

Designed & Manufactured by...

**GREEN
BROOK**
ELECTRICAL

Meets British Standard BS7288



Type A RCD

-PowerBreaker-

...Anything else is a compromise

-PowerBreaker-

Welcome to the new range brochure.
Let us explain what has changed in the new standard and what this means to our products...

- ▶ New standard BS7288-2016 requires Type A RCDs as well as Type AC RCDs
- ▶ Type A RCDs detect DC pulsating currents and surge faults that a Type AC RCD may not detect
- ▶ DC pulsating currents can be created by faults in modern equipment (e.g. EV Car Chargers, Solar Panels, Multimedia systems, Smart Speakers, USB Sockets & i-phone chargers)
- ▶ The new standard demands products that can withstand more rigorous testing (High Voltage & Short Circuit Tests)
- ▶ PowerBreaker RCDs trip at least 10 milliseconds faster than the BSEN standards require
- ▶ Safer defence against electrocution
- ▶ Clear Flag indicators (Red = on, Green = off/safe)



A RED flag shows that the device is on with a live supply to the appliance.

~
A GREEN flag shows that the device is safe with the supply switched off.

- ▶ Available in Passive 10mA and Passive 30mA
- ▶ White & Metal Clad, Switches, Sockets and Spurs
- ▶ BS7288 - 2016 comes into effect in November 2019
- ▶ All PowerBreaker products are independently tested by a recognised test house



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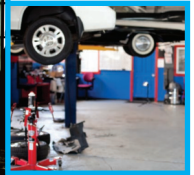
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Powerbreaker RCDs are slim & stylish - suitable for all installations

18th Edition Wiring Regulations...

- ▶ Changes to the 18th Edition Wiring Regulations suggest the use of socket RCDs in all public areas in addition to those in the Consumer Unit
- ▶ It suggests that using RCDs to isolate at the point of use avoids more nuisance upstream tripping - leading to power loss of an entire circuit ring and not just on the problem item.
- ▶ It is also noted that separate socket RCDs offer better fire protection then solely relying on the circuit board



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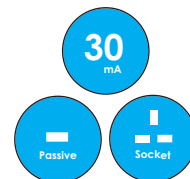


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Passive - 30mA Type A RCD

Technical Data

Voltage	230V AC ~ 50Hz
Max operating current	13A (13A inductive)
Typical trip speed	Less than 20mS (typical)
RCD contact break	Double pole
Degree of Protection:	IP40
Rated Short-circuit breaking and making Capacity:	250A
Rated conditional short-circuit current:	1500A Power factor Range .93 to .98
Independently tested to:	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (SPUR)



RCD Sockets - 30mA

Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- High intensity LED power on indicator

Part No	Description
H22-WP	RCD Twin Socket Slim profile Scratch resistant urea front plate Fits standard 35mm back box
H22-MP	RCD Twin Socket Complete with metal backbox



RCD Sockets - Switched Panel Mounting 30mA

Passive - Type A RCDs

Part No	Description
K21S-WP	Panel Mounting RCD Single Switched Socket Moulded front plate Max Plate Thickness 2mm
K22S-WP	Panel Mounting RCD Twin Switched Socket Moulded front plate Twin earth terminals Max Plate Thickness 2mm



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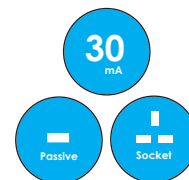


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Passive - 30mA Type A RCD

RCD Sockets - Switched 30mA Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off



Prevents nuisance tripping further upstream

Part No	Description
K21-WP	RCD Single Switched Socket Slim profile Moulded front plate Fits standard 35mm back box
K22-WP	RCD Twin Switched Socket Slim profile Moulded front plate Fits standard 35mm back box
K21-MP	RCD Single Switched Socket Complete with metal backbox
K22-MP	RCD Twin Switched Socket Complete with metal backbox



RCD Fused Spurs - 30mA Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- Fused for all fixed electrical appliances
- Cuts the power for added protection against electrocution

Part No	Description
H92-WP	RCD Fused Spur Scratch resistant urea front plate Fits 35mm standard back box
H92-MP	RCD Fused Spur Complete with metal back box



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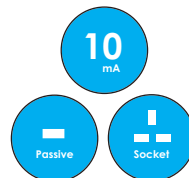
Passive - 10mA Type A RCD

RCD Sockets - Switched 10mA

Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- 10mA sensitivity providing greater protection
- Red & Green dual flag system to show power on/off
- Fused for all fixed electrical appliances
- Cuts the power for added protection against electrocution

**'Super Sensitive
- 10mA'**



Part No	Description
K21-WP10	RCD Single Switched Socket Slim profile Moulded front plate Fits standard 35mm back box
K22-WP10	RCD Twin Switched Socket Slim profile Moulded front plate Fits standard 35mm back box
K21-MP10	RCD Single Switched Socket Complete with metal backbox
K22-MP10	RCD Twin Switched Socket Complete with metal backbox



RCD Fused Spurs - 10mA

Passive - Type A RCDs

- Mechanically latched (does not need resetting after a power loss)
- 10mA sensitivity providing greater protection
- Red & Green dual flag system to show power on/off
- Fused for all fixed electrical appliances
- Cuts the power for added protection against electrocution

Part No	Description
H92-WP10	RCD Fused Spur Scratch resistant urea front plate Fits 35mm standard back box
H92-MP10	RCD Fused Spur Complete with metal back box



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RCD In-Line - 30mA Active

Technical Data

Rated trip current	30mA
Typical trip speed	<40ms
RCD contact break	Double pole
Latching	Electrical
	Needs resetting after power loss (Active)
Conforms to	IEC 61540

- Suitable for BS/European power supply systems
- Robust construction
- Mechanical flag to indicate contact position
- Double pole breaking
- Separate test and reset buttons

Part No	Description
J62-T	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 230V AC 50Hz Max operating current 16A
J62-Y	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 110V AC 50Hz Max operating current 16A
J63-X	In-Line RCD with IEC Lead Indoor use only, IP20 Fully portable 230V AC 50Hz Max operating current 10A



-PowerBreaker-

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