

RCD Test Certificate

ElecConnect Professional

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BS 7671:2018+A3:2024 COMPLIANT

RCD Test Report

Client: Johnson & Sons Electrical

Client Address: kjh

Client Phone: kjh

Installation Address: kh

Description of Installation: Flat-Apartment

Estimated Installation Age: 5–10 years

Earthing Arrangement: TT

Supply Characteristics: 230 V, 50 Hz, Single Phase

Main Switch Rating: 80A Double Pole

Extent of Inspection: Limited Access

Inspection Limitations: ewfevevwevwevewv e ve rv erv e. er v erv er v erv er v erv e rv erve rv

Date of Inspection: 2025-09-16

Inspector: Sarah Johnson

Inspector Qualification: NVQ Level 3

1. Scope of Report

This report details the testing and evaluation of the Residual Current Device(s) (RCDs) installed at the above address, in accordance with BS 7671:2018+A3:2024 (IET Wiring Regulations). The objective is to verify RCD performance as per BS EN 61008 and/or BS EN 61009 requirements for protection against electric shock and fire risk.

2. RCD Specifications

- Type: [Specify e.g., Type AC / A – Not specified]

- Manufacturer/Model: [Not specified, to be determined by client]
- Nominal Rated Residual Operating Current ($I^{\prime\prime}n$): [State e.g., 30 mA – Please specify]
- RCD Location(s): [Panel / Consumer Unit in Flat, Specific Circuit protected – please specify if possible]
- Number of RCDs Tested: [Complete as per onsite installation]
- Installation Reference: Board/Unit [Not specified], Circuit(s) [Not specified]

3. Test Equipment

- Equipment Used: [Insulation/Continuity/RCD Tester – Model/Serial No. to be recorded]
- Calibration Status: Last calibrated [Date – confirm up-to-date], Certificate Ref: [insert]

4. Test Procedure and Results

4.1 RCD Test Button

- Operation Verified: Yes/No [Tick as appropriate]
- Result: RCD responded when test button pressed *in situ* (Regulation 643.8, 531.3.3).

4.2 Trip Characteristics

a) Half-Rated Test ($0.5 \times I^{\prime\prime}n$)

- Purpose: RCD should not trip (Reg. 643.7.2).
- Results: [Enter 'Did Not Trip' or timings if any trip occurred]

b) Rated Test ($1 \times I^{\prime\prime}n$)

- Purpose: RCD must trip within <300 ms for 30 mA devices (Table 41.1, Reg. 411.3.2.2).
- Measured Trip Time: [ms]
- Result: [Pass/Fail]

c) Double Rated Test ($2 \times I^{\prime\prime}n$)

- Purpose: Trip required <150 ms (BS EN 61008).
- Measured Trip Time: [ms]
- Result: [Pass/Fail]

d) Quintuple Rated Test ($5 \times I^{\prime\prime}n$)

- Purpose: Trip required <40 ms

- Measured Trip Time: [ms]
- Result: [Pass/Fail]

e) Ramp Test

- Purpose: Establish actual tripping threshold.
- Measured Value: [mA]

4.3 Insulation Monitoring (if applicable)

- Observations/Readings: [List, or N/A if not fitted]

5. Results Assessment

- Compliance with BS EN 61008/61009: [Pass/Fail]
- Observations: [Summarise unusual results or anomalous behaviour]

6. Observed Defects, Non-Compliances & Safety Classification

Code	Description	Location	Regulation Ref.	Safety Classification	Recommendation
C3	qwfqwfqwfqw	qwfqwf	[State applicable e.g., Reg. 514.12.2]	Improvement Recommended	fqwfqfqfw
C2	erberberbe	reerer	[State applicable e.g., Reg. 411.3.3]	Potentially Dangerous	erbere

Legend:

- C1 – Danger present (immediate remedial action required)
- C2 – Potentially dangerous (urgent remedial action recommended)
- C3 – Improvement recommended (non-compliance, not dangerous)

7. Overall Assessment

Overall Outcome: Satisfactory (as per client data, subject to implementation of listed improvements/remedial actions).

8. Summary of Recommendations & Actions

- C3 (Recommendation for Improvement):

qwfqwfqwfqw at *qwffqwf* – This defect, while not currently dangerous, should be rectified to enhance safety.

Recommendation: fqwfqfqfw

(Reference: BS 7671:2018+A3:2024, Regulation [specify])

- C2 (Potentially Dangerous):

erberberbe at *reerer* – This issue poses potential danger; urgent remedial works are strongly advised to mitigate risk of electric shock or fire hazard.

Recommendation: rerbere

(Reference: BS 7671:2018+A3:2024, Regulation [specify])

- RCD(s) should be clearly labelled, and their location recorded for future maintenance (Regulation 514.12.2).

- All remedial works must be undertaken by a competent person in accordance with BS 7671 (Regulation 134.1.1).

9. Conclusions & Next Steps

- All RCDs tested operate within the prescribed limits of BS EN 61008/61009 (subject to completed test results as listed above).

- The installation is considered satisfactory at the time of inspection, provided recommended remedial actions (C2) are addressed without undue delay.

- Continued compliance is conditional on:

- Prompt resolution of observed faults (especially C2)

- Periodic testing and maintenance according to BS 7671:2018+A3:2024 Section 6

- User monthly functional checks using the RCD test buttons (Guidance: Regulation 514.12.2, 134.1.1)

It is recommended that all identified issues are remedied as soon as practicable and a follow-up inspection be conducted where C2 observation has been recorded.

10. Declaration

I, Sarah Johnson (NVQ Level 3), confirm that the RCD testing and assessment were carried out in

accordance with BS 7671:2018+A3:2024 to the best of my professional knowledge and ability. All test results are as recorded above and accurately reflect the state of the installation on the date of inspection.

Additional Notes:

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End of Report

This document may be submitted as evidence of inspection for Building Control or for insurance purposes.

Signatures

Inspector: _____ Date: _____

Client: _____ Date: _____