

Vimark & tte

Product Catalogue
June 2024



WIRING & CEILING ACCESSORIES | VENTILATION
HAND DRYERS | CABLE | CONDUIT TUBE & FITTINGS

deta[^]

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.

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 electrosparcs, 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. TTE offers a reliable and best in class cable management solution that is fully compliant with British Standards.

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

Vimark

Vimark is a long established and widely acclaimed range of traditional, square edged, white moulded wiring accessories.

Offering a comprehensive range of products, Vimark is suitable for new homes, where a conventional look is desirable, and older retrofit installations or commercial environments.



(unless otherwise stated)





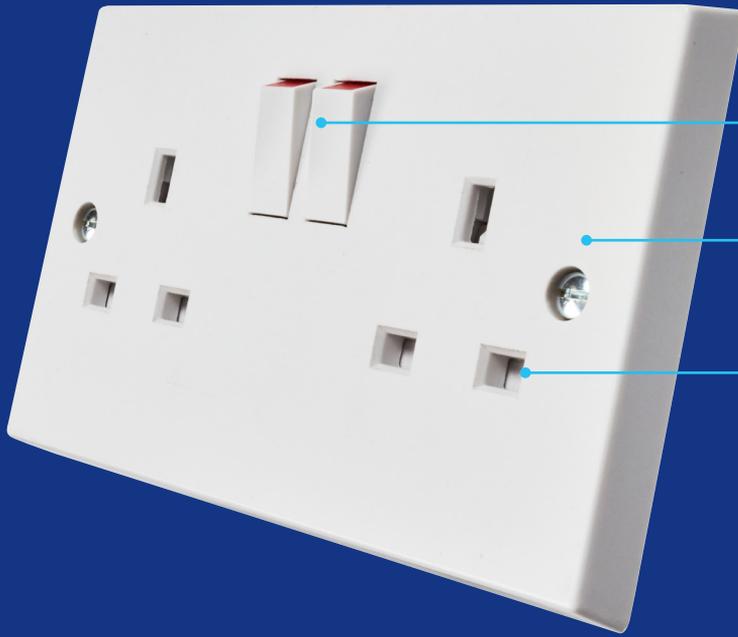
Product Features

- ▲ TRADITIONAL DESIGN
- ▲ PROVEN QUALITY & VALUE
- ▲ FULL RANGE OF ACCESSORIES INCLUDING GRIDSWITCH OPTIONS AVAILABLE
- ▲ IDEAL FOR DOMESTIC AND COMMERCIAL BUILDINGS

Vimark is manufactured from heat resistant urea and under strict production control conditions.

Sockets are available with either single or double pole switches. Live and neutral plug pin contacts on sockets are shielded by earth pin operated safety shutters. Fixing screws are attached to the rear of the frontplate for easy access.

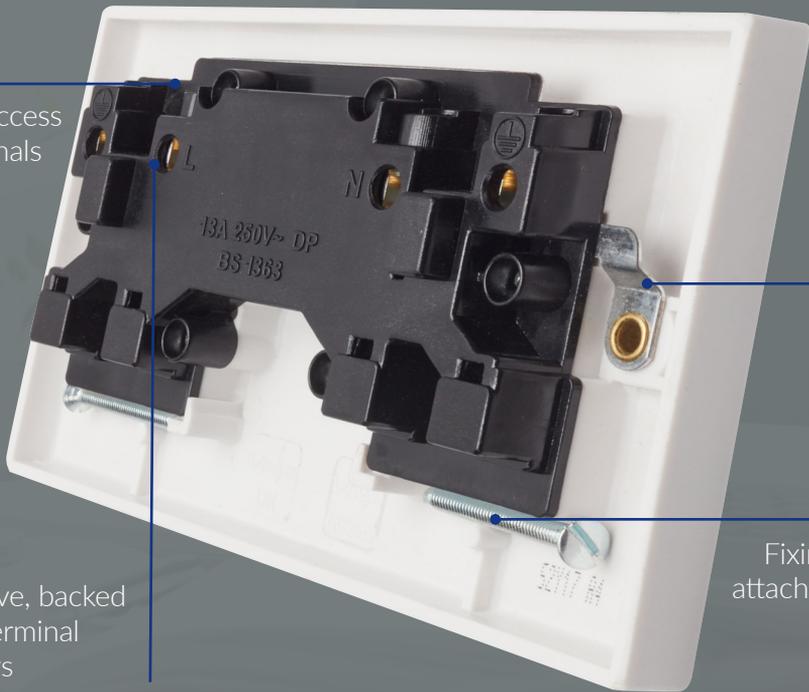
To ensure safe installation, the earth bar on the sockets is recessed, preventing accidental contact.



SP and DP switch options

Heat resistant urea frontplate

Earth pin operated shutters



Top access terminals

Recessed earth bar

Captive, backed out terminal screws

Fixing screws attached to rear of plate

Socket Outlets

- Twin earth terminals on 2 gang switched sockets
- Red flagged switch indicator
- In compliance with BS 1363: Part 2

Unswitched - 13 Amp

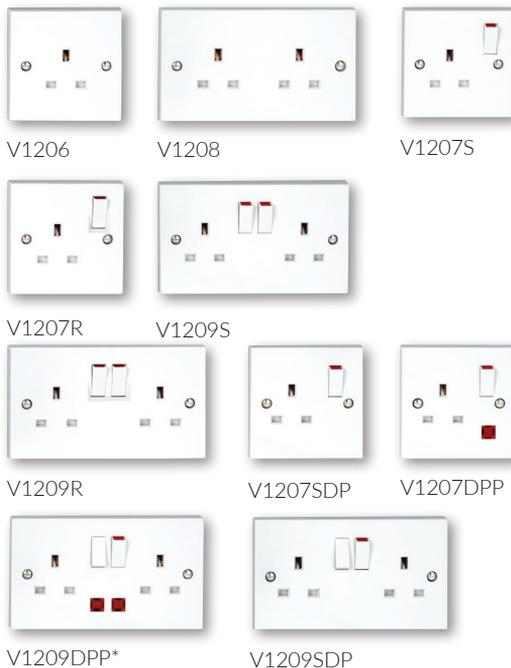
- V1206 1 gang unswitched
- V1208 2 gang unswitched

Single Pole - 13 Amp

- V1207S 1 gang switched
- V1207R 1 gang switched with recessed switch
- V1209S 2 gang switched
- V1209R 2 gang switched with recessed switches

Double Pole - 13 Amp

- V1207SDP 1 gang switched
- V1207DPP* 1 gang switched with neon
- V1209SDP 2 gang switched
- V1209DPP* 2 gang switched with neon



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



- USB ports deliver up to 2.4A simultaneous charging current across 2 ports
- In compliance with BS 1363: Part 2

Single Pole 13 Amp + 2.4A USB

- V1398 2 gang switched and 2 USB charging ports



V1398

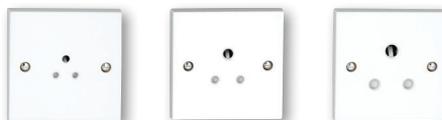
Back Boxes minimum recommended depth
2g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 33mm V1224

Round Pin Socket Outlets

- Earth pin operated safety shutters
- In compliance with BS 546

Unswitched

- V1330* 2A unswitched
- V1331 5A unswitched
- V1332* 15A unswitched



V1330* V1331 V1332

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

Plate Switches

- All plate switches are X-rated and can be used for switching inductive or fluorescent loads without de-rating
- Optional cord outlet (V1247)
- In compliance with BS EN 60669-1

10 Amp

V1202	1 gang 1-way
V1203	1 gang 2-way
V1204	2 gang 2-way
V1205	3 gang 2-way
V1244	4 gang 2-way
V1245	6 gang 2-way
V1246	Intermediate

10 Amp Press

V1249	1 gang 2-way press switch
V1249B*	1 gang 1-way press switch bell symbol

10 Amp 3 Pole Fan Isolator

V1247	3 pole fan isolator
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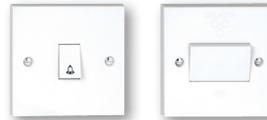
V1202 V1203 V1204



V1205 V1244



V1245 V1246 V1249



V1249B* V1247

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

Architrave Switches

- In compliance with BS EN 60669-1

10 Amp

V1321	1 gang 2-way
V1322*	2 gang 2-way

10 Amp Press

V1323	1 gang 2-way press switch
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Blank

V1326	1 gang
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V1321 V1322 V1323 V1326

Back Boxes minimum recommended depth

1g Flush 27mm DB169 **Surface** 16mm V1324
2g Flush N/A **Surface** 16mm V1325

- 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 page 89 for further information on dimming loads
- Rotary push on/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



V1414



V1415



SP0004WH

Back Boxes minimum recommended depth

1g Flush 35mm DB164 **Dry Lining** 35mm DB2540 **Surface** 33mm V1222

Universal

V1414 1 gang multiway dimming

V1415 2 gang multiway dimming

Dimmer Knob Spares

SP0004WH Dimmer knob (pack of 10) - white

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Engraving available to order
- Optional flex outlet on bottom edge
- 2 earth terminals
- In compliance with BS 1363: Part 4

13 Amp Unswitched

V121013 Unswitched spur

V1210P1 Unswitched spur with neon

13 Amp Switched

V1211 Switched spur

V1212 Switched spur with neon

3 Amp Unswitched

V121003* Unswitched spur - 3A fuse

V1210P3 Unswitched spur with neon - 3A fuse



V121013



V1210P1



V1211



V1212



V121003



V1210P3

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

- Red flagged switch indicator
- Engraving available to order
- Twin brass earth terminals
- In compliance with BS EN 60669-1

20 Amp

V1213	Switch
V1213WH	Switch 'WATER HEATER'
V1214	Switch with neon
V1214WH	Switch with neon 'WATER HEATER'
V1218P	Dual switch with neon



V1213



V1213WH



V1214



V1214WH



V1218P

Back Boxes minimum recommended depth

1g Flush 35mm DB164 **Dry Lining** 35mm DB2540 **Surface** 33mm V1222

50A Double Pole Switches

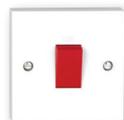
- Twin brass earth terminals
- In compliance with BS EN 60669-1

50 Amp

V1300	Switch with red rocker
V1300P	Switch with red rocker and neon

50 Amp Tall

V1301	Tall switch with red rocker
V1301P	Tall switch with red rocker and neon



V1300



V1300P



V1301



V1301P

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

- Neon versions available
- 2 earth terminals
- In compliance with BS 4177

Cooker Control

- V1302** 45A switch with red rocker
+ 13A switched socket
- V1302P** 45A switch with red rocker
+ 13A switched socket with neon

Cooker Cable Outlet

- V1217** 45A cooker cable outlet



V1302

V1302P

V1217

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 - V1217 minimum recommended depth

1g Flush 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm V1228

Shaver Socket



- Dual voltage outlet 240V/115V
- Neon indicator
- In compliance with BS 61558-2-5

Shaver Socket

- V1305** Dual voltage with neon



V1305

Back Boxes minimum recommended depth

2g Flush 47mm DB168 **Dry Lining** 46mm DB2543

Telephone Outlets



- Screw terminals
- OfTel approved to NS/G/23/L/100005
- Surface mounted outlet dimensions 67 x 67mm, with pattress box

Telephone Outlets - Surface Mounted

- V1350** Single master with pattress box
- V1351** Single secondary with pattress box



V1350



V1351



V1352

Telephone Outlets - Flush Mounted

- V1352** Single master
- V1353** Single secondary
- V1354** RJ11



V1353



V1354

Back Boxes - minimum recommended depth

1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm V1221

TV Outlets



- Suitable for standard coaxial BS 3041 plug

TV Outlets

V1264	Single coaxial isolated
V1265	TV/FM (DAB) diplexer
V1268	Single coaxial non-isolated



V1264 V1265 V1268

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

Blank & Flex Connection Plates

- Dual terminals of live, neutral and earth on 20A/25A flex connection plates
- In compliance with BS 5733

Blank Plates

V1200	1 gang
V1201	2 gang
V1326	1 gang - architrave



V1200 V1201 V1326

Flex Connection Plates

V1215	20A flex outlet plate (central cord outlet with optional bottom entry, three pairs of terminals, cord grip)
V1216	25A flex outlet plate (optional bottom entry, three pairs of terminals, cord grip)
V1217	45A cooker cable outlet



V1215 V1216 V1217

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

Back Boxes - V1217 minimum recommended depth
1g Flush 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm V1228

Data Plates

- Accepts standard 50x25mm modules

Data Plates

V1362	Two Module
V1364	Four Module



V1362 V1364

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

Full range of Euro Modules, see page 30



Vimark Curve

Vimark Curve is a sleek and contemporary range of white moulded accessories, combining style and simplicity to blend seamlessly into the décor of any domestic or commercial building.

Offering a comprehensive range of accessories, Vimark Curve features a smooth, curved profile frontplate design on all products.



(unless otherwise stated)





Product Features

- ▲ CONTEMPORARY DESIGN
- ▲ SMOOTH CURVED PROFILE
- ▲ EASY INSTALLATION
- ▲ FULL RANGE OF ACCESSORIES INCLUDING GRIDSWITCH OPTIONS AVAILABLE
- ▲ IDEAL FOR DOMESTIC AND COMMERCIAL BUILDINGS

Vimark Curve is designed with the installer in mind. The back of the accessories feature bold terminal markings making it easier to identify the terminals. Terminals on sockets are top facing and have large lead-ins with captive and backed out screws to aid cable installation.

To ensure safe installation, the earth bar on the sockets is recessed to prevent accidental contact and all plates incorporate soft edges to avoid damaging cable insulation.

All accessories are supplied with fixing screw caps and neon lenses are discreet to provide for a neat installation.



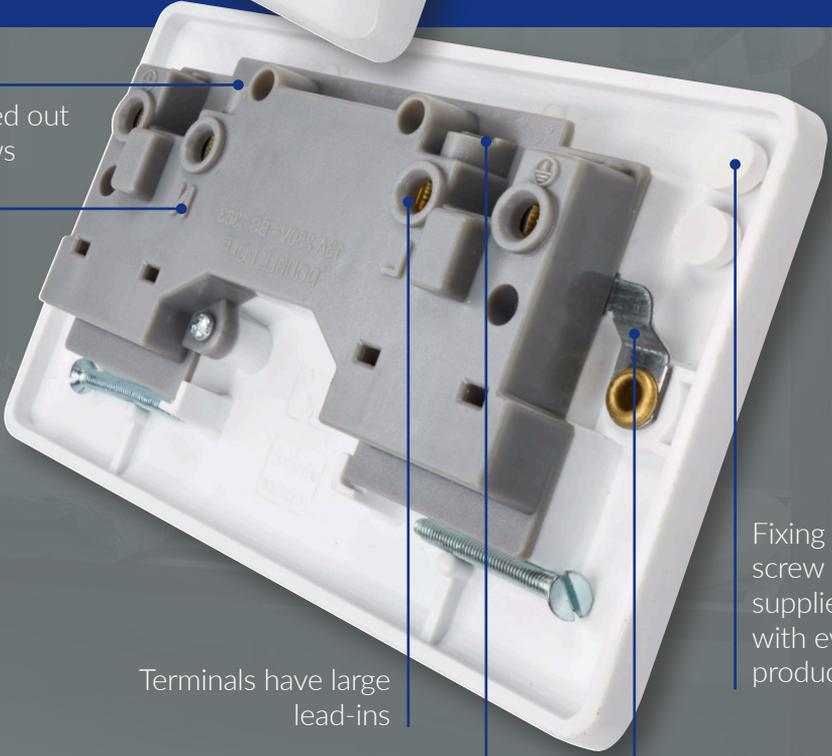
Curved rockers

High quality heat resistant frontplate

Fixing screw caps colour matched to plate

Earth pin operated shutters

High grade urea frontplate with antimicrobial properties



Captive, backed out terminal screws

Bold terminal markings

Terminals have large lead-ins

Fixing screw caps supplied with every product

Recessed earth bar

Top access terminals

Socket Outlets

- 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

- VC1206 1 gang unswitched
- VC1208 2 gang unswitched

Single Pole - 13 Amp

- VC1207S 1 gang switched
- VC1207R* 1 gang switched with recessed switch
- VC1209S 2 gang switched
- VC1209R* 2 gang switched with recessed switches

Double Pole - 13 Amp

- VC1207SDP 1 gang switched
- VC1207DPP* 1 gang switched with neon
- VC1209SDP 2 gang switched
- VC1209DPP* 2 gang switched with neon



VC1206



VC1208



VC1207S



VC1207R



VC1209S



VC1209R



VC1207SDP



VC1207DPP



VC1209SDP



VC1209DPP

Back Boxes minimum recommended depth

- 1g **Flush** 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221
- 2g **Flush** 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm VC1223

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, terminals with large cable lead-ins and clear embossed and white printed markings
- In compliance with BS 1363: Part 2



VC1288

Single Pole 13 Amp + 2 Type A + 1 Type C USB

- VC1288 2 gang switched (2 Type A + 1 Type C USB)

Back Boxes minimum recommended depth

- 2g **Flush** 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 33mm VC1224

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

Round Pin Socket Outlet

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

Unswitched

VC1331 5A unswitched



VC1331

Back Boxes minimum recommended depth

1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221

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

VC1202 1 gang 1-way
VC1203 1 gang 2-way
VC1204 2 gang 2-way
VC1205 3 gang 2-way
VC1244 4 gang 2-way
VC1245 6 gang 2-way
VC1246 Intermediate



VC1202

VC1203

VC1204

VC1205



VC1244

VC1245

VC1246

10 Amp Press

VC1249 1 gang 2-way press switch
VC1249B 1 gang 1-way press switch bell symbol



VC1249

VC1249B

VC1247

10 Amp 3 Pole Fan Isolator

VC1247 3 pole fan isolator

Back Boxes minimum recommended depth

1-3g Flush 16mm DB152 **Dry Lining** 35mm DB2540 **Surface** 16mm VC1220E
4-6g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm VC1223

- 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 348-349 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



Universal

- VC1414 1 gang multiway dimming
- VC1415 2 gang multiway dimming

Dimmer Knob Spares

SP0004WH Dimmer knob (pack of 10) - white

Connection Units

- Lockable, captive fuse carrier for safety isolation
- Neon leads enclosed
- 2 earth terminals
- Flex outlet option available
- In compliance with BS 1363:Part 4

13 Amp Unswitched

- VC1360 Unswitched spur
- VC1361 Unswitched spur with neon
- VC1364 Unswitched spur with bottom flex outlet

13 Amp Switched

- VC1370 Switched spur
- VC1371 Switched spur with neon
- VC1374 Switched spur with bottom flex outlet
- VC1375 Switched spur with neon and bottom flex outlet



Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221

20A Double Pole Switches

- Neon leads enclosed
- 2 earth terminals
- Flex outlet option available
- In compliance with BS EN 60669-1

20 Amp

- VC1390 Switch
- VC1390WH Switch 'WATER HEATER'
- VC1391 Switch with neon
- VC1392 Switch with flex outlet
- VC1392WH Switch with flex outlet 'WATER HEATER'
- VC1393 Switch with neon and flex outlet
- VC1218P Dual switch with neon



Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221

50A Double Pole Switches

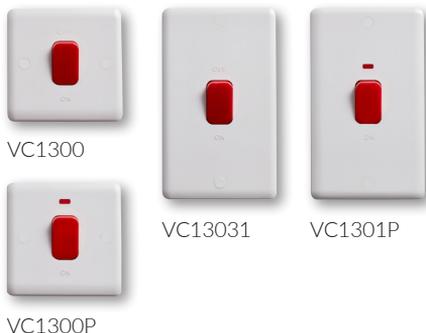
- Neon leads enclosed
- 2 earth terminals
- Flex outlet option available
- In compliance with BS EN 60669-1

50 Amp

- VC1300** Switch with red rocker
VC1300P Switch with red rocker and neon

50 Amp Tall

- VC1301** Tall switch with red rocker
VC1301P Tall switch with red rocker and neon



Back Boxes minimum recommended depth

- 1g Flush** 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm VC1228
2g Flush 47mm DB168 **Dry Lining** 46mm DB2543 **Surface** 45mm VC1229

Cooker Control Units

- 2 earth terminals
- In compliance with BS 4177

Cooker Control

- VC1302** 45A switch with red rocker + 13A switched socket
VC1302P 45A switch with red rocker and neon + 13A switched socket and neon

Cooker Cable Outlet

- VC1217** 45A cooker cable outlet



Back Boxes minimum recommended depth

- 1g Flush** 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm VC1228
2g Flush 47mm DB168 **Dry Lining** 46mm DB2543 **Surface** 45mm VC1229

Back Boxes - VC1217 minimum recommended depth

- 1g Flush** 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm VC1228

Shaver Sockets



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

Shaver Socket

- VC1305** Dual voltage with neon



VC1305

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/10005

Telephone Outlets

- VC1352** Single master
- VC1353** Single secondary
- VC1354** Single RJ11



VC1352 VC1353 VC1354

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221

TV Outlets



- Suitable for standard coaxial BS 3041 plugs

TV Outlets

- VC1264** Single coaxial isolated
- VC1265** TV/FM (DAB) diplexer
- VC1340** TV/FM (DAB) satellite triplexer



VC1264 VC1265 VC1340

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221

Blank & Flex Connection Plates

- Dual terminal of live, neutral and earth on 20A and 25A flex connection plates
- In compliance with BS 5733

Blank Plates

- VC1200** 1 gang
- VC1201** 2 gang



VC1200 VC1201

Flex Connection Plates

- VC1215** 20A flex outlet plate (central cord outlet with optional bottom entry, three pairs of terminals, cord grip)
- VC1216** 25A flex outlet plate (optional bottom entry, three pairs of terminals, cord grip)



VC1215 VC1216 VC1217

Back Boxes minimum recommended depth
1g Flush 25mm DB162 **Dry Lining** 35mm DB2540 **Surface** 25mm VC1221
2g Flush 25mm DB163 **Dry Lining** 35mm DB2541 **Surface** 25mm VC1223

Cooker Cable Outlet

- VC1217** 45A cooker cable outlet

Back Boxes - VC1217 minimum recommended depth
1g Flush 47mm DB167 **Dry Lining** 46mm DB2542 **Surface** 45mm VC1228



Data Plates

- Accepts standard 50x25mm modules

Data Plates

VC1421	One module
VC1422	Two module
VC1424	Four module



VC1421



VC1422



VC1424

Back Boxes minimum recommended depth depending on modules and cable sizes
1g Flush 35mm DB164 **Dry Lining** 35mm DB2540 **Surface** 33mm VC1222
2g Flush 35mm DB165 **Dry Lining** 35mm DB2541 **Surface** 33mm VC1224

Full range of Euro Modules, see page 30



Metalclad

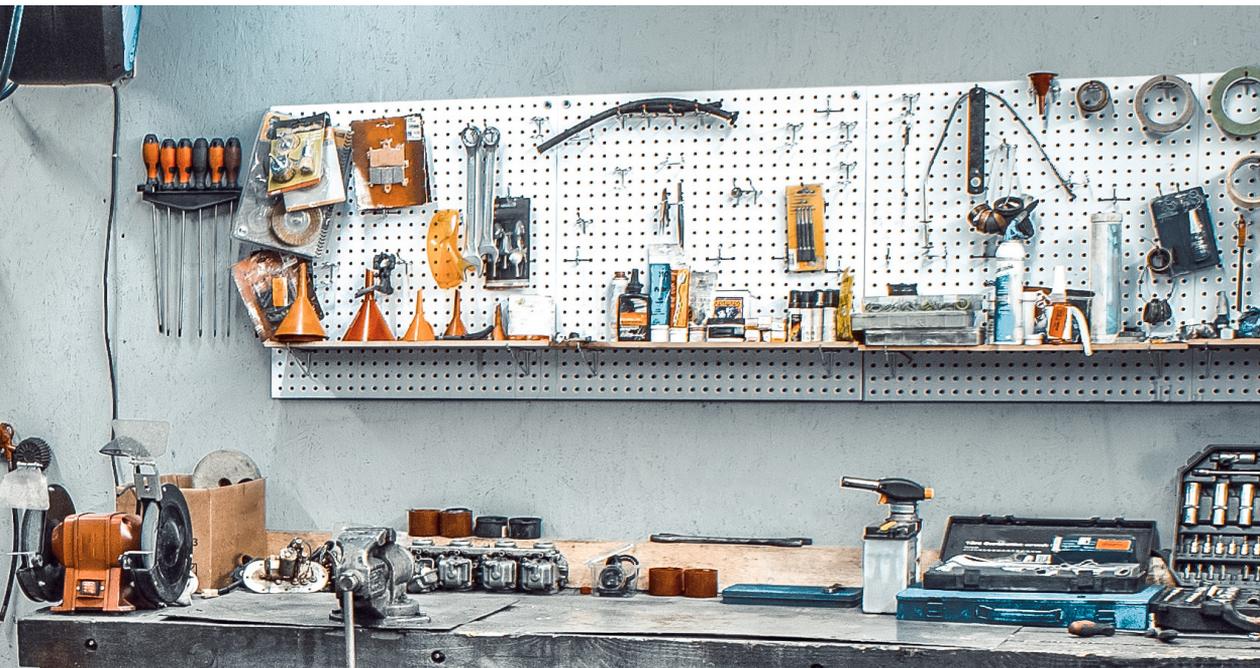
Metalclad offers a tough and impact resistant range of accessories with frontplates that fit flush to the back box, gently curving rockers and discrete neon indicators.

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.



(unless otherwise stated)





Product Features

- ▲ IMPACT RESISTANCE
- ▲ DURABLE FINISH
- ▲ EASY INSTALLATION
- ▲ SUITABLE IN COMMERCIAL & LIGHT INDUSTRIAL ENVIRONMENTS.

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.

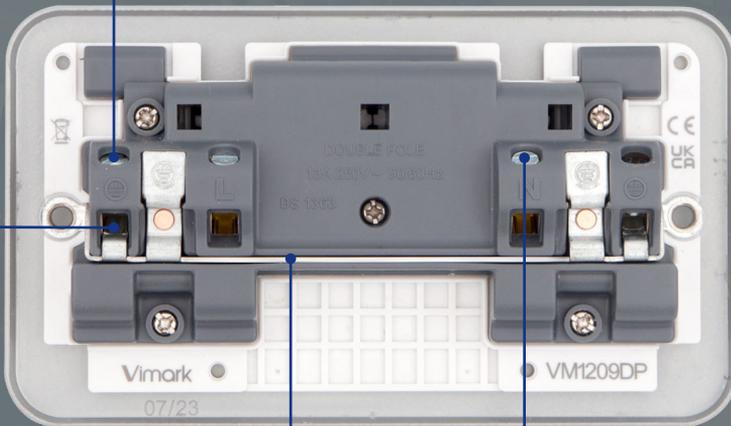


Durable finish with protective coating

Curved rockers

Flush fitting frontplate

Earth pin operated shutters



Top access terminals

Terminals have large lead-ins

Recessed earth bar

Captive, backed out terminal screws

Socket Outlets

- Complete with surface mounting box
- Selected products available with and without side knockouts in mounting box
- Captive and backed out, top facing terminals with large cable lead-ins
- Recessed earth bar



VM1207DP



VM1209DP

Single Pole - 13 Amp

- VM1207SP 1 gang switched
- VM1209SP 2 gang switched

Knockouts

- 1g Sides 5 Rear 1
- 2g Sides 8 Rear 1

Double Pole - 13 Amp

- VM1207DP 1 gang switched
- VM1209DP 2 gang switched

USB Charging Socket Outlets



- Complete with surface mounting box
- USB ports deliver up to 4.8A simultaneous charging current across 2 ports (1 x Type C USB + 1 x Type A USB)
- Uses auto IC technology to detect connected devices and provide optimised high-speed charging
- Captive and backed out, top facing terminals with large cable lead-ins
- In compliance with BS 1363: Part 2



VM1289

Knockouts

- 2g Sides 8 Rear 1

Single Pole - 13 Amp + 4.0A USB

- VM1289 2 gang switched and 3 USB charging ports (1 Type A + 1 Type C)

*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
- Captive and backed out, top facing terminals with large cable lead-ins and clear embossed markings
- Only one size 4mm screwdriver needed
- In compliance with BS EN 60669-1



VM1203



VM1204



VM1205

Knockouts

1g Sides 5 Rear 1

2g Sides 8 Rear 1

10 Amp

VM1203 1 gang 2-way

VM1204 2 gang 2-way

VM1205 3 gang 2-way

Connection Units

- Complete with surface mounting box
- Switched with concave rocker
- Terminals have clear embossed markings
- Captive and backed out, top facing terminals with large cable lead-ins
- Lockable, captive fuse carrier for safety isolation
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS 1363-4



VM1360



VM1631



VM1362



VM1370



VM1371



VM1372



VM1373

Knockouts

1g Sides 5 Rear 1

13 Amp Unswitched

VM1360 Unswitched spur

VM1361 Unswitched spur with neon

VM1362 Unswitched spur with flex outlet

13 Amp Switched

VM1370 Switched spur

VM1371 Switched spur with neon

VM1372 Switched spur with flex outlet

VM1373 Switched spur with neon and flex outlet

20A Double Pole Switches

- Complete with surface mounting box
- Terminals have clear embossed markings
- Red flagged switch indicator
- Captive and backed out colour coded terminals with large cable lead-ins
- 2 earth terminals
- Neon leads enclosed
- In compliance with BS EN 60669-1



VM1391

Knockouts
1g Sides 5 Rear 1

20 Amp

VM1391 Switch with neon

50A Double Pole Switches

- Complete with surface mounting box
- Terminals have clear embossed markings
- Colour coded terminals with large cable lead-ins
- Red flagged switch indicator
- Neon leads enclosed
- 2 earth terminals
- In compliance with BS EN 60669-1



VM1300N

Knockouts
1g Sides 5 Rear 1

50 Amp

VM1300N Switch with red rocker and neon

Blank Plates

- In compliance with BS 5733

20 Amp

VM1200 1 gang
VM1201 2 gang

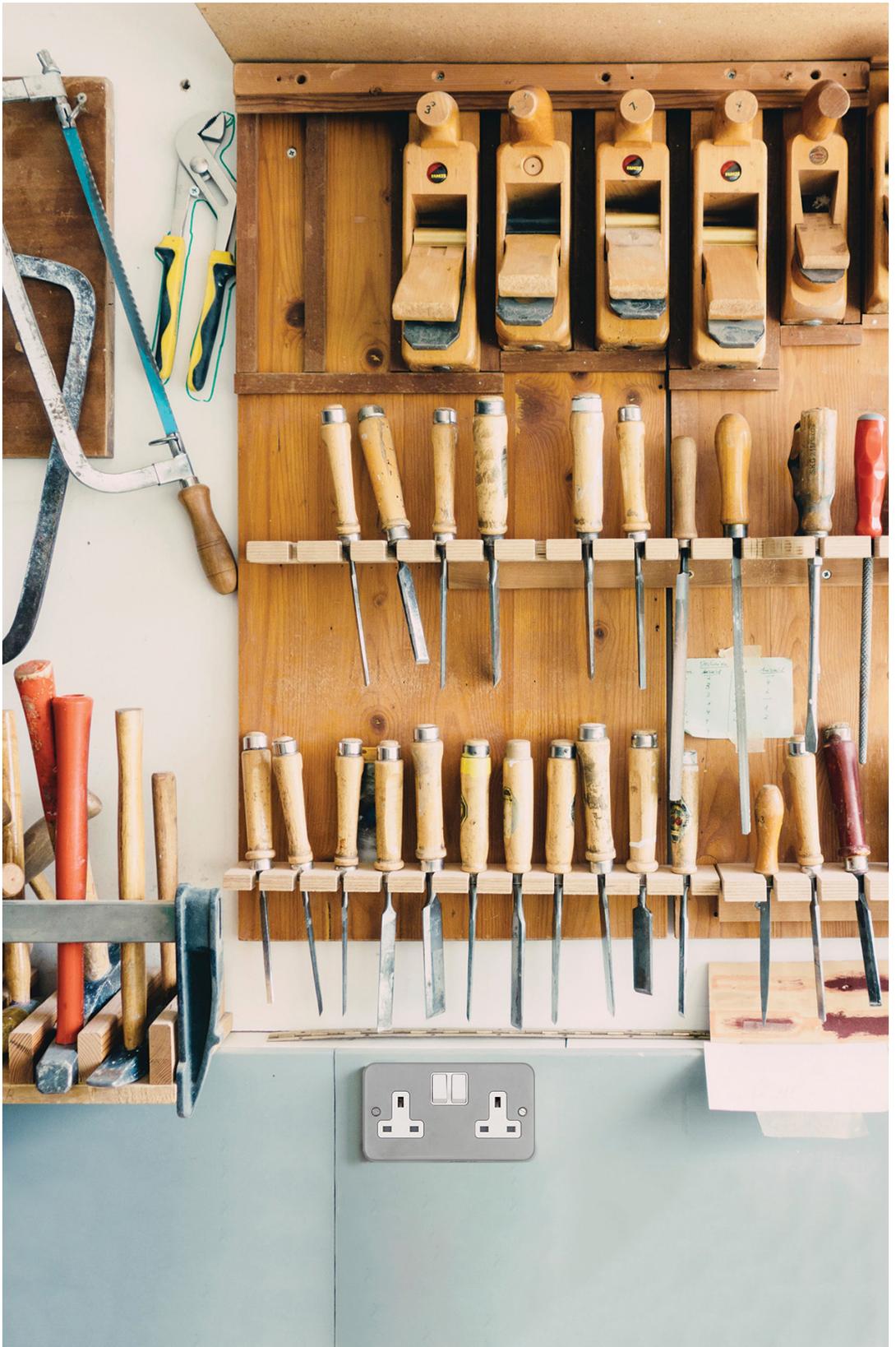


VM1200



VM1201

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



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 data plates.

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



(unless otherwise stated)

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°
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 Coaxial male
S1436 Coaxial female "return"
S1442 Coaxial 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 Vimark and Curve wiring accessory ranges, with sizes ranging from 1 gang up to 12 gang, providing a versatile solution for the most demanding projects.

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



(unless otherwise stated)





Product Features

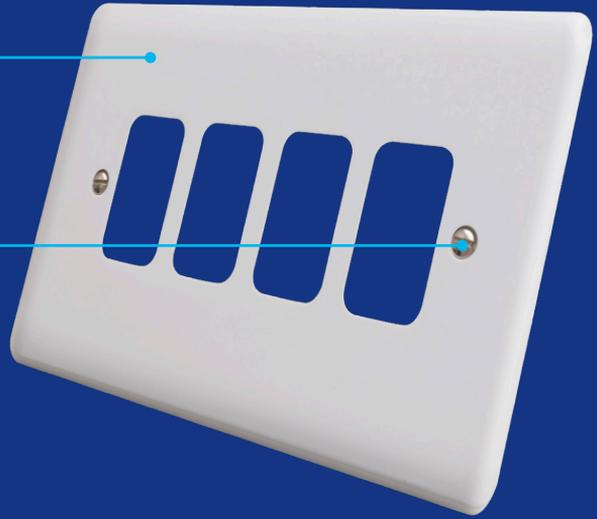
- ▲ PACKED IN ITS OWN PROTECTIVE BAG
- ▲ GRID FRAMES ARE SUPPLIED SEPARATELY
- ▲ FIXING SCREWS IN BAGS, ATTACHED TO REAR OF PLATES TO PREVENT SCRATCHING
- ▲ A COMPREHENSIVE RANGE OF FRONT LOADING SNAP-IN MODULES

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

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 removing the mounting grid frame.

Frontplates from
1 gang to 12 gang sizes

Matching screws on
decorative frontplates

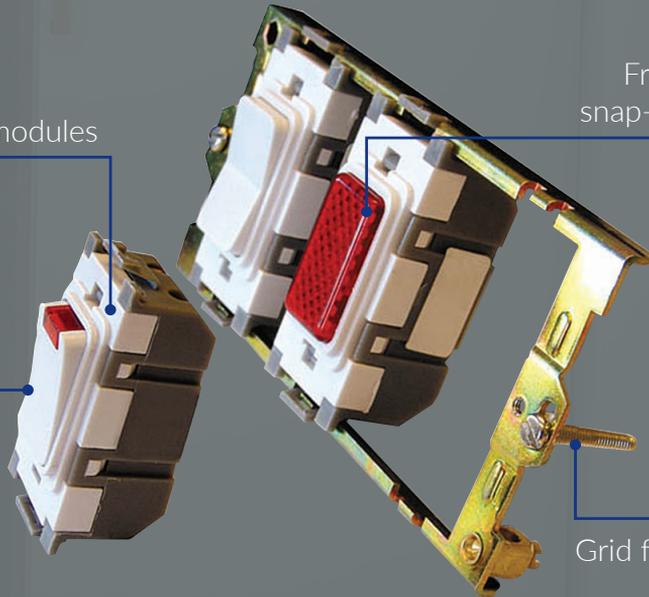


Extensive range of modules

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



Vimark Gridplates

- 1 gang to 12 gang sizes
- Grid frames supplied separately
- In compliance with BS 5733

Vimark

G2601	1 gang
G2602	2 gang
G2603	3 gang
G2604	4 gang
G2605	6 gang
G2606	8 gang
G2607*	9 gang
G2608*	12 gang



G2601

G2602

G2603



G2605



G2607

Vimark Curve Gridplates

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

Vimark Curve

G2701	1 gang
G2702	2 gang
G2703	3 gang
G2704	4 gang
G2705	6 gang
G2706	8 gang



G2701



G2702



G2703



G2704



G2705



G2706

Back Boxes

A wide range of back boxes are available. Please see the Selection Chart on pages 84-87. We recommend using the deepest back box available to give the most amount of wiring space. Boxes for 6g and up to 24g have both 20mm and 25mm knockouts.

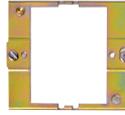
*Special order product, minimum order quantity and lead time applies

Frames

- 1, 2, 3, 4 and 6 modules
- 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



G3401



G3403



G3402



G3404

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



G3501



G3502



G3503



G3503RD

10 Amp - White

G3501	1-way
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

*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



G3511



G3512



G3525



G3516



G3517



G3512RD

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 - 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

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



G3514



G3515



G3519



G3520



G3514RD

20 Amp - White

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

20 Amp - Red Rocker

G3514RD	Double pole - white
G3514RDB*	Double pole - black

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



G3551



G3553



G3555



G3556



G3557



G3560

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



G3561



G3563



G3564

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 times and minimum order quantities.

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

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



G3571



G3572



G3573



G3574



G3575



G3576



G3577



G3578



G3579



G3580



G3581



G3582



G3583



G3584



G3585



G3586



G3587

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



G3532



G3533



G3534



G3536



G3537



G3538



G3534RD

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 - Red

- G3534RD* Double pole

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 89 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



SP0004WH

Dimmer Modules

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

White

- G3526 Multiway dimming

Dimmer Knob Spares

- SP0004WH Dimmer knob (pack of 10) - white

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

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

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

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.







Product Features

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

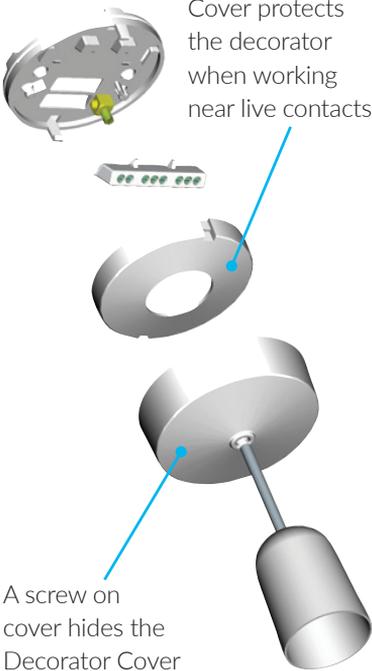
Pendants and batten are offered with or without a unique patented clip-on “Decorator Cover” that shields live wires and terminals in the ceiling rose, making it safe for quick and easy decorating before the outer cover is screwed into position.

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 batten are supplied complete with a “Decorator Cover” as standard.



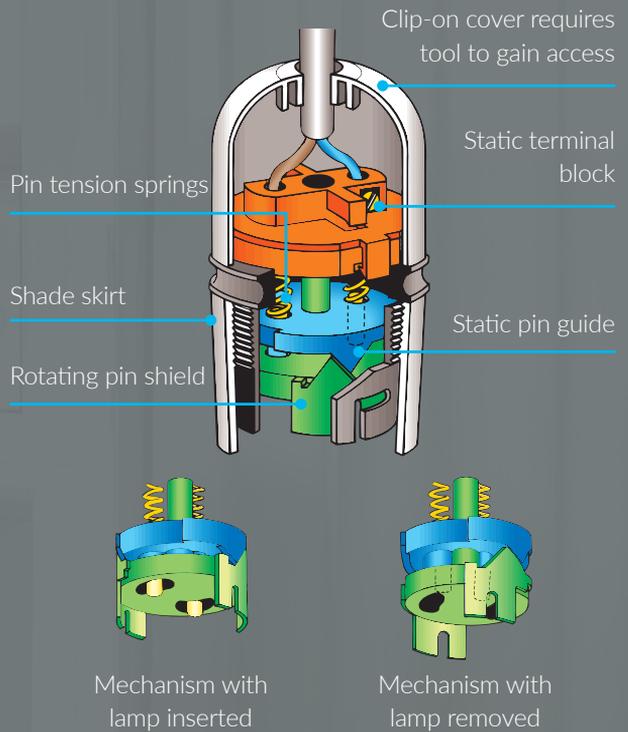
Decorator Cover

The Decorator Cover protects the decorator when working near live contacts



A screw on cover hides the Decorator Cover

Safety Lamp Holder



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



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



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



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



S1066T2



S96HOT2



S97HOT2

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



Boxes

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



Vimark 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

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



V1220E V1221 V1223



V1225 V1228



V1229

Vimark Curve Pattress Boxes

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

Vimark Curve Pattress Boxes

VC1220E	1 gang 16mm deep with earth terminal
VC1221	1 gang 25mm deep
VC1223	2 gang 25mm deep
VC1222	1 gang 33mm deep
VC1224	2 gang 33mm deep
VC1228	1 gang 45mm deep
VC1229	2 gang 45mm deep



VC1220E VC1221 VC1223



VC1222 VC1224



VC1228 VC1229

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

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 34mm deep, 62mm diameter
- DB2545 1+1 gang 35mm deep
- DB2546 2+1 gang 35mm deep

- Recommended for Ultra Flatplate and Ultra Screwless accessories

Dry Lining Boxes - Flush Fitting

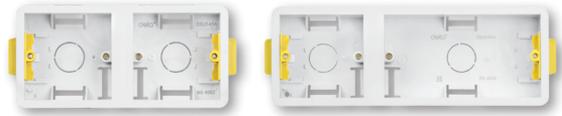
- DB2547[†] 1 gang 35mm deep
- DB2548[†] 2 gang 35mm deep



DB2540 DB2541



DB2543 DB2544



DB2545 DB2546



DB2547[†] DB2548[†]

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.

[†]Unique Product Feature

Unique lipless design

Allows flush fitting of Wiring Accessories



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

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



DB152 DB162 DB163



DB164 DB165 DB169



DB166 DB167



DB170

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

Code	DB171	DB172	DB173	DB174*
20mm Knockouts	4	5	7	8
25mm Knockouts	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



Ventilation

Ventilation includes an extensive range of 4" and 6" extractor fans and accessories that are designed to seamlessly blend into the environment and are suitable for various applications, including kitchens, bathrooms and utility rooms.

Slim profile fans are designed to be highly energy efficient and quiet to meet ventilation requirements. User adjustable timer and humidistat options providing an extra level of automation and effectiveness.

Product Features

Ventilation fans meet the latest requirements for new and existing Building Regulations, including the requirements that cover minimum airflow, noise levels and controls.

Quiet and efficient, Vimark's fans adhere to noise level requirements as set out in Building Regulations Part F. Likewise, the fans operate below 0.5 watts per litre for intermittent extract ventilation systems, ensuring they meet minimum energy efficiency guidelines set within the Building Regulations Approved Document Part L1.

Vimark's fans are suitable for both wall or ceiling mounting, with installation designed to be Quick and easy.





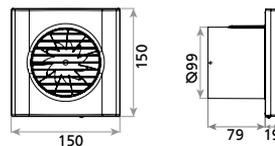
Performance Data

	Axial Fans 100mm (4")	Axial Fans 150mm (6")	Flat Fascia Axial Fans 100mm (4")	Low Voltage Axial Fans 100mm (4")	Shower Fan 100mm (4")
Extraction Rate	25l/s (90m ³ /hr)	71l/s (255m ³ /hr)	26l/s (92m ³ /hr)	24l/s (85m ³ /hr)	30l/s (107m ³ /hr)
Specific Fan Power	0.32W/l/s	0.40W/l/s	0.49W/l/s	0.34W/l/s	0.47W/l/s
Sound Pressure Level (at 3m)	29dB	35dB	34dB	28dB	33dB
Power Consumption	8W	28W	13W	8W	14W
Supply Voltage (At 50Hz)	240Vac	240Vac	240Vac	240Vac to transformer 12Vac to fan	240Vac
Insulation Class					
IP Rating	IP24	IP24	IP24	IP24	IPX4
Maximum Running Temperature	40°C	40°C	40°C	40°C	40°C
Thermal Protection	Thermal Fuse				

Axial Fans 100mm (4")



- Extraction rate 25 litres/second or 90m³/hr
- Specific fan power 0.32 W/l/s
- Noise Level 29dB @ 3m
- Overrun time delay, user settable between 2 and 30 mins
- Humidistat adjustable between 60-90% RH
- In compliance with BS EN 60335-2-80



100mm (4")

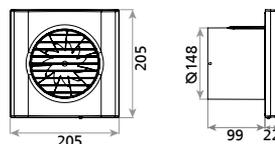
4600

- 4600 Standard
- 4601 Timer
- 4603 Timer and humidistat

Axial Fans 150mm (6")



- Extraction rate 71 litres/second or 255m³/hr
- Specific fan power 0.4 W/l/s
- Noise Level 35dB @ 3m
- Overrun time delay, user settable between 2 and 30 mins
- Humidistat adjustable between 60-90% RH
- In compliance with BS EN 60335-2-80



150mm (6")

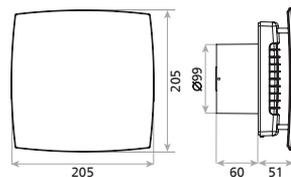
4660

- 4660 Standard
- 4661 Timer
- 4666* Humidistat and shutter

Flat Fascia Axial Fans 100mm (4")



- Extraction rate 26 litres/second or 92m³/hr
- Specific fan power 0.49 W/l/s
- Noise Level 34dB @ 3m
- Overrun time delay, adjustable between 2 and 30 mins
- In compliance with BS EN 60335-2-80



100mm (4")

4630

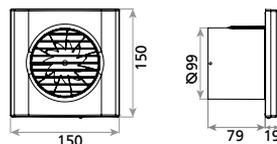
- 4630 Standard
- 4631 Timer

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

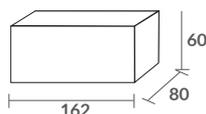
Low Voltage Axial Fans 100mm (4")



- Extraction rate 24 litres/second or 85m³/hr
- Specific fan power 0.34 W/l/s
- Noise Level 28dB @ 3m
- Overrun time delay, adjustable between 2 and 30 mins
- Humidistat user settable between 60-90% RH
- In compliance with BS EN 60335-2-80



Transformer dimensions



100mm (4")

- 4616** 12V low voltage fan and timer
- 4617** 12V low voltage fan with timer and humidistat

4616

Shower Fans 100mm (4")

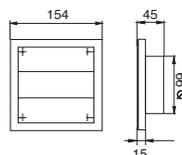


- Extraction rate up to 30 litres/second or 107m³/hr
- Specific fan power 0.47 W/l/s
- Noise Level 33dB @ 3m
- Over-run time delay adjustable between 2 and 30 minutes (timer versions)
- 3m (extended) flexible ducting
- Internal/external fixed louvres grilles
- In compliance with BS EN 60335-2-80



4640

External grille



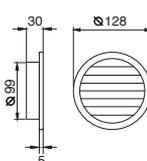
100mm (4")

- 4640** Shower fan kit and timer
- 4641** Shower fan kit with timer and LED light - white and chrome cover supplied

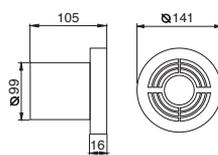


4641

Internal grille



Internal grille with light



Flexible Ducting

- PVC reinforced with spirally-wound steel wire

100mm (4") and 150mm (6")

- 4820** 100mm (4") 3m length
- 4827** 100mm (4") 6m length
- 4828** 100mm (4") 10m length
- 4880** 150mm (6") 3m length
- 4887** 150mm (6") 6m length



4820

4880

Wall Fixing Kits

- For through-wall applications, includes gravity grille to prevent backdraughts
- Rigid ducting extendable from 20cm to 50cm

100mm (4") and 150mm (6")

4824 100mm (4") wall fixing kit
 4884 150mm (6") wall fixing kit



4824 4884

External Grilles

- Gravity grilles - designed to prevent backdraughts. For unexposed horizontal mounting only
- Fixed grilles - may be installed in horizontal or vertical planes and in exposed locations

White/Brown

4821WH/4821BR 100mm (4") gravity grille
 4881WH/4881BR 150mm (6") gravity grille

 4822WH/4822BR 100mm (4") fixed grille
 4882WH/4882BR 150mm (6") fixed grille



4821WH 4881WH 4882BR

External Hoods

- Suitable for decoration of supply and exhaust vents used in public, residential and industrial ventilation systems
- Provides additional protection against wind and rain as well as birds and rodents
- Two-element structure for easy maintenance

White/Brown

4831WH/4831BR 100mm (4") external hood
 4891WH/4891BR 150mm (6") external hood



4831WH 4891BR

Accessories

Accessories

4845 100mm (4") back draught shutter
 4846 100mm-150mm (4"-6") quick lock clamp
 4849 Aluminium+PET Tape for Flexi Ducts - 10m



4845 4846 4849

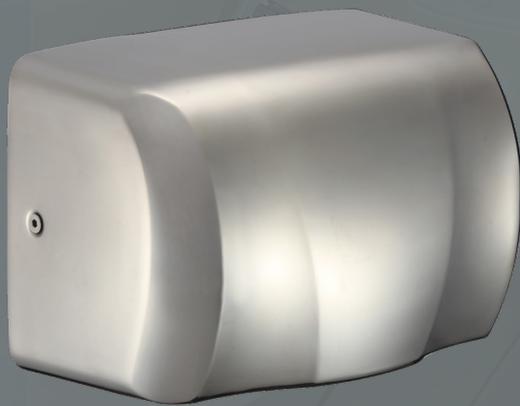




Hand Dryers

Improve hygiene and reduce energy consumption with Vimark **Hand Dryers**. High speeds ensure faster hand drying than conventional models.





2.3kW Compact Hand Dryer

- High-quality, low maintenance hand dryer for commercial applications, e.g. offices and shops
- Constructed with sound and vibration reducing blocks to reduce noise level
- Automatic shut-off after 60 seconds when in use
- Self-resetting overheat thermostat provides protection from overheating if hand dryer becomes blocked



2.3kW
AUTOMATIC
20 SECONDS
DRYING TIME

Automatic - White

1001WH 2.3kW Compact automatic

1001WH

1.1kW Low Energy Hand Dryer

- Available in white or silver
- For use in schools, kitchens, restaurants and places where high levels of hygiene are required
- A high-speed, low power motor dries hands quickly to reduce energy consumption
- Changeable heat settings to suit environment
- Standby / Power-On LED indicator
- Provides 10 to 15 seconds drying time



1.1kW
AUTOMATIC
10-15 SECONDS
DRYING TIME

Automatic - White/Silver

1016WH 1.1kW high-speed - white
1016SL 1.1kW high-speed - silver

1016WH



1016SL

1.8kW Heavy Duty Hand Dryer

- Available in white or polished chrome
- For use in schools, kitchens, restaurants and places where high levels of hygiene are required
- Standby / Power-On LED indicator
- Manufactured from grade 304 stainless steel
- Durable, vandal-resistant casing with tamper proof fixings included
- A high-speed, low power motor dries hands quickly to reduce energy consumption
- Adjustable heat settings to suit environment



1.8kW
AUTOMATIC
10-15 SECONDS
DRYING TIME

Automatic - White/Chrome

1019WH 1.8kW high-speed heavy duty - white
1019CH 1.8kW high-speed heavy duty - chrome

1019WH



1019CH

1.0kW Compact High-Speed HEPA Hand Dryer

- Available in white or stainless steel
- Tough and compact model ideal for use in washrooms with limited wall space
- Manufactured from 1.2mm grade 304 stainless steel to protect against corrosion and vandalism
- Features a High-Efficiency Particulate Air (HEPA) filter for enhanced hygiene
- Advanced water-blasting technology delivering high-speed airflow

Automatic - White/Stainless Steel

- 1011WH** 1.0kW compact HEPA - white
1011SS 1.0kW compact HEPA - stainless steel

Height	Width	Depth
183mm	275mm	162mm

1011WH



1011SS

Replacement HEPA Filter

- SP1011** Replacement HEPA Filter



SP1011

1.5kW High-Speed Hand Dryer

- Available in white or stainless steel
- Robust and high-quality, ideal for medium usage commercial settings e.g. offices, shops, etc.
- Manufactured from 1.2mm grade 304 stainless steel to protect against corrosion and vandalism
- Advanced water-blasting technology delivering high-speed airflow
- Thermometer detects ambient temperature and auto-adjusts airflow temperature to reduce running costs
- Automatic shut off after 60 seconds to avoid wasted energy
- Self-resetting overheat thermostat provides protection from overheating if hand dryer becomes blocked

Automatic - White/Stainless Steel

- 1012WH** 1.5kW high-speed - white
1012SS 1.5kW high-speed - stainless steel



1012SS

PIR Detectors

Standalone **PIR detectors** designed for automatic control of lighting. Suitable for surface and flush mounting, and indoor and outdoor applications.



2 in 1 Universal PIR Detector



- Indoor/outdoor – suitable for surface or flush ceiling mounting
- Adjustable detection distance: 2m to 20m
- Ceiling mount height 2.2m - 4.0m approx.
- Maximum load 1000W (LED) / 2000W (Incandescent)
- Adjustable lux levels (< 10 to 2000 lux) and adjustable time setting (10sec ± 3sec, 15min ± 2min)



L2352

2 in 1 Universal PIR Detector

L2352 2 in 1 Universal PIR Detector

3 in 1 Outdoor PIR Detector



- Outdoor multi purpose PIR detector suitable for wall, ceiling or corner mounting
- Bidirectional detection angle up to 12m
- Mounting height - Walls (1.8m - 2.5m approx.), Ceiling (2.2m - 4.0m approx.)
- Maximum load 1000W (LED) / 2000W (Incandescent)
- Adjustable lux levels (< 10 to 2000 lux) and adjustable time setting (10sec ± 3sec, 15min ± 2min)



L2353BK



L2353WH

3 in 1 Universal PIR Detector

L2353BK 3 in 1 Universal PIR Detector - Black
L2353WH 3 in 1 Universal PIR Detector - White

Indoor Flush Mounted PIR Detector

- Indoor – suitable for flush ceiling mounting
- Detection distance up to 8m
- Ceiling mounting height 2.2m - 4.0m approx.
- Maximum load 300W (LED) / 1200W (Incandescent)
- Adjustable lux levels (< 10 to 2000 lux) and adjustable time setting (10sec ± 3sec, 15min ± 2min)
- Time delay and lux level adjustment controls are accessible via a concealed lid on the front of the fitting



L2354

Indoor Flush Mounted PIR Detector

L2354 Indoor Flush Mounted PIR Detector

Indoor Surface Mounter PIR Detector

- Indoor – suitable for surface ceiling mounting
- Detection distance up to 6m
- Ceiling mounting height 2.2m - 4.0m approx.
- Maximum load 1000W (LED) / 2000W (Incandescent)
- Adjustable lux levels (< 10 to 2000 lux) and adjustable time setting (10sec ± 3sec, 15min ± 2min)



L2355

Indoor Surface Mounter PIR Detector

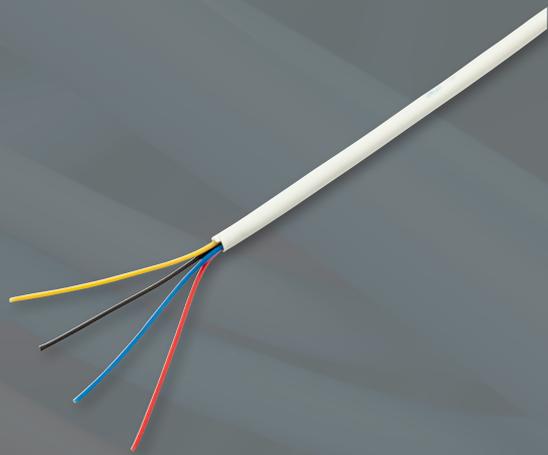
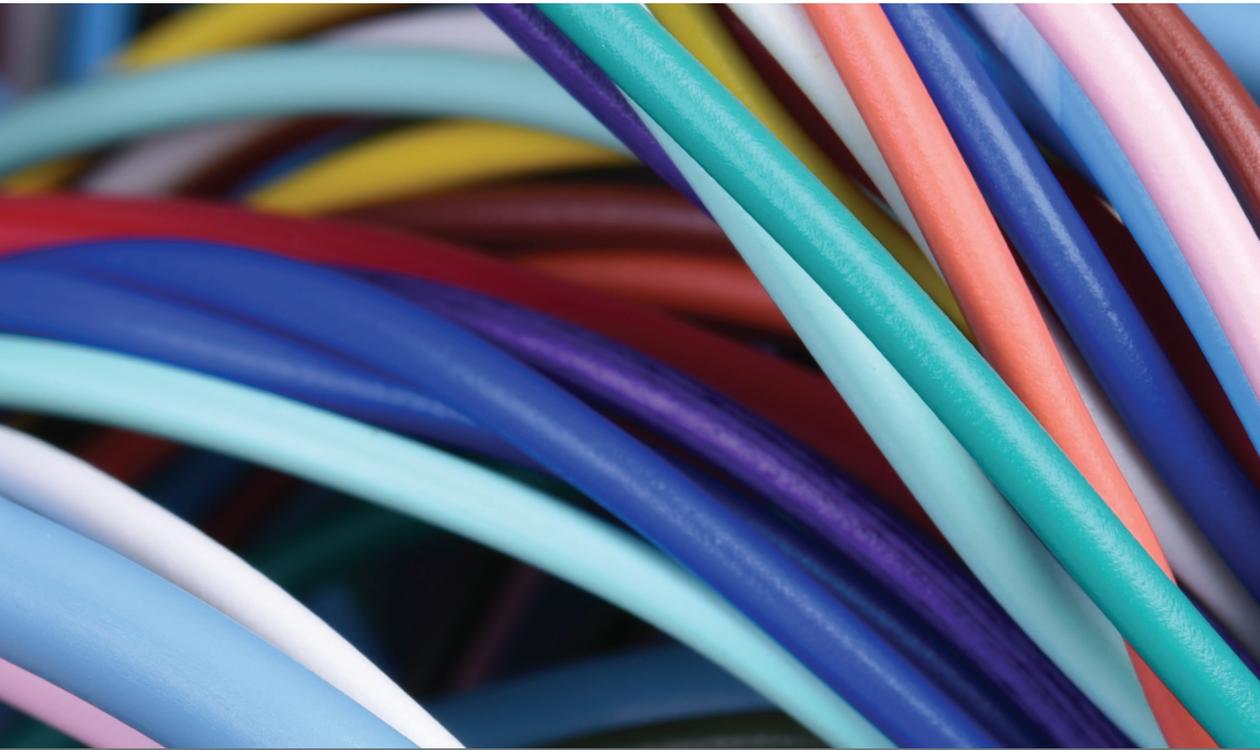
L2355 Indoor Surface Mounter PIR Detector



Cables

A wide range of low voltage **cables**, including TV, alarm, telephone and data cables.

Coaxial and satellite cable includes shotgun cables and a range of CT100 cables approved to the CAI certification scheme benchmark.



Satellite Cables

- 100m and 250m reels
- High performance, low loss
- CAI certified
- Black sheath as standard, RG6 also in white
- For digital/satellite connection and high-speed data transfer



532BK

532WH

534BK

RG6 Satellite Cable - 100m

- 532BK** RG6 75Ω 1/1.0mm conductor low-loss semi-air-spaced satellite down lead
- 532WH** RG6 75Ω 1/1.0mm conductor low-loss semi-air-spaced satellite down lead



534B/250

536BK

Satellite Cable

- 534BK** DT100 coaxial cable, for digital/satellite connection and high-speed data transfer (100m)
- 534B/250** DT100 coaxial cable, for digital/satellite connection and high-speed data transfer (250m)

Satellite Cable - Shotgun

- 536BK** DT100 shotgun coaxial cable (100m)
- 536B/250** DT100 shotgun coaxial cable (250m)

CAI Approved Satellite Cable

- 535BK** CAI Approved CT100 coaxial cable (100m)
- 535B/250** CAI Approved CT100 coaxial cable (250m)

CCTV Coaxial Cables

- TV down lead and CCTV applications
- 100m reel
- Low-loss



RG59 CCTV - 100m

- 533BK** RG59 75Ω CCTV coaxial cable
- 538BK** RG59 75Ω CCTV coaxial + 2 core power cable

533BK

Bell Wire

- 100m reels
- Bell Wire incorporates pit stripe



Bell Wire - 100m

- 218** Bell wire

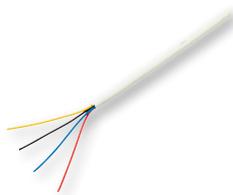
218

Alarm Cables

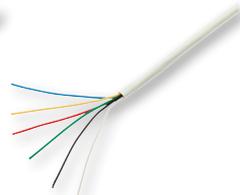
- 100m reels
- White sheath

Alarm Cable - 100m

- 630WH** 4 core alarm cable,
colour coded red, blue, yellow, black
- 631WH** 6 core alarm cable,
colour coded red, blue, yellow, black,
white, green
- 632WH** 8 core alarm cable,
colour coded red, blue, yellow, black,
white, green, orange, brown



630WH



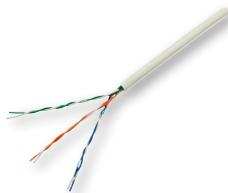
631WH

CW1308 Telephone Cables

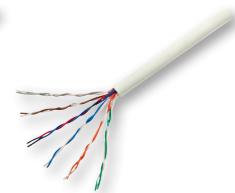
- 100m reels
- Complies with CW1308
- White sheath

CW1308 Telephone Cable - 100m

- 19023** 3 pair
- 19024** 4 pair
- 19026** 6 pair



19023



19026

Data Cables

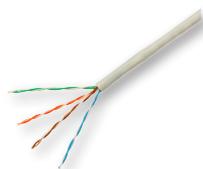
- 305m pull box
- In compliance with TIA/EIA 568-B
- Copper conductor
- Grey sheath

Cat 5e - 305m

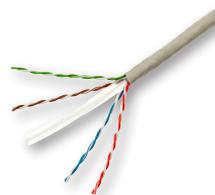
- 542** Cat 5e solid unshielded twisted pair

Cat 6 - 305m

- 550** Cat 6 solid unshielded twisted pair



542



550

Data Cable Low Smoke Zero Halogen

- 305m pull box
- In compliance with TIA/EIA 568-B
- Copper conductor
- Purple sheath

Cat 5e - 305m

- 544** Cat 5e solid unshielded twisted pair - LSZH

Cat 6 - 305m

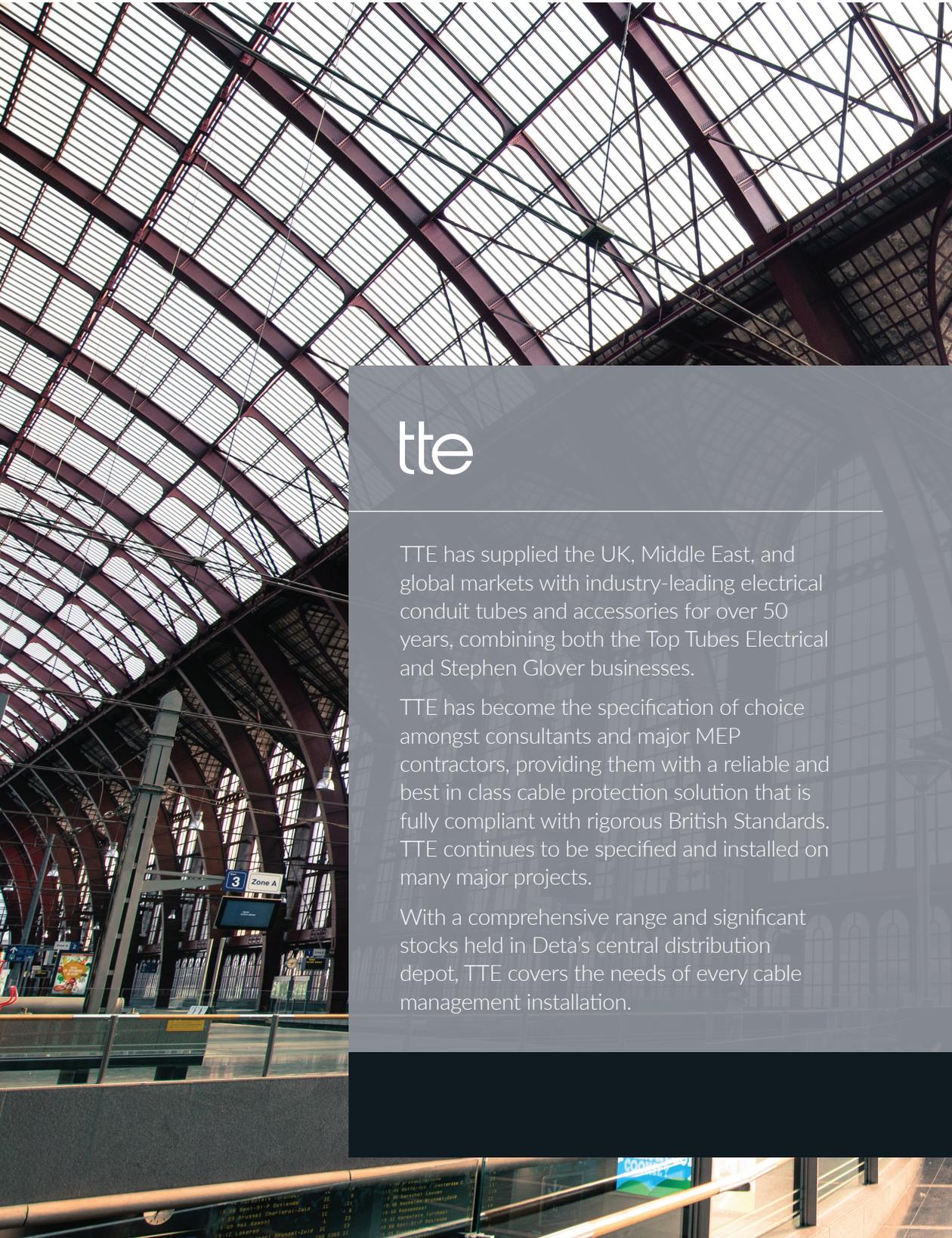
- 551** Cat 6 solid unshielded twisted pair - LSZH



544



551

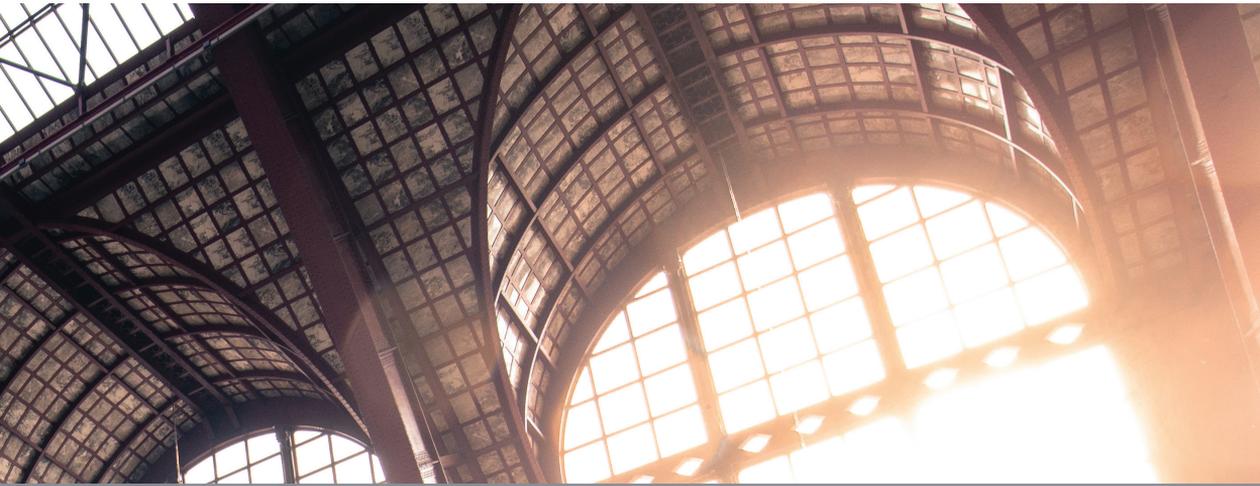


tte

TTE has supplied the UK, Middle East, and global markets with industry-leading electrical conduit tubes and accessories for over 50 years, combining both the Top Tubes Electrical and Stephen Glover businesses.

TTE has become the specification of choice amongst consultants and major MEP contractors, providing them with a reliable and best in class cable protection solution that is fully compliant with rigorous British Standards. TTE continues to be specified and installed on many major projects.

With a comprehensive range and significant stocks held in Deta's central distribution depot, TTE covers the needs of every cable management installation.



Class 4 Galvanised Conduit Tube

TTE steel conduit is suitable for use in demanding environments. It exceeds the maximum “very heavy” strength classification and can be easily formed on site.

Conduits are hot dipped galvanised inside and out, offering heavy protection and Class 4 compliance. Galvanisation is undertaken in a purpose-built plant to provide an even coating, with a final superheated steam blast employed to and employs a final superheated steam blast to ensure the bore is smooth and defect-free, minimising cable damage during installation.

Material	Manufactured from Grade Q195 Steel
Manufacturing Process	Tubes are roll formed, and electrical resistance welded
Resistance against corrosion	Hot dipped galvanised to BS EN 61386 Class 4 using a specialist superheated steam blast to ensure the bore is smooth and clear of defects that might damage cables during installation
Resistance to compression	Tested to very heavy grade - Classification 5
Resistance to impact	Tested to very heavy grade - Classification 5
Tensile strength	Tested to very heavy grade - Classification 5
Standard BS 4568 - 1	Steel conduit and fittings with metric threads
Standard BS EN 61386 - 21	Conduit systems for cable management - requirements for rigid conduit systems
Storage	Galvanised conduit should be stored in dry conditions to prevent wet storage stain (Should this occur, it can be removed and is unlikely to affect resistance to corrosion)

BS EN 61386 Class 4 Conduit

- Hot dipped galvanised inside and out to Class 4
- Ink Jet marked
- Threaded at both ends
- Each length supplied with one coupler and one plastic thread protector cap
- Available in 20mm and 25mm diameter and 3.00m and 3.75m lengths
- In compliance with BS EN 61386



DT20300

Catalogue Code	Product Diameter	Length	Lengths per master bundle	Metres per master bundle	Lengths per small bundle
DT20300	20mm	3.00m	400	1200m	8
DT20375		3.75m		1500m	
DT25300	25mm	3.00m	320	960m	
DT25375		3.75m		1200m	

BS 4568 and BS EN 61386 Class 4 Conduit

- Hot dipped galvanised inside and out to Class 4
- Hard stamped during manufacturing process
- Threaded at both ends
- Each length supplied with one coupler and one plastic thread protector cap
- Available in 20mm, 25mm and 32mm diameter in 3.75m lengths
- In compliance with BS 4568 and BS EN 61386



DTS25375*

Catalogue Code	Product Diameter	Length	Lengths per master bundle	Metres per master bundle	Lengths per small bundle
DTS20375*	20mm	3.75m	400	1500m	8
DTS25375*	25mm		320	1200m	
DTS32375	32mm		100	375m	4

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

Malleable Boxes

- 20/25mm Boxes - Cover fixings M4 at 50.8mm centres
- 32mm Boxes - Cover fixings M4 at 71.5mm centres
- 20mm Boxes - Internal depth 25mm
- 25mm Boxes - Internal depth 28mm
- 32mm Boxes - Internal depth 37mm
- Tapped M4 hole for earth terminal in base
- Manufactured to BS 4568 and BS EN 61386
- Boxes are galvanised after manufacture and meet the most demanding Class 4 corrosion protection standard

Terminal Box (1 Way)

DT21120G	20mm
DT21125G	25mm
DT21132G	32mm

Through Box (2 Way)

DT22120G	20mm
DT22125G	25mm
DT22132G	32mm

Angle Box

DT25120G	20mm
DT25125G	25mm
DT25132G	32mm

Tee Box (3 Way)

DT23120G	20mm
DT23125G	25mm
DT23132G	32mm

U Box (Branched 2 Way)

DT26120G	20mm
DT26125G	25mm

Y Box (Branched 3 Way)

DT26220G	20mm
DT26225G	25mm

H Box

DT26420G	20mm
DT26425G	25mm

Intersection Box (4 Way)

DT24120G	20mm
DT24125G	25mm



DT21120G



DT22125G



DT25120G



DT23120G



DT26120G



DT26220G



DT26420G



DT24125G

Malleable Back Outlet Boxes

Back Outlet Box

DT21420G 20mm
DT21425G* 25mm



DT21420G



DT21325G

Terminal and Back Outlet Box

DT21320G 20mm
DT21325G 25mm

Through and Back Outlet Box

DT22320G 20mm
DT22325G* 25mm



DT22320G



DT25325G*

Angle and Back Outlet Box

DT25320G 20mm
DT25325G* 25mm

Tee and Back Outlet Box

DT23320G* 20mm
DT23325G* 25mm



DT23325G*

Malleable Extension Boxes

Terminal Extension Box

DT21220G 20mm
DT21225G 25mm



DT21220G

Through Extension Box

DT22220G 20mm
DT22225G 25mm



DT22220G

Loop-In Boxes

- 20mm Boxes - Cover fixings M4 at 50.8mm centres
- 20mm Boxes - Internal depth 25mm
- Tapped M4 hole for earth terminal in base
- Malleable Boxes are galvanised after manufacture and meet the most demanding Class 4 corrosion protection standard

Loop-In Box (Malleable)

DT27001	1 Hole
DT27002	2 Hole



DT27001

Loop-In Box (Pressed Steel)

DT30001	1 Hole
DT30002	2 Hole
DT30005	4 KO



DT30001

Extension Rings (Pressed Steel)

Extension Rings (Pressed Steel)

DT31013Z*	13mm
DT31016Z	16mm
DT31020Z	20mm
DT31025Z	25mm
DT31032Z	32mm
DT31038Z*	38mm
DT31050Z	50mm



DT31013Z*

Couplers

Couplers (Steel)

DT31120G	20mm
DT31125G	25mm
DT31132G	32mm
DT31138G	1.5"
DT31150G	2"



DT31120G



DT31220G*

Earth Couplers (Malleable)

DT31220G*	20mm
DT31225G*	25mm

Flanged Couplers (Malleable)

DT31320G	20mm
DT31325G	25mm
DT31332G*	32mm



DT31320G

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

Bends, Elbows, Tees and Hooks

- Inspection bends, elbows and tees include galvanised inspection cover

Solid Bends (Steel)

DT31420Z 20mm
DT31425Z 25mm
DT31432Z* 32mm



DT31425Z



DT31520G

Inspection Bends (Malleable)

DT31520G 20mm
DT31525G* 25mm



DT31620G



DT31720G

Solid Elbows (Malleable)

DT31620G 20mm
DT31625G 25mm

Inspection Elbows (Malleable)

DT31720G 20mm
DT31725G 25mm



DT31820G



DT31925G

Solid Tees (Malleable)

DT31820G 20mm
DT31825G* 25mm

Inspection Tees (Malleable)

DT31920G 20mm
DT31925G 25mm

Suspension Hooks (Malleable)

DT32020G 20mm hook
DT32025G* 25mm hook



DT32020G

Lids, Gaskets, Dome Covers and Hookplates

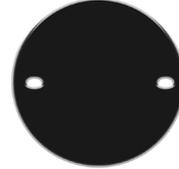
- Box lids manufactured from pre-galvanised sheet

Box Lids (Zinc Plated)

DT32201G 20/25mm 2 Holes
DT32204G 32mm 4 Holes



DT32201G



DT32301

Gaskets (Rubber)

DT32301 20/25mm
DT32302 32mm

Female Dome Covers (Malleable)

DT32420G 20mm
DT32425G 25mm



DT32425G



DT32620G

Hookplates (Pre-Galvanised)

DT32620G 20mm

Nipples

Standard Steel Nipples (Zinc Plated)

DT32720Z 20mm
DT32725Z 25mm
DT32732Z 32mm



DT32720Z



DT32732Z*

300mm Long Steel Nipples (Zinc Plated)

DT32820Z* 20mm
DT32825Z* 25mm
DT32832Z* 32mm

Adaptors

Screwed Reducers (Zinc Plated)

DT3302520Z 25 x 20mm
DT3303220Z 32 x 20mm
DT3303225Z 32 x 25mm



DT3302520Z



DT33150Z*

Hex Plugs (Zinc Plated)

DT33120Z 20mm
DT33125Z 25mm
DT33132Z 32mm
DT33138Z* 1.5"
DT33150Z* 2"

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

Brass Accessories

- Brass Earth Terminal suitable for use with malleable boxes
- Short and long pattern male brass bushes available

Male Brass Bush (Short)

DT40120	20mm
DT40125	25mm
DT40132	32mm
DT40138	1.5"
DT40150	2"



DT40120



DT40220

Male Brass Bush (Long)

DT40220	20mm
DT40225	25mm
DT40232	32mm
DT40238	1.5"
DT40250	2"



DT40320



DT40420

Female Brass Bush

DT40320	20mm
DT40325	25mm
DT40332	32mm
DT40338	1.5"
DT40350	2"

Brass Slotted Plugs

DT40420	20mm
DT40425*	25mm
DT40432*	32mm



DT40520



DT40604

Brass TRS Glands

DT40520	20mm gland hole \varnothing 7.5mm
DT40525	25mm gland hole \varnothing 11.5mm
DT40532*	32mm gland hole \varnothing 14.5mm

Brass Earth Terminal

DT40604	M4
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Locknuts and Lockrings

- Locknuts available in light gauge and heavy gauge

Light Steel Locknuts (Zinc Plated)

DT33320Z	20mm
DT33325Z	25mm
DT33332Z	32mm
DT33338Z	1.5"
DT33350Z	2"



DT33320Z



DT33420Z*

Heavy Steel Locknuts (Zinc Plated)

DT33420Z*	20mm
DT33425Z*	25mm
DT33432Z*	32mm

Milled Edge Lockrings (Zinc Plated)

DT33520Z	20mm
DT33525Z	25mm
DT33532Z	32mm
DT33538Z	1.5"
DT33550Z	2"



DT33538Z

Adaptable Boxes

- Available with knockouts or plain sides
- Knockouts are 20/25mm combination
- Manufactured from pre-galvanised steel

Adaptable Boxes

Knockout	Plain		
DT501332G	DT502332G*	3" x 3" x 2"	(75x75x50mm)
DT501442G	DT502442G*	4" x 4" x 2"	(100x100x50mm)
DT501443G	DT502443G*	4" x 4" x 3"	(100x100x75mm)
DT501662G	DT502662G*	6" x 6" x 2"	(150x150x50mm)
DT501663G	DT502663G*	6" x 6" x 3"	(150x150x75mm)
DT501664G	DT502664G*	6" x 6" x 4"	(150x150x100mm)
DT501994G	DT502994G*	9" x 9" x 4"	(225x225x100mm)
DT50112124G	DT50212124G*	12" x 12" x 4"	(300x300x100mm)



DT502332G*

Width of Side	No of KO's per Side
3"	2
4"	2
6"	4
9"	6
12"	8

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

Saddles

- Saddles available for use with 20mm, 25mm and 32mm conduit

Half Saddles (Zinc Plated)

DT33820Z 20mm
DT33825Z 25mm



DT33820Z



DT33932Z

Steel Saddles (Zinc Plated)

DT33920Z 20mm
DT33925Z 25mm
DT33932Z 32mm



DT33920Z



DT33932Z

Spacer Bar Saddles (Zinc Plated)

DT34020Z 20mm
DT34025Z 25mm
DT34032Z 32mm



DT34020Z



DT34020BK

Spacer Bar Saddles (Steel Powder Coated)

DT34020WH 20mm
DT34020BK 20mm
DT34025WH 25mm
DT34025BK 25mm



DT34120G



DT34220G

Heavy Distance Saddles (Malleable)

DT34120G 20mm
DT34125G 25mm
DT34132G 32mm

Hospital Saddles (Malleable)

DT34220G 20mm
DT34225G 25mm

Crampets and Jack Chain

Steel Crampets (Zinc Plated)

DT33620Z 20mm
DT33625Z 25mm



DT33620Z

Jack Chain (Pre-Galvanised)

DT33210G* No 10



DT33210G*

Stock, Die and Guide Set

- Supplied with 20mm and 25mm dies

Stock, Die and Guide Set

DT6012025 Stock, die and guide set 20/25mm



DT6012025

Conduit Bender

- Supplied with 20mm and 25mm formers
- Includes extender arm for additional leverage
- Includes vice grip

Conduit Bender

DT615 Metal conduit bender 20/25mm



DT615



Technical



Back Box Cross Reference Table

FLUSH MOUNTING

- Vimark, Vimark Curve

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 (2 port)*			DB165*	DB168	DB2541	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

* Limited cable entry positions at bottom of the box

Back Box Cross Reference Table

SURFACE MOUNTING

- Vimark

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 outlets		V1221/V1225	V1222/V1226	V1228
TV outlets			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

Back Box Cross Reference Table

SURFACE MOUNTING

- Vimark Curve

Depth	PATTRESS BOXES			
	16mm	25mm	33mm	45mm
SOCKETS				
1 gang 13A		VC1221	VC1222	VC1228
2 gang 13A		VC1223	VC1224	VC1229
Round pin sockets		VC1221	VC1222	VC1228
Shaver sockets				VC1229
USB charging sockets (3 port)*		VC1223	VC1224	VC1229
PLATE SWITCHES				
1, 2 and 3 gang	VC1220E	VC1221	VC1222	VC1228
4 and 6 gang		VC1223	VC1224	VC1229
Intermediate	VC1220E	VC1221	VC1222	VC1228
3 pole fan isolator	VC1220E	VC1221	VC1222	VC1228
DIMMER SWITCHES				
1 and 2 gang		VC1221	VC1222	VC1228
CONNECTION UNITS				
Fused/Unfused		VC1221	VC1222	VC1228
HIGH CURRENT SWITCHES				
1 gang 20A		VC1221	VC1222	VC1228
1 gang 50A				VC1228
1 gang tall 50A				VC1229
Cooker control unit				VC1229
45A outlet				VC1228
MULTIMEDIA OUTLETS				
Telephone outlets		VC1221	VC1222	VC1228
TV outlets			VC1222	VC1228
FLEX CONNECTION/BLANK PLATES				
Flex connection plate			VC1222	VC1228
1 gang blank plate	VC1220E	VC1221	VC1222	VC1228
2 gang blank plate		VC1223	VC1224	VC1229

* Limited cable entry positions at bottom of the box

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

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.

Engraving

An engraving service is available for a limited range of wiring accessories. Products can be engraved in an upper and lower case standard font, with either red or black fill.

Engraved products must be ordered in multiples of 10, and are available with a 14 day lead time for stock items, with delivery subject to normal terms.

To order engraved products, please contact the sales office.

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.

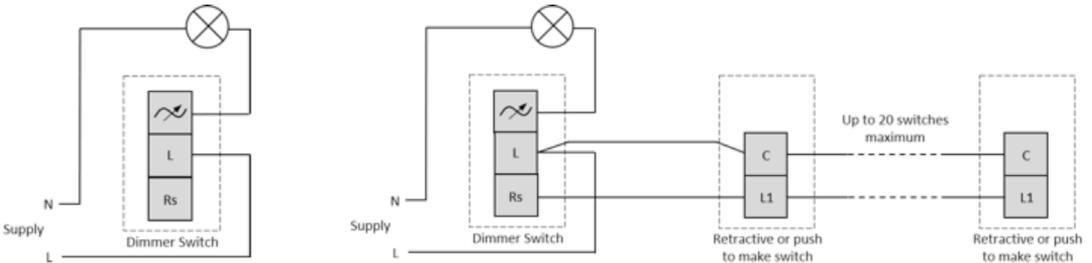
Multiway dimming can be achieved the Universal Dimmer by connecting up to 20 switches to allow dimming from all positions.

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 the Vimark and Vimark Curve 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.

- 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 download. The filter within the diplexer separates the appropriate signal and feeds them to the relevant output connection.

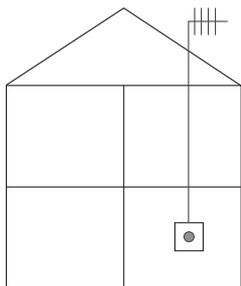
Triplexer outlets are intended for use where TV, FM/DAB and satellite signals are combined on a single download. The filter within the triplexer separates the appropriate signal and feeds them to the relevant output connection. The triplexer provides a DC control path in the SAT signal path.

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

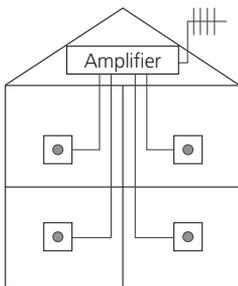
Sky Q – for installation in single dwellings, use two F-Type modules. For communal areas, the installation can be completed using a combination of a dSCR multi-switch and triplexer/quadplexer module.

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

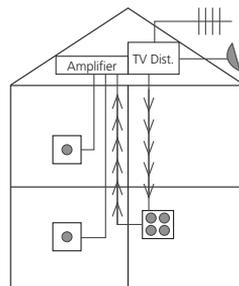
Typical Installations



Basic domestic installation where a non-isolated coaxial outlet is connected directly to the aerial.

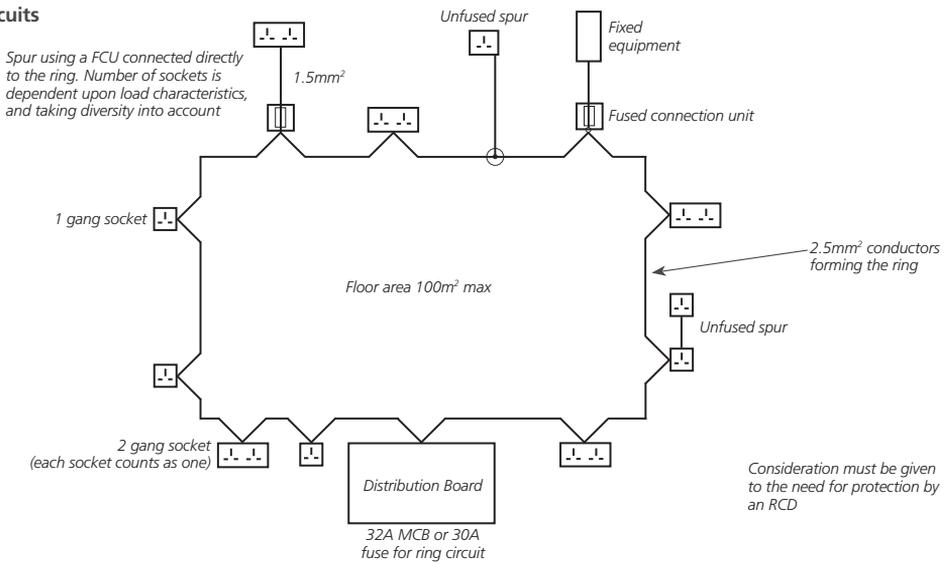


Communal aerial system, i.e. flats, hotels etc. where isolated coaxial outlets are wired separately to an amplifier.

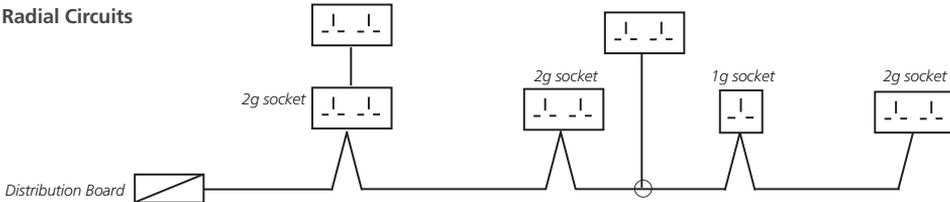


Domestic installation with satellite, including return feed for distribution to outlets in other rooms.

Final Ring Circuits



Final Radial Circuits



Final Circuits Using BS 1363 Socket-Outlets

Type of circuit	Overcurrent protective device		Minimum conductor size*		Maximum floor area served m ²
	Rating Amps	Type	Copper conductor Thermo-setting or PVC insulation mm ²	Copper conductor mineral insulated cables mm ²	
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.

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).

deta[^]

With over 65 years of electrical industry experience, Deta has grown to become a trusted 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.

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.



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.

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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)

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 electrosparcs, Vimark is a long established and trusted brand that supports electrical contractors with their everyday installation requirements.

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.

CHANNEL

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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.

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Think electrical, think... deta[^]



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