

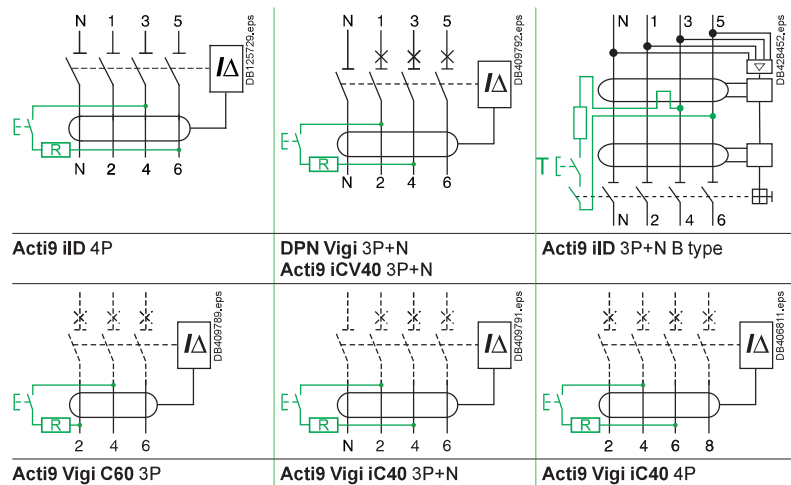
Routine operating checks of residual current devices: local test and loop test

Residual current devices are designed to protect against hazardous earth fault current. That is why:

- the electrical installation operation and maintenance standards require these protection devices to be tested at regular intervals
- the IEC 61008 and IEC 61009 series of product standards require such devices to be fitted with a test button (marked "T") on the front panel.

The user can therefore check and be certain that the device is working correctly.

The test button allows the user to check if the RCD is able to trip in presence of an earth leakage current. If the device doesn't trip, it must be examined to determine if the device is out of service.



1- Test frequency

Residual current devices must be tested as required by local regulations or guidelines on electrical installation inspection and maintenance.

In the absence of any local regulations or guidelines, Schneider Electric recommends that the test is carried out:

For Voltage independent RCDs:

- after initial connection and any subsequent reconnection
- **every six months**, for devices installed in AF1* environmental conditions (no dust, corrosion, high humidity, etc.)
- **every month**, for devices installed in AF2* to AF4* environmental conditions or highly exposed to voltage surges.

(*) Refer to tables in page 5 for definition of classes of environmental conditions.

For Voltage dependent RCDs:

- after initial connection and any subsequent reconnection
- **every month**, whatever the environmental conditions or exposition to voltage surges.

2- Procedure

The residual current device is powered on and the loads are connected	Briefly press the test button marked "T" on the front panel Note It is recommended to disconnect the loads before testing	The residual current device should trip instantly. If it doesn't trip, the additional checks described next page should be performed	When the test is finished, put the residual current device back into service