

## INSTALLATION/OPERATING INSTRUCTIONS FOR -PowerBreaker- SAFETY RCD SINGLE SWITCHED SOCKET SKELETON MODEL NO - K21SPA

### 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.

### 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.

**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.

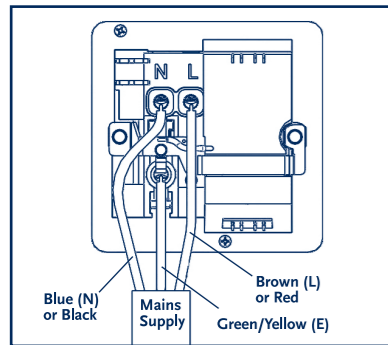


Fig.1

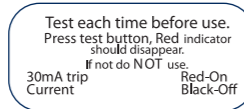


Fig.2

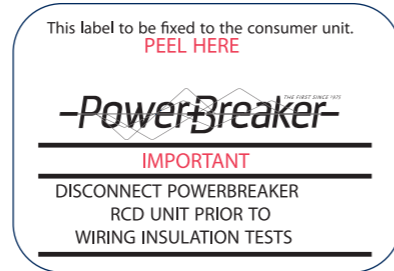


Fig.3

### TEST PROCEDURE

**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.
- \* If indicator fails to work, do not use and return to place of purchase.

**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:	30mA
Trip speed:	less than 20mS (typical)
RCD contact break:	Double pole
Mechanical Latching:	Passive
Independently tested to:	BS 7288:1990 BS 1363-2:1995 BS EN 61543:1995

**GUARANTEE**  
Your PowerBreaker Safety RCD Skeleton Socket is guaranteed for 12 months.  
Each unit is individually tested before leaving the factory.



### TEMPLATE

Scale drawing of the PowerBreaker skeleton Model K21SPA, 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.**

