DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations
Report Reference: 3833

1 DETA	ALS OF T	HE PERSC	ON ORDERIN	G THI	E REPORT									
Client:	nt: Arches Housing Ltd													
Address:	122 Burngreave Road, Sheffield, S3 9DE ASON FOR PRODUCING THIS REPORT													
2 REAS	ON FOR I	PRODUCI	NG THIS REF	PORT										
Reason fo	r producing t	:his report:												
To assess	compliance	with BS 767	71.											
Date(s) on v	which inspect	tion and testi	ing was carried ou	ut:	25/04/2022									
3 DETA	ALS OF T	HE INSTA	ALLATION WI	HICH	IS THE SUBJECT	T OF THI	S REPORT							
<u> </u>	n Address:			ester F	House Landlord Supp									
Estimated a	ge of wiring s	system:	25 years		Evidence of additions/	N/A i	if yes, estimated age:	N/A	years					
Installation	records avail	able? (Regula	ation 651.1)	N/A	interations.	Date of las	Date of last inspection:							
⊿ EXTE	NT AND L	_IMITATI	ONS OF INSE	PECTI	ON AND TESTIN	NG								
			covered by this re											
Full														
_		_	ons (see Regulation											
25% of th	e installatioi	n in accorda	ance with item :	3.8.2 0	f Guidance Note 3.									
Agreed with	:	Arches Ho	ousing Ltd											
		ncluding the r	reasons:											
Communa	l areas													
7671:2018 It should be of the buildi	(IET Wiring Renoted that one or undergot	Regulations) a cables concea ground, have	as amended to 20 aled within trunkin not been inspect	020. ng and e ed unle	anying schedules have conduits, under floors ss specifically agreed e roof space housing o	, in roof spa between th	aces, and generally we be client and inspector	ithin the						
5 SUMI	MARY OF	THE CON	DITION OF T	HE II	NSTALLATION									
See page	3 for a summ	nary of the ge	eneral condition of	of the in	nstallation in terms of	electrical sa	afety.							
Overall ass		the installa	ation in terms o	f it's su	uitability for		UNSATISFACTO	RY						
* An unsat			ndicates that da	angero	us (Code C1) and/o	r potentia	lly dangerous (Code	e C2)						

6 RECOMMENDATIONS

where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.

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.

Subject to the necessary remedial action being taken, I/we recommend that

the installation is further inspected and tested by:

5 Years or change of tenant/owner

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.

	eport under Extent of the Installation and here are no items adversely affecting electrical:	safety	
N/A T	he following observations and recommendations	or s are made	
Item No		Observations	Classification Code
responsi C1 Dar Risk	ne following codes, as appropriate, has been alloole for the installation the degree of urgency for nger Present c of injury. Immediate required required	ngerous C3 Improvement FI Further inv	
Immedi	ate remedial action required for items:	N/A	
Urgent	remedial action required for items:	N/A	
Improve	ement recommended for items:	N/A	
	investigation required for items:	N/A	

Ref: 3833

Page: 2 of 7

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

	RAL CON ndition of the						_										
Good		ic installati		11113 01 0	reeti iedi	surety,).										
	ARATION g the persor		nsible for	the insr	nection au	nd test	ting of the e	electrica	l installati	ion (as	indicated	hy my/a	nur				
signatures be	elow), partic	culars of w	hich are d	describe	d above,	havin	g exercised	reasona	able skill a	and car	e when ca	rrying o	out the				
inspection ar provides an a																	
in section 4			i the con	uition oi	i the elec	liicai	iristaliation	taking ii	nio accou	iii tiie	stateu exti	ent and	IIIIIIIIIIIII				
Trading Title	: Earth I	Electrical	Respons	e Ltd													
Address:					Registr	ation Nur	nber	16147									
	Dronfi	eld						(if appl	icable):								
								Teleph	one Numb	oer:	07833	60836	3				
				Pos	stcode:	S18 ²	1WD										
For the INS	PECTION.	TESTING	AND ASS	SESSME	FNT of th	ne ren	ort:										
Name:	Michael S		Positi			rician		nature:	1	MSLGO	w)	Date: 2	25/04/2022				
Report revi							9				.,						
Name:	Tim Tu		Positi		Elect	rician	Sign	nature:		3	Sur 1	Date: 2	25/04/2022				
10 TEST	INSTRU	MENTS															
Details of 1	Гest Instrum	nents used			or asset												
Multi-functio	nal:		90430)63		Ea	rth electrod	le resist	ance:		9043063						
Insulation re	sistance:		90430	063		Ea	rth fault loc	p imped	dance:	9043063							
Continuity:			90430	63		RC	:D:				90	9043063					
	LY CHAR	ACTERI	STICS	and i	EARTH	ING	ARRANG	SEMEN	ITS								
Earthing Arrangemen	its i	Number an	nd Type of	Live		Ν	ature of Sup	oply Para	ameters		Supply	Protec	tive Device				
TN-S	1-phase (2 wire)	Con	ductors 1-ph (3 w	ase	NI/A :	lomina	U: 2	240 v	Uo: 230	0 v ¦	BS(EN):		LIM				
5	3-phase		3-ph	250	N/A	oltage ر	(s): Nominal fre	anopey	f. EO	!	Type:		-				
TN-C-S N/	(3 wire)): IN/A	(4 w	ire):	IN/A		Prospective		1. 30	Hz			100 A				
01/	Cther:		N/A				current, lpf:		0.16	6 kA	Rated cur Short-circ						
TT N//		ation of su	apply pola	arity:	~		External ear loop impeda		2 Ω capacity:								
12 PART	ICULARS	OF INS	STALLA	TION	REFEF	RRED	TOINT	HE RI	EPORT								
Means of Ea	arthing	- !		Det	ails of In	stallat	ion Earth El	ectrode	(where a	oplicab	le)						
Distributor's facility:	•	1 3.			N/A		Location:				N/A						
Installation earth electro	N/	Λ	istance arth:	N/A	Ω		Method of measurem	ent:			N/A						
Maximum De		d): -	Amps		ective me nst electr		(s)		ADS								
Main Switch	 / Switch-Fus	se / Circuit	 -Breaker							 If RCD	main swit	 ch:					
Type BS(EN): 6	0947-3 Iso	lator c	urrent rat	ing:	100	Α	Supply conductors	s Co	pper		residual	. (14.)	- mA				
Number	2	Fu	use/devic	e rating		Α	material:		pppe.		time delay	rrent (l∆n): lelay: N/A					
of poles:	_		setting:		0.40		Supply conductors	s 25	mm ²		red operat						
			oltage rat	ing:	240	V	csa:			time (at l∆n):		- ms				
Earthing and Earthing cond		Bonding Co	nductors	Co	nnection	/		ng of ext ter insta		conduc	tive parts To gas	installat	tion				
Conductor	Copper	csa:	16 m	nm ² col	ntinuity	/	pipes:			•	pipes: To light						
material:	11.			ve	rified:	-	To oil	installat	ion	N/A	protect	_	N/A				
Main protecti	ive bonding	conductors	;	Co	nnection	/	pipes:				To othe		20(0)				

Ref: 3833

13 IN	ISPECTION SCHEDULE FOR DOMESTIC & SIMILAR PRE	MISES WITH UP TO 100A S	UPPLY
Item	Description	Comments	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTI	ON ONLY)	
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 MI CROGENERATORS (551.6; 551.7)	-	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)	-	✓
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)	-	✓
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 (543.3.2; 544.1.2)	-	•
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	-	LIM
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)	-	•
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)	-	~
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)	-	V
OUTCOM Acceptal condition	ble Unacceptable ClarC3 Improvement C3 Further	Not Verified N/V Limitation LIM applie	, VI \ V

14/11	ISPECTION SCHEDULE FOR DOMESTIC & SIMILAR PRE	MISES WITH UP TO 100A S	UPPLY								
Item	Description	Comments	Outcome								
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)	-	N/A								
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	-	V								
4.22											
4.23											
5.0	FINAL CIRCUITS										
5.1	Identification of conductors (514.3.1)	-	LIM								
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)	-	~								
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 (411.3.1; 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 4. Extent and Limitations) (522.6.202)	-	LIM								
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section 4. Extent and Limitations) (522.6.204)	-	LIM								
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)	-	~								
5.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	-	~								
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	-	~								
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	-	~								
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	-	~								
OUTCOM Acceptal condition	ble Unacceptable Clarca Improvement Ca Further	verified N/V Limitation LIM appli	ot N/A								

15 IN	ISPECTION SCHEDULE FOR DOMESTIC & SIMILAR PRE	MISES WITH UP TO 100A S	UPPLY
Item	Description	Comments	Outcome
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	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)	-	✓
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 30mA (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)	-	LIM
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m 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 List all other special installation or locations present, if any. (Record separ	rately the results of particular inspection	ons)
7.1		-	•
7.2		-	'
7.3		-	'
7.4		-	✓
7.5		-	'
7.6		-	'
7.7		-	~
7.8		-	~
7.9		-	✓
7.10		-	✓
OUTCOM Acceptal conditio	ble Unacceptable Clar C3 Improvement C3 Further	Not N/V Limitation LIM appli	ot N/A

Ref: 3833

16 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Designation of P. R. 1 Legation Leg																										
Desi	D.B. 1						Locatio		Hall									spec rent:		fault	t 1.6 kA		kA			
0011001					Circuit conductors:		time 57671		current protective devices			RCD	BS7671	Circuit impedances (Ohms)					Insulation resistance			nred	RC	CD	AFDD	
Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by B9	0	inal circui ured end rn (Neutral)	,	(one co	rcuits lumn to pleted)	Δ Δ Δ	Σ Live - Earth	< Test voltage	Polarity	Maximum measured Θ earth fault loop impedance 7s	B Disconnection time	Test button operation	Test button operation
1	Cleaner/garden/refuse lights	А	С	7	1.5	1.0	5	3871	2	5	10	N/A	6.18	N/A	N/A	N/A	1.84	N/A	N/A	> 200	500	~	2.0	N/A	~	N/A
2	Passage and emergency lights	А	С	26	1.5	1.0	5	3871	2	5	10	N/A	6.18	N/A	N/A	N/A	1.98	N/A	N/A	> 200	500	~	2.14	N/A	~	N/A
3	Photocell	А	С	1	1.5	1.0	5	3871	2	5	10	N/A	6.18	N/A	N/A	N/A	0.34	N/A	N/A	> 200	500	~	0.52	N/A	N/A	N/A
4	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Laundry sockets	А	С	1	2.5	1.5	0.4	3871	2	15	10	N/A	2.08	N/A	N/A	N/A	0.47	N/A	N/A	> 200	500	~	0.63	N/A	~	N/A
6	TV and Door	А	С	2	2.5	1.5	5	3871	2	30	10	N/A	1.04	N/A	N/A	N/A	0.38	N/A	N/A	> 200	500	~	0.54	N/A	~	N/A
7	Common room skts	А	С	5	2.5	1.5	0.4	3871	2	30	10	N/A	1.04	0.55	0.59	1.05	0.52	N/A	N/A	> 200	500	~	0.68	N/A	~	N/A
8	Dryer	А	С	1	2.5	1.5	0.4	3871	2	30	10	N/A	1.04	N/A	N/A	N/A	0.5	N/A	N/A	> 200	500	~	0.56	N/A	~	N/A
9	Washing machine	А	С	1	2.5	1.5	0.4	3871	2	30	10	N/A	1.04	N/A	N/A	N/A	0.48	N/A	N/A	> 200	500	~	0.62	N/A	~	N/A
10	Fire Alarm	А	С	1	1.5	1.0	5	3871	2	5	10	N/A	6.18	N/A	N/A	N/A	0.65	N/A	N/A	> 200	500	~	0.81	N/A	N/A	N/A
11	Laundry/Refuse light	А	С	2	1.5	1.0	5	3871	2	5	10	N/A	6.18	N/A	N/A	N/A	0.8	N/A	N/A	> 200	500	~	0.96	N/A	N/A	N/A
12	Timer clock	А	С	4	1.5	1.0	5	3871	2	10	10	N/A	3.13	N/A	N/A	N/A	0.73	N/A	N/A	> 200	500	~	0.89	N/A	N/A	N/A
13	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14	DB3	А	С	1	6	2.5	5	3871	2	20	10	N/A	1.56	N/A	N/A	N/A	0.22	N/A	N/A	> 200	500	~	0.38	N/A	N/A	N/A
15	immersion heater	А	С	1	2.5	1.5	5	3871	2	15	10	N/A	2.08	N/A	N/A	N/A	0.71	N/A	N/A	> 200	500	~	0.87	N/A	N/A	N/A
16	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	Sockets	А	С	1	2.5	1.5	0.4	3871	2	30	10	N/A	1.04	N/A	N/A	N/A	0.23	N/A	N/A	> 200	500	~	0.39	N/A	N/A	N/A
18	DB4	А	С	1	6	2.5	5	3871	2	20	10	N/A	1.56	N/A	N/A	N/A	0.16	N/A	N/A	> 200	500	~	0.32	N/A	N/A	N/A
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic conc			C ermopl cables etallic	in	t	С	cables in cables				moplastic Th			F G Thermoplastic Thermosetting /SWA cables /SWA cables insu			Minera	Mineral				O - Other N/A			

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.