

# TYPE A RCD SOCKETS

White 30mA	Metal 30mA	White 10mA	Metal 10mA
H22-WP	H22-MP	-	-
K21-WP	K21-MP	K21-WP10	K21-MP10
K22-WP	K22-MP	K22-WP10	K22-MP10

powerbreaker

PRO SERIES by GREEN BROOK

## IMPORTANT - For your protection

This product should be installed by a competent person and in accordance with the current IET Wiring Regulations.  
If in doubt, consult a qualified electrician.

Electricity is dangerous and an RCD must not be used as a substitute for normal precautionary measures. Always disconnect 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.

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.

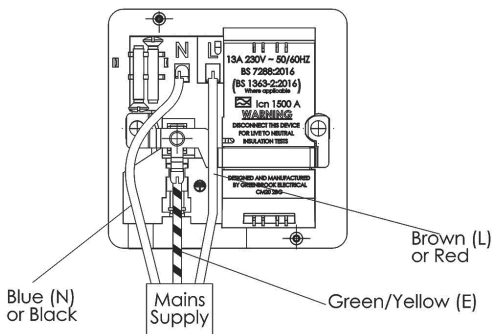
## TO FIT THIS POWERBREAKER SAFETY RCD SOCKET -

1. Switch off the power supply at the mains.
2. Fit metal back box then simply connect the socket using the easy to follow wiring diagram.

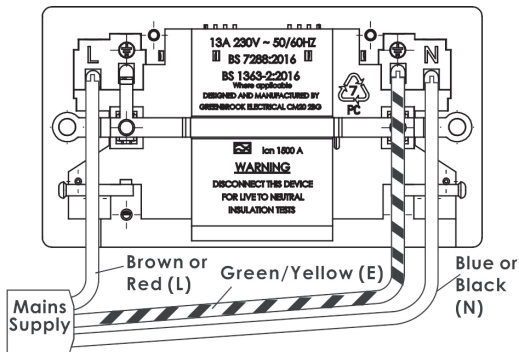
**N.B.** Green/yellow earth wire may be connected to either earth terminal. Wiring insulation tests should be completed before setting the powerbreaker RCD Socket to avoid misleading instrument readings and possible internal damage to the unit.

**NOTE: Metal back box should be earthed**

### 1 Gang Socket



### 2 Gang Socket



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

1. Press White ON button.
2. Clear window indicator around 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.

### TECHNICAL INFORMATION

Rated voltage:	230V AC~50Hz
Maximum operating current:	13A (13A inductive)
Rated trip current:	
H22-WP / H22-MP	30mA
K21-WP / K22-WP/ K21-MP /K22-MP	30mA
K21-WP10 / K22-WP10 / K21-MP10 / K22-MP10	10mA
Rated 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
Cable Capacities:	Upto 3 x 1.5mm <sup>2</sup> / 3 x 2.5mm <sup>2</sup>
Dimensions:	
Single White Sockets:	86.5 x 86.5 x 12mm
Twin White Sockets:	147.5 x 86.5 x 12mm
Dimensions:	
Single Metalclad Sockets:	86 x 86 x 49mm
Twin Metalclad Sockets:	147.5 x 86.5 x 49mm
Independently tested to:	BS 7288:2016+A1:2022 BS 1363-2:2016+A1:2018

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.

**NOTE:****Product & Packaging Disposal**

When disposing of this item and its packaging please follow local regulations and use an appropriate waste disposal centre.

See GreenBrook website for further details.

**GUARANTEE**

Your powerbreaker RCD socket  
is guaranteed for 3 years from  
the date of purchase.

This is in addition to your statutory rights.

**PLEASE KEEP THESE INSTRUCTIONS  
SAFE FOR FUTURE REFERENCE**