



Electrical Installation Condition Report

for Domestic and Similar Premises up to 100 A Supply

Requirements for Electrical Installations
BS 7671:2018 (Amendment 1:2013) (18th Edition)

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Date(s) on which the inspection and testing were carried out 15/03/2019 to 15/03/2019

C Details of installation which is the subject of this report

Description of premises Domestic ☒ Commercial ☐ Industrial ☐ Other (please specify) _____
Estimated age of the wiring system 15 years
Evidence of alterations or addition Yes ☐ No ☐ Not apparent ☐ If 'Yes', estimated _____ years
Records of installation available Yes ☐ No ☒ Records held by _____
Date of last inspection Not Known Electrical Installation Certificate No. or previous Inspection Report No. _____

D Extent of electrical installation covered by this report:

Agreed Limitations and Operational Limitations (Regulations 653.2)

All

Operational limitations including the reasons see page no 1

Agreed with: _____

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2018 amended to _____

It should be noted that cables concealed within the trunkings and conduits, under floors, in roof spaces and generally within the fabric of the building or underground have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

E Summary of the condition of the installation

General conditions of the installation (in terms of safety)
Good

Overall assessment of the installation in terms of its suitability for continued use

SATISFACTORY ☐ *UNSATISFACTORY ☒

*An UNSATISFACTORY assessment indicates that dangerous (code C1), or potentially dangerous (code C2), Further investigation (code FI) conditions have been identified

F Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as **UNSATISFACTORY** I/we recommend that any observations classified as 'Danger present' (code C1) or 'Potential dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further investigation required' (code FI). Observations classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by 15/03/2024 (date)

G Declaration

I/we declare that the inspection and testing of the electrical installation (as indicated by my/our signature) was carried out in accordance with the requirements of BS 7671:2018 (Amendment 1:2013) and that the assessment of the condition of the electrical installation is based on the observations made and the particulars of which are stated in this report, including the stated extent and limitations

Correspondence Name _____
Member Name _____
Address _____
Position: Approved electrician
Date: 17/03/2019

H Schedule(s)

1 schedule(s) of inspection and 1 schedule(s) of test results are attached.

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.



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Supply characteristics and earthing arrangements

Earthing Arrangements TN-S ☐ TN-C-S ☒ TT ☐ Other ☐ Please specify _____

Number & Type of live conductors AC ☒ DC ☐ No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: ⁽¹⁾ by enquiry, ⁽²⁾ by enquiry or by measurement)

Nominal voltage, U/U₀ ⁽¹⁾ 230v v Nominal frequency, f⁽¹⁾ 50Hz Hz Confirmation of polarity ☒

Prospective fault current, I_{pf} ⁽²⁾ 1.2 kA External loop impedance, Z_e ⁽²⁾ .20 Ω Or Z_{db} Source of Circuit _____

Supply Protective Device BS (EN) 1361 Type 2 Rated Current 80 A

Other Sources of Supply (as detailed on attached schedule) _____

Particulars of installation referred to in this certificate

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) N/A

Location N/A Electrode resistance to earth N/A Ω

Means of Earthing

Distributors facility ☒ Installation Earth Electrode ☐

Maximum Demand (load) _____ Amps ☐ KVA ☐

Main Protective Conductors	Material	csa	(✓) or Value	(connection / continuity) (✓) or Value
Earthing Conductor	Copper	16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Protective Bonding Conductor (to extraneous-conductive-parts)	Copper	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Main Supply Conductor	Copper	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Main Switch Location _____

Fuse/device rating or setting 100 A Voltage rating 230v V BS(EN) 60947-3 No. of Poles 2 Current Rating 100 A

If RCD main switch: Rated residual operating current I_{Δn} _____ mA Rated time delay _____ ms Measured operating trip time _____ ms

Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

- ☐ No remedial work required
- ☒ The following observations are made

Explanation of codes

C1	Danger present. Risk of Injury. Immediate remedial action required.
C2	Potentially dangerous. Urgent remedial action required.
C3	Improvement recommended.
F1	Further Investigation required without delay

Item No.	Observations	Code
1	Consumer unit needs updating to current regulations due to lack of RCD's	C2

One of the above codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1	Danger present. Risk of Injury. Immediate remedial action required.
C2	Potentially dangerous. Urgent remedial action required.
C3	Improvement recommended.
F1	Further Investigation required without delay



Electrical Installation Condition Report Inspection Schedule

for Domestic and Similar Premises up to 100 A Supply
Requirements for Electrical Installations - BS 7671:2018 (IET Wiring Regulations 18th Edition) All items inspections to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018

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Outcomes

Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applicable:
	or					

In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report.

Item No.	Description	Outcome
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1.0 External Condition Of Intake Equipment (Visual Inspection Only) Where inadequacies are encountered, it is recommended that the person ordering the report informs the appropriate authority

1.1	Service cable	
1.2	Service head	
1.3	Earthing arrangement	
1.4	Meter tails	
1.5	Metering equipment	
1.6	Isolator (where present)	
2.0	Presence Of Adequate Arrangements For Other Sources Such As Microgenerators (551.6; 551.7)	

3.0 Earthing / Bonding Arrangements (411.3; Chap 54)

3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	
3.5	Accessibility and condition of earthing conductor at MET arrangement (543.3.2)	
3.6	Confirmation of main protective bonding conductor sizes (544.1)	
3.7	Condition and accessibility of main protective bonding conductor/connections (543.3.2; 544.1.2)	
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	

4.0 Consumer Unit(s) / Distribution Board(s)

4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	
4.2	Security of fixing (134.1.1)	
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	
4.6	Presence of main linked switch (as required by 462.1.201)	
4.7	Operation of main switches (functional check) (643.10)	
4.8	Manual operation of circuit-breakers and RCD(s) to prove disconnection (643.10)	
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	
4.13	Presence of other required labelling (please specify) (Section 514)	
4.14	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; section 432.433)	
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	
4.19	RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1)	
4.20	Confirmation of indication that SPD is functional (651.4)	
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	

5.0 Final Circuits

5.1	Identification of conductors (514.3.1)	
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	
5.3	Condition of insulation of live parts (416.1)	



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5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. Integrity of containment (521.10.1)	✓
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	✓
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
5.8	Presence and adequacy of circuit protective conductors (433.3.1; Section 543)	✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	✓
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.204)	✓
5.12.1	for all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	C2
5.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓
5.12.3	for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	C2
5.12.4	for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	✓
5.12.5	for circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓
5.14	Band II cables segregated/separated from Band I cables (528.1)	✓
5.15	Cables segregated/separated from communications cabling (528.2)	✓
5.16	Cables segregated/separated from non-electrical services (528.3)	✓
5.17.1	Connections soundly made and under no undue strain (526.6)	✓
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓
5.17.3	Connections of live conductors adequately enclosed (526.5)	✓
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))	✓
5.19	Suitability of accessories for external influences (512.2)	✓
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	✓

6.0 Location(s) Containing A Bath Or Shower

6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	✓
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	✓
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	✓
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	✓
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	✓
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	✓
6.8	Suitability of current-using equipment for particular position within the location (701.55)	✓

7.0 Other Part 7 Special Installations Or Locations

7.1	List all other special installation or locations, if any (record separately the results of particular inspections applied).	
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8.0 Schedule of Test Results to be recorded on Schedule of Test Result

8.1	External earth loop impedance, Z_e	Yes	8.9	Insulation Resistance between Live Conductors	Yes
8.2	Installation earth electrode	Yes	8.10	Insulation Resistance between Live Conductors & Earth	Yes
8.3	Prospective fault current, I_{pf}	Yes	8.11	Polarity (prior to energisation)	Yes
8.4	Continuity of Earth Conductors	Yes	8.12	Polarity (after energisation) including phase sequence	Yes
8.5	Continuity of Circuit Protective Conductors	Yes	8.13	Earth Fault Loop Impedance	Yes
8.6	Continuity of ring final circuit	Yes	8.14	RCDs / RCBOs including selectivity	Yes
8.7	Continuity of Protective Bonding Conductors	Yes	8.15	Functional testing of RCD devices	Yes
8.8	Volt drop verified	Yes	8.16	Functional testing of AFDD(s) devices	Yes

Inspector's Name

Date:

Signature:

[Handwritten Signature]



Electrical Installation Condition Report Test Schedule

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Client Victor Poon

Installation Address Flat 213, Consort Court, LONDON

Postcode W8 5SN

Distribution board details - Complete in every case

Location Cupboard

Designation 1

Num. of ways 16

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for this distribution board: No. of phases N/A Type BS(EN) N/A Rating N/A

Supply polarity confirmed ☐ Phase sequence confirmed ☐

Characteristics at this distribution board

Associated RCD (if any): BS (EN)

N/A

Operating at 1 lAn N/A

Operating at 5 lAn N/A

Test instrument serial number(s)

Loop impedance 3317009

Insulation resistance 3317009

Continuity 3317009

RCD 3317009

CIRCUIT DETAILS

TEST RESULTS

Circuit No. and Line No.	Distribution board Designation	Type of wiring	Ref. method	No. of points served	Circuit conductors csa			Overcurrent protective devices			RCD operating current I _{Δn} (mA)	BS 7671 Max. permitted value Z _s Other 80% (Ω)	TEST RESULTS															
					LN (mm ²)	CPC (mm ²)	Maximum disconnection time (s) (BS 7671)	BS EN Number	Type No.	Rating (A)			Breaking capacity (kA)	Circuit impedance Ω				Insulation resistance (Record lower reading)				Polarity	Measured Z _s (Ω)	RCD testing		Manual test button operation		
														R1	m	r2	R1+R2	R2	Test voltage V	L-L, L-N M(Ω)	L-E, N-E M(Ω)			Above 30mA 1Δn ms	30mA or below 5 Δn ms			
																											✓	✓
1	Socket ring circuit	1	C	N/A	2.5	1.5	0.4	60898	B	32	6	N/A	1.1	.28	.29	.44	✓	.14	N/A	N/A	>200	>200	✓	.34	N/A	N/A	N/A	N/A
2	Socket ring circuit	1	C	N/A	2.5	1.5	0.4	60898	B	32	6	N/A	1.1	.14	.15	.35	✓	.08	N/A	N/A	>200	>200	✓	.28	N/A	N/A	N/A	N/A
3	Socket ring circuit	1	C	N/A	2.5	1.5	0.4	60898	B	32	6	N/A	1.1	.60	.61	.99	✓	.30	N/A	N/A	>200	>200	✓	.50	N/A	N/A	N/A	N/A
4	Cooker	1	C	N/A	6	2.5	5	60898	B	40	6	N/A	0.88	N/A	N/A	N/A	✓	.30	N/A	N/A	>200	>200	✓	.50	N/A	N/A	N/A	N/A
5	Socket radial	1	C	N/A	2.5	1.5	0.4	60898	B	16	6	N/A	2.2	N/A	N/A	N/A	✓	.10	N/A	N/A	>200	>200	✓	.30	N/A	N/A	N/A	N/A
6	Immersion heater	1	C	N/A	2.5	1.5	0.4	60898	B	20	6	N/A	1.75	N/A	N/A	N/A	✓	.32	N/A	N/A	>200	>200	✓	.52	N/A	N/A	N/A	N/A
7	Immersion heater	1	C	N/A	2.5	1.5	0.4	60898	B	20	6	N/A	1.75	N/A	N/A	N/A	✓	.29	N/A	N/A	>200	>200	✓	.49	N/A	N/A	N/A	N/A
8	Central heating	1	C	N/A	2.5	1.5	0.4	60898	B	16	6	N/A	2.2	N/A	N/A	N/A	✓	.16	N/A	N/A	>200	>200	✓	.36	N/A	N/A	N/A	N/A
9	Central heating	1	C	N/A	2.5	1.5	0.4	60898	B	16	6	N/A	2.2	N/A	N/A	N/A	✓	.12	N/A	N/A	>200	>200	✓	.32	N/A	N/A	N/A	N/A
10	Central heating	1	C	N/A	2.5	1.5	0.4	60898	B	16	6	N/A	2.2	N/A	N/A	N/A	✓	.22	N/A	N/A	>200	>200	✓	.42	N/A	N/A	N/A	N/A
11	Socket radial	1	C	N/A	2.5	1.5	0.4	60898	B	16	6	N/A	2.2	N/A	N/A	N/A	✓	.13	N/A	N/A	>200	>200	✓	.33	N/A	N/A	N/A	N/A
12	Lights	1	C	N/A	1.5	1	0.4	60898	B	6	6	N/A	5.87	N/A	N/A	N/A	✓	.30	N/A	N/A	>200	>200	✓	1.09	N/A	N/A	N/A	N/A
13	Lights	1	C	N/A	1.5	1	0.4	60898	B	6	6	N/A	5.87	N/A	N/A	N/A	✓	.89	N/A	N/A	>200	>200	✓	.50	N/A	N/A	N/A	N/A
14	Lights	1	C	N/A	1.5	1	0.4	60898	B	6	6	N/A	5.87	N/A	N/A	N/A	✓	.59	N/A	N/A	>200	>200	✓	.79	N/A	N/A	N/A	N/A
15	Security panel	1	C	N/A	1.5	1	0.4	60898	B	6	6	N/A	5.87	N/A	N/A	N/A	✓	.12	N/A	N/A	>200	>200	✓	.32	N/A	N/A	N/A	N/A
16	Fire alarm	1	C	N/A	1.5	1	0.4	60898	B	6	6	N/A	5.87	N/A	N/A	N/A	✓	.54	N/A	N/A	>200	>200	✓	.74	N/A	N/A	N/A	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing

Not Specified

To

Not Specified

Date(s) live testing

Not Specified

To

Not Specified

N/A

Tested by: Name (capital letters) DARREN ABBOTT

Position Approved electrician

Date 17/03/2019

Signature

Wiring Types: A PVC/PVC B PVC cables in metallic Conduit C PVC cables in non-metallic Conduit D PVC cables in metallic Trunking E PVC cables in non-metallic Trunking F PVC/SWA cables G SWA/XPLE cables H Mineral Insulated I Other