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## ingress protected | wiring devices

# Polycarbonate Chemical Resistance Table

## Key:

- Resistant
- Limited resistance
- Not resistant

| REAGENT                    | CONCENTRATION | RESISTANCE |
|----------------------------|---------------|------------|
| Acetic Acid, aqueous       | 40            |            |
| Acetic acid, aqueous       | 5             |            |
| Acetone                    |               |            |
| Ammonia, aqueous           | 10            |            |
| Benzene                    |               |            |
| Beverages, alcoholic       |               |            |
| Bitumen                    |               | Not tested |
| Bleaching lye, aqueous     |               |            |
| Boric Acid                 | 10            |            |
| Butanol                    |               |            |
| Butter                     |               | •          |
| Butyric acid               |               |            |
| Calcium chloride, aqueous  | 10            |            |
| Carbon tetrachloride       |               |            |
| Chlorine gas               |               | •          |
| Chlorine, aqueous solution |               |            |
| Chloroform                 |               |            |
| Citric acid, aqueous       | 10            | <b></b>    |
| Coconut oil                |               |            |
| Diesel fuel                |               | •          |
| Edible fats                |               |            |
| Edible oils                |               |            |
| Ethanol                    | 96            | <b>A</b>   |
| Ethylene acetate           |               |            |
| Ethylene ether             |               |            |
| Formaldehyde, aqueous      | 30            |            |
| Formic acid, aqueous       | 40            | •          |
| Freon, liquid              |               |            |
| Frigen, liquid             |               | <b></b>    |
| Fruit juices               |               |            |
| Fuel oil (heating)         |               | •          |
| Gas liquor                 |               | Not tested |
| Glycerine                  |               | <b></b>    |
| Glycol                     |               |            |
| Glysantine, aqueous        | 40            | Not tested |
| Hexane                     |               |            |
| Hydrochloric acid, aqueous | 2             |            |
| Hydrofluoric acid, aqueous | 40            |            |
| Hydrogen peroxide, aqueous | 10            |            |
|                            |               |            |
| Ink                        |               |            |

| REAGENT                              | CONCENTRATION | RESISTANCE |
|--------------------------------------|---------------|------------|
| Kerosene                             |               |            |
| Latic acid, aqueous                  | 10            | <b>A</b>   |
| Lavender oil                         |               | Not tested |
| Linseed oil                          |               | Not tested |
| Machine oils                         |               |            |
| Mercury                              |               | <b>A</b>   |
| Methanol                             |               |            |
| Methylene chloride                   |               |            |
| Milk                                 |               | <b>A</b>   |
| Mineral oils                         |               | <b></b>    |
| Nitric acid, aqueous                 | 2             | <b></b>    |
| Oleic acid                           |               | <b>A</b>   |
| Ozone                                |               |            |
| Paraffin oil                         |               | <b>A</b>   |
| Peppermint oil                       |               | Not tested |
| Perfumes                             |               |            |
| Petrol (gasoline)                    |               |            |
| Phenol, aqueous                      |               |            |
| Phosphoric acid, aqueous             | 10            |            |
| Potassium hydroxide solution, aqueou | us 5          |            |
| Potassium hydroxide solution, aqueou | us 50         |            |
| Rose oil                             |               | •          |
| Salt solution, household, aqueous    | 10            | <b>A</b>   |
| Silicon oils                         |               | <b>A</b>   |
| Soap solution, aqueous               |               | <b>A</b>   |
| Soda solution, aqueous               | 10            | <b></b>    |
| Sodium hydroxide solution, aqueous   | 10            |            |
| Sodium, aqueous                      | 10            | Not tested |
| Sulphur                              |               | <b>A</b>   |
| Sulphuric acid, aqueous              | 10            | <b>A</b>   |
| Tallow                               |               | <b>A</b>   |
| Tar                                  |               | <b>A</b>   |
| Tetrachloroethene                    |               |            |
| Toluene                              |               |            |
| Trichlorethane                       |               |            |
| Vaseline                             |               |            |
| Water                                |               | <b></b>    |
| Water, hot (80°C)                    |               | •          |
| Wax, melted                          |               | Not tested |
| Xylene                               |               |            |



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# 13 Amp Socket Outlets

#### Standards and approvals

Socket outlets comply with BS 1363 Part 2: 1995

All products allow compliance with BS 7671: 2008 when correctly installed.

#### **Technical specification**

#### Electrical

Voltage rating: 250V a.c.

Current rating: 13A per socket outlet

Terminal capacity: Live, neutral & earth 3 x 2.5mm 3 x 4mm<sup>2</sup>

2 x 6mm<sup>2</sup> (standard)

#### Physical

Ambient operating temperature: 0°C to +40°C

IP rating: IP56

Max. installation altitude: 2000 metres





#### Description

A range of sockets outlets specifically designed for use outdoors or in areas heavily exposed to dust and/or splashing water. Constructed from extremely robust polycarbonate, the range is sealed to IP56 against dust, water and is impact resistant and will completely protect virtually any 13 amp plug\* allowing safe connection to any appliance.

\*When in doubt, please use an MK 13A plug or Duraplug.

#### Boxes

Rear entry back boxes (56504, 56505) are to be used in surface mounted situations or flush mounting when used with Flush Mounting Bezels

#### Ingress protection

of water, small particles any direction

6

Waterproof

to strong jets

(56502, 1 gang / 56503, 2 gang). These boxes

must also be used if cable or conduit enters the

Each digit in the IP (Ingress Protection) rating

denotes resistance to dust and water. The

Masterseal IP56 rating breakdown is as follows:

Dustproof

to sawdust.

dust and other

enclosure from the rear.

**IP56 Protection** 

IP

#### **Features**

- IP56 protected to BS EN 60529: 1992
- Winner of Electrical Review ٠ industry awards
- Ideal for gardens, workshops, industry, ٠ farm buildings, ponds and pools etc.
- Easy to install: captive, backed out terminal screws, clearly marked top facing terminals, push fit knockouts and conduit entries
- Smooth, curved design is aesthetically pleasing and adds to strength
- Special gel seal gives complete protection
- Most products are available in grey or white enclosures to suit installation
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m

• 3 pin operated safety shutter on 13 Amp socket

5

- 3mm minimum switch contact gap
- Additional electrical safety from neutral . 'make first, break last' feature
- Moulded 'on' indicator flash on switches will not rub off - totally safe
- Printed terminal markings on grey rear • mouldings for clearer identification
- Top access, angled terminals make wiring easier and quicker
- Double pole switching
- Switch contacts with silver contacts on • both surfaces for good continuity
- Backed out and captive terminal screws



### ingress protected wiring

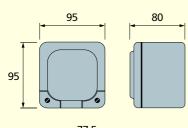
wiring devices

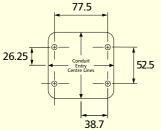
625

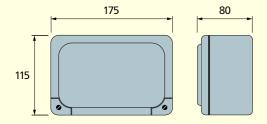
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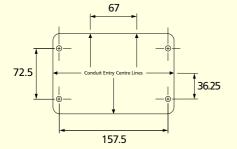
### Dimensions (mm)



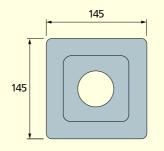


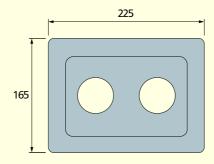




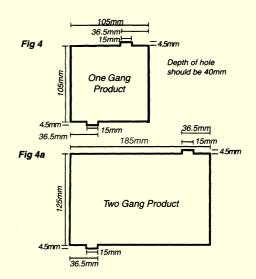


### **Flush Mounting Bezels**





#### **Flush Mounting Frames**





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## **Timer Socket Outlet**

#### Standards and approvals

Socket outlet complies with BS 1363 Part 2: 1995.

Enclosure conforms to BS EN 60529 IP56

Timer module complies with IEC 60730-1 IEC 60730-2-7, EN 55014 -1: 2000, EN 55022, EN 61000-3-2, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11

| Technical specification   | า  |
|---|--|
| Electrical  |  |
| Supply Voltage<br>Supply frequency<br>Current rating for socket outlet              | 230V a.c.<br>50Hz<br>(RESISTIVE) 13A                                     |
| Terminal capacity   |  |
| Supply Line, Neutral and Earth  | 3 x 2.5mm <sup>2</sup><br>3 x 4 mm <sup>2</sup><br>2 x 6 mm <sup>2</sup> |
| Physical  |  |
| Ambient operating temperature<br>IP rating: IP56<br>Max_installation altitude: 2000 | 5  |

#### Features

- Single 13A rated socket switched via the Single Pole timer module
- Weekly Electronic Timer
- 24 hour clock
- Multi-function Liquid Crystal Display (LCD)
- 6 ON/OFF programmes per day
- Individual day selection as well as 4 block day selections
- Supplied with a LOOP terminal in the back box, which has 5 entries for cables
- Override button to switch the load ON/ OFF directly, bypassing the timer
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m



#### Description

This socket outlet, switched by a single pole timer module is specifically designed for use outdoors or in areas heavily exposed to dust and/or splashing water. Constructed from extremely robust polycarbonate, the product is sealed to IP56 against dust, water and is impact resistant. The product ensures a very high degree of protection for virtually any 13A plug\* to BS 1363, allowing safe connection to electrical appliances, which can be switched on and off at pre-determined times.

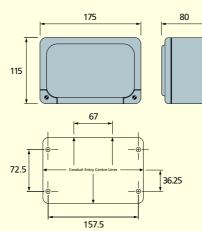
#### Timer module

The product employs an electronic timer module, which switches the Supply Line to the socket outlet, via a single pole relay. 6 ON/OFF cycles per day can be programmed via the buttons on the face of the timer module. Days in the week can be set individually or set to repeat in 4 separate blocks as follows:

- 1. Monday to Friday
- 2. Saturday and Sunday
- 3. Monday to Saturday
- 4. Monday to Sunday

An Override button is available to switch the load ON/OFF directly, bypassing the timer.

#### Dimensions (mm)



#### **Flush Mounting Bezel**

Boxes

IP

Ingress

protection

Rear entry back box (56505) are to be used in

surface mounted situations or flush mounting

when used with Flush Mounting Bezel (56503).

These boxes must also be used if cable or conduit

Each digit in the IP (Ingress Protection) rating

denotes resistance to dust and water. The Masterseal IP56 rating breakdown is as follows:

6

Waterproof to strong jets

any direction

of water,

\* When in doubt, please use an MK 13A plug

Dustproof

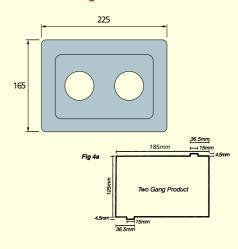
to sawdust,

dust and other

small particles

enters the enclosure from the rear.

**IP56** Protection





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## Sentrysocket

#### **Compliance with EC Directives,** Standards and approvals

All Sentrysockets comply with the following EC Directives and are CE marked: Low Voltage Directive Electromagnetic Compatibility Directive (89/336/EEC)

Sentrysocket RCD Single Sockets also comply with the requirements of the following standards: BS 7288: 1990 BS EN 50082-1: 1992

Sentrysocket RCD Double Sockets also comply with the requirements of the following standards: BS 7288: 1990 BS EN 61543: 1996

#### **Technical specification**

#### Electrical

Rated Voltage 240V a.c.

Current rating: 13A resistive

Rated tripping current:

Terminal capacity: 3 x 4mm<sup>2</sup>

#### Physical

30mA

Ambient operating temperature:  $0^{\circ}$ C to  $+40^{\circ}$ C

IP rating IP56

Max. installation altitude 2000 metres

#### Features

- Suitable for most residential, commercial and light industrial applications
- Active and passive control circuit applications
- Comply fully with current Wiring • Regulations if installed correctly
- Double pole switching ۲
- Flexible and versatile in use
- Ideal for use with equipment subject to . wet weather or high humidity
- They are a.c. and pulsating d.c. fault current sensitive





#### Description

Sentrysocket provides a high level of protection for portable equipment when used in damp environments or outdoors.

#### Active control circuits

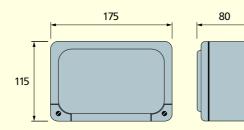
Incorporate a 'Re-set' mechanism and are mains failure sensitive, ie they will function under all the normal conditions expected of an RCD, but will also trip in the event of a power cut or a sudden, dramatic reduction in mains voltage. This makes them ideal for use where it would be hazardous for equipment to suddenly energise after return of mains power, such as use with rotating machinery and heat developing apparatus.

#### Passive control circuit

Incorporates a 'Stay-set' mechanism and is mains failure proof, ie it will function under all the normal conditions expected of an RCD and will not trip in the event of a power cut. This makes it suitable for use with freezers or in inaccessible or unmanned locations.

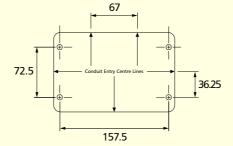
#### **Dimensions (mm)**

Single and double sockets are identical in size and shape. The following dimensions apply



Masterseal Sentrysocket is suitable for

#### **Fixing Dimensions**



surface mounting only.



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# 16A 2P+E German Socket Outlet

#### Standards and approvals

Complies with IEC 60884-1: 2006

## Technical specification

Electrical

Voltage rating: 250V a.c.

Current rating: 16A

Terminal capacity: Live, neutral & earth 4 x 1.5mm<sup>2</sup> 2 x 2.5mm<sup>2</sup>

#### 1 x 4mm<sup>2</sup> Physical

Ambient operating temperature:

0°C to +40°C (not to exceed an average of more than 25°C in any 24 hour period) IP rating:

IP56

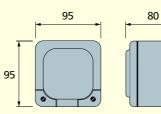
Max. installation altitude: 2000 metres

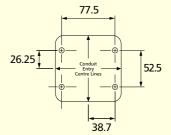
| IP                    | 5   | 6   |
|-----------------------|---|---|
| Ingress<br>protection | Dustproof<br>to sawdust,<br>dust and other<br>small particles | Waterproof<br>to strong jets<br>of water, from<br>any direction |



Masterseal 16A 2P + E German socket outlet is suitable for surface mounting only.

#### **Dimensions (mm)**







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of 40cm.

Boxes

the rear.

wiring devices

## **Connection Units**

#### Standards and approvals

nical specificat

All Masterseal Connection Units comply with BS 1363 Part 4: 1995. All units are fitted with a 13A fuse link to BS 1362.

| rechnical sp  | Seemeation  |  |
|---|---|--|
| Electrical  |   |  |
| Voltage rating:<br>250V a.c.  |   |  |
| Current rating:<br>Connection units – 13 amp  |   |  |
| Terminal capacity:  |   |  |
| Supply terminal:  | 2 x 6mm <sup>3</sup> stranded<br>3 x 4mm <sup>2</sup><br>3 x 2.5mm <sup>2</sup><br>3 x 1.5mm <sup>2</sup> |  |
| Load terminals:   | 1 x 1.5mm <sup>2</sup>  |  |
| Physical  |   |  |
| Ambient operating temperature: $-5^{\circ}$ C to $+40^{\circ}$ C (not to exceed an average of more than 25°C in any 24 hour period) |   |  |
| IP rating:<br>IP56  |   |  |
| Max. installation altitude:<br>2000 metres  |   |  |

#### Features

- IP56 protected to BS EN 60529: 1992
- Winner of Electrical Review industry awards
- Ideal for gardens, workshops, industry, farm buildings, swimming pools etc.
- Easy to install: captive, backed out terminal screws, clearly marked top facing terminals, push fit knockouts and conduit entries
- Smooth, curved design is aesthetically pleasing and adds to strength
- Special gel seal gives complete protection
- Switches have silver contacts
- Screw fitted fuse carrier
- Fuse carrier lockable in open position
- Captive fuse carrier
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m



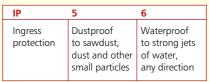
#### Description

Masterseal connection units are specifically designed for use outdoors or in areas heavily exposed to dust and/or splashing water. Constructed from extremely robust polycarbonate, the range is sealed to IP56 against dust, water and is impact resistant and will completely protect and provide a safe connection to any appliance.

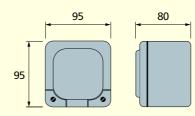
#### **IP56 Protection**

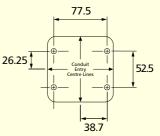
Each digit in the IP (Ingress Protection code) rating denotes resistance to dust and water. The Masterseal IP56 rating breakdown as is follows:

#### Impact Resistance



#### **Dimensions (mm)**





#### Installation

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

All Masterseal products have an impact resistance

equivalent to a 500g object falling from a height

Rear entry back boxes (56504) are to be used

in 'tamper proof' surface mounted situations or

flush mounting when used with Flush Mounting

Bezels (56502). These boxes must also be used

if cable or conduit enters the enclosure from



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## **Switches**

#### Standards and approvals

Switches and enclosures comply with BS EN 60669-1: 2000 and are IP56 for BS EN 60529: 1992.

20A Switch modules comply with BS EN 60669-1: 2000.

10A Switch modules comply with BS EN 60669-1: 2000.

All products comply with or allow compliance with BS 7671: 2008.

#### **Technical specification**

#### Electrical

Voltage rating: 250V a.c., 50 Hz

Current rating: 10 or 20 amps – no derating when used on fluorescent or inductive loads.

Load type: No resistriction

#### Physical

Ambient operating temperature:  $0^{\circ}C$  to  $+40^{\circ}C$ 

IP rating: IP56

Max. installation altitude: 2000 metres

#### Features

- IP56 protected to BS EN 60529: 1992
- Ideal for gardens, workshops, industry, farm buildings, ponds and pools etc.
- Large, easy to use rocker switches
- Wide range of switch modules and accessories make Masterseal versatile
- Easy to install: captive, backed out terminal screws, clearly marked top facing terminals
- Switch modules snap into position
- Smooth, curved design is aesthetically pleasing and adds to strength
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m



#### Description

**IP56 Protection** 

A range of switches and enclosures specifically designed for use outdoors or in areas heavily exposed to dust and/or splashing water. Constructed from extremely robust polycarbonate, the range is sealed to IP56 against dust, water and is impact resistant. Masterseal is easy to install and the large rocker switches and clip in modules make it easy to use, even when wearing heavy gloves.

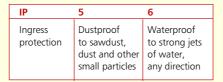


#### Impact Resistance

All Masterseal products have an impact resistance equivalent to a 500g object falling from a height of 40cm.

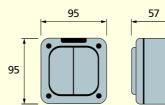
#### Boxes

Rear entry back boxes (56504) are to be used in surface mounted situations or flush mounting when used with Flush Mounting Bezels (56502). These boxes must also be used if cable or conduit enters the enclosure from the rear.

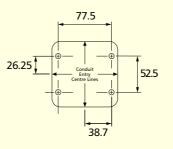


Each digit in the IP (Ingress Protection) rating denotes resistance to dust and water. The Masterseal IP56 rating breakdown is as follows:

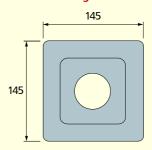
#### **Dimensions (mm)**



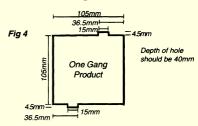
#### **Fixing dimensions**



#### **Flush Mounting Bezel**



#### **Flush Mounting Frame**





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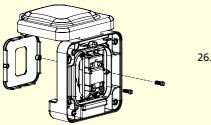


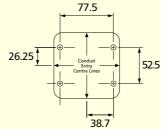
#### **Customer Configurable Grid – 56414**

- 1 Up to two wiring device modules may be selected from the MK Grid Plus modular range and fitted to the configurable grid enclosure.
- 2 If a TV outlet is to be fitted in combination with a mains voltage device, then it is essential that the cabling and modules are isolated from each other.
- 3 Grid modules are assembled into the front face of the front plate and clip firmly into position.
- 4 Two bezel mouldings are supplied. Select the appropriate bezel depending on whether one or two modules are fitted, locate in position and secure with the two screws provided as shown in Figure 1.

#### Figure 1

#### **Fixing dimensions**







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# Photo Electric (Dusk/Dawn) Switch

#### Standards and approvals

IEC 60669-2-1 IP56 to BS EN 60529: 1992 BS EN 50081-1, BS EN 50082-1

#### **Technical specification**

Voltage Rating: 230V a.c. 50Hz

Current Rating: Single pole 6 amp resistive 1000W Tungsten GLS 1000W Tungsten Halogen 1200W Fluorescent (without PF correction). 100  $\mu$ f max. load capacitance.

NOMINAL LIGHT LEVEL THRESHOLDS: 25 lux ON, 40 lux OFF

Optional timer adjustable from 1-15 hours (nominal)

#### **Features**

- IP56 protected to BS EN 60529: 1992
- Ideal for gardens, workshops, industry, farm buildings, ponds etc.
- Photo electric switch will automatically switch on at dusk and off at dawn
- Switch modules snap into position
- Smooth, curved design is aesthetically pleasing and adds to strength
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m



#### Description

Masterseal photo electric switch will automatically switch on at dusk and off at dawn. Alternatively, an optional user adjustable time period can be used to switch the load OFF before dawn, if required.

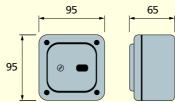
This product is not suitable for use with low energy, compact, fluorescent lamps.

#### **IP56 Protection**

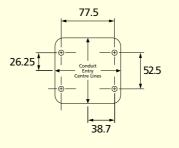
Each digit in the IP (Ingress Protection) rating denotes resistance to dust and water. The Masterseal IP56 rating breakdown is as follows:

| IP                    | 5   | 6 |
|-----------------------|---|---|
| Ingress<br>protection | Dustproof<br>to sawdust,<br>dust and other<br>small particles |   |

#### Dimensions (mm)



#### **Fixing dimensions**



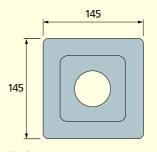
#### Impact Resistance

All Masterseal products have an impact resistance equivalent to a 500g object falling from a height of 40cm.

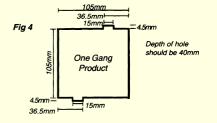
#### Boxes

Rear entry back boxes (56504) are to be used in surface mounted situations or flush mounting when used with Flush Mounting Bezels (56502). These boxes must also be used if cable or conduit enters the enclosure from the rear.

#### **Flush Mounting Bezel**



**Flush Mounting Frame** 





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# Euro Enclosure and Telephone and Data Modules

#### Standards and approvals

Telephone sockets K5820 and K5821 comply with the following: BS 6312: 2.2, OFTEL Approval NS/G/23/L/100005.

K5844/K5845/K5845s comply with BS EN 50173, IEC 11801, TIA/EIA 568A and TIA/EIA TSB40A.

K5887 complies with FCC68.

#### **Technical specification**

Installation tools required IDC Connectors (telephone & RJ45 outlets)

#### Electrical

Cable types: Telephone: CW1311, CW1293, CW1308, CW1316

No. of cables per termination: Telephone: 2 RJ11/12: 1 RJ45: 1

Termination type: IDC

#### Physical

Temperature range Ambient air 0°C to +40°C

IP rating: IP56 (enclosure)

Max. installation altitude: 2000 metres

#### **Features**

- IP56 data and telecoms protection
- Meet all relevant BS, OFTEL and cabling standards
- Interchangeable modules clip into enclosure
- Can be specified for all applications
- Impact resistance all Masterseal products have impact resistance equivalent to a 500g object falling from a height of 400m

#### MODULE DIMENSIONS(mm)

25 x 50

| IP                    | 5   | 6  |
|-----------------------|---|--|
| Ingress<br>protection | Dustproof<br>to sawdust,<br>dust and other<br>small particles | Waterproof<br>to strong jets<br>of water,<br>any direction |





#### Description

A range of Euro telephone, data and blank modules and weatherproof enclosure. Enclosure accommodates 2 modules providing care is used to ensure that the cables are correctly routed through the outlet.

#### 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)

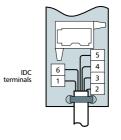
MK insertion tool List No. 400 or 22630. Wire pull-out force: 10.5 Newtons when installed correctly.

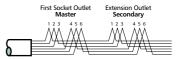
#### Wiring regulation restrictions

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

#### **BT Wiring Scheme** 1 GREEN / white

- 2 BLUE / white
- 3 ORANGE / white
- 4 WHITE / orange
- 5 WHITE / blue
- 6 WHITE / green
- Note: Main wire colour is shown in capitals

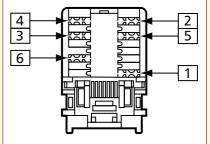




#### RJ11/12 Wiring Scheme

| PIN<br>NO.  | STRIPPED COLOUR<br>WIRE                         | SOLID COLOUR<br>WIRE  |
|-------------|---|-----------------------|
| 1<br>2<br>3 | WHITE / green<br>WHITE / orange<br>BLUE / white | White<br>Black<br>Red |
| -           |   |                       |
| 4           | WHITE / blue                                    | Green                 |
| 5           | ORANGE / white                                  | Yellow                |
| 6           | GREEN / white                                   | Blue                  |

Note: Main wire colour is shown in capitals



FOR RJ45 WIRING DIAGRAM, PLEASE REFER TO LOGIC PLUS **TECHNICAL SECTION, PAGE 402** 



## wiring devices | ingress protected

# Socket Outlets / Switches

#### **INSTALLATION OPTIONS**

### Flush mounting for plaster/tiled walls



Ideal for environments where hygiene is paramount, for example, hospitals and kitchens.

The Flush Mounting Frame is provided with spacers which are used to adjust the height of the box depending upon the depth of plaster, tiling or rendering to be applied to the mounting surface.







#### Surface mounting for rear entry





This option is for use in 'tamperproof' environments e.g. schools and public areas.

For this application the cable or conduit enters the Masterseal enclosure from the rear only (there are no side entries).





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#### Flush mounting for any finished surface



The bezel provides an alternative method of flush mounting in areas where hygiene is important e.g. food preparation areas.

This bezel can be used on any finished surface e.g. brick or cavity walls. The bezel should be used in conjunction with the rear entry back box.

#### Surface mounting for side entry conduit





The basic Masterseal unit comes complete with a standard surface mounting back box. This enables top, bottom or side entry for the cable or conduit.







