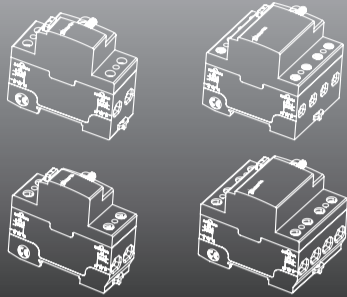




Directions for use
Residual Current Breaks
RCD



SHAYLA ELECTRICAL LIMITED

A. Mounting

1. The correct function of the RCD should be regularly checked by operating the test button. It is therefore recommended that the device is mounted in an accessible position.
2. The RCD can be mounted on 35mm symmetrical din rail (EN 60715), see figures 1 and 2.

1

Figure 1

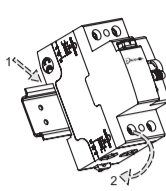
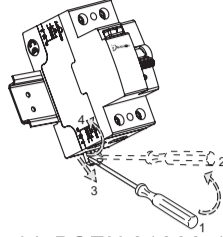


Figure 2



3. RCD's complying with BSEN 61008-1 are designed for use in clean and dry environments. Should the device be installed in an atmosphere which is subject to high or excessive pollution. Please seek advice.

B. Connection

1. The incoming supply cables can be connected to bottom terminals as required. It is possible to release the wiring with connection busbars on the lower terminals, see figures 3, 4, 5 and 6.

Figure 3

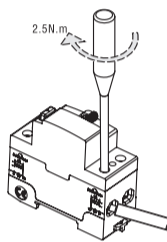
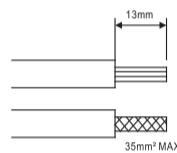


Figure 4



2

Figure 5

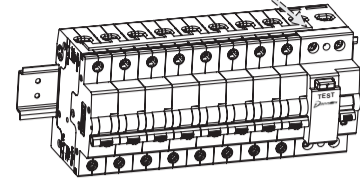
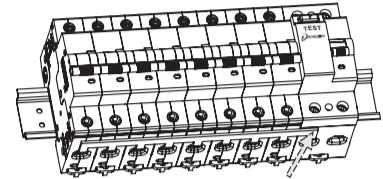


Figure 6



2. To ensure the correct operation of the RCD all the live and neutral conductors feeding the installation must be connected to the device.
3. All electrical equipment protected by the RCD must be effectively earthed and the measured value of the earth loop impedance in ohms must be such that the value of this product, and the operating current does not exceed 50A.
4. Should it be necessary to use a 4 poles RCD for a single phase circuit, terminals 5/6 and N must be used, otherwise the test device will not be energised when the test button is pressed and will not function, see figures 7 and 8.

3

Figure 7

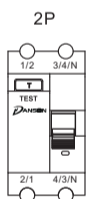
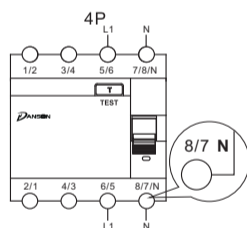


Figure 8



C. Test

1. After installation of the RCD, it is recommended that the insulation resistance of all the protected live and neutral conductors is 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 RCD outgoing terminals in turn with the device in the "OFF" position. The insulation resistance measured shall not be less than 1 megaohm.
2. Remember to press the "T" test button each month. The RCD should trip, see figures 9 and 10. If this does not happen, an authorised electrician should be alerted immediately because the system safety has been reduced.

4

Figure 9

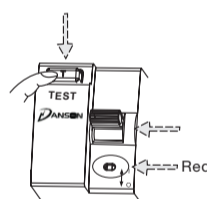
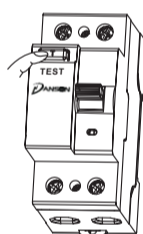
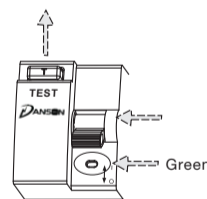
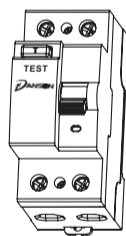


Figure 10



D. Technical data

See equipment plate data and refer below:

Rated current	A	16, 25, 32, 40, 63, 80, 100
Rated residual operating current	A	0.03, 0.1, 0.3
Number of poles	P	2, 4
Rated voltage	Va.c.	230/2P, 230/400/4P
Trip type		AC, A
Rated conditional short-circuit current	A	6000
IP number		20
Mechanical life	times	10000

5

E. Danger

Hazard of electric shock, explosion or arc flash, then isolate and lock off, then label the power sources, repeat during installation or maintenance. Failure to follow these instructions could result in death or serious injury.



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