DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations Report Reference:

1 DETAILS OF THE PERSON ORDERING THE REPORT	
Client: MR MARRS	
Address: 28 FUSEHILL STREET, CARLISLE, CUMBRIA	
7 REASON FOR PRODUCING THIS REPORT	
Reason for producing this report:	
Safety assessment requested by client.	
Date(s) on which inspection and testing was carried out: 11/12/2019	
DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT	
Installation Address: AS ABOVE	
Estimated age of wiring system: 20 years Evidence of additions/ alterations: Yes if yes, estimated age: 15	years
Installation records available? (Regulation 651.1) Date of last inspection: N/A	
4 EXTENT AND LIMITATIONS OF INSPECTION AND TESTING	
Extent of the electrical installation covered by this report:	
100% of the installation.	
Agreed limitations including the reasons (see Regulation 653.2): No Lifting of floor boards or inspection of loft space.	
No Enting of floor boards of inspection of fort space.	
Agrood with	
Agreed with: Operational limitations including the reasons:	
operational initiations including the reasons.	
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 f	abric
It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the form of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the specific of the production. As inspection, and inspector prior to the production of the produc	
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of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to t inspection. An inspection should be made within an accessible roof space housing other electrical equipment. Summary Of the Condition of the Installation in terms of electrical safety. Overall assessment of the installation in terms of it's suitability for continued use*: * An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2)	

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{$

5 Years

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

Investigation without delay is recommended for observations identified as 'FI - Further Investigation Required'.

Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

as a matter of urgency.

	here are no items adversely affecting electrical he following observations and recommendation	or	
Item No		Observations	Classification Code
1			
responsik	ole for the installation the degree of urgency for		
Risk	ger Present of injury. Immediate edial action required C2 Potentially da Urgent remedia required	ngerous C3 I mprovement FI Further investigation recommended required w	vestigation vithout delay
l mmedia	ate remedial action required for items:	N/A	
Urgent r	remedial action required for items:	N/A	
l mprove	ement recommended for items:	N/A	
Further	investigation required for items:	N/A	
his form	is based on the model shown in Appendix 6 of		Page: 2 of

OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1

8 GENERA General condi	AL COND																	
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9 DECLAR	PATION																	
I/We, being the		s) respons	sible for the	e inspe	ction a	nd tes	ting of the	e elec	ctrical ins	stallatio	n (as	indicated	by my/o	our				
signatures below inspection and to																		
provides an acc	urate asses															S		
in section 4 of t Trading Title:	his report. A LIGHT	FOOT																
Address:		G STREE	т					Re	egistratio	ın Numl	ner							
	WIGTON	N	. •						applicab		501							
	CUMBRI	A						Te	elephone	Numbe	er:	07836	64103	3				
				Posto	rode:	CA7	0DT											
For the INSPE			ND ASSES	SSMEN		-					0 1/1							
Name:	Andrew	l	Position:		Eng	ineer	S	ignat	ure:	A			Date: 1	1/1: 	2/201	9		
	ISTRUMI																	
Details of Tes Multi-functional		nts used (state seria diolog	l and/d	or asset		oers): arth electr	odo r	ocietano	O .			NA					
			ulolog									IVA						
Insulation resist	tance:						arth fault l	oop i	mpedand	ce:								
Continuity:							CD:									_		
11 SUPPLY Earthing	CHARA				ARTH						1							
Arrangements		umber and Cond	I Type of Livuctors 1-phase	ve -			lature of S	upply	y Parame	eters	- 1	Supply	tive E	Device	:			
TN-S	¦ 1-phase ¦ (2 wire):	N/A	(3 wire)		,	Nomina voltage	11.	240	V Uo:	230 V		BS(EN): 136		61 Fuse HE				
TV 0 0 NI/A	3-phase (3 wire):	N/A	3-phase (4 wire)	1/1	/A :	Nominal f			ency, f:	50	Hz	Type:		2				
TN-C-S N/A	Control of the contro		N/A	, .			Prospectiv		ult	1765	νΛ .	Rated cu	rrent:	8	0 A	1		
TT N/A							current, l	51.			NA !	Short-cir		33	3 kA	١		
	¦ Confirmat	ion of sup	oply polarit	y: (External earth fault loop impedance, Ze:					capacity:						
	ULARS (OF INS	TALLATI						E CERT									
Means of Earth Distributor's				Detai		nstallat	tion Earth		rode (wh	nere app	olicab							
facility: Installation		Type Resis	: stance		N/A		Location Method					N/A						
earth electrode:	N/A	to Ea	rth:		Ω		measure	men	t:			N/A						
Maximum Dema	and (Load):				ctive me st elect				ADS	S								
Main Switch / S	witch-Fuse	/ Circuit-	Breaker / F				Supply					main swit	tch:			-		
DO(LIV).	1293 RCD	Cui	rrent rating	j:	100	A	conduct		Сорре			residual ing currer	nt (l∆n):		30 n	nΑ		
Number of poles: 2			ating		Α	material Supply	:			•	_	ng current (l∆n): ime delay:			ms			
or setting: Voltage rating:					240	V	conduct	ors	ors 25 mm ²			-	ed operating			ms		
Earthing and Pro	otective Bo						csa: Bon	 ding (of extran			at I∆n): tive parts			18 r			
Earthing conduc		3		Conn	ection/		To v	vater	installati		/	To gas	installat	tion	~	,		
Conductor material:	Copper	csa:	16 mm ²	contir verifi	ed:	'	pipe To d	To ligh	olightning									
Main protective	bonding co	nductors			ection/		pipe	s:				protect To othe	ion: er servic	:e(s):				
Conductor	Copper	csa:	10 mm ²	contir	nuity	~	lo s	truct	ural				N/A	Α				

Ref: __

13/11	ISPECTION SCHEDULE FOR DOMESTIC AND SIMILAR F	PREMISES WITH UP TO 100	4
Item	Description	Comments	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECT	ION ONLY)	
1.1	Service cable	N/A	~
1.2	Service head	N/A	~
1.3	Earthing arrangement	N/A	~
1.4	Meter tails	N/A	~
1.5	Metering equipment	N/A	~
1.6	Isolator (where present)	N/A	~
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)		I
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	N/A	•
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	N/A	•
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	N/A	•
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	N/A	~
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	N/A	~
3.6	Confirmation of main protective bonding conductor sizes (544.1)	N/A	~
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	•
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	N/A	~
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	~
4.2	Security of fixing (134.1.1)	N/A	~
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	~
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	N/A	✓
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	N/A	~
4.6	Presence of main linked switch (as required by 462.1.201)	N/A	~
4.7	Operation of main switch (functional check) (643.10)	N/A	~
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	N/A	~
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	N/A	~
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	N/A	~
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	N/A	~
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	N/A	'
4.13	Presence of other required labelling (please specify) (Section 514)	N/A	/
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)	N/A	•
OUTCON Accepta conditio	ble TICK Unacceptable C1 or C2 Improvement C2 Further	verified N/V Limitation LIM appl	ot N/A

4 11	ISPECTION SCHEDULE FOR DOMESTIC AND SIMILAR F	PREMISES WITH UP TO 100	4
Item	Description	Comments	Outcome
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	N/A	~
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)	N/A	•
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	N/A	•
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A	
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	N/A	~
4.20	Confirmation of indication that SPD is functional (651.4)	N/A	'
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure	N/A	•
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A	~
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	•
5.0	FINAL CIRCUITS		
5.1	Identification of conductors (514.3.1)	N/A	✓
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	N/A	'
5.3	Condition of insulation of live parts (416.1)	N/A	✓
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	•
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	N/A	•
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	N/A	~
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	N/A	~
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	N/A	~
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	N/A	~
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	N/A	✓
5.10	Concealed cables installed in prescribed zones (see Section 4. Extent and Limitations) (522.6.202)	N/A	✓
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section 4. Extent and	N/A	•
5.12	Provision of additional requirements for protection by RCD not exc	ceeding 30mA:	
5.12.1	For all socket-outlets of rating 32A or less, unless an exception is permitted (411.3.3)	N/A	~
5.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	N/A	~
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	N/A	~
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	N/A	~
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	N/A	~
OUTCON	MES		
Acceptal condition	ble TICK Unacceptable C1 or C2 Improvement C2 Further		lot icable N/A
	n is based on the model shown in Appendix 6 of BS 7671:2018.	vermed appr	Page: 5 of

15/IN	ISPECTION SCHEDULE FOR DOMESTIC AND SIMILAR F	PREMISES WITH UP TO 100A	4
Item	Description	Comments	Outcome
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	~
5.14	Band II cables segregated/separated from Band I cables (528.1)	N/A	✓
5.15	Cables segregated/separated from communications cabling (528.2)	N/A	✓
5.16	Cables segregated/separated from non-electrical services (528.3)	N/A	✓
5.17	Termination of cables at enclosures - indicate extent of sampling i (Section 526)	n Section 4 of the report	
5.17.1	Connections soundly made and under no undue strain (526.6)	N/A	✓
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	N/A	✓
5.17.3	Connections of live conductors adequately enclosed (526.5)	N/A	✓
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	N/A	~
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))	N/A	~
5.19	Suitability of accessories for external influences (512.2)	N/A	~
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	N/A	~
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	N/A	~
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	N/A	
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A	
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)	N/A	
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A	
6.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separ	rately the results of particular inspection	ons)
7.1	N/A	N/A	
7.2	N/A	N/A	
7.3	N/A	N/A	
7.4	N/A	N/A	
7.5	N/A	N/A	
7.6	N/A	N/A	
7.7	N/A	N/A	
7.8	N/A	N/A	
7.9	N/A	N/A	
7.10	N/A	N/A	
OUTCOM Acceptal condition	MES Unacceptable 1 mprovement 1 ca Further 1 FI	verified N/V Limitation LIM appli	ot N/A

16 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Designation of Prospective fault 17/5 L																												
Designation of consumer unit:				3. 1	1						Location: LOUNGE CUBORD									ospec rrent:		fault	1765		kΑ			
Consu	THE GIRE.						cond	cuit uctors:	time 57671	Overcur	rent pr		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms	s)		nsulation esistance	110111		nred	R	CD	AFDD
Circuit number		Circuit designati	on	Type of wiring	Reference Method	Number of points served	Live		Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	₹ Capacity	g Operating ➤ current, I∆n	Maximum Z_Spermitted by B[§]	(measi	inal circui ured end rn (Neutral)	to end)	(one co	rcuits blumn to ppleted)	ΩM Live - Live	ΩM Live - Earth	< Test voltage	▼ Polarity	Maximum measured B earth fault loop Impedance 7s	B Disconnection time	Test button operation	Test button operation
1	COOKER			Α	В	1	6	2.5	0.4	3871	В	30	6		1.46				0.31	N/A		> 200	500	~	0.60			~
2	SOCKETS	GROUND FL	OOR	Α	В	10	2.5	1.5	0.4	3871	В	30	6		1.46				0.32	N/A		> 200	500	~	0.56			
3	SOCKETS	FIRST FLOO	R	Α	В	8	2.5	1.5	0.4	3871	В	30	6		1.46				0.33	N/A		> 200	500	~	0.61			
4	BOILER			Α	В	1	2.5	1.5	0.4	3871	В	15	6		2.92				0.28	N/A		> 200	500	~	0.38			
5	LIGHTS DO	NWC		Α	В	8	1.0	1.0	0.4	3871	В	5	6		8.74				1.39	N/A		> 200	500	~	1.96			
6	LIGHTS FI	RST FLOOR		Α	В	7	1.0	1.0	0.4	3871	В	5	6		8.74				1.98	N/A		> 200	500	~	2.89			
7	SHOWER			Α	В	1	6	2.5	0.4	3871	В	40	6		1.09				0.30	N/A		> 200	500	~	0.42			
8																												
		A	В			С	-			D			F			F		1	G		Н				0 - 0	ther		
TYP		hermoplastic lated/sheathed cables	Thermoplastic cables in metallic conduit			ermop cables		it	С	rmoplastic ables in Ilic trunking	r		rmop ables			Thermor			mosettin 'A cables		Minera nsulated o				N/			

DOMESTIC ELECTRICAL INSTALLATION 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 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.
- 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 4 (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 4.
- 7. For items classified in Section 7 as C1 ('Danger present'), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
- 8. For items classified in Section 7 as C2 ('Potentially dangerous'), the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
- 9. Where it has been stated in Section 7 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 6).

 10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a
- 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 6 of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.