Wiring Devices Technical

Sentrysocket

Compliance with EU Directives, Standards and approvals

All Sentrysockets comply with the latest EU Directives and are CE marked:

Low Voltage Directive
Electromagnetic Compatibility Directive

RoHS Directive

Sentrysocket complies with the requirements of the following standard:

BS 7288:2016
EN61543:1995+A12:2005, A2:2006

TECHNICAL SPECIFICATION

ELECTRICAL

RATED VOLTAGE
230 - 240V a.c.

CURRENT RATING
13A resistive
Rated tripping current 30mA

TERMINAL CAPACITY
1 x 6mm²
2 x 4mm²
3 x 2.5mm²

PHYSICAL

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

IP RATING
IP2XD
IP66 (K56201/K56231/K56233)

MAX. INSTALLATION ALTITUDE
2000 metres

Sentrysockets are not suitable for connection across two lines of a 127V line to Neutral Voltage System

Cable management

Logic Plus™, Albany Plus™ and Metalclad Plus™ Sentrysockets can be mounted in a variety of MK trunking systems.

Description

Sentrysocket provides a high level of protection against electrocution and gives further protection when used with appliances vulnerable to insulation damage, particularly when they are in damp environments or outdoors. Masterseal Plus™ Sentrysocket units are suitable for mounting in damp environments or outdoors.

Sentrysocket, incorporating an RCD, is part of a complete range of fixed and portable wiring devices suitable for use in domestic, commercial and light industrial applications.

Active control circuits

Incorporate a 'Re-set' mechanism and are mains failure sensitive, i.e. 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 circuits

Incorporate a 'Stay-set' mechanism and is mains failure proof, i.e. 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.

FEATURES

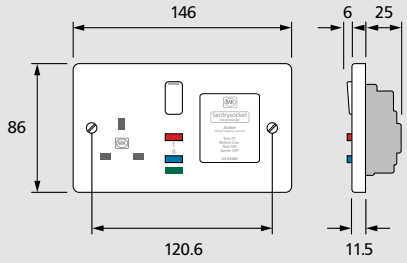
- Suitable for most residential, commercial and light industrial applications
- Active (blue reset button) and passive (grey reset button) control circuit applications
- Flexible and versatile in use
- Incorporating double pole RCD
- Masterseal Plus products are ideal for use with equipment subject to wet weather or high humidity
- They are a.c. and pulsating d.c. sensitive for residual current
- Enhanced RF Immunity performance

Sentrysockets products can be wall or bench mounted. Do not mount or use as a trailing socket or where they maybe subject to excessive moisture or dampness.

Sentrysocket

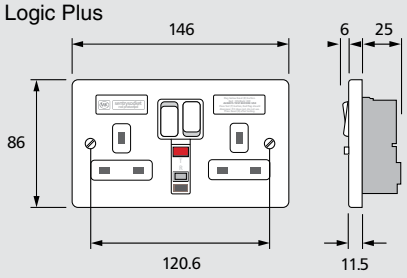
Dimensions (mm)

Single socket

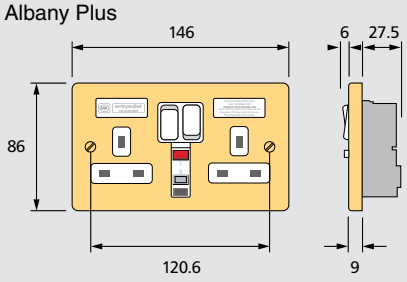


Double socket

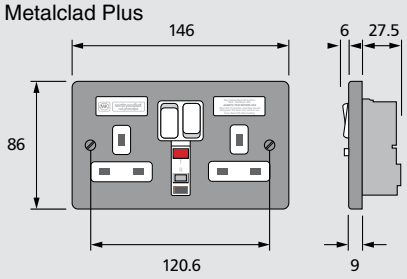
Logic Plus



Albany Plus



Metalclad Plus



Installation

Flush mounting steel wall box

It should be noted that some of the conduit entries may be restricted, depending upon their positions and the depth of box used.

Socket Testing

After installation, turn the mains electricity supply on.

To test that the Sentrysocket is functioning correctly follow the steps 1 to 4 below:

1. Ensure that no appliance is connected to the Sentrysocket.
2. **Reset** – Press the button marked R (for Reset) – the contact status indicator should show red, indicating that the socket outlets are now live (if the switches are in the ON positions).
3. **Test** – Press the TEST button marked T (for Test), the product should trip with the contact status indicator showing green. In this state the device is safe with supply to the appliance switched off.
4. **Reset** – Press the button marked R again, the contact status indicator should show red.
5. Connect an RCD Tester to either socket outlet and ensure that the Sentrysocket trips with the specified times below:
   ≤ 200 ms AT RATED TRIP CURRENT
   ≤ 40 ms AT 5 x RATED TRIP CURRENT
6. Reset the Sentrysocket as in step 2 above.
7. Switch off the Mains Supply Switch Disconnector.
8. A Sentrysocket with Active Control Circuit should trip while a Sentrysocket with Passive Control Circuit should not trip.

If all the operations in steps 2 to 8 above give correct results, the Sentrysocket RCD socket outlet is safe to use.

If the procedures in steps 2 to 8 above are not completed correctly, do not use the Sentrysocket product and seek professional advice or contact the MK Technical Sales and Service department on +44 (0)1268 563720 or mk.technical@honeywell.com.