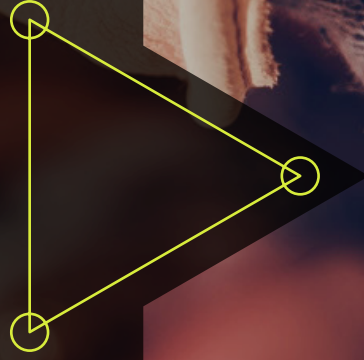




**powerbreaker**



## Quality Socket RCD Solutions

PowerBreaker RCDs typically trip at least 30 milliseconds **faster** than the BSEN standards require.

Standard BS7288-2016 requires Type A 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

- EV car chargers
- Solar panels
- Multi media systems
- Smart Speakers
- USB Sockets
- Phone chargers

It suggests that using RCDs to isolate at the point of use avoids more nuisance up stream tripping  
- leading to power loss of an entire circuit ring and not just on the problem item.

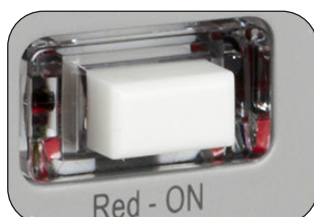
The 18th Edition Wiring Regulations suggest the use of socket RCDs in all public areas in addition to those in the Consumer Unit.

It is also noted that separate socket RCDs offer better fire protection than solely relying on the circuit board.

The new standard demands products that can withstand more rigorous testing (High Voltage & Short Circuit Tests).

Safer defence against electrocution

Clear Flag indicators (Red = on, Green = off/safe)





## Socket RCD Solutions to rely on

The PowerBreaker commitment to quality and safety ensures our products demonstrate exceptional performance and reliability in demanding environments.

We have constantly exceeded the expectations of our customers earning their continued loyalty.

PowerBreaker SRCD products are specified by the London Underground on the Cross Rail projects with LUL approvals moving towards the carbon reduction programme for 2050.

Within this range we offer a selection of 10mA sockets which function with even more sensitivity than our 30mA - these are ideal for use with hospital equipment or equally important installations.

Our products are “passive” or mechanically latched which means they do not need to be reset after a power loss and will resume normal operation upon the return of power.

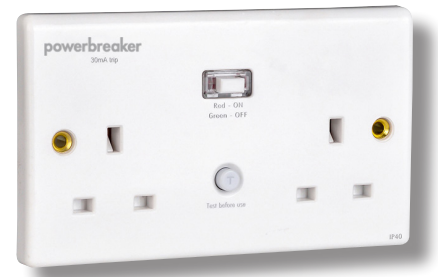


# RCD Unswitched Sockets - 30mA

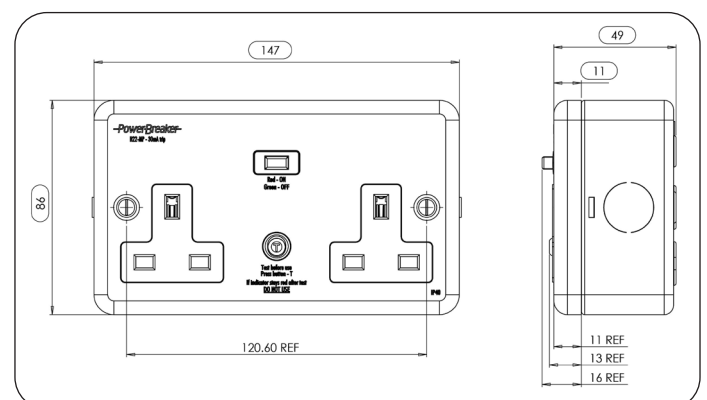
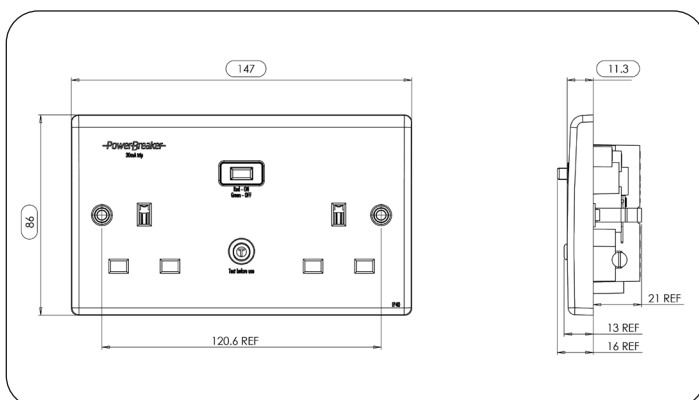
## Passive - Type A RCDs

- 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	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



TECHNICAL INFORMATION	
<b>Voltage</b>	230V AC ~ 50Hz
<b>Max Operating current</b>	13A (13A Inductive)
<b>Typical Trip Speed</b>	Less than 20mS (typical)
<b>RCD contact break</b>	Double Pole
<b>Degree of Protection</b>	IP40
<b>Rated Short-circuit breaking &amp; making Capacity</b>	250A
<b>Rated conditional Short-circuit current</b>	1500A Power factor Range .93 to .98
<b>Independently tested to</b>	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)



# RCD Sockets - Switched Panel Mounting 30mA

## Passive - Type A RCDs

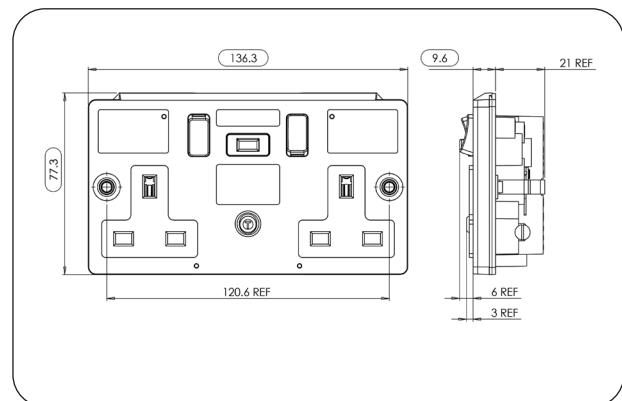
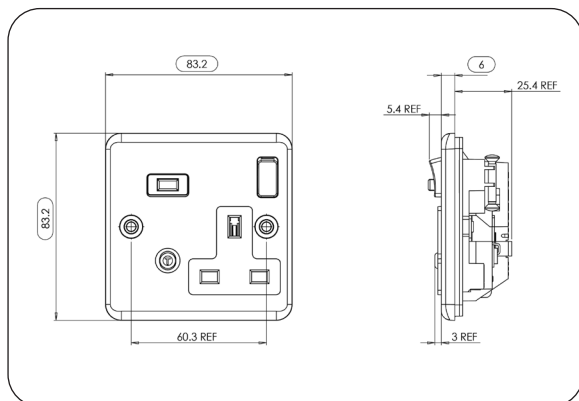
- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off
- High intensity LED power on indicator

Part No	Description
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



### TECHNICAL INFORMATION

<b>Voltage</b>	230V AC ~ 50Hz
<b>Max Operating current</b>	13A (13A Inductive)
<b>Typical Trip Speed</b>	Less than 20mS (typical)
<b>RCD contact break</b>	Double Pole
<b>Degree of Protection</b>	IP40
<b>Rated Short-circuit breaking &amp; making Capacity</b>	250A
<b>Rated conditional Short-circuit current</b>	1500A Power factor Range .93 to .98
<b>Independently tested to</b>	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)



# RCD Switched Sockets - 30mA & 10mA

## Passive - Type A RCDs

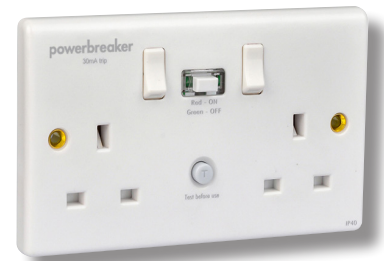
- Mechanically latched (does not need resetting after a power loss)
- Red & Green dual flag system to show power on/off

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 back box

Part No	Description - 10mA Super Sensitive
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 back box
K22-MP10	RCD Twin Switched Socket, Complete with metal back box



K21-WP



K22-WP



K21-MP



K22-MP

### TECHNICAL INFORMATION

<b>Voltage</b>	230V AC ~ 50Hz
<b>Max Operating current</b>	13A (13A Inductive)
<b>Typical Trip Speed</b>	Less than 20mS (typical)
<b>RCD contact break</b>	Double Pole
<b>Degree of Protection</b>	IP40
<b>Rated Short-circuit breaking &amp; making Capacity</b>	250A
<b>Rated conditional Short-circuit current</b>	1500A Power factor Range .93 to .98
<b>Independently tested to</b>	BS 7288:2016, BS 1363-2:2016, BS1363-4:2016 (Fused Connection Unit)

# RCD Fused Connection Units - 30mA & 10mA 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 Connection Unit Scratch resistant urea front plate Fits 35mm standard back box
H92-MP	RCD Fused Connection Unit Complete with metal back box



H92-MP

Part No	10mA Super Sensitive
H92-WP10	RCD Fused Connection Unit Scratch resistant urea front plate Fits 35mm standard back box
H92-MP10	RCD Fused Connection Unit Complete with metal back box



H92-WP

## TECHNICAL INFORMATION

<b>Voltage</b>	230V AC ~ 50Hz
<b>Max Operating current</b>	13A (13A Inductive)
<b>Typical Trip Speed</b>	Less than 20mS (typical)
<b>RCD contact break</b>	Double Pole
<b>Degree of Protection</b>	IP40
<b>Rated Short-circuit breaking &amp; making Capacity</b>	250A
<b>Rated conditional Short-circuit current</b>	1500A Power factor Range .93 to .98
<b>Independently tested to</b>	BS 7288:2016, BS 1363-2:2016 BS1363-4:2016 (Fused Connection Unit)

# RCD In-Line - 30mA Active

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



J62-T



J63-X



J62-Y

## TECHNICAL INFORMATION

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

Part No	Description
J62-T	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 240V AC 50/60Hz Max operating current 16A
J62-Y	In-Line RCD Heavy Duty, IP65 Re-wirable terminals 110V AV 50/60Hz Max operating current 16A
J63-X	In-Line RCD with IEC Lead Indoor use only, IP20 Fully portable 240V AC 50Hz Max operating current 10A

