



# 2 Pole 2 module residual current devices

Current Rating	Trip Current	RS stock nos.
25A	30mA	417-256
40A	30mA	417-262
63A	30mA	417-278

### General

A range of double pole 2 module R.C.D. (Residual Current Device), incorporating an integral DIN rail mounting base, allowing the units to be mounted in the RS range of modular enclosures or direct onto symmetrical DIN rail.

### Mounting

1. The operation of the R.C.D.'s should be regularly checked using the TEST button mounted on the front face of the device. It is therefore recommended that the device is mounted in an accessible position.
2. Where the devices are fitted into control panels that require regular access, it is recommended that the terminal shields (RS stock No. 417-290) are fitted to provide basic shock protection.

### Connection

1. The incoming supply cables may be connected to either the top or bottom terminals as required.
2. To ensure the correct operation of the R.C.D.'s all the LIVE and NEUTRAL conductors feeding the installation must be connected to the devices.
3. All electrical equipment protected by the R.C.D.'s must be effectively earthed. The measured value of the earth loop impedance in ohms (Z) must be such that the product of this value and the rated operating current of the R.C.D. in amps (IA) does not exceed 50, (Regulation 413-6 15th edition), i.e.  $Z \times I_A \leq 50$ .

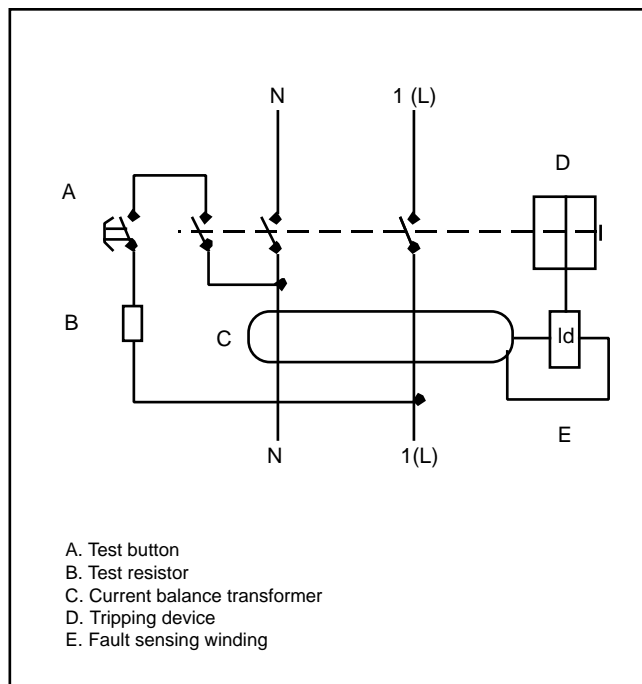
### Testing

1. After installation of the device it is recommended that the installation resistance of all the protected UVE and NEUTRAL conductors be measured with respect to earth. This can be carried out by using a 500V insulation tester connected between the main earthing terminal and each of the R.C.D. outgoing terminals in turn with the device in the "OFF" position. The insulation resistance measured should not be less than 1M.

2. To test the operation of the R.C.D. after installation, press the TEST button on the front of the device. The device should trip to the "OFF" position every time. Failure to do so indicates either no supply to the R.C.D. or a faulty device.
3. A test for the effectiveness of the R.C.D. in the protected installation should be carried out as directed in regulation 613-16 of the 15th edition - Regulations for Electrical Installations.

### Health and safety

To ensure that the equipment described is safe, both for personnel and property, it should be installed, commissioned and maintained by or under the supervision of qualified personnel. Regard should be taken of I.E.E. wiring regulations, codes of practice etc.



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