

# **-PowerBreaker-**

## **Installation/Operating Instructions for 16 Amp 230V In-line Portable RCD**

### **Model Number: J62-T**

PowerBreaker J62-T is a two pole in-line portable RCD, designed for use in commercial and industrial environments where rough handling is expected. The water resistant casing of the unit is rated at IP65 (IEC 61540).

## **WIRING**

***This unit should be installed to current IET wiring regulations if in doubt consult a qualified electrician.***

This product should be wired with 1.5mm<sup>2</sup> 3 core flexible cable (BS6500). Connect cable to the input and output terminals, ensuring that the following is observed.

- Live/Brown to Brown wire terminal
- Neutral/Blue to Blue wire terminal
- Earth Green/Yellow to Green/Yellow Terminal

Ensure that there are no loose strands of wire. To ensure the IP rating, terminals and cover should be sealed with the supplied sealant.

## **IMPORTANT**

- When fitting plugs, sockets or connectors follow the accessory manufacturer's instructions ensuring that the live, neutral and earth (if any) cores are connected correctly and the outer covering of the cable is firmly secured.
- The plug on the appliance should be fused in accordance with the appliance manufacturer's instructions.
- To maintain the IP65 weather proof rating of the device, plugs, sockets and connectors of an equivalent rating must be used.

## **INSTRUCTIONS**

Please carry out the simple test procedure prior to each use.

- Insert plug into power socket outlet.
- Press and release reset button - the red indicator should appear in the window.
- Press the test button - the red indicator should disappear. This means the RCD has tripped successfully, cutting off the power from the RCD.
- Now press and release the reset button again, the unit is ready for use.

If the red indicator fails to work as described above, do not use.

## **WARNING**

### **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.
- Should your PowerBreaker repeatedly trip with an appliance connected, or fail to trip when tested, seek advice immediately from a competent electrician.
- This device will protect against live and neutral 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.

## IMPORTANT

After installing the leads to the terminals apply RTV over three terminals and any exposed conductors covering all bare metal and PVC insulated inner wires (Brown,Blue, Green/Yellow). Apply RTV silicon rubber sealant over the INPUT terminals by squeezing the tube of RTV over the wiring compartment. The coating thickness should be at least 3mm. Use the entire contents of the tube then discard the empty tube.

Repeat the RTV application using the 2nd tube of RTV for the OUTPUT terminals.

### Only use supplied and approved RTV

The strain relief cover should be installed immediately without waiting for the RTV to cure. The cure time at room temperature is approximately 24 hours. The PRCD may be used as soon as the strain relief cover is secured.

**CAUTION:** RTV irritates eyes, RTV may irritate nose, throat and respiratory tract. RTV may cause allergic skin sensitivity. Avoid contact with RTV. Avoid prolonged breathing of RTV vapours. Avoid prolonged or repeated skin contact with RTV, wipe off RTV and if RTV comes in contact with the eye, flush with water immediately. During use of RTV Methanol is released. Keep RTV out of use of children.

- Perform the following step for both INPUT line and OUTPUT load sides of the unit. Locate the strain relief cover over the two screw posts and insert both screws. While alternating between the strain relief screws gradually tighten the strain relief while holding the outer jacket of the wire fully into the unit until it is held securely.

### **Note:**

**The PowerBreaker Safety In-line Portable RCD has been designed for storage and use between -5°C and +40°C at an altitude no greater than 2000m above sea level. Care must be taken not to subject your PowerBreaker to abnormal pollution by smoke chemical or flammable fumes, salt laden spray, prolonged periods of high humidity, immersion, repeated dropping, or any other abnormal conditions.**

### TECHNICAL INFORMATION

Rated voltage:	230V AC
No of Poles:	2
Rated Current:	16 Amps (4 amps inductive load)
Rated Tripping Current:	30 mA
Frequency:	50/60Hz
Environmental Protection Rating:	IP65
Conforms to:	IEC 61540

## GUARANTEE

Your PowerBreaker 16A In-line RCD is guaranteed for 12 months from the date of purchase.

This does not affect your statutory rights.

**Please keep these instructions for future reference.**

### INSTALLER

- Please pass instruction manual onto the owner of the unit

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