–PowerBreaker–

Installation/Operating Instructions for Safety RCD Twin Switched Socket Skeleton
MODEL NO - K22S-WP

IMPORTANT – FOR YOUR PROTECTION.

Electricity is dangerous and an RCD must not be used as a substitute for normal precautionary measures. Always unplug from mains supply before any inspection or repair to equipment. Do not allow children to tamper with electrical devices.

This device will protect against live and neutral leakage faults to earth, it will not protect against electric shock due to contact with both conductors, short circuits between live and neutral, or a fault in the wiring supplying this device.

Should your PowerBreaker RCD socket, trip when first powered, repeatedly trip with an appliance connected or fail to trip when tested in accordance with the instructions, Do Not Use, **please consult a qualified Electrician**. Type A RCDs are suitable for use with single phase supplies and applications with electronic components, they are also suitable for type AC RCD applications with Resistive, Capacitive, Inductive loads generally without any electronic components.

Type AC RCD should not be fitted upstream of a Type A as the load characteristics of a Type A RCD could then impair operation of the Type AC RCD.

INSTALLATION

TO FIT THIS POWERBREAKER RCD SWITCHED SOCKET - ***This product is designed for panel mounting.***

To install please follow details below using the easy to follow wiring diagram Fig.1.

1. Cut out panel - **Please see overleaf for a scale drawing of the skeleton socket.**
2. Mount unit on rear face with screws/weld studs as required.
3. On final assembly stick test label (Fig.2) on front face plate close to operating buttons, and warning label (Fig.3) close to socket for wiring insulation tests.
4. This unit should only be operated with front panel in place.

If earth conductors are bare, they must be sleeved with appropriate green/yellow sleeving. If you are in any doubt about connecting this product consult a qualified electrician.

Note: Green/yellow earth wire may be connected to either earth terminal. Wiring insulation tests should be completed before setting the PowerBreaker RCD Socket to avoid misleading instrument readings and possible internal damage to the unit.

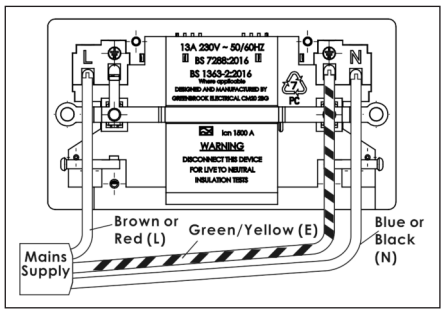

Fig.1

Test each time before use.
Press test button, Red indicator should disappear.
If not do NOT use.
30mA trip Current | IP40 | Red-On Green-Off

Fig.2

This label to be fixed to the consumer unit.
PEEL HERE
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IMPORTANT
DISCONNECT POWERBREAKER RCD UNIT PRIOR TO WIRING INSULATION TESTS

Fig.3

TEST PROCEDURE

PLEASE CARRY OUT THIS SIMPLE TEST PROCEDURE PRIOR TO EACH USE.

1. Press the white ON button.
2. The clear window indicator around the white button will turn red and illuminate*.
3. Press grey Test button (T).
4. Red window indicator and illumination will disappear*. This means the RCD has tripped successfully.
5. To reset – press white ON button and use as a normal socket.
6. Green indicates off.

* ***If indicator fails to work, do not use.***

NOTE 1: If the red window indicator disappears once the socket has been reset and appliance is firmly plugged in the socket, this may mean that the appliance or the cable lead is faulty, and should be checked by a qualified electrician.

NOTE 2: Remove this RCD from circuit before performing any high voltage insulation tests.

This socket has been designed for storage and use between -5°C and +40°C and at an altitude of no greater than 2000 metres above sea level. Care must be taken not to subject the unit to misuse, such as abnormal pollution by smoke, chemical or flammable fumes, salt laden spray, prolonged periods of high humidity or other abnormal conditions.

UK CA CE

Guarantee
Your PowerBreaker Safety RCD Skeleton Socket is guaranteed for 3 years.
Each unit is individually tested before leaving the factory.

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TYPE A

TECHNICAL INFORMATION	
Rated voltage:	230V AC~50Hz
Maximum operating current:	13A (13A inductive)
Rated trip current:	30mA
Trip speed:	Less than 20mS (typical)
RCD contact break:	Double pole
Mechanical latching:	Passive
Degree of protection:	IP40
Rated Short-circuit breaking and making Capacity:	250A
Rated conditional short-circuit current:	1500A Power factor Range .93 to .98
Terminal capacities:	Upto 3 x 1.5mm² / 3 x 2.5mm²
Independently tested to:	BS 7288:2016+A1:2022 BS 1363-2:2016+A1:2018

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TEMPLATE

Scale drawing of the PowerBreaker skeleton Model K22S-WP, this line drawing can be photocopied and used as a template, but must be checked for correct dimensions before cutting plate.

PLEASE NOTE:

1. Cut Out Tolerances +/- 0.1mm.
2. Maximum panel thickness 1.6mm.

For socket mounting - use screws/weld studs, Always ensure mountings and plate are fully earthed.