

# -PowerBreaker-

## RCCB Range - Information Sheet

(Residual-Current Circuit Breakers)

The PowerBreaker range of circuit protection devices are designed and tested for use with PowerBreaker Consumer Units.

These devices **MUST** be installed and tested by a qualified electrician in accordance with the latest Wiring Regulations (BS7671).

### MAINTENANCE / TESTING

After installation the RCCB should be Tested in accordance with the IET Wiring Regulations. The RCCB should be tested on a regular basis (at least every 6 months) by pressing the TEST button (T) in accordance with the latest edition of the IET Wiring Regulations (BS7671).

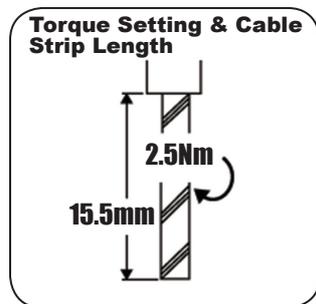
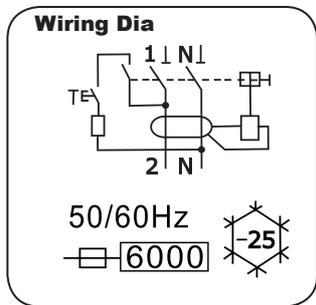
### What to do if the RCCB trips

Reset the tripped RCCB to the **ON** position. If the device trips again, switch **OFF** all MCB's protected by the RCCB. Switch the RCCB **ON** (which should stay **ON** without further tripping). Switch **ON** one MCB at a time to see which circuit trips the RCCB. Once the faulty circuit has been identified, disconnect all appliances connected to this circuit. Reconnect one appliance at a time to see which one trips the RCCB.

**In all cases, once the faulty appliance has been identified, DO NOT continue to use the item until it has been checked.**

*If fault persists, call a qualified electrician to check the installation.*

**Type A - Tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising.**



### TECHNICAL INFORMATION

	PBR63A	PBR80A	PBR100A
<b>Rated Residual Current</b>	63A	80A	100A
<b>Pack Quantity</b>	1		
<b>Barcode</b>	-	5012739 648533	5012739 648540
<b>Number of Poles</b>	2P (Double Pole)		
<b>Rated Voltage</b>	230/240VAC		
<b>Rated Residual Current</b>	30mA		
<b>Type of Residual Current</b>	Type A		
<b>Rated Frequency</b>	50/60Hz		
<b>Rated Short-Circuit Capacity</b>	6kA		
<b>Index of Protection</b>	IP20		
<b>Terminals</b>	1 -35mm <sup>2</sup>		
<b>Mechanical Endurance</b>	10,000 times		
<b>Electrical Endurance</b>	4,000 times		
<b>Ambient Temperature</b>	- 25°C to +55°C		
<b>Storage Temperature</b>	- 40°C to +70°C		
<b>Torque (Recommended minimum tightening)</b>	2.5Nm		
<b>Din Rail Mounting</b>	Yes		
<b>Guarantee</b>	3 Years		
<b>Conforms To</b>	BS EN 61008		

**Please keep this information  
for future reference**

**GREEN  
BROOK**  
ELECTRICAL  
WEST ROAD . HARLOW  
ESSEX . CM20 2BG . UK  
info@greenbrook.co.uk  
www.greenbrook.co.uk

**GUARANTEE**  
Your PowerBreaker RCCB  
is guaranteed for 3 years from  
the date of purchase.  
This is in addition to your statutory rights

