Electrical Installation Condition Report

Reference number: **EICR207** | Issue Date: **21/02/2024**

Contractor Details		Installation Address	Client Address
Company name: Echlipse Services Phone: 07903709658 Contractor name: Harpreet S C Hayer	Echlipse Services, Watermans Park 40a High Street Brentford Middlesex TW8 0BB	38 Chatsworth Road Hayes Greater London UB49EU	M3M Real Estate 1100 Uxbridge Road Hayes Greater London UB48QH

2) Reason for Producing Report

Reason	Date Inspected and Tested
EICR requested by landlord.	21/02/2024

3) Details of Installation Subject to This Report

Description of Premises	Domestic	Estimated age of Wiring System	N/V
Evidence of Additions/Alterations	No	If Yes, estimated age	N/A
Installation Records Available? (Reg. 651.1)	Not available	Date of Last Inspection	

4) Extent and Limits of Inspection and Testing

Extent of the electrical installation covered by this report		Agreed limitations including the reasons, see Regulations 634.2
100% of installation		BS 7671:2018
Limitations agreed with		Operational limitations including the reasons
Name	Harpeeet S C Hayer	
Position	Qualified inspector	

5) Summary of Installation Condition

See "General Condition of Installation" for electrical safety summary	
Assessment of the electrical installation, in terms of suitability for continued use	Satisfactory

Please Note: An "Unsatisfactory" assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

6) Recommendation

Where the overall assessment of the suitability of the installation for continued use is stated as "Unsatisfactory", I/We recommend that any observations classified as code "C1" (Danger Present) or code "C2" (Potentially Dangerous) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as "F1" (Further Investigation Required). Observations classified as code "C3" (Improvement Recommended) should be given due consideration.

Subject to the necessary remedial action being taken, I/We recommend that the installation is further inspected and tested after an interval of not more than	5 years (or change of Tenant/Owner)

Please Note: The proposed next inspection date should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended lifetime. This period should be agreed between the relevant parties.

8) General Condition of Installation

General condition of this installation, in terms of electrical safety
installation up to standards and satisfaction

9) Declaration

Being the competent person(s) responsible for the inspection and testing of this electrical installation (as indicated by below signatures), the particulars of which described above, having exercised reasonable skill and care when carrying out inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provide an accurate assessment of the condition of the electrical installation, taking into account the stated extent and limitations in section 4 of this report.

		For the Inspection, Testing and Assessment of this report	
Company Details	Echlipse Services Echlipse Services, Watermans Park 40a High Street Brentford Middlesex TW8 0BB	Name	Harpreet S C Hayer
		Position	
		Signature	
Registration Number (if applicable)	62328		
Phone Number	07903709658	Date	20/02/2024

10) Supply Characteristics and Earthing Arrangement

Earthing Arrangement		Number and Type of Live Conductors					
TN-S	N/A	AC	Yes	1 Phase (2 wire)	Yes	DC	No
TN-C-S	Yes	1 Phase (3 wire)	N/A	2 Phase (3 wire)	N/A	2 Pole	N/A
TN-C	N/A	3 Phase (3 wire)	N/A	3 Phase (4 wire)	N/A	3 Pole	N/A
TT	N/A	Other				Other	N/A
IT	N/A	Confirm Supply Polarity					Yes

Nature of Supply Parameters					Supply Protective Device	
Nominal Voltage(s)	U	400 V	Uo	230 V	BS(EN)	BS EN 60947-3 Isolator
Nominal Frequency, f	50 Hz	Prospective Fault Current, Ipf		kA	Type	B
External Earth Fault Loop Impedance, Ze	0.21 Ω	Number of Supplies		1	Rated Current	100 A
					Short-circuit Capacity	kA

11) Particulars of installation referred to in certificate

Means of Earthing		Details of Installation Earth Electrode			
Distributor's Facility	Yes	Type	N/A	Resistance to Earth:	N/A
Installation Earth Electrode	No	Location	N/A	Method of Measurement	N/A
Maximum Demand (Load)	N/A	Protective Measures Against Shock			N/A

Main Switch/ Switch Fuse/ Circuit Breaker/ RCD				If RCD Main Switch	
BS (EN)	BS EN 60947-3 Isolator			Rated Residual Operating Current (IΔn)	mA
Number of Poles	1	Current Rating	100 A	Rated Time Delay	ms
Device/Fuse Rating	100 A	Voltage Rating	240 V		
Supply Conductor Material	Copper	Supply Conductor CSA	16 mm²	Measured Operating Time (at IΔn)	ms

Earthing and Protective Bonding Conductors			Bonding of Extraneous Conductive Parts	
	Earthing Conductor	Main Protective Bonding Conductors	To Water Installation Pipes	Yes
			To Gas Installation Pipes	Yes
Conductor Material	Copper	Copper	To Oil Installation Pipes	N/A
Conductor CSA	16 mm²	16 mm²	To Lightning Installation Protection	N/A
Connection/Continuity Verified	Yes	Yes	To Structural Steel	N/A
			To Other Services	N/A

12) Inspection Schedule

Item	Description	Comment	Outcome
1.0	**External Condition of Intake Equipment (Visual Inspection Only)**		
1.1	Service Cable	N/A	Pass
1.2	Service Head	N/A	Pass
1.3	Earthing Arrangement	N/A	Pass
1.4	Meter Tails	N/A	Pass
1.5	Metering Equipment	N/A	Pass
1.6	Isolator (where present)	N/A	Pass
2.0	**Presence of adequate arrangements for other sources such as microgenerators (551.6; 551.7)**	N/A	N/A
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)	N/A	Pass
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	N/A	Pass
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	N/A	Pass
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	N/A	Pass
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	N/A	Pass
3.6	Confirmation of main protective bonding conductor sizes (544.1)	N/A	Pass
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	Pass
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	N/A	Pass
4.0	**Consumer unit(s) / Distribution board(s)**		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	N/A	Pass
4.2	Security of fixing (134.1.1)	N/A	Pass
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	Pass
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	N/A	Pass
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	N/A	Pass
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)		
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; Sections 432, 433)		
4.15	Single-pole switching or protective devices inline conductor only (132.14.1; 530.3.3)		

13) Inspection Schedule

Item	Description	Comment	Outcome
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)	N/A	Pass
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	N/A	Pass
5.3	Condition of insulation of live parts (416.1)	N/A	Pass
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	Pass
	To include the integrity of conduit and trunking systems (metallic and plastic)	N/A	Pass
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	N/A	Pass
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	N/A	Pass
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	N/A	Pass
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	N/A	Pass
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	N/A	Pass
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	N/A	Pass
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)	N/A	Pass
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA:		
	for all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	N/A	Pass
	for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	N/A	Pass
	for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	N/A	C3
	for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	N/A	Pass
	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	N/A	Pass
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	Pass
5.14	Band II cables segregated/separated from Band I cables (528.1)	N/A	Pass
5.15	Cables segregated/separated from communications cabling (528.2)	N/A	Pass
5.16	Cables segregated/separated from non-electrical services (528.3)	N/A	Pass
5.17	Termination of cables at enclosures - indicate the extent of sampling in Section D of the report (Section 526)		
	Connections soundly made and under no undue strain (526.6)	N/A	N/A

14) Inspection Schedule

Item	Description	Comment	Outcome
	No basic insulation of a conductor visible outside enclosure (526.8)		
	Connections of live conductors adequately enclosed (526.5)		
	Adequately connected at the point of entry to the 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)	N/A	Pass
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	Pass
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	Pass
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A	Pass
6.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 (701.512.3)	N/A	Pass
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	Pass
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A	Pass
6.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	Pass
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.)		
7.1.1	N/A		Pass
7.1.2	N/A		Pass
7.1.3	N/A		Pass

Outcomes

Pass	Found to be in acceptable condition.	**C1**	Danger Present: Serious risk of injury. Immediate remedial action is required.
C2	Potentially Dangerous: Urgent remedial action is required.	**C3**	Improvement recommended
FI	Further Investigation is required without delay	**N/V**	Not Verified
LIM	Limitation	**N/A**	Not Applicable

15.1.1 Distribution board details

Distribution board details - All given values only applies at this board

Board reference:DB1	Zs (Ω):0.15	Ipf (kA):	Main switch type (BSEN):60947-3 Isolator	Rating (Amps):100	Supply (mm²):25	Earth (mm²):16	Board location:Airing Cupboard
Phase sequence confirmed (where appropriate):Yes			Supplied from:DB1	No. of phases:Single	Supply protective device type (BSEN):BS EN 60947-3 Isolator		Rating (Amps):100

Circuit details | Test results

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Protective devices					Continuity (Ω)					Insulation resistance					Polarity	Max measured Zs Ω	RCD			Manual AFDD test button
					Live (mm²)	Cpc (mm²)		Type BS (EN)	Rating (A)	Operating current (mA)	Short circuit capacity (kA)	Max Zs Permitted (Ω)	Ring final circuits only (Measured end to end)			All circuits		Test voltage (V)	Live - Live	Live - Neutral	Live - Earth	Neutral - Earth			Disconnection time (ms)		RCD test button	
													r1	rn	r2	R2	R1 + R2								1x	5x		
	RCD Module	A	N/A	6	16	N/A	0.4	BS EN 61008 RCD	63	30	6		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes				Yes	No
	Cooker	A	N/A	1	4	1.5	0.4	BS EN 60898 MCB - Type B	32	30	6	1.34	N/A	N/A	N/A	N/A	0.22	500	>200	>200	>200	>200	Yes	0.82	30	7	Yes	No
	Sockets	A	N/A	8	2.5	1.5	0.4	BS EN 60898 MCB - Type B	32	30	6	1.34	N/A	N/A	N/A	N/A	0.22	500	>500	>500	>500	>500	Yes	1.35	34	8	Yes	N/A
	Sockets	A	N/A	7	2.5	1.5	0.4	BS EN 60898 MCB - Type B	16	30	6	1.34	N/A	N/A	N/A	N/A	0.22	500	>200	>200	>200	>200	Yes	1.51	32	7	Yes	N/A
	Water heater	A	N/A	1	2.5	1.5	0.4	BS EN 60898 MCB - Type B	20	30	6	1.34	N/A	N/A	N/A	N/A	0.81	500	>200	>200	>200	>200	Yes		32	7	Yes	N/A
	1st floor lights	A	N/A	10	1.5	1.0	0.4	BS EN 60898 MCB - Type B	6	30	6	7.28	N/A	N/A	N/A	N/A	1.14	500	>500	>500	>500	>500	Yes	1,34	34	8	Yes	No
	2nd floor lights	A	N/A	4	1.5	1.0	0.4	BS EN 60898 MCB - Type B	6	30	6	7.28	N/A	N/A	N/A	N/A	1.11	500	>200	>200	>200	>200	Yes	1.45	32	7	Yes	N/A

16) Board Characteristics

Applies when the board is not connected to the origin of the installation							
Supply to this distribution board is from		DB1				Number of Phases	1
Confirm Supply Polarity	Pass	Overcurrent protective device from the distribution circuit:		BS EN 61009 RCD/RCBO - TYPE B			
Rating	100 A	Nominal Voltage	V	Zs	0.7 Ω	Ipf	kA
RCD	BS EN 61008 RCD			Number of Poles	1	Rating	30 mA
Disconnection time at In		ms		Disconnection time at 5In			ms

17) Test Instruments

Details test instruments used			
Multifunctional	MEGER MFT1711	Insulation Resistance	
Earth Electrode Resistance	MEGER MFT1711	Earth Fault Loop Impedance	MEGER MFT1711
Continuity	MEGER MFT1711	RCD	MEGER MFT1711

18) Tested By

Engineer Name	Harpreet S C Hayer	Engineer Signature	
Engineer Registration Number	62328		
Date	21/02/2024		

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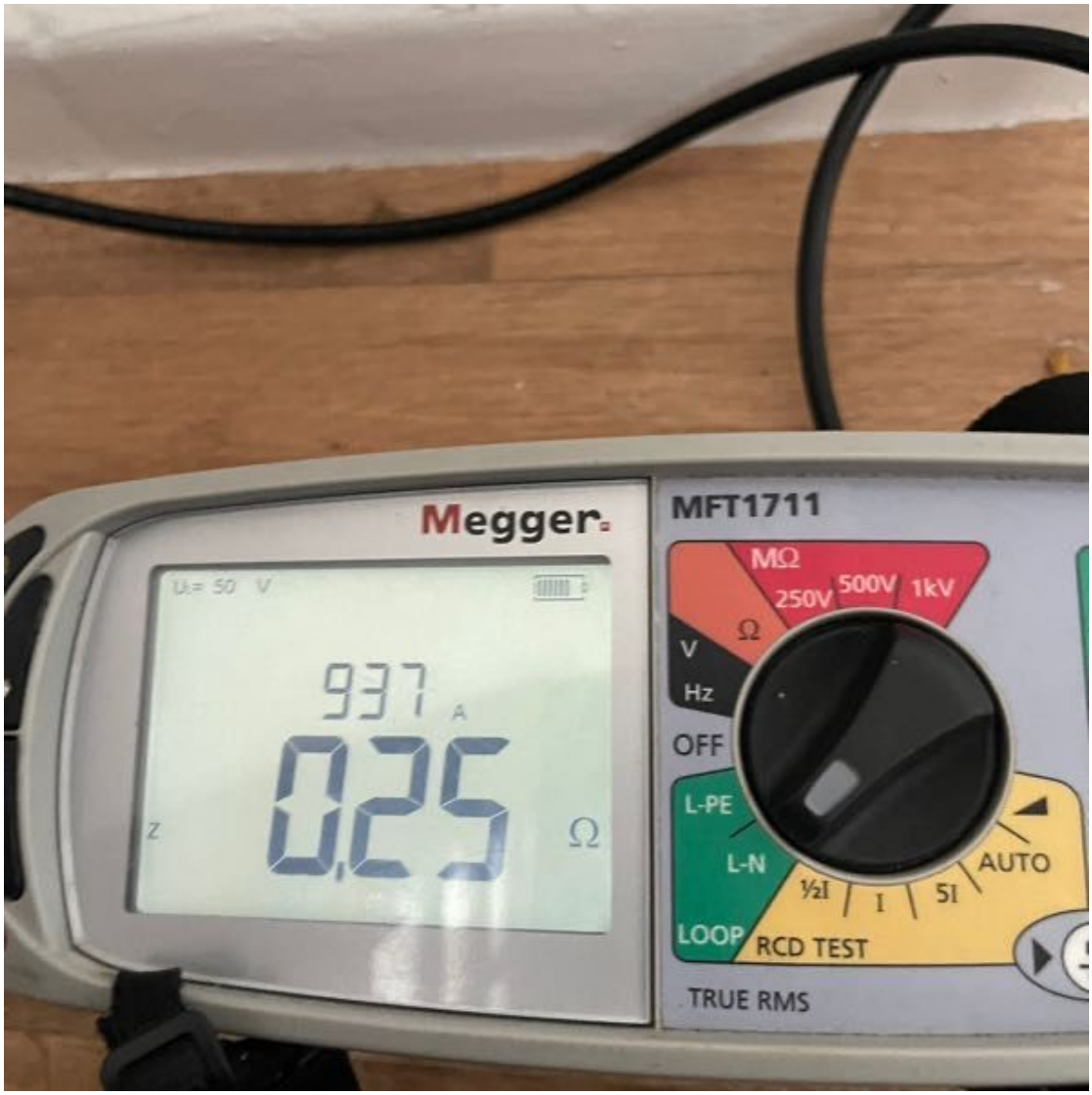
Attachment



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