

ELECTRICAL INSTALLATION CONDITION REPORT

Ref: ELEC-4862

SECTION A. DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Name [REDACTED]

Address [REDACTED]

SECTION B. REASON FOR PRODUCING THIS REPORT

Rental of property

Date(s) on which inspection and testing was carried out 07 March 2021

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier Void

Address [REDACTED]

Description of premises

Domestic Commercial Industrial Other (include brief description)

Estimated age of wiring system 25 years

Evidence of additions / alterations Yes No Not apparent If yes, estimate age [REDACTED] yearsInstallation records available? (Regulation 651.1) Yes No Date of last inspection NA

SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report

Whole installation

Agreed limitations including the reasons (see Regulation 653.2) [REDACTED]

Suppliers seal. Communal areas/landlords' supply/access to origin of supply. Cables concealed in trunking, underfloor, in general fabric of building and in roof spaces.

Agreed with: [REDACTED]

Operational limitations including the reasons (see page no 1) [REDACTED]

Testing and inspection in accordance with BS7671:2018

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) as amended to 2018 ..

It should be noted that cables concealed within trunking 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.

SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety)

Satisfactory

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

Satisfactory * (Delete as appropriate)

* An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

SECTION 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 'Potentially 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 before 5 years

SECTION G. DECLARATION

I / We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Inspected and tested by:

Name Ajvinder Singh

Signature *A Singh*

For/on behalf of Inspectify

Position Qualified Supervisor

Address 53 Shaw Road, Dudley, West Midlands, DY2 8TP

Date 07 March 2021

Report authorised for issue by:

Name Ajvinder Singh

Signature *A Singh*

For/on behalf of Inspectify

Position Qualified Supervisor

Address 53 Shaw Road, Dudley, West Midlands, DY2 8TP

Date 07 March 2021

SECTION 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.

SECTION I. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors			Nature of Supply Parameters			Supply Protective Device			
	a.c.	<input checked="" type="checkbox"/>	d.c.	<input type="checkbox"/>	Nominal voltage, U / U ₀ ⁽¹⁾	230	V	BS (EN)	LIM	
TN-C	<input type="checkbox"/>	1-phase, 2-wire	<input checked="" type="checkbox"/>	2-wire	<input type="checkbox"/>	Nominal frequency, f ⁽¹⁾	50	Hz	Type	LIM
TN-S	<input type="checkbox"/>	2-phase, 3-wire	<input type="checkbox"/>	3-wire	<input type="checkbox"/>	Prospective fault current, I _{pf} ⁽²⁾	0.92	kA		
TN-C-S	<input checked="" type="checkbox"/>	3-phase, 3-wire	<input type="checkbox"/>	Other	<input type="checkbox"/>	External loop impedance, Z _e ⁽²⁾	0.09	Ω	Rated current	LIM
TT	<input type="checkbox"/>	3-phase, 4-wire	<input type="checkbox"/>	(Note: (1) by enquiry (2) by enquiry or measurement)			A			
IT	<input type="checkbox"/>	Confirmation of supply polarity					<input checked="" type="checkbox"/>			

Other sources of supply (as detailed on attached schedule)

SECTION J. PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing	Maximum Demand	
Distributor's facility <input checked="" type="checkbox"/>	Maximum Demand (load)	
Installation earth electrode <input type="checkbox"/>	Details of Installation Earth Electrode (where applicable)	
	Type (e.g. rods (s), tape etc)	
	Location	
	Electrode resistance to Earth	Ω

Main Protective Conductors

Earthing conductor	Material	Copper	csa	16	mm ²	Connection / continuity verified	<input checked="" type="checkbox"/>
Main protective bonding conductors (to extraneous-conductive-parts)	Material	Copper	csa	16	mm ²	Connection / continuity verified	<input checked="" type="checkbox"/>
To water installation pipes <input checked="" type="checkbox"/>	To gas installation pipes <input checked="" type="checkbox"/>	To oil installation pipes <input type="checkbox"/>	To structural steel <input type="checkbox"/>				
To lightning protection <input type="checkbox"/>	To other <input type="checkbox"/>	Specify					

Main Switch / Switch-Fuse / Circuit-Breaker / RCD

Location	DB1 Utility room	Current rating	100	A	If RCD main switch		
BS (EN)	60439	Fuse / device rating or setting	100	A	Rated residual operating current (I _{Δn})	NA	mA
No of poles	2	Voltage rating	230	V	Rated time delay	NA	ms
					Measured operating time (at I _{Δn})	NA	ms

SECTION K. OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the *Extent and limitations of inspection and testing* section No remedial action is required The following observations are made (see below):

OBSERVATIONS(S) <small>Include schedule reference, as appropriate</small>	CLASSIFICATION CODE

One of the following codes, as appropriate, has been allocated to each of the observations made above 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.
- FI – Further investigation required without delay.

CONDITION REPORT SCHEDULE OF INSPECTIONS for DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY

Ref: ELEC-4862

NOTE: This form is suitable for many types of smaller installation, not exclusively domestic.

OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION								OUTCOME <i>(Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in section K of the Condition Report)</i>					
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)													
1.1	Service cable								✓					
1.2	Service head								LIM					
1.3	Earthing arrangement								✓					
1.4	Meter tails								✓					
1.5	Metering equipment								✓					
1.6	Isolator (where present)								NA					
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)								NA					
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)								NA					
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 (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 (542.3.2; 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 switch (functional check) (643.10)								✓					
4.8	Manual operation of circuit-breakers and RCDs 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)								NA					
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)								NA					
4.13	Presence of other required labelling (please specify) (Section 514)								NA					
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; Sections 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 (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)								NA					
4.20	Confirmation of indication that SPD is functional (651.4)								NA					
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)								NA					
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)								NA					

OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION								OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in section K of the Condition Report)					
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)								LIM					
5.3	Condition of insulation of live parts (416.1)								✓					
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)								LIM					
	<ul style="list-style-type: none"> 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 of 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 (411.3.1.1; Section 543)								✓					
5.9	Wiring system(s) appropriate for the type and nature of installation and external influences (Section 522)								✓					
5.10	Concealed cables installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202)								LIM					
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. <i>Extent and limitations</i>) (522.6.204)								LIM					
5.12	Provision of additional protection by RCD not exceeding 30mA:													
	<ul style="list-style-type: none"> for all socket-outlets of rating 32A or less, unless an exception is permitted (411.3.3) 								✓					
	<ul style="list-style-type: none"> for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) 								NA					
	<ul style="list-style-type: none"> for cables concealed in walls at a depth of less than 50 mm (522.6.202, 522.6.203) 								LIM					
	<ul style="list-style-type: none"> for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203) 								LIM					
	<ul style="list-style-type: none"> Final circuits supplying luminaires within domestic (household) premises (411.3.4) 								NA					
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)								LIM					
5.14	Band II cables segregated / separated from Ban I cables (528.1)								LIM					
5.15	Cables segregated / separated from communications cabling (528.2)								LIM					
5.16	Cables segregated / separated from non-electrical services (528.3)								LIM					
5.17	Termination of cables at enclosures – indicate extent of sampling in Section D of the report (Section 526)													
	<ul style="list-style-type: none"> Connections soundly made and under no undue strain (526.6) 								✓					
	<ul style="list-style-type: none"> No basic insulation of a conductor visible outside enclosure (526.8) 								✓					
	<ul style="list-style-type: none"> Connections of live conductors adequately enclosed (526.5) 								✓					
	<ul style="list-style-type: none"> 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 (652.2 (v))								✓					
5.19	Suitability of accessories for external influences (512.2)								✓					
5.20	Adequacy of working space/accessibility of 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 (SECTION 701)													
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 and PELV met (701.414.4.5)								NA					
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)								NA					
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 particular zone (701.512.3)								✓					
6.8	Suitability of current-using equipment for particular position within the location (701.55)								NA					
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS													
7.1	List all other special installations or locations present, if any (Record separately the results of particular inspections applied)								NA					

Inspected by:

Name: Ajvinder Singh

Signature: *A Singh*

Date: 07 March 2021

GENERIC SCHEDULE OF TEST RESULTS

Ref: ELEC-4862

DB reference	DB1	Details of circuits / installed equipment vulnerable to damage when testing Smoke detectors if applicable	Details of test instruments used (state serial and/or asset numbers)	
Location	Utility room		Continuity	MFT090209/9408
Z_s at DB (Ω)	0.09		Insulation resistance	"
I_{pf} at DB (kA)	0.92		Earth fault loop impedance	"
Correct supply polarity confirmed	✓		RDC	"
Phase sequence confirmed	NA		Earth electrode resistance	"

Tested by:	Name:	Ajvinder Singh	Test results											
Signature:	Date:	07 March 2021	Ring final circuit continuity (Ω)	Continuity (Ω) (R ₁ +R ₂ or R ₂)	Insulation Resistance Test Voltage	Insulation Resistance (MΩ)	Polarity	Z _s (Ω)	RCD	AFD	D	Remarks (continue on a separate sheet if necessary)		
<i>A Singh</i>														

Circuit details											Test results													
Circuit no	Circuit description	Protective device						Conductor details			r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂	V	Live – Live	Live – Earth	Polarity	Z _s (Ω)	Disconnection time (ms)	RCD test button operation	Manual AFDD test button operation	Remarks
		BS (EN)	type	rating (A)	Breaking capacity (kA)	RCD I _{Δn} (mA)	Maximum permitted Z _s (Ω *)	Reference Method	Live (mm ²)	cpc (mm ²)														
1	LIGHTING	60898	B	6	6	30	7.28	B	1.5	1.0	NA	NA	NA	0.77	NA	500	200	200	✓	0.86	NA	NA	NA	
2	SOCKETS	60898	B	32	6	30	1.37	B	2.5	1.5	0.38	0.38	0.63	0.42	NA	500	200	200	✓	0.51	NA	NA	NA	
3	CENTRAL HEATING	60898	B	16	6	30	2.73	B	1.5	1.0	NA	NA	NA	0.30	NA	500	200	200	✓	0.39	NA	NA	NA	
4	LIGHTS	60898	B	6	6	30	7.28	B	1.5	1.0	NA	NA	NA	0.65	NA	500	200	200	✓	0.74	NA	NA	NA	
5	SPARE																							
6	SOCKETS	60898	B	32	6	30	1.37	B	2.5	1.5	0.42	0.42	0.69	0.47	NA	500	200	200	✓	0.56	28	✓	NA	
7	SOCKETS	60898	B	20	6	30	2.19	B	2.5	1.5	NA	NA	NA	0.26	NA	500	200	200	✓	0.35	28	✓	NA	
8	SPARE																							
9	SPARE																							
10	SPARE																							

* Where the maximum permitted earth fault loop impedance value stated in column 8 is taken from a source other than the tabulated values given in Chapter 41 of this Standard, state the source of the data in the appropriate cell for the circuit in the "Remarks" column (column 25) of the schedule.

CONDITION REPORT GUIDANCE FOR RECIPIENTS (to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. The person ordering the Report should have received the “original” Report and the inspector should have retained a duplicate.
3. The “original” Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. For safety reasons it is important that this instruction is followed.
5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. For items classified in Section K as C1 (“Danger present”), the safety of those using the installation is at risk, and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section K as C2 (“Potentially dangerous”), the safety of those using the installation may be at risk and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under ‘Recommendations’ and on a label at or near to the consumer unit/distribution board.

CONDITION REPORT INSPECTION SCHEDULE

GUIDANCE FOR THE INSPECTOR

1. Section 1.0. Where inadequacies in the intake equipment are encountered the inspector should advise the person ordering the work to inform the appropriate authority.
2. Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection. The absence of such protection should as a minimum be given a code C3 classification (item 5.12).
3. The schedule is not exhaustive.
4. Numbers in brackets are regulation references to specified requirements.