

# PowerBreaker PROTEKT

## IP67 Weatherproof

### RCD Fused Connection Unit

#### (Type A RCD - Passive)

#### - H92IP-X

Thank you for purchasing one of the market leading PowerBreaker RCD Fused Connection Unit.

#### INSTALLATION GUIDE - IMPORTANT

This product should be installed by a competent person and in accordance with the current IET Wiring Regulations. If in doubt, consult a qualified electrician

#### Important -

- Always disconnect the mains supply via the switch in the main fuse board or consumer unit before commencing any electrical work.
- Ensure that all terminal screws are fully tightened and that earth wires are sleeved and that no bare wires are showing.
- Cable glands must be used which maintain the IP rating. The warranty is invalid if IP rating is not maintained.

#### IMPORTANT – FOR YOUR PROTECTION.

Electricity can be dangerous and the use of an RCD should not be regarded as a substitute for basic electrical safety precautions.

Always switch off from supply when working on equipment.

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.

Should your PowerBreaker RCD Fused Spur Unit trip when first powered, repeatedly trip with an appliance connected or fail to trip when tested, in accordance with the instructions **Do Not Use**, please consult a qualified Electrician.

Type A RCDs are suitable for use with single phase supplies and applications with electronic components, they are also suitable for type AC RCD applications with Resistive, Capacitive, Inductive loads generally without any electronic components.

Type AC RCD should not be fitted upstream of a Type A as the load characteristics of a Type A RCD could then impair operation of the Type AC RCD.

The PowerBreaker Single Gang RCD Fused Connection Unit has been designed for storage and use between -5°C and +40°C, and at an altitude of no greater than 2000m above sea level. Care must be taken not to subject the unit to misuse, such as abnormal pollution by smoke, chemical or flammable fumes, salt laden spray, prolonged periods of high humidity or other abnormal conditions.

### Product Features

The GreenBrook range of RCD fused connection units are designed for use in countries with a 230V 50Hz~AC mains supply. The H92IP Weatherproof RCD fused connection unit has a maximum current rating of 10A.

The RCD will trip if any of the following conditions occur.

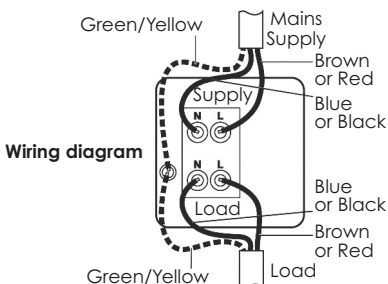
(1) Pressing the test button

(2) Current leakage to earth (a minimum of 30mA)

This RCD fused connection unit is mechanically latched (passive) and will not trip when the mains supply is lost. This type of RCD is recommended for appliances where no dangerous situations are likely to occur on restoration of the power supply.

PowerBreaker RCD fused connection units conform to the relevant clauses of BS5733 and BS7288:2016.

### Wiring Diagram



**IMPORTANT: NOTE POSITION OF SUPPLY AND LOAD**

## Installation

The installer should make sure that the RCD fused connection unit supply is also protected by the correct rating of fuse or MCB (miniature circuit breaker) at the consumer unit. 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.

**IMPORTANT: Always disconnect the mains supply via the switch in the main fuse board, consumer unit before commencing any electrical work when connecting cables to the spur. Ensure that all terminal screws are fully tightened and that the earth wires are sleeved and that NO bare wires are showing.**

H92IP: The weatherproof RCD connection unit can be installed in areas which are washed down. However, during installation the area should be kept dry.

**Ensure that the plate earth is connected to product earth.**

**NOTE: Please see wiring Diagram overleaf.**

## Operation Procedure

### PLEASE CARRY OUT THIS SIMPLE TEST PROCEDURE AFTER INSTALLATION.

1. Press White ON button.
2. Window indicator will illuminate Red.
3. Press Grey Test button.
4. Red window indicator and illumination will disappear. This means that the RCD has tripped successfully.\*
5. To reset – press White ON button and use as normal spur.
6. Green indicates off.

\*If indicator fails to work, test fuse, if unit still fails to work do not use and contact a qualified Electrician.

Fit BS1362 fuse in accordance with equipment manufacturers' specification. Remove this RCD from circuit before performing any high voltage insulation tests.

## Cleaning

If your PowerBreaker RCD fused connection Unit needs cleaning, the spur should be switched off first as specified in the product testing section overleaf.

Wipe the surface with a dry cloth. Do not use a damp or wet cloth, or a solvent based cleaning agent, as this may damage or impair the safety of the RCD fused connection unit.

### TECHNICAL INFORMATION

Rated:	10A, 230V AC~50Hz
Rated trip speed:	Less than 20mS (typical)
Rated trip current:	30mA
Terminal capacity:	6mm <sup>2</sup> max
RCD contact break:	Double pole
Mechanical Latching:	Passive
Rated short-circuit breaking & making Capacity:	250A
Rated conditional short-circuit current:	1500S power factor Range .93 to .98
Dimensions:	W125 x H125 x D76mm
Knockouts:	6 x 20mm, 4 x 25mm
Independently tested to:	7288:2016

#### GUARANTEE

**Your PowerBreaker Protekt IP67 RCD Fused Connection Unit is guaranteed for 5 years from the date of purchase. This is in addition to your statutory rights.**

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

**INSTALLER** - Please pass instruction manual onto the owner of the unit.

**GREEN  
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