MK Elements Collection

Installation

The MK Elements Collection products consist of the main product module, complete with its' support frame, plus a separate clip on frontplate. The product is mounted to the wall, after wiring, and the frontplate is clipped onto the frame. The frontplate is supplied separately to aid installation.

1. Ensure the depth of the back box is correct for the product and that it is fitted securely to the wall.
2. Install the cables in the normal way and, using the fixing screws supplied, mount the product, still minus its frontplate, to the wall. It is important the correct headed screws are used as any other may clash with the rear of the frontplate.
3. Do not over tighten the screws, so as to prevent damage or distortion to the product or support frame. Adjust so the frame or module sits squarely on the wall.
4. Care should be taken to ensure product features such as snap fits are not blocked during installation or decorating, preventing correct fitting of frontplates (for example plaster, tile grout, paint etc).

Fitting and removing the frontplate

Fitting the frontplate

1. Locate the top and bottom hooks on the back of the frontplate into the holes on the top and bottom of the module.
2. Gently push along the top edge of the frontplate followed by the bottom edge.

Note: Ensure the correct frontplate is fitted to the correct module or frame.

Removing the frontplate

1. Carefully insert a 4mm screwdriver into the slots provided along the bottom edge frontplate.
2. Carefully twist the screwdriver and lift the frontplate away disengaging the snap fits.

Note: Ensure the correct frontplate is fitted to the correct module or frame.

For a full range of corresponding products, see pages 70-97 in the product selector.

Note: Care should be taken to ensure product features such as snap fits are not blocked during installation or decorating, preventing correct fitting of frontplates (for example plaster, tile grout, paint etc).
**Elements Collection**

**Technical**

**Electronic Switches**

**Standards and approvals**

All Elements electronic switches comply with IEC 60669-2-1

**TECHNICAL SPECIFICATION**

**ELECTRICAL**

- MAINS SUPPLY VOLTAGE: 220-240V a.c. 50/60Hz
- MAINS SUPPLY VOLTAGE RANGE: 198 - 264V a.c.
- MAINS SUPPLY FREQUENCY: 50/60Hz ±3Hz
- TERMINAL CAPACITY: All products 4 x 1mm², 4 x 1.5mm², 3 x 2.5mm², 2 x 4mm², 1 x 6mm²

**PHYSICAL**

- OPERATING TEMPERATURE: -5°C to +40°C
- IP RATING: IP4X
- MAX. INSTALLATION ALTITUDE: 2000 metres

To prevent damage to frontplates during installation it is recommended that a screwdriver with a blade width of 4mm is used.

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>1 gang</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>86</td>
<td>28.15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 gang</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>86</td>
<td>28.15</td>
</tr>
</tbody>
</table>

**Description**

Elements Electronic Switches offer intuitive touch sensitive silent switching (except K34370) with LED displays, for a unique user experience.

**Features**

- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Touch sensitive electronic switch with LED display
- Standby light to assist location in low light level applications
- Soft start and off offers superior user experience and prolongs lamp life
- Available as 1 and 2 gang
- LED compatible (requires neutral)
- High power switches up to 10A or fluorescent load (10AX)
- Intelligent overload protection (not applicable to 10A switch)
- 2-way switching available
## Electronic Switches

### LOAD RATING AND TYPE

<table>
<thead>
<tr>
<th>Description</th>
<th>K34371 &amp; K34372 (per gang)</th>
<th>K34370</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLS/ Tungsten Filament, Mains Tungsten Halogen</td>
<td>25 – 400W</td>
<td>25-2400W</td>
</tr>
<tr>
<td>Fluorescent tubes with ferro-magnetic ballast with power factor correction</td>
<td>*18-200VA</td>
<td>18-1800W</td>
</tr>
<tr>
<td>Fluorescent with electronic ballast</td>
<td>*18-400VA</td>
<td>18-540W</td>
</tr>
<tr>
<td>Low Energy PL-C and PL-S Fluorescent with Ferromagnetic ballast</td>
<td>*18-200VA</td>
<td>18-750W</td>
</tr>
<tr>
<td>Low Energy PL-C and PL-S Fluorescent with electronic ballast</td>
<td>*18-400VA</td>
<td>*18-750W</td>
</tr>
<tr>
<td>Compact Fluorescent (CFL)</td>
<td>*5-200W</td>
<td>*5-750W</td>
</tr>
<tr>
<td>ELV Tungsten Halogen with Ferro-magnetic transformer or Dimmable Electronic Transformer</td>
<td>50-400VA (Refer to note 4)</td>
<td>50-1500VA (Refer to note 4)</td>
</tr>
<tr>
<td>ELV Tungsten Halogen with Non-dimmable Electronic Transformer</td>
<td>*25-400VA</td>
<td>25 – 1500VA</td>
</tr>
<tr>
<td>Mains LED lamp for incandescent replacement</td>
<td>*4-150W (Max. 15 lamps)</td>
<td>*4-500W (Max. 15 lamps)</td>
</tr>
<tr>
<td>Ceiling Fan (Note: Not suitable for fan with remote controller function)</td>
<td>Not applicable</td>
<td>*1-2 Max. 250W</td>
</tr>
<tr>
<td>Ventilation Fan</td>
<td>*1-2 Max. 250W</td>
<td></td>
</tr>
<tr>
<td>Dimmable or non-dimmable LED Driver</td>
<td>*4-150W (Max 10 LED drivers only)</td>
<td>*4-500W (Max 10 LED drivers only)</td>
</tr>
</tbody>
</table>

**Note:**

1. Do not use loads of different types on the same circuit.
2. Not suitable for use with any other load type.
3. *Neutral connection is required. It is recommended to connect neutral whenever possible when dimming LED lamps, to extend the load handling capability of the switch.
4. If neutral is connected to the switch then the minimum rating of the load can be reduced to 25VA.
Elements Collection
Technical

Electronic Dimmers

Standards and approvals
All Elements electronic dimmers comply with IEC 60669-2-1

TECHNICAL SPECIFICATION

ELECTRICAL
MAINS SUPPLY VOLTAGE
220-240V a.c. 50/60Hz

TERMINAL CAPACITY
All products
4 x 1mm²
4 x 1.5mm²
3 x 2.5mm²
2 x 4mm²
1 x 6mm²

For 1-10V control cable of K34499
2 x 0.75mm²
2 x 1mm²
2 x 1.5mm²
2 x Cat 5e Cable

PHYSICAL
OPERATING TEMPERATURE
-5°C to +40°C

IP RATING
IP4X

MAX. INSTALLATION ALTITUDE
2000 metres

To prevent damage to frontplates during installation it is recommended that a screwdriver with a blade width of 4mm is used.

Mounting box type
The minimum depth required is 35mm.
When using 2.5mm² cables the minimum box depth required is 40mm.

Description
Elements Electronic Dimmers offer intuitive touch sensitive silent dimming with LED displays, for a unique user experience.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Touch sensitive electronic dimmer with LED display
- LED Vapour trail follows users finger to indicate the power level
- Standby light to assist location in low light level applications
- Soft start and off offers superior user experience and prolongs lamp life
- When switched on lights return to last setting
- Available as 1 and 2 gang
- LED compatible
- Intelligent overload protection (not applicable to 1-10V dimmer)
- Leading edge and trailing edge dimmers available
- 2-way dimming available

Dimensions (mm)

1 gang

![Diagram of 1 gang electronic dimmer dimensions]

2 gang

![Diagram of 2 gang electronic dimmer dimensions]
Electronic Dimmers

<table>
<thead>
<tr>
<th>LOAD RATING AND TYPE</th>
<th>Leading Edge Dimmers</th>
<th>K34100</th>
<th>K34101 &amp; K34102 (per gang)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GLS/ Tungsten Filament, Mains Tungsten Halogen</td>
<td>40 - 500W</td>
<td>40 – 300W</td>
</tr>
<tr>
<td></td>
<td>Mains dimmable LED lamp for incandescent replacement</td>
<td>6 - 150W Max. 12 lamps</td>
<td>6 - 120W Max. 12 lamps</td>
</tr>
<tr>
<td></td>
<td>ELV Tungsten Halogen with dimmable Ferro-magnetic transformer</td>
<td>35 - 400VA</td>
<td>35 - 240VA</td>
</tr>
<tr>
<td>Trailing Edge Dimmers</td>
<td>K34103</td>
<td>K34104 &amp; K34105 (per gang)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GLS/ Tungsten filament, Mains Tungsten Halogen</td>
<td>25 – 500W</td>
<td>25 – 300W</td>
</tr>
<tr>
<td></td>
<td>ELV Tungsten Halogen with Dimmable Electronic Transformer</td>
<td>35 – 500VA</td>
<td>35 – 300VA</td>
</tr>
<tr>
<td></td>
<td>Dimmable LED Driver</td>
<td>*4-150W (Max 5 LED drivers only)</td>
<td>*4-120W (Max 5 LED drivers only)</td>
</tr>
</tbody>
</table>

Note:
1. Do not use loads of different types on the same circuit.
2. Not suitable for use with any other load type.
3. *Neutral connection is required. It is recommended to connect neutral whenever possible to extend the load handling capability of the dimmer.

1-10V Dimmer | K34499
---|---
Rated Load | 6AX
Maximum number of ballasts | 10

Neutral connection is mandatory on 1-10V Dimmer. Suitable for use with dimmable fluorescent or LED lighting which is driven by separate 0/1-10V control gear.

Suitable for use with 0/1-10V analogue dimmable ballast operating in accordance with IEC60929 annex E.
Socket Outlets

Standards and approvals
13A socket outlets comply with BS 1363 Part 2.

Description
A range of socket outlets designed for ease of installation and having all the advantageous design features of the Elements Collection.

Sockets are available with two earth terminals on a common busbar to provide a double earth facility for use when installations require a high integrity protective connection as specified within BS 7671:2008.

The products can be quickly installed as replacements for existing 13 Amp sockets or in new installations (if suitable mounting box is in position).

Round pin sockets
A range of round pin sockets is also available.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Products with LED locators and indicators available
- 3 pin operated shutter
- Printed terminal markings on grey rear mouldings for clearer identification
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Switch contacts with silver contacts on both surfaces for good continuity
- Only one size of screwdriver required for installation
- Dual earth terminals for high integrity earthing are available
- Backed out and captive terminal screws
13 Amp Socket Outlets

Standards and approvals
Elements 13A socket outlets comply with BS 1363 Part 2.

Dimensions (mm)

<table>
<thead>
<tr>
<th>1 gang</th>
<th>2 gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Diagram of 1 gang socket outlet]</td>
<td>![Diagram of 2 gang socket outlet]</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIFICATION

**ELECTRICAL**
- **VOLTAGE RATING** 250V a.c.
- **CURRENT RATING** 13A
- **TERMINAL CAPACITY**
  - Live, neutral & earth
  - 3 x 2.5mm²
  - 3 x 4mm²
  - 2 x 6mm² (stranded)

**PHYSICAL**
- **AMBIENT OPERATING TEMPERATURE** –5°C to +40°C
- **IP RATING** IP2XD
- **MAX. INSTALLATION ALTITUDE** 2000 metres

Installation
Elements socket outlets can be wall or bench mounted. Do not mount or use as a trailing socket or where they may be subject to excessive moisture or dampness.

<table>
<thead>
<tr>
<th>BOX TYPES</th>
<th>1 GANG</th>
<th>2 GANG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush</td>
<td>8662IC</td>
<td>8662IC</td>
</tr>
<tr>
<td>Flush (for extra wiring space)</td>
<td>8772IC</td>
<td>8782IC</td>
</tr>
</tbody>
</table>
Elements Collection
Technical

5 Amp Socket Outlets

Standards and approvals
Round pin socket outlets comply with BS 546

TECHNICAL SPECIFICATION

ELECTRICAL
VOLTAGE RATING
250V a.c.

TERMINAL CAPACITY
3 x 2.5mm²
3 x 4mm²
2 x 6mm² (stranded)

PHYSICAL
AMBIENT OPERATING TEMPERATURE
–5°C to +40°C

IP RATING
IP2XD

MAX. INSTALLATION ALTITUDE
2000 metres

Description
A range of round pin socket outlets designed for ease of installation and having all the advantages and design features of the Elements Collection. These products can be quickly installed as replacements for existing socket outlets or in new installations.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- 3mm minimum switch contact gap
- Only one size of screwdriver required for installation
- Round Pin Socket Outlets available in 16 standard finishes

Installation
Elements socket outlets can be wall or bench mounted – do not mount or use as a trailing socket or where they may be subjected to excessive moisture or dampness.

Dimensions (mm)

<table>
<thead>
<tr>
<th>BOX TYPES</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush</td>
<td>Flush (for extra wiring space)</td>
</tr>
<tr>
<td>866ZIC (35mm deep)</td>
<td>877ZIC (46mm deep)</td>
</tr>
</tbody>
</table>

Description
A range of round pin socket outlets designed for ease of installation and having all the advantages and design features of the Elements Collection. These products can be quickly installed as replacements for existing socket outlets or in new installations.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- 3mm minimum switch contact gap
- Only one size of screwdriver required for installation
- Round Pin Socket Outlets available in 16 standard finishes

Installation
Elements socket outlets can be wall or bench mounted – do not mount or use as a trailing socket or where they may be subjected to excessive moisture or dampness.

Dimensions (mm)
Shaver/Toothbrush Supply Unit

**Standards and approvals**
Shaver/Toothbrush supply units comply with BS EN 61558-2-5: 1998.

Accommodates plugs as follows:
- British 5mm dia pins on 16.6mm pitch (230V socket) to BS 4573:1970
- European 4mm dia pins on 17 to 19mm pitch (230V socket) to BS EN 50075
- Australian 6.5 x 1.6 flat blades each set at 30° to the vertical on a nominal pitch of 13.7mm (230V socket) AS/NZS 3112:2000
- American 6.6 x 1.6 flat horizontal blades on 12.7mm pitch (115V socket) to UL498/NEMA WD6

**Description**
Designed for ease of installation and having many of the advantageous design features of the Elements Collection.

May be used in bathrooms and washrooms but must only be installed in accordance with the latest edition of BS 7671.

**Features**
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Top access terminal screws make wiring quicker and easier
- Automatic primary supply switching on insertion of plug
- Choice of 230V or 115V output socket positions
- Safety interlocked shutters to prevent insertion of two plugs simultaneously
- Only one size of screwdriver required for installation
- Frontplate fixing screws retained on rear case moulding
- Integral over current device to protect transformer
- Suitable for use with electric toothbrush chargers.

**Installation**
Shaver/Toothbrush supply unit should be wall mounted.

**Dimensions (mm)**
![Dimensions Diagram]

**TECHNICAL SPECIFICATION**

**ELECTRICAL**

<table>
<thead>
<tr>
<th>VOLTAGE RATING</th>
<th>230V a.c. Input 50/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V or 115V nominal outputs</td>
<td></td>
</tr>
</tbody>
</table>

**CURRENT RATING**
200mA max. (internal thermister trip current)

**MAXIMUM LOAD**
20VA
No load voltage < 275V

**TERMINAL CAPACITIES**
Each terminal will accommodate 1 x 4mm² or 2 x 2.5mm² solid conductors*

**PHYSICAL**

<table>
<thead>
<tr>
<th>AMBIENT OPERATING TEMPERATURE</th>
<th>-5°C to +40°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP RATING</td>
<td>IP41 (In Zone 2 if fixed where direct spray from showers is unlikely)</td>
</tr>
</tbody>
</table>

**MAX. INSTALLATION ALTITUDE**
2000 metres

*The design of this unit means that on no load the transformer output is allowed to be as high as 275V. This means that rechargeable shavers and toothbrushes intended for use on the continent may be damaged by the inrush current created by this higher voltage. Rechargeable shavers and toothbrushes with a wide range of input voltage should be recharged at 115V. Shavers and toothbrushes manufactured for the UK are designed to be used with a transformer unit. Loads in excess of 20VA may cause the solid state overload to operate before shaving is completed. This is to protect the transformer.

**BOX TYPES**
Flush mounting only
- Metal box 8782IC
(minimum metal mounting box depth is 47mm)
Elements Collection
Technical
Connection Units

Standards and approvals
All Elements Connection Units comply with BS 1363 Part 4

Description
A range of 13A fused connection units designed for the connection of refrigerators, central heating boilers and other fixed appliances.

The range is designed for ease of installation and has all the advantageous design features of the Elements Collection.

Fuse carriers
These are captive and are opened by a fast acting, worm-drive operated screwdriver for ease of replacement.

Flex outlets
The products are equipped with very strong, push-fit cord grips making installation safe, quick and easy.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Only one size of screwdriver required for installation
- Worm-drive operated fuse carriers for additional security
- Push-fit cord grips, for safer, quicker installation
- Additional electrical safety from neutral ‘make first’, ‘break last’ feature

WIRING DEVICES
DECORATIVE
Connection Units

Standards and approvals
All Elements Connection Units comply with BS 1363 Part 4

TECHNICAL SPECIFICATION

ELECTRICAL
VOLTAGE RATING
250V a.c.
CURRENT RATING
13 Amp
TERMINAL CAPACITY
3 x 2.5mm²
2 x 4mm²
1 x 6mm² (stranded)
Flex outlet/cord grip capacities
Min. 2 Core, 0.5mm²
Max. 3 Core, 1.5mm²

PHYSICAL
AMBIENT OPERATING TEMPERATURE
-5°C to +40°C
IP RATING
With flex outlet
IP23D
Without flex outlet
IPX4
MAX. INSTALLATION ALTITUDE
2000 metres

Dimensions (mm)

Installation
Elements connection units can be wall or bench mounted.
Do not use on a trailing lead.

BOX TYPES

<table>
<thead>
<tr>
<th>BX Type</th>
<th>With Flex Outlet</th>
<th>Without Flex Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>866ZIC (35mm deep)</td>
<td>IP23D</td>
<td>IPX4</td>
</tr>
<tr>
<td>877ZIC (46mm deep)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Changing Fuses
1. Unscrew the fuse carrier screw to partially eject the carrier.
2. Carefully lever (by screwdriver or finger) the carrier out further to remove the fuse. Note: The carrier does not come fully out.
3. Always replace with a BS 1362 type fuse (as used in 13A plugs) of the correct rating.
Grid Switch Modules

Standards and approvals
All Elements switches comply with BS EN 60669-1:1999.

TECHNICAL SPECIFICATION

ELECTRICAL
VOLTAGE RATING
250V a.c. 50Hz

CURRENT RATING
1way/2way – 10AX or 20AX versions available.
All Push switches – 10A only
Intermediate – 20AX only
Double Pole – 20AX only
Centre Off – 10A only

TERMINAL CAPACITY
All products
4 x 1mm²
4 x 1.5mm²
3 x 2.5mm²
2 x 4mm²
1 x 6mm²

CONTACT GAP
3mm switch contact gap
(Except K34900 and K34901)

PHYSICAL
OPERATING TEMPERATURE
-5°C to +40°C

IP RATING
IP4X

MAX. INSTALLATION ALTITUDE
2000 metres

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Switch contacts with silver contacts on both surfaces for good continuity
- Positive switch action
- Only one size of screwdriver required for installation
- Backed out and captive terminal screws
- Locator versions available for low light level applications

Dimensions (mm)

<table>
<thead>
<tr>
<th>1 gang</th>
<th>2 gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>86</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>86</td>
</tr>
<tr>
<td>13.7</td>
<td>13.7</td>
</tr>
<tr>
<td>735</td>
<td>735</td>
</tr>
</tbody>
</table>

1 gang wide rocker

Sectional drawings show the furthest projections from the back of the frontplate (wall surface).

Description
Elements Modular Switches require a separate frontplate, when ordering ensure the appropriate module and frontplate is selected.
Grid Switch Modules

Wiring Diagrams

**One-way switching**

![One-way wiring diagram]

**Two-way switching – 2 wire control**

![Two-way 2 wire wiring diagram]

**Two-way switching plus intermediate switching – 2 wire control**

![Two-way intermediate 2 wire wiring diagram]

**Two-way switching – 3 wire control**

![Two-way 3 wire wiring diagram]

**Two-way switching plus intermediate switching – 3 wire control**

![Two-way intermediate 3 wire wiring diagram]

Note:

Switches featuring locators and indicators use LED illumination.

All switches fitted with a locator are intended to give a very low light output whilst the switch is turned off. The low level of power flowing in this circuit is compatible with the majority of installation requirements however, certain lamp types or installations using multiple intermediate switches on one circuit may require the use of a snubber capacitor. The recommended capacitor to use would be X2 rated 275V 0.1 µF.

Switches incorporating indicator or locator illumination must be disconnected before carrying out any site installation testing.

Note: Terminal positions may alter. The above diagrams are to show wiring layout.
Elements Collection
Technical
Grid Frontplates

Frontplate Dimensions (mm)

1 module – K35131

2 module – K35132

3 module – K35133

4 module – K35134
High Current Switches

Standards and approvals
High Current switches comply with BS EN 60669-1

Description
A range of switches harmonising with the Elements style, suitable for the switching of all domestic, commercial and industrial appliances where higher current ratings are required, i.e. cookers, heaters, commercial refrigeration units etc.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Positive double pole switching
- Toggle action switches
- Replaceable neon indicators

BOX TYPES

<table>
<thead>
<tr>
<th>Switches</th>
<th>Max. Cable Size</th>
<th>Flush</th>
</tr>
</thead>
<tbody>
<tr>
<td>32A</td>
<td>10mm²</td>
<td>46mm</td>
</tr>
<tr>
<td>50A</td>
<td>16mm²</td>
<td>46mm</td>
</tr>
</tbody>
</table>

BOX REFERENCES

<table>
<thead>
<tr>
<th>Flush Box depth</th>
<th>32A</th>
<th>50A</th>
</tr>
</thead>
<tbody>
<tr>
<td>46mm</td>
<td>877ZIC</td>
<td>877ZIC</td>
</tr>
</tbody>
</table>

Dimensions (mm)

32A

50A

Note: These switches are not recommended for switching large banks of PCs.
Do Not Disturb / Make Up Room Switches

**Technical**

**Standards and approvals**

All Elements switches comply with BS EN 60669-1:1999.

**Description**

The Elements Do Not Disturb / Make Up Room Switches have been developed along with a number of other products for hotels and hospitality venues, offering guests comfort and control.

**Features**

- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Switch contacts with silver contacts on both surfaces for good continuity
- Positive switch action
- Only one size of screwdriver required for installation
- Backed out and captive terminal screws

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Room Switch</th>
<th>Corridor Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Room Switch Diagram" /></td>
<td><img src="image2" alt="Corridor Switch Diagram" /></td>
</tr>
</tbody>
</table>

**Connection of LED Indicators**

- **Room Switch – Inside**
  - "Occupancy Selector"
- **Corridor Switch – Outside**
  - "Bell Push/Indicator"

**Technical Specification**

**Electrical**

- **Voltage Rating**: 250V a.c. 50Hz
- **Current Rating**: 10A
- **Terminal Capacity**
  - All products
    - 4 x 1mm²
    - 4 x 1.5mm²
    - 3 x 2.5mm²
    - 2 x 4mm²
    - 1 x 6mm²
- **Contact Gap**
  - K33900DND – Mini gap
  - K33885DND – Normal gap

**Physical**

- **Operating Temperature**: -5°C to +40°C
- **IP Rating**: IP4X
- **Max. Installation Altitude**: 2000 metres

**Box Types**

<table>
<thead>
<tr>
<th>All switches</th>
<th>861ZIC (25mm deep)</th>
</tr>
</thead>
</table>

**Features**

- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- Switch contacts with silver contacts on both surfaces for good continuity
- Positive switch action
- Only one size of screwdriver required for installation
- Backed out and captive terminal screws
Keycard Switch with Time Delay

**Standards and approvals**
BS EN 60669-2-1

**Description**
The Elements Keycard Switch with Time Delay has been developed along with a number of other products for hotels and hospitality venues, offering guests comfort and control, whilst delivering energy efficiency by avoiding energy waste in unoccupied rooms.

The Keycard Switch has a fixed time delay; once the card is removed guests are not left in the dark.

**Features**
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- 30 Second fixed time delay
- Bespoke colours, materials and finishes available via the Design Service

**Technical Specification**

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
<th>Voltage Rating</th>
<th>220-240V, 50/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Rating</td>
<td>10A</td>
<td></td>
</tr>
<tr>
<td>Terminal Capacity</td>
<td>4 x 1.5mm²</td>
<td></td>
</tr>
<tr>
<td>2 x 2.5mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 4.0mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 6.0mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earth Terminal</td>
<td>3 x 2.5mm²</td>
<td></td>
</tr>
<tr>
<td>2 x 4.0mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 6.0mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact Gap</td>
<td>Micro Gap</td>
<td></td>
</tr>
<tr>
<td>Physical</td>
<td>Ambient Operating Temperature</td>
<td>0°C to +35°C</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP2X</td>
<td></td>
</tr>
<tr>
<td>Max. Installation Altitude</td>
<td>2000m</td>
<td></td>
</tr>
<tr>
<td>Time Delay (Non Adjustable)</td>
<td>30 seconds</td>
<td></td>
</tr>
</tbody>
</table>

**BOX TYPES**

| 1 Gang | Flush | 866ZIC (35mm deep) |
|        | Flush (for extra wiring space) | 877ZIC (46mm deep) |

**Dimensions (mm)**

![Dimensions Diagram]

**Wiring Diagram**

![Wiring Diagram]
Euro Frontplates

Standards and approvals
Euro frontplates comply with BS 5733:2010

Description
Frontplates for mounting Euro Modules.

Features
- 16 standard finishes
- Many more customised combinations of standard colours, materials and finishes available
- Bespoke colours, materials and finishes available via the Design Service
- 1G and 2G frontplates
- Accepts industry standard Euro snapfit modules
- 1G Euro frontplate accepts 1 or 2 Euro modules
- 2G Euro frontplate accepts 4 Euro modules (100 x 50mm aperture)
- Euro 1/2 module (12.5 x 50mm) blank available
- Interchangeable modules clip into frontplate

Dimensions (mm)
1 gang, 1 module – K35111
1 gang, 2 module – K35112
2 gang, 4 module – K35114
## Power Modules

### Standards and approvals

- K5830: BS 1363 Part 2:1995
- K5831: IEC 60884-1:2006
- K5832: SASO 2204: 2003
- K5833: BS 546: 1950
- K5834: French National Standard NF C 61-314

### Description

A range of euro modules designed to provide a variety of power options.

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>13A UK</th>
<th>5A UK</th>
<th>16A German</th>
<th>15A American</th>
<th>USB Charging Module</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ELECTRICAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOLTAGE RATING</td>
<td>250V a.c.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CURRENT RATING</td>
<td>13A</td>
<td>5A</td>
<td>16A</td>
<td>15A</td>
<td></td>
</tr>
<tr>
<td>TERMINAL CAPACITY</td>
<td>Live, neutral &amp; earth</td>
<td>3 x 2.5mm²</td>
<td>3 x 4mm²</td>
<td>2 x 6mm² (stranded)</td>
<td></td>
</tr>
<tr>
<td>AMBIENT OPERATING TEMPERATURE</td>
<td>-5°C to +40°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP RATING</td>
<td>IP2X0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAX. INSTALLATION ALTITUDE</td>
<td>2000 metres</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PHYSICAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMBIENT OPERATING TEMPERATURE</td>
<td>-5°C to +40°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP RATING</td>
<td>IP2X0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAX. INSTALLATION ALTITUDE</td>
<td>2000 metres</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions (mm)

<table>
<thead>
<tr>
<th>13A UK</th>
<th>5A UK</th>
<th>16A German</th>
<th>15A American</th>
<th>2A USB Charging Module</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
<td><img src="image5.png" alt="Image" /></td>
</tr>
</tbody>
</table>

**BOX TYPES**

- Minimum
- Extra wiring space

- Minimum
- Extra wiring space

- Minimum
- Extra wiring space

- Minimum
- Extra wiring space

- Minimum
- Extra wiring space
Elements Collection
Technical

RJ45 Data Outlets

Standards and approvals
ISO/IEC 11801
EN 50173
TIA 568
EN 41003

Installation
- Maximum cable length 90m.
- Cable bend radii, 40mm during installation, 20mm after installation.
- Maximum pull force 8.7kg.
- Do not over tighten cable ties.
- Do not unwind the twists in the wire pairs by more than 13mm max.

Installation details and wiring diagram illustrations

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>568A</th>
<th>568B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WHITE / green</td>
<td>WHITE / orange</td>
</tr>
<tr>
<td>2</td>
<td>GREEN / white</td>
<td>ORANGE / white</td>
</tr>
<tr>
<td>3</td>
<td>WHITE / orange</td>
<td>WHITE / green</td>
</tr>
<tr>
<td>4</td>
<td>BLUE / white</td>
<td>BLUE / white</td>
</tr>
<tr>
<td>5</td>
<td>WHITE / blue</td>
<td>WHITE / blue</td>
</tr>
<tr>
<td>6</td>
<td>ORANGE / white</td>
<td>GREEN / white</td>
</tr>
<tr>
<td>7</td>
<td>WHITE / brown</td>
<td>WHITE / brown</td>
</tr>
<tr>
<td>8</td>
<td>BROWN / white</td>
<td>BROWN / white</td>
</tr>
</tbody>
</table>

Description
Suitable for use in all Euro modular frontplates, available in the Elements range, Cat 5e and Cat 6 modules suitable for use in structured cabling distribution systems.

Euro modules are to be wired as follows
RJ45 Cat.5e
K5845 – Euro

RJ45 Cat.5e Screened
K5845S – Euro

RJ45 Cat.5
K5844 – Euro Angled

RJ45 Cat.6 Screened
K5846S – Euro

RJ45 Cat.6 Euro
K5846 – Euro, K5864 – Euro Angled
Telephone, RJ11/12, BNC Data and Blank Modules

Standards and approvals

Telephone sockets K5820 and K5821 comply with BS 6312:2.2.

Data sockets K5801 comply with BS 5733:2010 (where applicable).

K5887 complies with FCC68 and EN 41003.

Description

A range of telephone, data and blank modules to fit Euro front plates. BNC Euro modules with a 50Ohm crimp connector suitable for use with RG58, URM43, URM76 and Beldon 9907 type co-axial cables are also available.

Installation (Telephone socket modules)

Product performance, systems compatibility

Master Sockets: For use as the first socket outlet on a direct exchange. They contain the required surge protector (for line protection against electrical surges) and ringing capacitor.

Secondary Sockets: for use as extension sockets when connected on the same line as a Master Socket.

Installation tools required IDC Connectors (telephone & RJ45 outlets)

MK insertion tool List No. 400NAT.

Wire pull-out force: 10.5 Newtons when installed correctly.

Wiring regulation restrictions

Domestic Installations: The total REN (Ring Equivalent Number) value of all telephone equipment connected on a line must not exceed 4.

Features

- Meet all relevant BS and cabling standards
- Interchangeable modules clip into frontplates
- Front fixing facilitates easy exchange of modules
- Part of a complete range of products for telephone and data processing requirements

Telephone sockets

- Quick, simple and reliable IDC connectors
- Can be specified for all applications

Data sockets

- Latest specification for high performance systems
- Made to stringent quality assurance procedures
- Wide range of data connectors available
Elements Collection
Technical

Telephone and RJ11/12

Telephone Wiring Scheme

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>STRIPPED COLOUR WIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Green / white</td>
</tr>
<tr>
<td>2</td>
<td>BLUE / white</td>
</tr>
<tr>
<td>3</td>
<td>ORANGE / white</td>
</tr>
<tr>
<td>4</td>
<td>WHITE / orange</td>
</tr>
<tr>
<td>5</td>
<td>WHITE / blue</td>
</tr>
<tr>
<td>6</td>
<td>WHITE / green</td>
</tr>
</tbody>
</table>

Note: Main wire colour is shown in capitals

RJ11/12 Wiring Scheme

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>STRIPPED COLOUR WIRE</th>
<th>SOLID COLOUR WIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WHITE / green</td>
<td>WHITE</td>
</tr>
<tr>
<td>2</td>
<td>WHITE / orange</td>
<td>Black</td>
</tr>
<tr>
<td>3</td>
<td>BLUE / white</td>
<td>Red</td>
</tr>
<tr>
<td>4</td>
<td>WHITE / blue</td>
<td>Green</td>
</tr>
<tr>
<td>5</td>
<td>ORANGE / white</td>
<td>Yellow</td>
</tr>
<tr>
<td>6</td>
<td>GREEN / white</td>
<td>Blue</td>
</tr>
</tbody>
</table>

Note: Main wire colour is shown in capitals
Digital TV and Radio

Standards and approvals
All TV outlets comply with BS 5733 and BS EN 50083 where applicable.

**TECHNICAL SPECIFICATION**

<table>
<thead>
<tr>
<th>SINGLE OUTLETS</th>
<th>TV/FM IEC MALE OR FEMALE</th>
<th>DC-950MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>SATF-TYPE</td>
<td>DC-1.75GHz</td>
<td></td>
</tr>
<tr>
<td>TV/FM/DAB/SAT PRODUCTS FOR DIGITAL RADIO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TV</td>
<td>Diplexer: 5-65MHz</td>
<td>470-862MHz</td>
</tr>
<tr>
<td></td>
<td>Triplexer: 5-65MHz</td>
<td>470-862MHz</td>
</tr>
<tr>
<td>FM/DAB</td>
<td>Diplexer: 87.5-230MHz</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Triplexer: 87.5-230MHz</td>
<td></td>
</tr>
<tr>
<td>SAT OR SAT1</td>
<td>Diplexer: n/a</td>
<td>950-2300MHz</td>
</tr>
<tr>
<td>SAT2</td>
<td>Diplexer: n/a</td>
<td>5-2300MHz</td>
</tr>
</tbody>
</table>

**Description**

There is one range of diplexer and triplexer products, which is suitable for digital radio (DAB).

Diplexer modules are for connecting to a single co-axial aerial down lead carrying combined TV and FM signals. The filtering in the diplexer splits out the appropriate signal and feeds it to the relevant output connection. A DC control path is provided in the TV signal path through the diplexer.

Triplexer modules are for connecting to a single co-axial aerial down lead carrying combined TV, FM and SAT signals. The filtering in the triplexer splits out the appropriate signal and feeds it to the relevant output connection. A DC control path is provided in the SAT signal path through the triplexer.

The quad outlet contains a triplexer together with a separate satellite output, for use with Sky+, or more complex installations.

Telephone secondary outlets are provided on some products for connection of telephone or for interactive TV applications.

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Euro 1 module</th>
<th>Euro 2 module Triplexer and Quadplexer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>32.5</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>32.5</td>
</tr>
<tr>
<td>5.5</td>
<td></td>
</tr>
</tbody>
</table>

Note: Minimum box depth: 47mm

**Features**

- Non isolated
- Fully screened
- Earth terminal provided on TV modules

**Installation**

- When installing the TV Co-axial cable ensure that all cable bends are smooth so that the inner insulation is not crushed or squashed. Otherwise the TV signal quality may be affected.
- Not suitable for loop-in loop-out installations.
- Use CT100 cable (or equivalent.)

TV Co-axial cable stripping details

Screening braid to remain in place over the inner insulation
Installation (TV sockets)

Product performance, systems compatibility
Isolated Outlets are intended for use where safety isolation (rated at 2000V ac) is required to provide protection against faults occurring within any mains powered product used on different parts of the distribution system. They are not suitable for use in systems where DC signals are passed through the socket, (e.g. where masthead/headend equipment is controlled by receiver/decoder equipment).

Diplexer Outlets are used in distribution systems where both TV and FM band signals are combined on a single aerial downlead. The filtering in the diplexer separates the appropriate signals and feeds them through to the relevant output connection port.

Cable Routing and Use of Cable Clamp
Sharp bends in the cable must be avoided during installation. The single TV/FM socket is fitted with a cable clamp that can be fixed on either side of the termination position to facilitate this.

When tightening the screening braid clamps ensure that the cable is firmly gripped and that the inner insulation is not squashed flat beyond a slight oval shape.

Safety Information
TV outlets or modules must not be installed in the same enclosure as equipment rated in excess of 50V, (e.g. mains rated 13A sockets or switches).

Method of installation of TV and FM aerial connection by using MK co-axial socket outlet and only one downlead.

Conventional distribution system for TV and FM signals using a single aerial downlead.

1. The signals from the TV and FM aerials and the satellite dish are combined together using two products. The first combines the TV and FM signals and the second adds the Sky signal to the TV/FM signal and provides a DC control path to power the LNB unit on the satellite dish. (These products are not supplied by MK).

2. The single aerial down lead feeds into the triplexer (black lines in wiring diagram).

3. The separated satellite signal is then fed to the decoder. The decoded satellite signal is then fed into the VCR along with the TV signal from the Triplexer. The output signal from the VCR then feeds into the TV and also back to the single outlet and onto the distribution amplifier (black lines in wiring diagram).

4. The single cable back-feed then feeds back to the input of a multi way distribution amplifier, (typically located in the loft or garage) (red lines in wiring diagram).

5. Each individual output from the distribution amplifier is then fed to the individual rooms in the house to a standard TV (single or diplexer) outlet to which the TV/VCR and/or Hi-Fi can be connected (blue lines in wiring diagram).
PIR Detector

**Description**

The Elements PIR Detector will deliver energy savings and lighting usage management in a wide range of applications. Offering effective and efficient detection for control of lighting, this stand alone solution is easy to install and program, with the additional benefit of variable time delay from 30 minutes to permanently on.

**Features**

- 16 standard finishes
- Many more customized combinations of standard colours, materials and finishes available
- Bespoke colour materials and finishes available via the Design Service
- Detection range of 8M
- Delivers energy saving by switching lights off when occupancy is not detected
- Offers safety and comfort by switching lights on when occupancy is detected
- Easy to install and program
- Time delay from 30 minutes to permanently on

**Frontplate and Module Installation**

Installation

For optimal detection and control sufficient distance (1M minimum) should be maintained between the PIR Detector and lighting fixtures in order to prevent undesirable motion detector switching. The optimal installation height is 0.8M – 1.2M. Installation in areas where excessive air movement occurs can cause false activations.

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>BOX TYPES</th>
<th>866ZIC (35mm)</th>
<th>877ZIC (47mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GANG</td>
<td>866ZIC (35mm)</td>
<td>877ZIC (47mm)</td>
</tr>
</tbody>
</table>
Elements Collection
Technical

Echo™ Transmitters

Standards and approvals
BS EN 60669-1, BS EN 60669-2-1,
ESTI EN 301 489-1 & -3, ESTI EN 61000-6-2,
ESTI EN 300 220-3, EN 60950-1

Description
The Elements Echo Transmitters are part of an innovative range of entirely wireless, batteryless and self powered switches. The Elements Echo Transmitters communicate with Echo receivers to switch mains power. Elements Echo Transmitters send an RF signal at 868.3 MHz, the unique feature of these transmitters is the signal transmission is made with no need for mains power or batteries.

TECHNICAL SPECIFICATION

Physical
- OPERATING TEMPERATURE
  -5°C + 40°C
- OPERATING FREQUENCY:
  868.3 MHz
- IP RATING:
  IP2X
- MAX INSTALLATION ALTITUDE
  2000m

Mounting Transmitters
- All transmitters can be mounted to any 1 gang back box
- All transmitters can be mounted directly to the wall surface

Features
- 16 standard finishes
- Many more customized combinations of standard colours, materials and finishes available
- Bespoke colour materials and finishes available via the Design Service
- Wireless and batteryless, using RF technology with ranges up to 30M in ideal conditions
- The transmitters are quick and easy to install with no need for cabling from the switch to the lighting circuit
- See the Echo range for available receivers

Frontplate and Module Installation

Dimensions (mm)

Standards and approvals
BS EN 60669-1, BS EN 60669-2-1,
ESTI EN 301 489-1 & -3, ESTI EN 61000-6-2,
ESTI EN 300 220-3, EN 60950-1
Roller Shutter / Blind Control

 Standards and approvals
IEC60669-1

 Description
The Elements Roller Shutter / Blind Control will operate a motor run device enabling the control of window coverings.

 Features
- 16 standard finishes
- Many more customized combinations of standard colours, materials and finishes available
- Bespoke colour materials and finishes available via the Design Service
- Easy to install

 Frontplate and Module Installation

 Installation
For optimal performance ensure the product is orientated correctly.

 BOX TYPES

<table>
<thead>
<tr>
<th>BOX TYPES</th>
<th>Flush</th>
<th>Flush (for extra wiring space)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GANG</td>
<td>866ZIC (35mm)</td>
<td>877ZIC (47mm)</td>
</tr>
</tbody>
</table>

 Dimensions (mm)

![Dimensions Diagram]
Multimedia Plates

Standards and approvals
K34209 and K34210 comply with BS 5733:2010.

TECHNICAL SPECIFICATION

ELECTRICAL
VOLTAGE RATING
250V a.c.
CURRENT RATING
13A
TERMINAL CAPACITY
Live, neutral & earth
3 x 2.5mm²
3 x 4mm²
2 x 6mm² (stranded)

PHYSICAL
AMBIENT OPERATING TEMPERATURE
-5°C to +40°C
IP RATING
IP2XD
MAX. INSTALLATION ALTITUDE
2000 metres

MOUNTING BOXES

<table>
<thead>
<tr>
<th>Combination Plate List Number</th>
<th>47mm Mounting Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>K34206</td>
<td>870ZIC</td>
</tr>
<tr>
<td>K34207</td>
<td>870ZIC</td>
</tr>
<tr>
<td>K34208</td>
<td>868ZIC</td>
</tr>
<tr>
<td>K34209</td>
<td>858ZIC</td>
</tr>
<tr>
<td>K34210</td>
<td>869ZIC</td>
</tr>
</tbody>
</table>

Description
A range of multimedia plates designed for ease of installation and having all the advantageous design features of the Elements range.

These multimedia socket outlets provide interior designers and installers with a stylish and practical wiring device solution. The range also has larger Euro module frontplates to house eight and twelve single Euro modules without the inclusion of fixed socket outlets. The K34209 multimedia socket outlet, for example allows for the inclusion of up to eight single Euro modules, which could include datacoms, telecoms, plus TV and Satellite modules.

Alternatively, Euro Power Modules i.e. German, French/Belgium and American socket outlets may be used.

Note:
- Pre-configured back boxes are designed for use with the multimedia plates. These back boxes should always be used to ensure alignment of the fixing screws is correct and proper segregation between mains and extra low voltage products is maintained (products are supplied with clip on segregators)
- Back boxes must be installed 10mm sub flush to the wall surface
- Mains operated products and extra low voltage modules must not be installed within the same frontplate aperture. Refer to BS 7671 for details
- When removing the fixing screws and frontplate from an installation to gain access to low voltage modules, please be aware that there will also be access to the mains supply

Bespoke requirements can be achieved through the MK Design Service to deliver variation in colours, materials, function, finishes and markings.

For more information please visit www.mkelectric.co.uk or call 01268 563720

Multimedia plates allow the use of a variety of power and data modules making them ideal for hotels.
Features

- 3 pin operated safety shutter
- Printed terminal markings on grey rear mouldings for clearer identification
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Switch contacts with silver contacts on both surfaces for good continuity
- Backed out and captive terminal screws on pre-fitted sockets
- Pre-configured backboxes to ensure alignment of the fixing screws is correct and proper segregation between circuits is maintained to comply with BS 7671 17th Edition wiring regulations

Installation

Elements socket outlets can only be mounted on a wall. Do not mount or use as a trailing socket or where they may be subject to excessive moisture or dampness.

Install corresponding back box 10mm sub flush to finished wall surface. Elements multimedia plates are supplied with clip on segregator.

Dimensions (mm)

- **K34206 and K34207**
  - 238 x 80 x 80

- **K34208**
  - 325.5 x 90.5

- **K34209**
  - 150.5 x 178

- **K34210**
  - 211 x 178