

## Measuring R1 + R2 for compliance with Regulation 612.2.1

A temporary link is made between the line and CPC conductors at the consumer unit. The resistance measured between line and CPC at the further point on the ring is R1 + R2

**NOTE:** The link must be removed before re-energising

award.co.ik

emailer





## **Measuring insulation for compliance** with Regulation 612.3

Measurements are made between: Line and earth, neutral and earth and line and neutral.

All lamps are removed and equipment or appliances disconnected.

All switches in circuit are in the ON position.

-award.co.uk

Testing

emailent

For circuits up to and including 500V the test voltage is 500V and the measured insulation resistance should be at least 1Mohm





## **RCD** testing for compliance with **Regulation 612.13.1**

-award.co.ik

Testing

onaleal

Measurement of RCD trip is made at a mains outlet on the RCD protected ring circuit. The PowerPlus 1557 allows automatic measurement of trip time at 1/2 I $\triangle$ n, I $\triangle$ n and 5 I $\triangle$ n at 0 and 180 degree phase whilst the operator resets the RCD at the consumer unit.



Seaward, Bracken Hill, South West Industrial Estate, Peterlee, County Durham, SR8 2SW United Kingdom Tel: +44 (0) 191 586 3511 Fax: +44 (0) 191 586 0227 Email: sales@seaward.co.uk Web: www.seaward.co.uk



## Measuring of the external earth fault loop impedance $Z_E$ at the origin of the supply for compliance with Regulation 612.9

The consumer unit must be proved to be isolated before disconnecting the earth conductor.

 $\mathbf{Z}_{\mathbf{F}}$  is measured between the incoming line and protective earth.

-award.co.uk

ntestine

emailes

The protective earth conductor is not connected to the main earthing terminal (MET) to avoid the possible influence of parallel earth paths.



