxes must be 35mm deep

Power Modules

S1444*   13A socket 45 Degrees
S1446*   13A socket
S1447*   16A 250V German socket
S1448*   15A 125V American socket
S1449*   16A 250V French socket

Back Boxes must be 35mm deep

Telephone Modules

S1430   Single master
S1431   Single secondary
S1432   RJ11

Data Modules

S1433   RJ45
S1434   Cat 6

TV Modules

S1435   Co-axial male
S1436   Co-axial female "return"
S1442   Co-axial female "TV"
S1437   F Type
S1438   TV/FM (DAB) diplexer
S1439   TV/FM (DAB)/satellite triplexer
S1440   TV/FM (DAB)/satellite quadplexer
S1441   HDMI (1.4 for Full HD)

Blank and Brush Modules

S1425   Brush cable outlet - 2 module
S1428   Blank - 1/2 module
S1429   Blank - 1 module

Data modules also available in black. Please add suffix BK to catalogue no. e.g. S1428BK.

S1443   S1446   S1447

S1448   S1449   S1430

S1431   S1432   S1433

S1434   S1435   S1436

S1442   S1437   S1438

S1439   S1440   S1441

S1425   S1428   S1429

Power Modules need to be installed in accordance with the current edition of the wiring regulations (BS7671 IET Wiring Regulations).
ELV Modules and Power Modules must not be mixed in the same compartment.

*Special order product, minimum order quantity and lead time applies

Gridswitch

Gridswitch offers a flexible switch management solution for commercial and domestic applications.

Frontplates are available in all Deta wiring accessory ranges and finishes, with sizes ranging from 1 gang up to 24 gang, providing a versatile solution for the most demanding projects.

An extensive range of modules including switches (10A, 20A, double pole, key and marked), dimmers, fuses, neons and accessories, available in plastic and metal finishes.

25-YEAR GUARANTEE

(unless otherwise stated)

Contents

Product Features

- ▲ PACKED IN ITS OWN PROTECTIVE BAG

- ▲ GRID FRAMES ARE SUPPLIED SEPARATELY

- ▲ FIXING SCREWS IN BAGS, ATTACHED TO REAR OF PLATES TO PREVENT SCRATCHING

- ▲ A COMPREHENSIVE RANGE OF FRONT LOADING SNAP -IN MODULES

Gridswitch offers a wealth of features across the range to ensure that installation is carried out with the minimum of effort.

All modules have clear terminal markings and are front loading so they simply clip in place, which means they can easily be upgraded or replaced without the need to remove the mounting grid frame.

For larger frontplates, Deta back boxes have been designed deeper for ample wiring room, for example the back box for a 24 gang plate is 60mm deep.

Frontplates available in all Deta
wiring accessory ranges in a
choice of finishes

Frontplates from
1 gang to 24 gang sizes

Matching screws on
decorative frontplates

Extensive range of modules
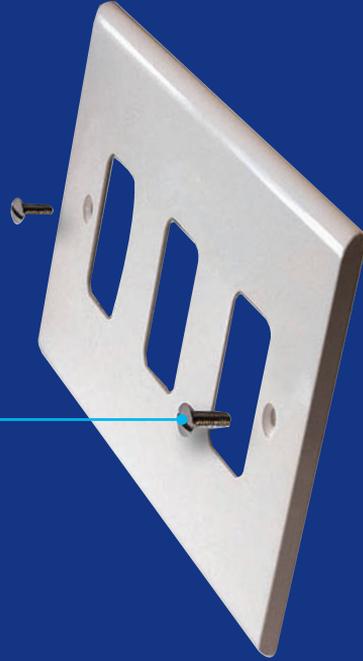
Front loading
snap-in modules

Modules available in a
wide range of finishes
to match the frontplate,
and have an option of
black or white inserts

Grid frame screws
are captive
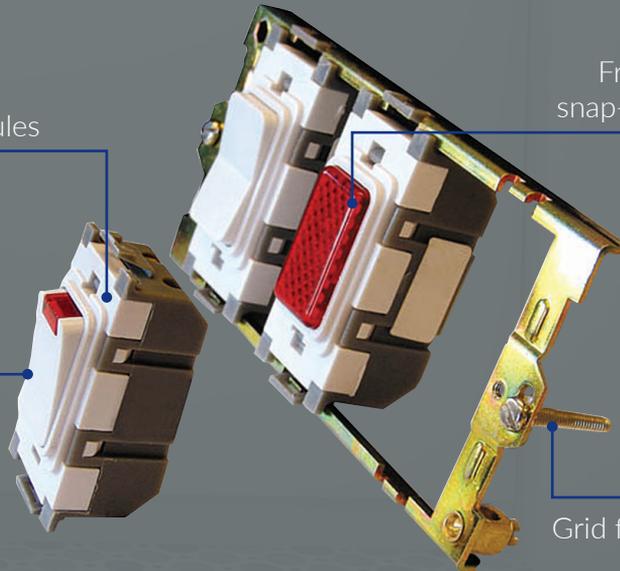
10A Single Pole

- Curved rockers
- Front loading into grid frame
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Grey font marking
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

10 Amp - White	
G3501	1-way
G3502	2-way
G3503	2-way 'PRESS'

10 Amp - Black	
G3502BK*	2-way
G3503BK*	2-way 'PRESS'

10 Amp - Chrome & Stainless Steel**	
G3502	2-way
G3503*	2-way 'PRESS'

10 Amp - Red Rocker	
G3503RD*	2-way 'PRESS' - white
G3503RDB*	2-way 'PRESS' - black

**Chrome and Stainless Steel finishes available with either black or white inserts. When ordering, please indicate finish and insert preference by adding suffix CH (Chrome) or SS (Stainless Steel) and B (Black) or W (white) to catalogue no e.g. G3502CHW

G3501   G3502   G3503

G3502BK   G3503BK

G3502CHW   G3502SSB

G3503CHB   G3503SSW

G3503RD   G3503RDB

*Special order product, minimum order quantity and lead time applies

20A Single Pole

- Curved rockers
- Front loading into grid frame
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Integral neon has flying leads so it can be wired as an indicator or a locator depending on load
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

20 Amp - White

G3511	1-way
G3512	2-way
G3525*	2 way integral neon locator
G3513	Intermediate
G3516	2-way and off retractive
G3517	2-way and off latching

20 Amp - Black

G3512BK*	2-way
G3513BK*	Intermediate
G3516BK*	2-way and off retractive
G3517BK*	2-way and off latching

20 Amp - Chrome & Stainless Steel**

G3512	2-way
G3513	Intermediate
G3516	2-way and off retractive

20 Amp - Red Rocker

G3512RD	2 way - white
G3512RDB*	2 way - black

**Chrome and Stainless Steel finishes available with either black or white inserts. When ordering, please indicate finish and insert preference by adding suffix CH (Chrome) or SS (Stainless Steel) and B (Black) or W (white) to catalogue no e.g. G3512CHW

G3511

G3512

G3525

G3513

G3516

G3517

G3512BK

G3513BK

G3516BK

G3517

G3512CHW

G3512SSB

G3513CHW

G3513SSB

G3516CHW

G3516SSW

G3512RD

G3512RDB

20A Double Pole

- Curved rockers
- Front loading into grid frame
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

20 Amp - White

G3514	Double pole
G3515*	Neon in rocker
G3519	Push to make
G3520	Push to break

20 Amp - Black

G3514BK*	Double pole
G3515BK*	Neon in rocker
G3519BK*	Push to make
G3520BK*	Push to break

20 Amp - Chrome & Stainless Steel**

G3514	Double pole
G3515	Double pole neon in rocker

20 Amp - Red Rocker

G3514RD	Double pole - white
G3514RDB*	Double pole - black

**Chrome and Stainless Steel finishes available with either black or white inserts. When ordering, please indicate finish and insert preference by adding suffix CH (Chrome) or SS (Stainless Steel) and B (Black) or W (white) to catalogue no e.g. G3514CHW

G3514   G3515   G3519

G3520   G3514BK   G3515BK

G3519BK   G3520BK   G3514CHW

G3515SSW   G3514RD   G3514RDB

20A Double Pole Marked

- Curved rockers
- Front loading into grid frame
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Grey font marking
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

20 Amp - White & Black*

G3551	Oven
G3552	Hob
G3553	Extractor fan
G3554	Washing machine
G3555	Tumble dryer
G3556	Dishwasher
G3557	Fridge
G3558	Freezer
G3559	Boiler
G3560	Cooker hood
G3561	Microwave
G3562	Fridge freezer
G3563	Heater
G3564	Waste disposal
G3565	Fan boost
G3566	Warming drawer
G3567	Wine cooler

*Black available as a special made to order product, minimum order quantity and lead time applies. When ordering, please add suffix BK to catalogue no e.g. G3551BK

20 Amp - Chrome & Stainless Steel**

G3551	Oven
G3552	Hob
G3553	Extractor fan
G3554	Washing machine
G3555	Tumble dryer
G3556	Dishwasher
G3557	Fridge
G3558	Freezer
G3559	Boiler
G3560	Cooker hood
G3561	Microwave
G3562	Fridge freezer
G3563	Heater
G3564	Waste disposal
G3565	Fan boost
G3566	Warming drawer
G3567	Wine cooler

**Chrome and Stainless Steel finishes available with either black or white inserts. When ordering, please indicate finish and insert preference by adding suffix CH (Chrome) or SS (Stainless Steel) and B (Black) or W (white) to catalogue no e.g. G3551CHW

Custom Markings

To support project requirements, Deta can provide a custom marking service to match stocked modules to cater to any requirement.

To order custom marked products, please contact the sales office who will be able to share details regarding lead time, minimum order quantities.

G3551   G3552BK   G3553

G3555   G3556   G3557

G3559BK   G3560   G3561

G3563   G3564   G3565BK

G3551SSB   G3552SSW   G3553CHB

G3555SSB   G3557CHB   G3558CHW

G3560CHW   G3561CHB   G3562CHW

G3564SSB   G3565CHB   G3566CHW

20A Double Pole Marked with Neon

- Curved rockers
- Front loading into grid frame
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Clear terminal markings
- Grey font marking
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1

20 Amp - White	
G3571	Oven
G3572	Hob
G3573	Extractor fan
G3574	Washing machine
G3575	Tumble dryer
G3576	Dishwasher
G3577	Fridge
G3578	Freezer
G3579	Boiler
G3580	Cooker hood
G3581	Microwave
G3582	Fridge freezer
G3583	Heater
G3584	Waste disposal
G3585	Fan boost
G3586	Warming drawer
G3587	Wine cooler

G3571BK   G3572   G3573

G3574   G3575   G3576

G3577   G3578   G3579

G3580   G3581   G3582

G3583   G3584   G3585

G3586   G3587

*Special order product, minimum order quantity and lead time applies

Key Switch

- Every switch supplied with a key
- 'Emergency Lighting Test' modules
- Front loading into grid frame
- Only one size 4mm screwdriver needed
- Switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Grey font marking
- In compliance with BS EN 60669-1

20 Amp - White

G3532	2-way
G3533	Intermediate
G3534	Double pole
G3536	2-way "Emg Lgt Test"
G3537	2-way biased 1-way
G3538*	Double pole "Emg Lgt Test"

20 Amp - Black

G3532BK*	2-way
G3533BK*	Intermediate
G3534BK*	Double pole
G3536BK*	2-way "Emg Lgt Test"
G3537BK*	2-way biased 1-way
G3538BK*	Dishwasher

20 Amp - Red

G3534RD*	Double pole

G3532

G3533

G3534

G3536

G3537

G3538

G3532BK

G3533BK

G3534BK

G3536BK

G3537BK

G3538BK

G3534RD

![deta logo]

Dimmers

- Universal dimmers for use with dimmable LED, incandescent and halogen lamps
- Suitable for loads up to 250W LED, 350W incandescent and halogen
- Please refer to Technical Section on pages 127-128 for further information on dimming loads
- Rotary push on/push off dimmers for multiway dimming
- Electronic programming with EPROM memory chip
- Clear terminal markings
- Spare dimmer knobs available
- In compliance with BS EN 60669-2-1

G3526   G3526BK

G3526VARW   G3526VARB

White

G3526	Multiway dimming

Black

G3526BK*	Multiway dimming

Chrome & Stainless Steel

G3526VARB	Multiway dimming - black insert
G3526VARW	Multiway dimming - white insert

Multiway Dimming
Using G3506 Push to Make Switch

Dimmer Modules
The quantity and maximum rating of dimmers fitted into a frontplate has to be limited to allow for heat dissipation.

Accessories

- Front loading into grid frame
- Clear terminal markings
- Only one size 4mm screwdriver needed
- In compliance with BS 5733 and BS 1362

G3541   G3542   G3544

White

G3541	Flex outlet
G3542	Fuse unit - 13 Amp
G3544	Blank module

G3542BK   G3544BK   G3544CHB

Black

G3541BK	Flex outlet
G3542BK*	Fuse unit - 13 Amp
G3544BK*	Blank module

Chrome & Stainless Steel**

G3542	Fuse unit
G3544	Blank module

*Special order product, minimum order quantity and lead time applies

Neons

- Front loading into grid frame
- Clear terminal markings
- Only one size 4mm screwdriver needed
- In compliance with BS 5733

G3543RD   G3543AM   G3543GR

White		

G3543RD   Red, mains voltage
G3543AM   Amber, mains voltage
G3543GR   Green, mains voltage

Black		

G3543RDB*   Red, mains voltage
G3543AMB*   Amber, mains voltage
G3543GRB*   Green, mains voltage

G3543RDB   G3543AMB   G3543GRB

2-YEAR GUARANTEE

Frames

- 1, 2, 3, 4 and 6 gang
- 415V warning label is supplied with 3, 4 and 6 gang grid frames
- All grid frames have large earth terminals

Grid Frames

G3401	1 module - for 1 gang plate
G3402	2 modules - for 2 gang plate
G3403	3 modules - for 3, 6 or 9 gang plate
G3404	4 modules - for 4, 8 or 12 gang plate
G3406	6 modules - for 18 or 24 gang plate

G3401

G3402

G3403

G3404
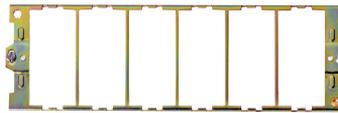
G3406

Selection Chart

- For flush installations it is recommended to use as deep a back box as possible and to use metal boxes rather than dry lining boxes
- Ultra Flatplate and Slimline Décor cover plates are supplied with gaskets

Cover Plates		Grid Plates							Grid Frames	Mounting Boxes		
		Slimline	Slimline Part M	Slimline Screwless	Slimline Décor	Ultra Flatplate	Ultra Screwless	Metalclad		Flush	Surface Metalclad	Surface Slimline & Slimline Screwless
1		G3301	G3391	G3371	G3421	G3311	G3381	G3321	1 x G3401	DB164	M1228 M1228N	V1222
2		G3302	G3392	G3372	G3422	G3312	G3382	G3322	1 x G3402	DB164	M1228 M1228N	V1222
3		G3303	G3393	G3373	G3423	G3313	G3383	G3323	1 x G3403	DB165	M1229 M1229N	V1224
4		G3304	G3394	G3374	G3424	G3314	G3384	G3324	1 x G3404	DB165	M1229 M1229N	V1224
6		G3305	G3395	G3375	G3425	G3315	G3385	G3325	2 x G3403	DB171	M1230	
8		G3306	G3396	G3376	G3426	G3316	G3386	G3326	2 x G3403	DB171	M1230	
9		G3307			G3427			G3327	3 x G3403	DB172	M1231	
12		G3308			G3428			G3328	3xG3404	DB172	M1231	
18		G3309*						G3329*	3 x G3406	DB173	M1232	
24		G3310*						G3330*	4 x G3406	DB174	M1233	

Boxes

Boxes include a comprehensive range of flush fitting metal and dry lining boxes, as well as surface mounted pattress boxes.

Dry Lining Boxes include a range with a lipless design to allow flush fitting of Deta Wiring Accessories.

25-YEAR
GUARANTEE

Contents

Pattress Boxes

- Surface mounted
- Urea moulded pattress boxes
- Square corners to match Vimark and Slimline accessories
- In compliance with BS 5733
- 2g Pattress Boxes can be used as single flush to a 2g surface conversion box

V1220E   V1221   V1223

Vimark Pattress Boxes

V1220E	1 gang 16mm deep with earth terminal
V1221	1 gang 25mm deep
V1223	2 gang 25mm deep
V1222	1 gang 33mm deep
V1224	2 gang 33mm deep
V1225	1+1 gang 25mm deep
V1226	1+1 gang 33mm deep
V1228	1 gang 45mm deep
V1229	2 gang 45mm deep
V1324	1 gang 16mm deep architrave with earth terminal
V1325*	2 gang 16mm deep architrave with earth terminal

V1225   V1228

V1229

Dry Lining Boxes

- Flush mounted
- Suitable for plaster board thickness of 4-20mm
- In compliance with BS 4662

Dry Lining Boxes

DB2540	1 gang 35mm deep
DB2541	2 gang 35mm deep
DB2542	1 gang 46mm deep
DB2543	2 gang 46mm deep
DB2544	Round 34m deep, 62mm diameter
DB2545	1+1 gang 35mm deep
DB2546	2+1 gang 35mm deep

- Lipless design allows for flush fitting of Deta wiring accessories
- Recommended for Ultra Flatplate and Ultra Screwless accessories

DB2541   DB2540

DB2543   DB2544

Dry Lining Boxes - Flush Fitting

DB2547	1 gang 35mm deep
DB2548	2 gang 35mm deep

DB2545   DB2546

Dry Lining Boxes - Cut Out	
1g	75mm x 75mm
2g	135mm x 75mm
Dual	161mm x 75mm
2+1g	221mm x 75mm
Round	63mm Dia.

DB2547   DB2548

Unique Product Feature

Unique lipless design

Allows flush fitting of
Deta Wiring Accessories

*Special order product, minimum order quantity and lead time applies

Metal Boxes

- Flush mounting
- Adjustable lug
- DB169 has 16mm knockouts
- 25mm deep boxes have 20mm knockouts
- 35mm and 47mm deep boxes have 20mm and 25mm knockouts
- In compliance with BS 4662

DB152   DB162   DB163

Metal Boxes

DB152	1 gang 16mm deep
DB162	1 gang 25mm deep
DB163	2 gang 25mm deep
DB164	1 gang 35mm deep
DB165	2 gang 35mm deep
DB166	1+1 gang 35mm deep
DB167	1 gang 47mm deep
DB168	2 gang 47mm deep
DB169	1 gang 27mm architrave fixed lugs
DB170	2+1 gang 35mm deep

DB164   DB165   DB169

DB166   DB167

Gridswitch Metal Boxes

DB171	6/8 gang 42mm deep
DB172	9/12 gang 42mm deep
DB173	18 gang 60mm deep
DB174*	24 gang 60mm deep

DB170

Knockouts	DB171	DB172	DB173	DB174*
20mm	4	5	7	8
25mm	4	5	7	8
Dimensions (mm)	132x132x42	132x192x42	192x192x60	192x250x60

Grommets

	Open Standard	Closed Standard	Open Quick Fit	Closed Quick Fit
20mm (100 Pack)	**IM1301**	**IM1311**	**IM1321**	**IM1331**
25mm (50 Pack)	**IM1302**	**IM1312**	**IM1322**	**IM1332**
32mm (25 Pack)	**IM1303**	**IM1313**	**IM1323**	**IM1333**

deta

Ceiling Accessories

Ceiling Accessories include a wide range of high quality pendants, battens, lamp holders and ceiling switches, offering durability, reliability and ease of installation for any domestic or commercial application.

10-YEAR
GUARANTEE

Contents

Product Features

Ceiling Accessories offer a wealth of features to ensure that installation is fast and effortless.

Pendants and battens are offered with or without a unique patented clip on "Decorator Cover" that shields live wires and terminals in the ceiling rose, making it safe for decoration to be carried out quickly and easily before the outer cover is screwed into position.

Safety lamp holders have a unique shutter action that retracts and shields the contact pins when a lamp is removed, providing complete protection and safety from live contacts. Safety pendants and battens are supplied complete with a "Decorator Cover" as standard.

Decorator Cover

The Decorator Cover protects the decorator when working near live contacts
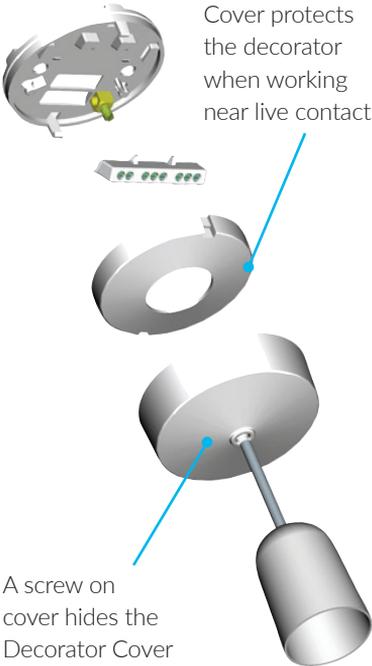
A screw on cover hides the Decorator Cover

Safety Lamp Holder

Clip-on cover requires tool to gain access

Static terminal block

Pin tension springs

Shade skirt

Static pin guide

Rotating pin shield

Mechanism with lamp inserted

Mechanism with lamp removed
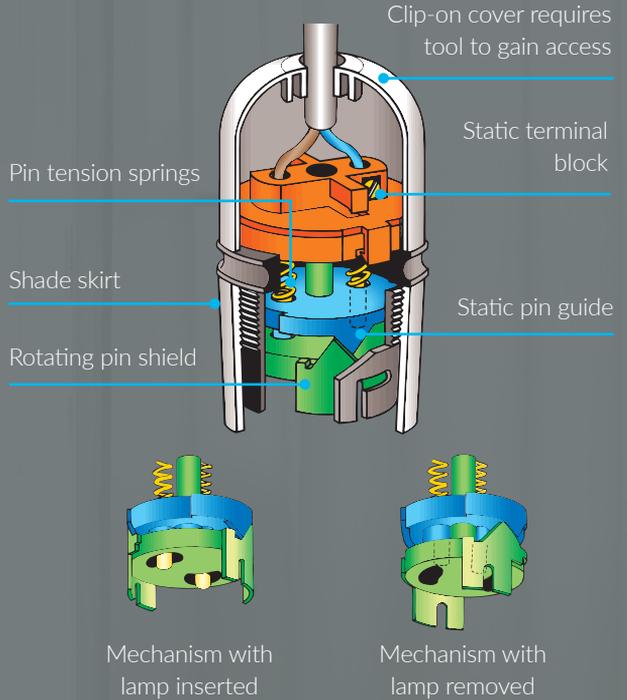
Ceiling Rose and Lamp Holder

- 3 in-line terminals and earth terminal in ceiling rose
- T2 rated lamp holder with short skirt
- In compliance with BS EN 61184, BS 67

Ceiling Rose	
V1299	Ceiling rose

Lamp Holder	
91WSST2	Lamp holder

V1299   91WSST2

Standard Pendants

- T2 rated lamp holder with short skirt
- In compliance with BS EN 61184, BS 67

Standard Pendants	
V1280	6" Pendant
V1283	9" Pendant

V1280

V1283

Pendant and Battens with Decorator Cover

- T2 rated lamp holder with short skirt
- Decorator Safety Cover
- In compliance with BS EN 61184, BS 67
- Patent application pending

Pendant with Decorator Cover	
V1278	6" Pendant

Batten Holder with Decorator Cover	
V1289	Straight batten holder - home office skirt
97HOT2	Angled batten holder - home office skirt

V1289   97HOT2

V1278

Safety Pendant and Battens with Decorator Cover

- Contact pins retractable when lamp is removed ensuring safety
- Decorator Safety Cover
- T2 rated lamp holder with short skirt
- B22 bayonet lamp holder
- 3 terminals in ceiling rose
- In compliance with BS EN 61184, BS 67

Safety Pendant with Decorator Cover

S1066T2   6" Safety pendant

Safety Batten Holder with Decorator Cover

S96HOT2   Safety straight batten holder - home office skirt
S97HOT2   Safety angled batten holder - home office skirt

S96HOT2

S97HOT2

S1066T2

Ceiling Switches

- 1.5m cord drop
- In compliance with BS EN 60669-1

Ceiling Switches

V1297   10A 2-way
V1298   50A Double pole with neon

V1297

V1298

Circuit Protection

Deta's **Protect⁺** Circuit Protection range provides a high quality and versatile solution for any domestic installation, whilst offering home occupiers maximum protection against short circuits, circuit overloads, arc faults and residual earth leakage within the home.

The range meets the requirements of amendment 2 the 18th Edition IET Wiring Regulations (BS 7671:2018 + A2:2022) and is comprised of safe and stylish enclosures and a wide selection of devices.

10-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Protect+ Circuit Protection

Protect+ is a comprehensive range of enclosures, devices and accessories, providing maximum protection against short circuits, circuit overloads and residual earth leakage.

Accessories including DIN rail mounted blanks and visor locks complete the range, ensuring safety by protecting live parts and restricting unauthorised access to circuits during the construction phase of a new build house.

Stylish & Versatile

Designed with a pressed cover and visor, the stylish enclosures have a neutral white paint finish. Protect+ enclosures meet the requirements of the 18th Edition IET Wiring Regulations (BS 7671:2018 +A2:2022), being unobtrusive and blending into the décor of any modern home.

Incorporating multiple knockout cable entry points, as well as clip in grommets, the enclosures minimise exposed cabling, providing a high quality and versatile solution for most domestic installations.

Complete Solution

Protect+ enclosures are easily configured and suitable for both new build homes and the upgrade/refurbishment of existing properties.

All enclosures now come with a factory fitted Type 2 SPD to protect electronic equipment connected within the property from transient over voltages.

Main Switch enclosures fitted with RCBOs and AFDDs on individual circuits provide superior protection, convenience and flexibility for occupants.

High Integrity enclosures incorporating a 100A main switch plus 2 no 100A 30mA Type A RCDs provide a cost effective solution where budget dictates.

Surge Protection

Surge Protection Devices (SPDs) redirect transient overvoltages, protecting valuable electronic devices and appliances from premature aging, damage or destruction.

The SPD is factory fitted after the main switch and fed with a standard busbar with Neutral and Earth cables connected. Each device is rated at 100A and incorporates a visual indication window for normal operation or fault status. Taking up only one module, the SPD does not require a separate MCB for protection, relying on the upstream DNO fuse.

Product Features

High Integrity enclosures supplied with 3 neutral bars

Combi-head style terminal screws

Keyhole mounting slots

Taller enclosure provides generous wiring space

SPD factory fitted with earth & neutral cables

Floating busbar for greater installation flexibility

Assembled with pre-wired switch, RCD's and SPD

Raised removable DIN rail allows cables to pass underneath

Lockable Visor

A lock can be installed on the hinged lid of the enclosure to prevent unauthorised access to circuits during construction. When building works are completed, the lock can be removed and replaced with a blanking cap.

Incoming Mains Tail Clamp

A mains tail clamp is included as standard on all enclosures to provide additional restraint to the incoming tails.

Maximum Torque Settings

Devices have cable strip lengths and recommended torque settings conveniently marked on the side of each device with torque settings also on the front of the device to aid installers doing an EICR or similar retro work.

Knockouts

Varying sizes are positioned along the top and bottom of the enclosure as well as the sides with 32mm knockouts aligned with main switch position to aid installation of incoming tails.

t: 01582 544 500 | e: sales.ce@deta.co.uk | w: deta.co.uk
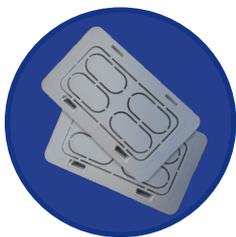
Protect⁺ Enclosures

- Lockable visor to prevent circuits being switched on accidentally during house build – available separately
- Conduit entry on top, bottom and side walls
- Large rectangular knockouts on rear of enclosure, supplied with grommets
- Raised and removable DIN rail to allow cables to pass underneath
- 10-year guarantee and compliant to BS 7671:2018:A2:2022 wiring regulations

Mains Switch Enclosures with 100A DP Isolator and Type 2 SPD

PE1008S	8 Module, 5 Free Ways
PE1010S	10 Module, 7 Free Ways
PE1014S	14 Module, 11 Free Ways
PE1018S	18 Module, 15 Free Ways
PE1022S	22 Module, 19 Free Ways

HI Intergrity Enclosures with 100A DP Isolator, Type 2 SPD and 2 x 100A Type A RCDs

PE3018S	18 Module, 11 Free Ways, 0+6+5/1+5+5/2+5+4
PE3022S	22 Module, 15 Free Ways, 0+8+7/1+7+7/2+7+6
PE3032S	32 Module, 25 Free Ways, 0+12+13/1+12+12/2+12+11

Garage & Shower Enclosures

- Lockable visor to prevent circuits being switched on accidentally during house build – available separately
- Conduit entry on top, bottom and side walls
- Large rectangular knockouts on rear of enclosure, supplied with grommets
- Raised and removable DIN rail to allow cables to pass underneath
- 10-year guarantee and compliant to BS 7671:2018:A2:2022 wiring regulations

Garage Enclosure with 63A 30mA Type A RCD plus 1 x 32A and 1 x 6A MCB

PE9010	4 Module IP2X

Shower Enclosure with 63A 30mA Type A RCD plus 1 x 50A MCB and 1 Blank

PE9110	4 Module IP2X

Meter Cupboard Units

- Conduit entry on top, bottom and side walls
- Large rectangular knockouts on rear of enclosure, supplied with grommets
- Raised and removable DIN rail to allow cables to pass underneath
- 10-year guarantee and compliant to BS 7671:2018:A2:2022 wiring regulations

Meter Cupboard Unit with 1 x 80A DP MCB + Type 2 SPD

BV1083N	4 Module

Meter Cupboard Unit with 1 x 80A DP MCB

BV1083	4 Module

AFDD/RCBOs

- Combined Arc Fault Detection and RCBO in single module device
- Detects dangerous serial and parallel arc faults
- 30mA Type A RCD, Switched Live & Neutral as standard
- 6A – 40A available in B & C curve
- BS EN 62606 & IEC 61009-1

6KA 30mA, 1+SwN, Type A

B Curve	C Curve	
PD5006	PD5106	6A
PD5010	PD5110	10A
PD5016	PD5116	16A
PD5020	PD5120	20A
PD5032	PD5132	32A
PD5040	PD5140	40A

RCBOs

- Single Pole residual current circuit breaker with overload protection
- Isolates both live and neutral conductors when tripped
- 30mA tripping current Type A
- 1 module width
- In compliance with IEC 61009-1

6KA 30mA, 1+SWN, Type A

B Curve	C Curve	
PD4006	PD4106	6A
PD4010	PD4110	10A
PD4016	PD4116	16A
PD4020	PD4120	20A
PD4025	––	25A
PD4032	PD4132	32A
PD4040	**PD4140**	40A

Bi-Directional 6KA 30mA, 1+SWN, Type A

Suitable for Solar Installations

B Curve	C Curve	
PD4216	PD4316	16A

MCBs

- Single pole miniature circuit breaker
- Type B tripping curve, 6kA rating
- Type C tripping curve, 6kA rating
- 1 module width
- In compliance with IEC 60898-1

6KA Single Pole

B Curve	C Curve	
PD3006	PD3106	6A
PD3010	PD3110	10A
PD3016	PD3116	16A
PD3020	PD3120	20A
PD3032	PD3132	32A
PD3040	PD3140	40A
PD3045	PD3145	45A
PD3050	PD3150	50A
PD3063	PD3163	63A

RCDs

3-YEAR GUARANTEE

- Type A RCDs provide protection for general purpose applications as well as equipment incorporating electronic components
- 30mA tripping current
- Double pole
- 2 module width
- In compliance with IEC 61008-1

RCDs

PD2063	63A 30mA DP Type A
PD2080	80A 30mA DP Type A
PD2010	100A 30mA DP Type A

Accessories

- Full MCB sized blank module
- Lock securer cover to prevent access to circuits

Accessories

PD6010	SPD Type 2 Kit (1 Mod SPD)
PD9010	Blank Module (Din Rail Mounted)
PD9901	Consumer Unit Visor Locking Kit
PD9902	Oval Knockout Grommet
PD9903	Label Sheet (Pack of 10)
PD9904	MCB Lock (Pack of 5)
PD9905	Meter Tail Clamp
PD9906	Deta Branded Visor Blank (Pack of 10)
PD9951	Off Peak Conversion Kit
PD999009	9M Busbar (Pack of 5)
PD999021	21M Busbar
PD9910	14 Module Flush Mounting Frame
PD9911	18 Module Flush Mounting Frame
PD9912	22 Module Flush Mounting Frame

Safety Alarms

Deta's **Safety Alarm** range provides a comprehensive solution for detecting fire, carbon monoxide and carbon dioxide levels within domestic properties in accordance with British Standards and Building Regulations.

5-YEAR
GUARANTEE

(unless otherwise stated)

Contents

Fire Detection Systems

Design Requirements

Fire detection systems design requirements in domestic premises are laid out in the BS 5839-6.

This code of practice outlines the requirements for the design of fire alarm systems in both new properties and in retrofit properties. The standard details the types of alarm (Grade) and the level of protection (Category) required for specific dwellings.

Grade of Systems

Deta's range of fire alarms can be installed to meet the requirements of grade D1 and D2 installations (see BS5839-6:2019 for full details).

Grade	System	Primary Power	Back Up Power	For Use In	Optical Alarm	Heat Alarm
D1	Integrated System of one or more alarms	Mains Power	Tamper Proof Long Life Battery	Rented or Multiple Occupancy Properties	1164[1]	1166[2]
D2			Replaceable Battery	Owner Occupied Properties	1163[1]	1165[2]
	Combo Alarm				1171[1&2]	1171[1&2]

[1] Optical Alarms conform to BS EN 14604:2005/AC:2008
[2] Heat Alarms conform to BS 5446-2:2003

Category of Systems

BS 5839-6:2019 identifies that the level of protection required in domestic properties must relate to fire risk and stipulates where alarms need to be installed. It identifies three distinct categories of protection required (see BS5839-6:2019 for full details).

Grade	Protection Level	Alarm Installation Criteria	Rooms
LD1	High	All circulation areas that form part of an escape route from the premises and in all rooms and areas other than those with negligible sources of ignition such as toilets, bathrooms and shower rooms	Hallways, Landings, Kitchen and Living Rooms, Bedrooms, Airing / Meter Cupboards
LD2	Medium	All circulation areas that form part of an escape route from the premises and in specified areas that present high risk to occupants including any kitchen and principal habitable room	Hallways, Landings, Kitchen and Living Rooms
LD3	Low	All circulation areas that form part of an escape route from the premises	Hallways and Landings

Carbon Monoxide Detection

Carbon Monoxide is a poisonous gas created when fossil fuels go through a combustion process. It is tasteless and odourless and if you are exposed to it in unvented areas, it can have very serious health effects. There are various appliances around the home that can create carbon monoxide. These fossil burning appliances can include boilers, gas fires or portable heaters, your fireplace and even gas cookers. These appliances should be vented correctly to allow any carbon monoxide to be exhausted into the open atmosphere, taking it safely away.

Carbon monoxide is created when the combustion of these fossil fuels is incomplete. To ensure that appliances are working correctly, they should be maintained regularly, preferably annually. The level of carbon monoxide is measured in parts per million (ppm). The maximum allowable concentration for continuous exposure is 35ppm in an 8 hour period.

Know the danger signs

- Staining, sooting or discolouration around the appliance
- A yellow or orange flame where normally blue
- Condensation on walls and windows once the appliance is lit
- Rusting or water streaking on appliance cabinet/vent/chimney
- Loose or disconnected vent/chimney connections or guards

What the Regulations Say

In England and Wales, the Building Regulations Approved Document J, 2013 edition, calls for carbon monoxide alarms to be provided in the room where a solid fuel appliance is installed, whether it is a new or replacement appliance being installed (clause 2.34). Where properties have flues that are concealed and in voids, inspection hatches need to be fitted, but until this happens CO alarms should be installed in the interim (TB008 Edition 2).

In Scotland, the Building Standards Technical Handbook 2017: Domestic Buildings requires carbon monoxide alarms to be fitted in any room where a new or replacement fixed combustion appliance is installed (excluding an appliance used solely for cooking) and in any room that has a flue running through it (clause 3.20.20).

Positioning of Alarms

Alarms should be placed in the same room as the fuel burning appliance, between 1-3m away horizontally. The alarm should also be placed in any room that has a flue running through it.

Alarms should not be positioned in enclosed spaces, for example behind curtains or cupboards, and not next to doorways or windows.

Optical Smoke & Heat Alarms

- Mains powered with battery back-up
- Test & Silence button
- Sound output 85dB at 3m
- Optical alarms conform to BS EN 14604:2005/AC: 2008
- Heat alarms conforms to BS 5446-2: 2003

Optical Smoke Alarms

1163	Replaceable 9V battery back-up [1]
1164	Tamper proof long life battery back-up [2]

[1] For use in Grade D2 fire detection systems
[2] For use in Grade D1 fire detection systems

1163

Heat Alarms

1165	Replaceable 9V battery back-up [1]
1166	Tamper proof long life battery back-up [2]

1165

Fire and Carbon Monoxide Mains Powered Alarms

Easy to Install

Easy fix mounting base provides large wiring space, with alarm connected using a fly lead. Alarm head easily detachable, providing access to the battery.

Dust Protection

Foam gasket on base and dust cover on alarm head protects the alarm from dust ingress during building works.

Interlinkable
(up to 12 units)

Fire and Carbon Monoxide alarms interlink to form one integrated alarm system, with different alarm patterns to identify alarm trigger.

LED Indicators

Including power, missing/low battery, and alarm status indications. A red LED flashes on the initiating alarm, providing a visible indication.

1171

Multi-Sensor Fire Alarm

Combines optical and heat for enhanced fire response

Mains Powered

Long life lithium battery back up

Recommended for:

Bedroom   Dining Room   Hallway

Landing   Lounge   Loft

Dust Compensation

Compliance

BS EN 14604-2005
BS 5446-2-2003

Combined Optical & Heat Alarm

1190

Wireless Controller

For remote testing and silencing of Multi-Sensor Fire Alarm

Wall Mounted Cradle

For safe keeping

Battery Powered

2x AA

Combined Optical & Heat Alarm

- Mains powered with battery back-up
- Test & Silence button
- Sound output 85dB at 3m
- Optical alarms conform to BS EN 14604:2005/AC: 2008
- Heat alarms conforms to BS 5446-2: 2003

Combined Optical & Heat Alarm	
1171	Tamper proof long life battery back-up [1,2]

Alarm Controller	
1190	Wireless

1171   1190

Carbon Monoxide Alarm

- Mains powered with battery back-up
- Conform to BS EN50291-1:2018
- Test button
- Sound output 85dB at 3m

Carbon Monoxide Alarm	
1169	Replaceable 9V battery back-up

1169

deta

Carbon Monoxide Battery Powered Alarm

7-YEAR GUARANTEE

- Conforms to BS EN50291-1:2018 (dwellings) and BS EN50291–2:2019 (mobile)
- Test/silence button
- LED operating indicators
- Long life 7-year sensor and sealed for life battery

1139

Carbon Monoxide Alarm

1139   Tamper-proof battery

New Regulations Now in Effect

On the 23rd November 2021, the Government announced its response to a consultation on the use of smoke and carbon monoxide (CO) alarms in domestic properties.

The results of the consultation led to an extension of the **Smoke and Carbon Monoxide Alarm (England) Regulations 2015**, which has been introduced. **The Smoke and Carbon Monoxide Alarm (Amendment) Regulations 2022** came into effect from 1 October 2022. What this means is that both smoke and CO alarms are required in many more homes in England and that landlords must comply or risk a fine of up to £5,000.

Prior to the new regulations, it was only necessary for private landlords to install a CO alarm in properties where a solid fuel burning appliance was fitted. Since 2015, all houses in the private rented sector have had to have at least one smoke alarm on each storey where a room is used as living accommodation.

- **Sleek Compact Design**
    - Height 90mm x Width 135mm x Depth 50mm

- **10 Year Expected Lifecycle**
    - Sensor and Battery (Sealed Lithium)

- **Status Indicators**
    - Alarm, Power & Fault

- **Alarm**
    - Accelerated Response Time as CO Exposure Increases Loud (>85dB at 1 meter)

- **CO Level**
    - Displayed as Parts Per Million (PPM)

- **Operating Conditions**
    - Temp (C) - 10 to +40 Humidity 30-90%

Carbon Dioxide and Temperature Monitor

- 230V mains rated
- Live readouts for CO_2 levels (PPM) and temperature (°C)
- CO_2 readouts for 8 hour (average) and 24 hour (average and peak) periods
- Traffic light system indicating CO2 levels and if improved ventilation is required
- Suitable for installation within a 1 gang 35mm deep flush mounting back box
- 2-year guarantee

1142

Carbon Dioxide & Temperature Monitor

1142	Carbon dioxide and temperature monitor

Carbon Dioxide Detection

Carbon Dioxide (CO_2) is present in the external air we breathe at concentration levels of around 400 parts per million. Whilst it is not harmful to health at low concentration levels, as people release CO_2 into the air when they exhale, increased levels of CO_2 can occur.

CO_2 Monitors are generally installed in the main or principal bedroom in a dwelling to raise occupant awareness of CO_2 levels (and therefore other pollutants) present in their homes and of the need for them to take proactive measures to increase ventilation.

Deta's Carbon Dioxide and Temperature Monitor incorporates state of the art infra-red technology to accurately measure CO_2 levels within the home, providing occupants with clear readings as to air quality and guidance on whether action should be taken to improve it.

Slim Compact Design

With a sleek design and protruding only 15mm from the wall, Deta's CO_2 monitor has the same dimensions as a standard light switch, allowing it to blend discreetly into the decor of any room.

Easy Install

Fitting neatly within a 35mm flush back box and with a two part assembly, the monitor head can be easily clipped onto the mounting plate, allowing for installation after decorating is completed.

Compliant with the Scottish Technical Handbook

Displays live readouts alternating between CO_2 (PPM) and temperature (°C) with CO_2 logged over a 24 hour period. Readings for 8 hour (average) and 24 hour (average and peak) provided along with a traffic light indication to meet the requirement for CO_2 monitoring in domestic dwellings.

Relay Bases

- Mains powered (1192 with battery backup)
- Volt-free contacts to switch 240VAC/24VDC auxiliary devices
- Switched input connection for sprinkler system or similar
- Replaces standard Deta alarm base to interlink with mains powered smoke, heat and CO Alarms

1191/1192

Relay Bases

1191	Relay & Trigger Base
1192	Relay & Trigger Base with Battery Back-Up

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Residential Lighting

Deta's **Residential Lighting** range offers energy efficient solutions for interior and exterior lighting. From Fire Rated Downlights, Surface Luminaires and Shaver Lights to Wall Lights and Lanterns, the range offers a number of modern and traditional luminaires suitable for multiple applications. Motion sensors are the latest addition to the range, providing the option for lighting control.

5-YEAR GUARANTEE

(unless otherwise stated)
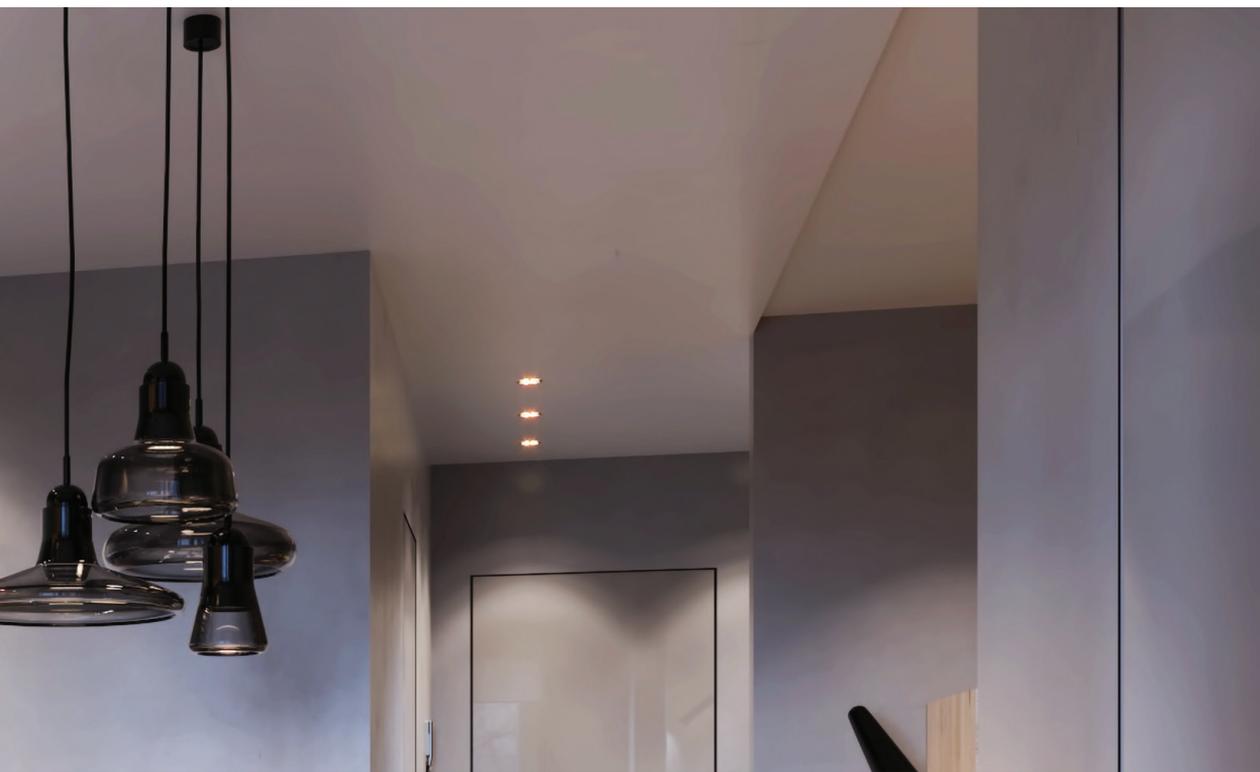
Contents

Fire Rated Downlights

- Supplied with a dimmable GU10 LED lamp
- 2800K or 4000K colour temperature lamp options
- Compatible with Deta trailing edge and universal dimmers

Fire Rated Downlights

L1701WH# Fire Rated Dimmable Downlight - White
L1701CH# Fire Rated Dimmable Downlight - Shrome
L1701SC# Fire Rated Dimmable Downlight - Satin Chrome

L1701CH#

COMPATIBLE WITH ALL DETA DIMMERS

Installation Information	
Cut Out Ø	Min. Void Depth
70mm to 75mm max.	120mm

Available with either a 2800K or 4000K lamp. When ordering, please indicate preference by adding the suffix 3 for 2800K or 4 for 4000K.
e.g. L1701CH3 for a 2800K LED Lamp

NB. 5 year lamp warranty based on maximum usage of 8 hours per day

Integrated Fire Rated Downlights

- Integrated LED FRD for residential & commercial applications
- 5-8W Power Selectable, 550lm to 880lm, CCT4 Selectable 2700K, 3000K, 4000K, and 6000K (Warm whites, Cool White, Daylight), 60° Beam Angle, IP65, 220-240V
- 30, 60 & 90 minute fire rated – Building Regulations Part B compliant, and reduces passage of sound (Part E of Building Regs.)
- Dimmable and optimised for use with Deta Universal Dimmers
- Plug and Play driver connector with loop-in/loop-out screwless terminal block for easy termination of T&E cables
- Easy switching between two power settings and four colour temperatures with both switches located under the product bezel
- IP65 for front rating for total protection against dust and low pressure jets of water from any direction
- IC rated construction allows insulation to be laid directly over the top of the fitting, mounting springs suitable for single and double thickness plaster board

L1502WH

Integrated Fire Rated Downlights

L1502WH 5-8W CCT4 IP65 IFR Downlight - White
L1502CH 5-8W CCT4 IP65 IFR Downlight - Chrome
L1502SC 5-8W CCT4 IP65 IFR Downlight - Satin Chrome

Installation Information	
Cut Out Ø	Min. Void Depth
70mm	60mm

IP65 Fire Rated Downlights

Fire Safety

30 minute fire resistant tested in the following floor constructions:

✓ James Jones I-Joist   ✓ Steico I-Joist
✓ Masonite I-Joist   ✓ Metal Web Joist
✓ Metsa Wood I-Joist   ✓ Solid Timber Joist
✓ Staircraft I-Joist*   ✓ Concrete

*Tested for 30 & 60 minutes

Multi Purpose

Rated IP65 and dimmable as standard, allows for one fitting to be installed in all internal areas, from hallways and living areas to bathrooms and kitchens.

Easy to Install

Large terminal housing provides ample wiring space, includes push fit terminals, screwless cable clamp and 180 degree hinged lid, minimising installation time.

Protractable Lampholder

The spring-loaded lamp holder extends when the bezel is removed, providing easy access.

Ventilation

Top and side vents designed to maximise heat dissipation ensuring lamp performance and longevity, with the terminal housing acting as an insulation separator.

FIRE RATED   LED   ENERGY SAVING   IC-F RATED INSULATION COVERABLE   I-Joist Floor   Metal Web Joist   PART B,C,E & L   5-YEAR GUARANTEE

![deta logo]

Stratus 8W Surface Luminaire

(ENERGY SAVING) (IP65) (LED) (3-YEAR GUARANTEE)

- White or chrome bezel, opal diffuser
- 8W LED
- 520 lumens
- 4000K colour temperature
- Integral driver
- IP65 rated

8W Standard - White/Chrome

L1011WH   L1011CH

L1011WH 8W LED standard - white
L1011CH 8W LED standard - chrome

Stratus 14W Surface Luminaire

(ENERGY SAVING) (IP65) (LED) (3-YEAR GUARANTEE)

- White or chrome bezel, opal diffuser
- 14W LED
- 1200 lumens
- 4000K colour temperature
- Integral driver
- IP65 rated

14W Standard - White/Chrome

L1021WH   L1021CH

L1021WH 14W LED standard - white
L1021CH 14W LED standard - chrome

Shaver Lights

(ENERGY SAVING) (LED) (2-YEAR GUARANTEE)

- Dual voltage outlet 240V/115V
- Replaceable 6W LED Lamp
- 480 lumens
- 3000K colour temperature

LED Shaver Light

994   Dual voltage with socket, pull cord switch
           and LED lamp

994

- Slim profile
- Dual voltage outlet 240V/115V
- Integrated LED light source rated at 7W
- 450 lumens
- 4000K colour temperature

Integrated LED Shaver Light

L1094

L1094   LED dual voltage with socket, pull cord switch

Stainless Steel Wall Lights

- Supplied with 6500K LED Lamp
- GU10/240V Lamp holder
- High grade stainless steel (grade 304) body and glass diffuser, suitable for non-coastal regions
- IP44 rated
- PIR – Auto Off/Manual override switching function
- In compliance with BS EN 60598-1

L2852LED6

L2855/6/8

Stainless Steel Grade 304

L2852LED6 Up/Down
L2855LED6 Fixed with PIR
L2856LED6 Up/Down with PIR
L2858LED6 Up/Down with PIR (tall body)

L2856LED6

L2858LED6

Stainless Steel Lanterns

- E27 lamp holder
- Grade 304 Stainless Steel
- Supplied with optional 9.5W 2800K or 4000K LED lamp
- IP44 rated
- PIR Auto Off/Manual override switching function
- In compliance with BS EN 60598-1

Stainless Steel Lanterns

L2863 Stainless steel lantern with PIR
L2863LED† Stainless steel lantern with PIR and LED lamp

L2863

L2863LED#

†Available with either a 2800K or 4000K lamp. When ordering, please indicate preference by adding the suffix 3 for 2800K or 4 for 4000K.
e.g. L2863LED3 for a 2800K LED Lamp.

Polycarbonate Lanterns

- Maximum lighting load 100W
- E27 lamp holder
- Supplied with optional 9.5W 2800K or 4000K LED lamp
- PIR detector range up to 12m x 120° adjustable
- Adjustable 'on' timer 10 sec - 10 min approx
- IP44 rated
- PIR - Auto Off/Manual override switching function
- Adjustable dusk-to-dawn sensor
- In compliance with BS EN 60598-1

L2833BK   L2835BK   L2835WH

Traditional Coach Lantern with PIR

L2833BK	6 Panel lantern - black
L2833BKLED†	6 Panel lantern with LED lamp - black

Traditional Half Lantern with PIR

L2835BK	Half lantern - black
L2835WH	Half lantern - white
L2835BKLED†	Half lantern with LED lamp - black
L2835WHLED†	Half lantern with LED lamp - white

†Available with either a 2800K or 4000K lamp. When ordering, please indicate preference by adding the suffix 3 for 2800K or 4 for 4000K.
e.g. L2833BKLED3 for a 2800K LED Lamp.

Die Cast Lanterns

- Maximum lighting load 60W
- E27 lamp holder
- Attractive bevelled glass panels
- PIR detector range up to 8m x 120°
- Adjustable 'on' timer 10 sec - 7 min approx
- Adjustable dusk-to-dawn sensor
- Supplied with optional 9.5W 2800K or 4000K LED lamp
- IP44 rated
- In compliance with BS EN 60598-1

L2842B   L2842W*

Die Cast Aluminium Lantern

L2842B	6 Panel lantern - black
L2842W*	6 Panel lantern - white
L2842BLED†	6 Panel lantern with LED lamp - black
L2842WLED†	6 Panel lantern with LED lamp - white

Die Cast Aluminium Lantern with PIR

L2843B	6 Panel lantern - black
L2843W	6 Panel lantern - white
L2843BLED†	6 Panel lantern with LED lamp - black
L2843WLED†	6 Panel lantern with LED lamp - white

†Available with either a 2800K or 4000K lamp. When ordering, please indicate preference by adding the suffix 3 for 2800K or 4 for 4000K.
e.g. L2843BLED3 for a 2800K LED Lamp.

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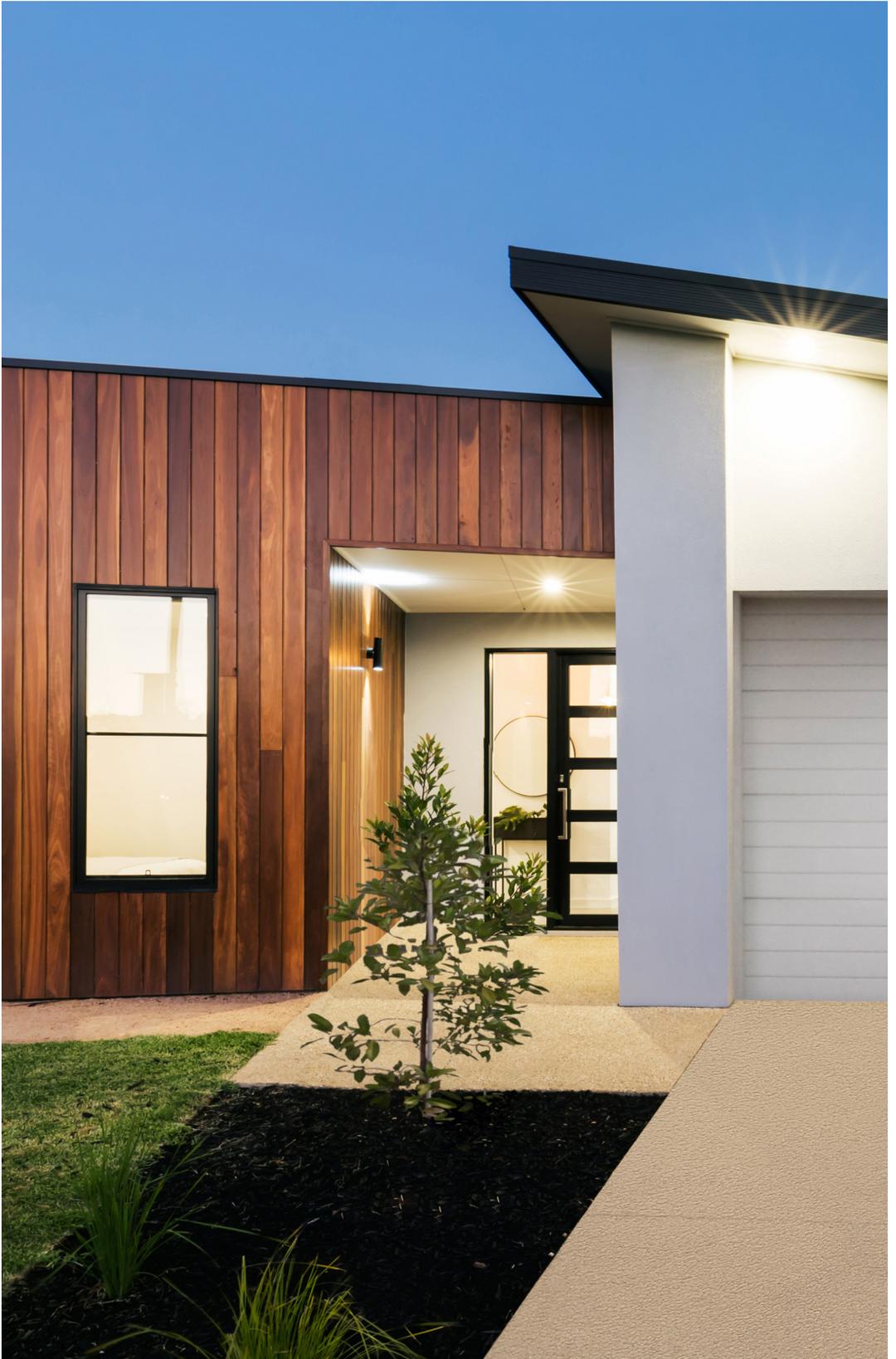
Technical

Contents

Back Box Cross Reference Table

FLUSH MOUNTING

- Slimline, Slimline Screwless, Slimline Décor

Depth	METAL BOXES				DRY LINING BOXES	
	16mm	25mm	35mm	47mm	35mm	46mm
SOCKETS						
1 gang 13A		DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
2 gang 13A		DB163	DB165	DB168	DB2541	DB2543
Round pin sockets		DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
Shaver sockets				DB168		DB2543
USB charging sockets (3 port)*		DB163*	DB165	DB168	DB2541	DB2543
PLATE SWITCHES						
1, 2 and 3 gang	DB152	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
4 and 6 gang		DB163	DB165	DB168	DB2541	DB2543
Intermediate		DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
3 pole fan isolator	DB152	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
DIMMER SWITCHES						
1 and 2 gang		DB162	DB164 / DB166	DB167	DB2540 / DB254	DB2542
3 and 4 gang		DB163	DB165	DB168	DB2540 / B2545	DB2543
CONNECTION UNITS						
Fused/unfused		DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
HIGH CURRENT SWITCHES						
1 gang 20A		DB162	DB164	DB167	DB2540	DB2542
1 gang 50A				DB167		DB2542
1 gang tall 50A				DB168		DB2543
Cooker control unit				DB168		DB2543
45A outlet				DB167		DB2542
MULTIMEDIA OUTLETS						
Telephone outlets		DB162	DB164 / DB166	DB167	DB2540 /DB2545	DB2542
TV outlets			DB164 / DB166	DB167	DB2540 /DB2545	DB2542
FLEX CONNECTION/BLANK PLATES						
Flex connection plate			DB164 / DB166	DB167	DB2540 / DB2545	DB2542
1 gang blank plate	DB152	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
2 gang blank plate		DB163	DB165	DB168	DB2541	DB2543
CEILING SWITCHES						
10A			DB2544 (34mm)			
50A				DB167	DB2540 / DB2545	DB2542
MEDIA PLATES						
4 gang			DB184 (40mm)			
Recessed				DB146 (60mm)		

* Limited cable entry positions at bottom of the box

Back Box Cross Reference Table

FLUSH MOUNTING

- Ultra Flatplate and Ultra Screwless

		METAL BOXES			DRY LINING BOXES	
Depth	25mm	33	46mm	35mm	46mm
SOCKETS					
1 gang 13A		DB164 / DB166	DB167	DB2547 / DB2545	DB2542
1 gang 13A		DB165	DB168	DB2548	DB2543
Round pin sockets		DB164/DB165	DB167	DB2547 / DB2545	DB2542
Shaver sockets			DB168		DB2543
USB charging socket (3 port)*		DB165	DB168	DB2548	DB2543
PLATE SWITCHES					
1, 2 and 3 gang	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
4 and 6 gang	DB163	DB165	DB168	DB2541	DB2543
Intermediate	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
3 pole fan isolator	DB162	DB164 / DB166	DB167	DB2540 / DB2545	DB2542
DIMMER SWITCHES					
1 and 2 gang		DB164 / DB166	DB167	DB2540 / DB254	DB2542
CONNECTION UNITS					
Fused/unfused		DB164 / DB166	DB167	DB2547 / DB2545	DB2542
HIGH CURRENT SWITCHES					
1 gang 20A		DB164	DB167	DB2540	DB2542
1 gang 50A			DB167		DB2542
1 gang tall 50A			DB168		DB2543
Cooker control unit			DB168		DB2543
MULTIMEDIA OUTLETS					
Telephone outlets	DB162	DB164 / DB166	DB167	DB2547 / DB2545	DB2542
TV outlets		DB164 / DB166	DB167	DB2547 / DB2545	DB2542
CONNECTION/BLANK PLATES					
1 gang blank plate	DB162	DB164 / DB166	DB167	DB2547 / DB2545	DB2542
2 gang blank plate	DB163	DB165	DB168	DB2548	DB2543
MEDIA PLATES					
8175 4 Gang Ultra Flatplate		DB184 (40mm)			
8576 2 Gang Ultra Screwless			DB185 (49mm)		
8575 4 Gang Ultra Screwless			DB186 (49mm)		

* Limited cable entry positions at bottom of the box

Back Box Cross Reference Table

SURFACE MOUNTING

- Slimline

	Depth	PATTRESS BOXES			
		16mm	25mm	33mm	45mm
SOCKETS					
1 gang 13A			V1221/V1225	V1222/V1226	V1228
2 gang 13A			V1223	V1224	V1229
Round pin sockets			V1221/V1225	V1222/V1226	V1228
Shaver sockets					V1229
USB charging sockets (3 port)*			V1223	V1224	V1229
PLATE SWITCHES					
1, 2 and 3 gang		V1220E	V1221/V1225	V1222/V1226	V1228
4 and 6 gang			V1223	V1224	V1229
Intermediate		V1220E	V1221/V1225	V1222/V1226	V1228
3 pole fan isolator		V1220E	V1221/V1225	V1222/V1226	V1228
ARCHITRAVE SWITCHES					
1 gang		V1324			
2 gang		V1325*			
DIMMER SWITCHES					
1 and 2 gang			V1221/V1225	V1222/V1226	V1228
3 and 4 gang			V1223	V1224	V1229
CONNECTION UNITS					
Fused/Unfused			V1221/V1225	V1222/V1226	V1228
HIGH CURRENT SWITCHES					
1 gang 20A			V1221/V1225	V1222/V1226	V1228
1 gang 50A					V1228
1 gang tall 50A					V1229
Cooker control unit					V1229
45A outlet					V1228
MULTIMEDIA OUTLETS					
TELEPHONE			V1221/V1225	V1222/V1226	V1228
TV				V1222/V1226	V1228
FLEX CONNECTION/BLANK PLATES					
Flex connection plate				V1222/V1226	V1228
1 gang blank plate		V1220E	V1221/V1225	V1222/V1226	V1228
2 gang blank plate			V1223	V1224	V1229
CEILING SWITCHES					
10A					
50A					V1228

* Limited cable entry positions at bottom of the box

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Terminal Capacity

Product	No. And Size Of Conductors Accommodated					
	1.0mm^2	1.5mm^2	2.5mm^2	4.0mm^2	6.0mm^2	10mm^2
13A sockets			4	2	2	1
Connection units			4	2	1	1
2A round pin sockets	3	2	1			
5A round pin sockets		3	2			
15A round pin sockets		4	3	1		
Plate switches	4	3				
20A switch			4	2	1	1
Shaver socket outlet	3	2	1			
50A switch			5	3	2	1

Mounting Box Knockouts

Metal Boxes

Knockouts	DB164	DB165	DB171	DB172	DB173	DB174
20mm	6	8	4	5	7	8
25mm	2	4	4	5	7	8
dimensions (mm)	72x72x35	132x72x35	132x132x42	132x192x42	192x192x60	192x250x60

Metalclad Back Boxes

Knockouts	M1228	M1229	M1230	M1231	M1232	M1233
20mm	5	8	4	6	7	8
25mm			4	6	7	8
dimensions (mm)	78x78x41	136x78x41	136x136x42	136x197x42	197x197x60	197x258x60

deta

Lampholder 'T' Rating

Bayonet (B22) lampholders without a T marking or marked T1 are suitable for temperatures on the cap up to and including 165°C. Bayonet (B22) lampholders with a T2 marking are suitable for temperatures on the cap up to and including 210°C.

Alternatively T ratings may state the operating temperature, e.g. T190 would equate to 190°C.

Lamp cap temperatures will depend on the lampholder orientation, lampshade or enclosure used and lamp rating.

Refer to the IET Wiring Regulation (BS7671) for the use of T2 rated lampholders.

Dimmers

Universal Dimmers

Universal dimmer switches are suitable for controlling LED and incandescent bulbs. They automatically change the dimming mode to either Leading Edge (LE) or Trailing Edge (TE) to suit the type of load connected.

Multiway dimming can be achieved the Universal Dimmer by connecting up to 20 switches to allow dimming from all positions.

Universal Dimmers can operate loads from 3W up to 250W of dimmable LED lamps, and up to 350W for incandescent loads. Whilst the dimming mode changes automatically to suit the load, it can be manually reprogrammed from Leading Edge (LE) to Trailing Edge (TE) mode if compatibility issues are found when dimming LED lamps. In addition to this, the minimum dimming level can be set – see the instruction leaflet.

The maximum and minimum load, as well as the maximum number of lamps the dimmer can control will vary according to the make and type of LED lamp. Compatibility between the load and dimmer should be checked before installation.

Dimmer switches are available in Deta's Vimark, Vimark Curve, Slimline, Slimline Screwless, Slimline Décor, Ultra Flatplate and Ultra Screwless ranges in both 1g and 2g, and as a Gridswitch Module.

Universal Dimmer Wiring Diagram
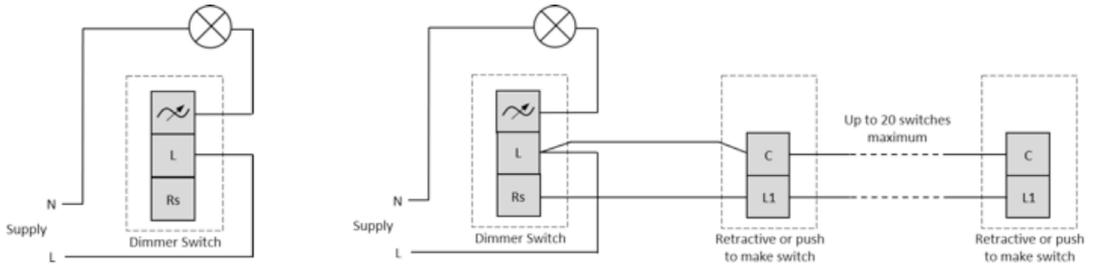
Universal Gridswitch Dimmers

Dimmer switch modules in the Gridswitch range need to be de-rated when installed in multiple gang frontplates. Also, the dimmer switches must be installed in the lower rows of the frontplate. It is recommended that back boxes for dimmer switches are at least 40mm deep.

Dimmers in the bottom row should be de-rated to 75% of their maximum load. Dimmers in the second from bottom row should be de-rated to 50% of their maximum load, and dimmers in the third from bottom row should be de-rated to 50%. It is not advisable to install dimmers in the top row.

Dimmers

Trailing Edge Dimmers

Trailing Edge Dimmers are suitable for LED lamps requiring Trailing Edge Dimming technology, incandescent and low voltage lamps. Ideal for controlling the DETA range of Fire Rated Dimmable LED Downlights, the dimmer can control a minimum LED load from 5W to a maximum of 100W. For incandescent loads the dimmers have a maximum load of 250W.

The trailing edge dimmers can be used in 2-way circuits, with a dimmer in one position and a standard switch in the other. The dimmer can be mechanically adjusted for minimum dimming level.

As with the Universal dimmers, the maximum and minimum load, as well as the maximum number of lamps the dimmer can control will vary according to make and type of LED lamp. Compatibility between the load and dimmer should be checked before installation.

Trailing Edge Dimmer Wiring Diagram
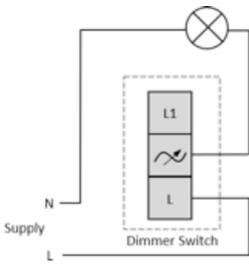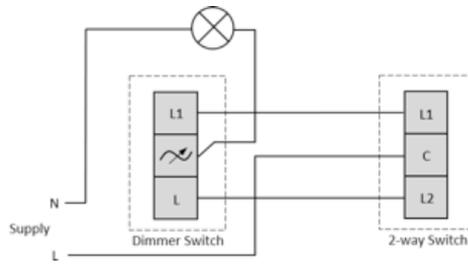
1-Way   2-Way

Dimmer Compatibility

The compatibility between the universal dimmer and load must be checked before installation. The number of light fittings as well as the total wattage will affect how well the dimmer performs. Therefore, the total number of light fittings that are planned to be controlled by the dimmer must be checked for compatibility. For optimum performance, all the LED lamps connected to the dimmer must be of the same brand and wattage.

Part M

Building Regulation Approved Document M (commonly referred to as PART M) covers access to and use of buildings and facilities by disabled people.

Part M involves the provision of wide doorways, ramped access for wheelchairs, design of hand rails, stairwells and so on.

With respect to switches, outlets and controls there are design considerations that should be taken into consideration where the key factors are easy of operation, visibility, height and freedom of obstruction.

Users of switches, outlets and controls should be able to locate a control and know what setting it is on without inadvertently changing its setting. Controls which visually contrast with their surroundings are more convenient for visually impaired people, as are light switches that have large or wide rockers. It is preferable for switches on panels and multiple socket outlets to be well separated to avoid inadvertent operation.

Apart from the design of the switch, outlet or control, its position is important. The switches will satisfy requirement M1 where they are positioned between 400 and 1200mm from the floor, and between 900 and 1100mm for general public use. Whereas sockets should be mounted between 400 and 1000mm. Also, the switches should be an equal distance from the door frames and not closer than 350mm to the corners of rooms.

1200mm

e.g. switches
and controls

400mm

e.g. sockets,
telephone
outlets

1000mm   400mm

350mm
min

![deta logo]
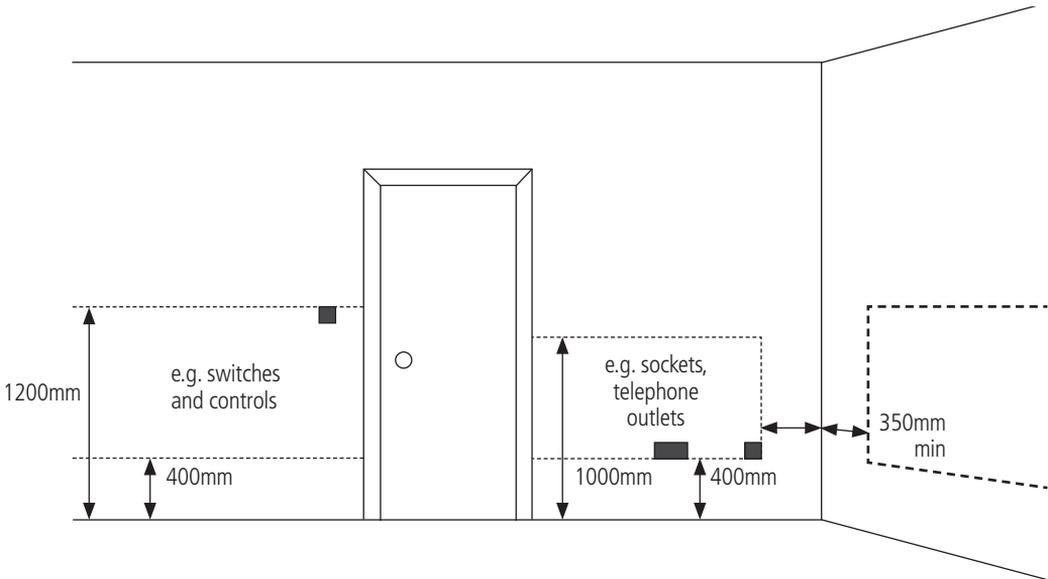
TV Systems

- TV Outlets or modules must not be installed in the same enclosure as mains voltage systems

There are different AV distribution systems available, each of which have different cabling and termination requirements. A terrestrial system may have an aerial feeding a single coax TV connection point. A slightly complex system may include a combination of aerial, satellite, broadband and radio inputs which are fed to their corresponding AV equipment such as a TV, a satellite receiver box or a radio set. Where multiple AV outlets are required multi-switches, splitters and amplifiers are used to distribute signal.

Isolated sockets are intended for use where safety isolation (rated at 2kV) is required to provide protection against faults within any mains powered product used on different parts of the distribution system. Therefore, isolated sockets are to be installed where multiple coaxial socket outlets are required.

Diplexer outlets are intended for use where both TV and FM/DAB signals are combined on a single downlead. The filter within the diplexer separates the appropriate signal and feeds them to the relevant output connection.

Triplexer outlets are intended for use where TV, FM/DAB and satellite signals are combined on a single downlead. The filter within the triplexer separates the appropriate signal and feeds them to the relevant output connection. The triplexer provides a DC control path in the SAT signal path.

Quadplexer outlets contain TV, FM/DAB and two satellite outlets and are intended for use with Sky+, or more complex installations.

Sky Q – for installation in single dwellings, use two F-Type modules. For communal areas, the installation can be completed using a combination of a dSCR multi-switch and Deta's triplexer/quadplexer module.

A range of data plates and modules are also available in all Deta ranges, which allow the use of additional modules such as coaxial return sockets and telephone outlets for interactive TV applications.

Typical Installations
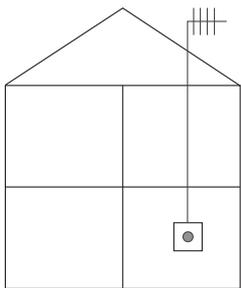
Basic domestic installation where a non-isolated coaxial outlet is connected directly to the aerial.
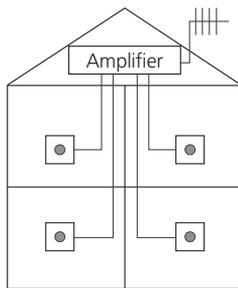
Communal aerial system, i.e. flats, hotels etc. where isolated coaxial outlets are wired separately to an amplifier.
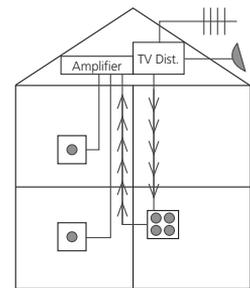
Domestic installation with satellite, including return feed for distribution to outlets in other rooms.

Wiring Circuits

Final Ring Circuits

Spur using a FCU connected directly
to the ring. Number of sockets is
dependent upon load characteristics,
and taking diversity into account

Unfused spur

Fixed equipment

1.5mm²

Fused connection unit

1 gang socket

2.5mm² conductors forming the ring

Floor area 100m² max

Unfused spur

2 gang socket (each socket counts as one)

Distribution Board

Consideration must be given to the need for protection by an RCD

32A MCB or 30A fuse for ring circuit

Final Radial Circuits

2g socket

2g socket

2g socket

1g socket

2g socket

Distribution Board

Final Circuits Using BS 1363 Socket-Outlets

Type of circuit	Overcurrent protective device		Minimum conductor size*		Maximum floor area served
			Copper conductor Thermo-setting or PVC insulation	Copper conductor mineral insulated cables	
	Rating Amps	Type	mm²	mm²	m²
A1 Ring	30 or 32	Any	2.5	1.5	100
2 Radial	30 or 32	Cartridge fuse or circuit breaker	4	2.5	75
A3 Radial	20	Any	2.5	1.5	50

*The tabulated values of conductor size may be reduced for fused spurs

Refer to the IET Wiring Regulations (BS 7671) for a complete description of conventional circuit arrangements.

IP Ratings

The IP (international protection) rating given to an enclosure states the degree of protection it offers by means of two digits.

A summary of these is shown below; for a more detailed definition, see IEC 529: 1989, BS EN 60529: 1992.

First Digit

Protection against solid foreign objects and access to hazardous parts

The first digit covers protection against penetration by solid objects, which includes hands and tools such as screwdrivers. At the lowest of seven levels, 0, no protection is offered, either of the equipment itself from damage by intrusion or of a person contacting live or moving parts. At the highest, 6, there shall be no entry of dust.

Second Digit

Protection against ingress of water

The second digit covers the degree of protection against the entry of water, on a progressive scale. For example, number 1 indicates that dripping water shall have no harmful effect. Alternatively, number 6 indicates water projected in powerful jets against the enclosure from any direction shall have no harmful effects.

IP	
0	No protection
1	Protected against solid objects up to 50mm e.g. accidental touch by hands
2	Protected against solid objects up to 12mm, e.g. fingers
3	Protected against solid objects over 2.5mm, e.g. tools and wires
4	Protected against solid objects over 1mm, e.g. tools, wires and small wires
5	Protected against dust - limited ingress, no harmful deposits
6	Totally protected against dust

IP	
0	No protection
1	Protected against vertical falling drops of water, e.g. condensation
2	Protected against direct sprays of water up to 15° from the vertical
3	Protected against sprays of water up to 60° from the vertical
4	Protected against water splashed from all directions - limited ingress permitted
5	Protected against low pressure jets of water from all directions - limited ingress permitted
6	Protected against strong jets of water, e.g. for use on ship decks - limited ingress permitted

The letter X can be used in place of the first or second digit to indicate that tests have either not been made or are not applicable.

NOTE In the event of additional holes being drilled/pierced or knockouts removed, suitable measures should be taken to restore the products to the original ratings.

IEC 529, BS EN 60529 does not apply to protection against the risk of explosion or conditions such as humidity, corrosive gases, fungi or vermin. In certain cases equipment designed to be mounted in an enclosure will contribute towards the stated IP rating (e.g. pushbuttons mounted in an enclosure). Different parts of enclosures can have different degrees of protection and still conform to the standard (e.g. enclosures with pre-drilled conduit entry).

Enclosure Configurations

Mains Switch Enclosures

Depending on the enclosure size chosen, allows from 5 up to a maximum of 19 independent circuits to be connected. Intended for use with RCBOs and/or AFDD/RCBOs, each circuit is individually protected against both overload and earth leakage to prevent nuisance tripping originating from other circuits, providing the safest circuit protection solution.

A 100A rated Type 2 SPD is factory fitted and utilises the standard busbar terminal connection as all other devices.
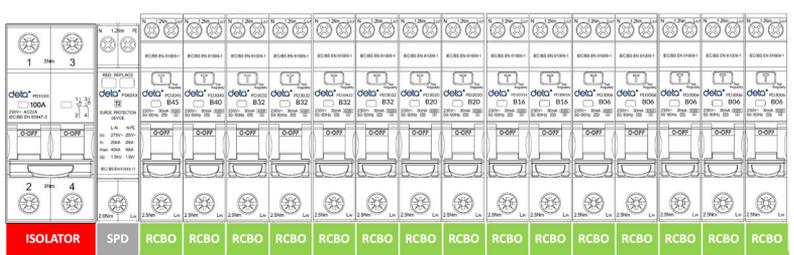
Enclosure Size	Number of Outgoing Ways
	Independent
8 Module	5
10 Module	7
14 Module	11
18 Module	15
22 Module	19

High Integrity Enclosures

Depending on the enclosure size chosen a number of independent circuits can be accommodated after the Main Switch with remaining circuits protected by two 100A 30mA Type A RCDs and MCBs. Enclosures are easily configured by sliding RCDs along the DIN rail depending on installation requirements.

A 100A rated Type 2 SPD is factory fitted and utilises the standard busbar terminal connection as all other devices.

Independent circuits using RCBOs or AFDD/RCBOs lend themselves to safety critical (e.g. safety alarms) and high risk (e.g. EV Charge Points) circuits, avoiding nuisance tripping whilst maximising protection.

Circuits protected by MCBs should be distributed across the two RCDs evenly with consideration given to circuit design. For example, downstairs and upstairs lighting circuits should be controlled by different RCDs to avoid a complete lighting outage if an earth leakage fault trips the connected RCD, cutting the supply to all the other connected circuits.
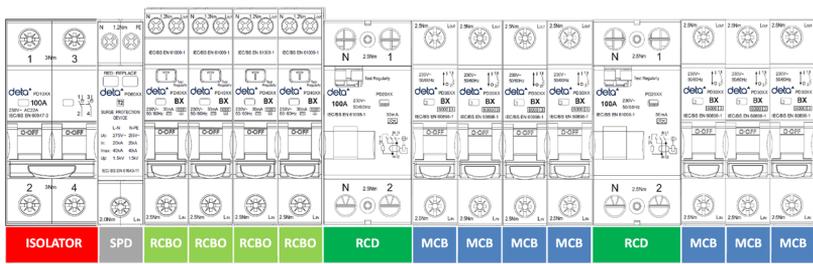
Enclosure Size	Number of Outgoing Ways			
	Independent	RCD 1	RCD 2	Total
18 Module	4 max.	6	5	11
22 Module	7 max.	8	7	15
32 Module	4 max.	11	14	25

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Vimark

Steeped in over 25 years of history, Deta Electrical's long established Vimark brand holds a reputation for the supply of high quality, value for money electrical and wiring accessories. Offering a wide portfolio of products, including wiring accessories, motion sensors, ventilation, hand dryers, back boxes and electrospares, Vimark is a long established and trusted brand that supports electrical contractors with their everyday installation requirements.

tte

TTE is a market leading brand of electrical conduit tube and fittings, combining the former Top Tubes Electrical and Stephen Glover businesses. With more than 50 years' experience, TTE has been specified and installed on many high-profile projects, including the London 2012 Olympic site, Wembley Stadium, Westfield Shopping Centre, Dubai International Airport and The Louvre Museum Abu Dhabi. TTE offers a reliable and best in class cable management solution that is fully compliant with British Standards.

TOWER

A long established brand, well regarded for its vast range of high quality installation materials, the trusted Tower brand represents an exciting addition to Deta's comprehensive brand portfolio. The Tower offer includes its highly acclaimed range of Installation Materials, including the original Tower Cable Clips, an 18th Edition Fire Rated range, Portable Power and Low Voltage Cable.

Brackenheath

Established in 1978, Brackenheath is renowned for supplying high quality and competitively priced domestic and commercial lighting products. Through continuous investment in LED and sensing technologies, Brackenheath pioneered the design of its market leading iSpot® range of slim profile, driverless LED Floodlights and continues to lead the way in bringing to market new and innovative LED lighting solutions.

BRITICENT SITE ELECTRICS

Since its inception in 1908, Briticent Site Electrics has enjoyed more than 100 years of successful trading with a long-standing customer base. Briticent built its reputation on the Gripper® range of handlamps, and over the years has developed a core range of essential site lighting and power distribution products. Briticent continues to lead the way with new and innovative energy saving products, becoming the site lighting brand of choice amongst electrical installers throughout the UK and Ireland.

CHANNEL

Established in 1976, Channel is a leading manufacturer of emergency LED lighting and safety systems and a key distributor of the UK's leading brands for fire detection solutions. Renowned for the breadth and depth of each product range, Channel has gained a loyal customer base driven by an excellence in technical and customer support. Proud to be affiliated with ICEL, LIA and EDA, Channel are registered with BSI and are members of the Apollo Partner Plus programme.

deta.e

Deta.e offers products that seamlessly combine Deta Electrical's core value of environmental preservation with its long established and trusted reputation for delivering high quality electrical products at competitive prices. Offering a range of smart, safe, and secure EV charge points, Deta.e embraces cutting edge technologies that offer sustainable solutions to assist homeowners and businesses in making an easy transition to a new energy efficient future. (deta-e.co.uk)

TIMEGUARD®

A trusted UK industry leader synonymous with quality and innovation, Timeguard has more than 25 years' experience in the manufacture and sale of time, light, safety, wi-fi and climate control electrical products. Continuously delivering energy savings that owners and occupiers are looking for, alongside the creation of new designs that offer easy installation, Timeguard has become a favourite among homeowners and installers. (timeguard.com)

Think electrical, think... deta

CERTIFIED
ISO 9001

CERTIFIED
ISO 14001

DETA | VIMARK | TTE | TOWER | BRACKENHEATH | BRITICENT | CHANNEL | DETA.E | TIMEGUARD