

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

									Certificate Reference	DMC/	DCR-000207					
1 DET.	AILS OF	THE CLIENT		2 ADDRE	SS AND	DETAILS (F THE	INSTA	ALLATION							
Client:	ent: Mr P Whitmore				207 Wild	Park Close			Estimated age of electrical ir		years					
Address:	12 Aucklar	2 Auckland Drive			Brighton				Evidence of alterations Ye or additions:	s if yes, estimated ag	ge: 5 years					
	Lower Bev	endean			East Suss	sex			Date of previous N/A	Installat Cert nur						
	Brighton, E	East Sussex							inspection: Records of installation	Decordo						
		Postcode:	BN2 4JS	_		Postcode:	BN2 4H		available: N/A	held by:	N/A					
		THE REPORT														
Purpose this report	is required:	Clients request														
4 EXT		HE INSTALLA				Agreed and	ON AN	_			111					
electrical ir	nstallation	Fixed wiring and inspection	random remov	al of accessorie	es of	operational li			tion resistance on circuits v	•						
covered by report:	/ this	No tests of fixed	equipment co	ntrol wiring fire	≏ alarms	of the inspective testing (inclu			ble to confirm that cables are segregated from communicat non electrical services where contained within the fabric of							
		or emergency lig			reasons and agreed with)		buildir									
						agreed with										
The inspect	tion and tes	ting detailed in this ables concealed wit	report and accor	npanying schedu	ules has bee	en carried out	in accorda	ince with	h BS 7671:2008 (IET Wiring F the fabric of the building or u	egulations), as ar	nended to 2015. It					
									in an accessible roof space ho							
	LARATIC								/ · · · · · · · ·							
1 (see sect	tion 3), havi	ng exercised reasor	hable skill and ca	re when carryind	out the ins	spection and te	esting, her	eby dec	/our signatures below), partic clare that the information in th	is report, includin	g the observations					
		e attached schedule itations on the insp				essment of the	e conditior	n of the	electrical installation taking in	to account the sta	ated extent of the					
		, TESTING AND A			,-											
Name:		Simon Baker		sition: Ap	proved Ele	ctrician	Signa	ature:	Sh	Date:	21/03/2018					
Report rev Name:		authorised for is Mark Coales		sition: Qu	alified Sup	arvisor	Sign	ature:	Kees	Date:	21/03/2018					
									77							
		THE ELECTRIC Electrical Contrac		CTOR					ARY OF THE CONDITI							
Trading 1	Title: DIVIC							trical sa								
Address:		1 The Parade, V Brighton	alley Drive						ssment of the installation in	n terms of it's su	uitability for					
		East Sussex					contir	nued us								
	OVED								SATISFAC	IORY						
CONT	RACTOR			Po	stcode:	BN1 5FQ	* An u	unsatisf	factory assessment indicat	es that dangero	us (Code C1)					
Registratio	n Number:	043919	Telepl	none Number:	0345 193	0403			ntially dangerous (Code C2							

This form is based on the model shown in Appendix 6 of BS 7671:2008 amended 2015.

8 OB	SERVATIONS AN	ND RECOMMENDATION	IS FOR ACTIONS TO BI	E TAKEN							
Referri	ing to the attached s	Schedule(s) of Inspections a of Inspection and Testing':	and Test Results, and subje	ect to the limitations specifi	ed on page 1 of this report under 'Extent of	the					
		ersely affecting electrical safety		The following observations and	d recommendations are made						
Item No			Observa	tions		Classification Code					
1	Inspection Schedule	e Item 4.4: Condition of encl	losure(s) in terms of fire rat	ing etc (421.1.201; 526.5)	is recommended for improvement.	C3					
2	Inspection Schedule Item 4.11: Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14) is recommended for improvement.										
3	Inspection Schedule Item 6.2.1: Capable of being secured in the OFF position where appropriate (537.2.1.2) is recommended for improvement.										
4	Inspection Schedule recommended for in	•	ation - state if local or remo	te from equipment being co	ontrolled where appropriate (537.2.1.5) is	C3					
5	Inspection Schedule	e Item 5.1: Identification of	conductors (514.3.1) is reco	ommended for improvemen	t.	C3					
	e following codes, as a lial action:	appropriate, has been allocated	d to each of the observations n	nade above to indicate to the j	person(s) responsible for the installation the deg	ree of urgency					
		te remedial action required	C2 Potentially dangero - Urgent remedial acti		ecommended FI Further invest required with	igation out delay					
	ate remedial action for items:	N/A		Improvement recommended for items:	1, 2, 3, 4, 5						
	emedial action for items:	N/A		Further investigation required for items:	N/A						

9 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.

General condition of the installation in terms of electrical safety:

10 NEXTINSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

(Enter interval in terms of years, months or weeks, as appropriate)

provided that any items in section 8 which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see section 8).

11 SUPPLY C	HARACTERISTICS	S AND EARTHING	ARRANGEM	ENTS								
Earthing Arrangements	Number and Type o			Nature of Supply Par	ameters		Supp					
Arrangements	1-phase (2 wire):	(2) wire) (N/Δ)	lominal U: oltage(s):	240 V Nomina	Il frequency, f:	50 Hz	BS(EN):	LIM				
TN-S 🖌	3-phase (3 wire): N/A	3-phase (4 wire): N/A	Uo:	-990 V	il earth fault pedance, Ze:	0.17 Ω	Туре:	LIM				
tn-c-s N/A	Other:	N/A		Prospective fau	It current, lpf:	1.31 kA	Rated current:	LIM A Short-circuit capacity:	LIM kA			
TT N/A	Confirmation of supp	ly polarity:					 					
12 PARTICUL Means of Earthing	ARS OF INSTALL	ATION REFERRED		REPORT		1						
Distributor's facility:	✓ Туре:	N/A	Location:	N/A		Protective electric s	e measure(s) again hock:	st ADS				
Installation earth electrode:	N/A Resistance to Earth:	Ν/Α Ω	Method of measurement:	N/A		Maximum	n Demand (Load):					
Main Switch / Swite	ch-Fuse / Circuit-Breake	r / RCD		Supply conductors			If RCD main sw	itch:				
Type BS(EN):	60947-3 Isolator	Current rating:	100 A	material:	Coppe	er	Rated residual	operating current (l∆n):	N/A mA			
Number of poles:	2	Fuse/device ratin or setting:	^g 100 A	Supply conductors csa:	25 mm ²		Rated time dela	time delay:				
		Voltage rating:	240 v				Measured operation	ating time (at l∆n):	N/A ms			
Earthing and Protective Bonding Conductors Bonding of extraneous-conductive parts To gas ins												
Earthing conductor Conductor materia		csa: 16 mm	2 Connection/c verified:	continuity	To water i	nstallation	pipes:	To gas installation pip To lightning protectior				
Main protective bor	nding conductors				To oil inst	allation pipe	es:	To other service(s):				
Conductor material	I: Copper	csa: 10 mm	2 Connection/c verified:	continuity	To structu	iral steel:		N/A				
This form is based of	on the model shown in A	Appendix 6 of BS 7671:2	2008 amended 2	015.		Ref: DMC	/DCR-000207	P	age: 3 of 7			

(have	NSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SU		Outers
1tem		Comment	Outcom
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT	N/A	~
1.1	Condition of service cable		
1.2	Condition of service head	N/A	
1.3	Condition of distributor's earthing arrangement	N/A	
1.4	Condition of tails - Distributor/Consumer	N/A	
1.5	Condition of metering equipment	N/A	
1.6	Condition of isolator (where present)	N/A	N/A
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES (551.6; 551.7)	N/A	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chapter 54)		
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	N/A
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	N/A	v
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 (543.3.2)	N/A	v
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)	Consumer Unit enclosure is not made from a suitable non-combustible material or not installer in a cabinet or enclosure comprised from a suitable non-combustible material.	d C3
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A	~
4.6	Presence of main linked switch (as required by 537.1.4)	N/A	LIM
4.7	Operation of main switch (functional check) (612.13.2)	N/A	~
4.8	Manual operation of circuit-breakers and RCD's to prove disconnection (612.13.2)	N/A	 ✓
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	N/A	V
4.10	Presence of RCD quarterly 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	C3
4.12	Presence of alternative supply warning at or near consumer unit/distribution board (514.15)	N/A	~
4.13	Presence of other required labelling (please specify) (Section 514)	N/A	N/A
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)	N/A	~
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)	N/A	~
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.11)	N/A	~
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	N/A	~
4.17	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)	N/A	N/A
ч. 10	Acceptable TICK Unacceptable C1 as C2 Improvement C2 Further I II Notice		

Ref: DMC/DCR-000207

Page: 4 of 7

Item	Description	Comment	Outcome
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	N/A	 ✓
4.20	Confirmation of indication that SPD is functional (534.2.8)	N/A	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)	N/A	N/A
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A	N/A
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	N/A
5.0	FINAL CIRCUITS		
5.1	Identification of conductors (514.3.1)	Switch lines not identified	C3
5.2	Cables correctly supported throughout their run (522.8.5)	N/A	v
5.3	Condition of insulation of live parts (416.1)	N/A	v
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) (to include the integrity of conduit and trunking systems in 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	v
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	N/A	v
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	N/A	 ✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	N/A	V
5.10	Concealed cables installed in prescribed zones (see Extent and Limitations) (522.6.202)	N/A	LIM
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Extent and Limitations) (522.6.204)	N/A	LIM
5.12	Provision of additional protection by RCD not exceeding 30mA:		
5.12.1	For all socket-outlets of rating 20A or less, unless an exception is permitted (411.3.3)	N/A	 ✓
5.12.2	For supply to 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	N/A
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	LIM
5.15	Cables segregated/separated from communications cabling (528.2)	N/A	LIM
5.16	Cables segregated/separated from non-electrical services (528.3)	N/A	LIM
5.17	Termination of cables at enclosures - indicate extent of sampling in Extent and Limitations of the report (Section 526)		
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	v
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 (621.2 (iii))	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, 530.3.2)	N/A	V
_	COMES Acceptable C1 or C2 Improvement C3 Further FI Not vertication FI FI Not vertication		

Ref: DMC/DCR-000207

Page: 5 of 7

15	NSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SU	PPLY	
Item	Description	Comment	Outcome
6.0	ISOLATION AND SWITCHING (ISOLATION, SWITCHING OFF FOR MECHANICAL MAINTENANCE, EMERGENCY	STOPPING AND FUNCTIONAL SWITCHING)
6.1	In General		
6.1.1	Presence and condition of appropriate devices (537.2.2)	N/A	N/A
6.1.2	Correct operation verified (612.13.2)	N/A	N/A
6.2	For isolation and switching for mechanical maintenance only		1
6.2.1	Capable of being secured in the OFF position where appropriate (537.2.1.2)	No Local Isolation for extract fan in the bathroom	C3
6.2.2	Acceptable location - state if local or remote from equipment being controlled where appropriate (537.2.1.5)	No Isolation for extract fan	C3
6.2.3	Clearly identified by position and/or durable marking(s) (537.2.2.6)	N/A	N/A
6.3	For isolation only		
6.3.1	Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.2.1.3)	N/A	N/A
6.4	For emergency switching/stopping only		
6.4.1	Readily accessible for operation where danger might occur (537.4.2.5)	N/A	N/A
7.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	1	
7.1	Condition of equipment in terms of IP rating (416.2)	N/A	/
7.2	Equipment does not constitute a fire hazard (Section 421)	N/A	/
7.3	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A	v
7.4	Suitability for the environment and external influences (512.2)	N/A	/
7.5	Security of fixing (134.1.1)	N/A	~
7.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire List number and location of luminaires inspected. (Separate page)	N/A	~
7.7	Recessed luminaires (downlighters)		
7.7.1	Correct type of lamps fitted	N/A	N/A
7.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)	N/A	N/A
7.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A	N/A
7.7.4	No signs of overheating to conductors/terminations (526.1)	N/A	N/A
8.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
8.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	N/A	v
8.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	N/A
8.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	N/A
8.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	N/A	N/A
8.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from Zone 1 (701.512.3)	N/A	N/A
8.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	 ✓
8.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A	V
8.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	V
9.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspections appl		
9.1	N/A	N/A	N/A
9.2	N/A	N/A	N/A
	Acceptable condition TLCK Unacceptable condition C1 or C2 Improvement recommended C3 Further investigation FI Not ver		1

Ref: DMC/DCR-000207

Page: 6 of 7

De	SCHEDULE OF CI	RCUIT DETAILS D.B. 1	A	ND T		RES		S	Breal	efast	Roc	m				tive fau	ılt	1.31	kA O	ype of '	Wiring			N/A		
cons	sumer unit:	D.D. 1				Circ	cuit	0.5	Overcuri						urrent:		_			-Other:	lation		7			
		Circuit designation		p		condu cs	ctors: a	ct time BS767		levices		/e	RCD	BS76	Circuit impedance			es (Ohms)			tance		asured		RCD	
Circuit number	Circuit des	ignation	Type of wiring	Reference Method	Number of points served	Live	cpc	 Max disconnect time permitted by BS7671 	BS(EN)	Type No	> Rating	🖌 Capacity	∃ Operating > current, I∆n		(meason r ₁	inal circui ured end rn (Neutral)	r ₂	(one co be com	lumn to	Live - Live	ΔM Uve - Earth	 Polarity 	Maximum measured δ earth fault loop impedance Zs	Disconnection time at IAn	B Disconnection	 Test button operation
	RCD Module								61008	N/A	63		30											35.4	13.1	~
1	Shower Unused		A	LIM	1	6	2.5	0.4	60898	В	40	6	30	1.09						>200	> 200	~				~
2	Kitchen Fan & Socket, fron	t bedroom RH x1	A	LIM	3	2.5	1.5	0.4	60898	В	32	6		1.37	0.20	0.20	0.33	0.14		>200	> 200	~	0.29			~
3	Socket Lobby & Under Cor	isumer Unit	A	LIM	2	2.5	1.5	0.4	60898	В	16	6		2.73				0.16	N/A	>200	> 200	~	0.29			~
4	Boiler		A	LIM	1	1.5	1.0	0.4	60898	В	6	6		7.28				0.21	N/A	>200	> 200	~	0.32			~
5	Spare																									
	RCD Module								61008	N/A	63		30											54.4	23.1	
6	Kitchen Socket near end a	nd Hood	A	LIM	2	6	2.5	0.4	60898	В	32	6	30	1.37				0.31	N/A	>200	> 200	~	0.41			~
7	Pwr- Kitchen, bedrooms, C	Id Immersion	A	LIM	16	2.5	1.5	0.4	60898	В	32	6	30	1.37	0.24	0.24	0.57	0.21	N/A	>200	> 200	~	0.56			~
8	Lts Ground Floor		A	LIM	7	1.5	1.0	0.4	60898	В	6	6		7.28				0.90	N/A	LIM	> 200	~	0.99			~
9	Lts-1st Floor & Fire Detect	ion	A	LIM	9	1.5	1.0	0.4	60898	В	6	6		7.28						LIM	> 200	~	jj			~
10	Spare																									
																							<u> </u>			
																							<u> </u>			
17_		NTS Multi-functio	nal:		1(01420	091			Insul	latior	n res	istar	nce:	I	1	1	<u> </u>	Со	ntinuity	/:					
		arth electrode resistar							Earth											RCE						

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.

The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in satisfactory condition for continued service (see Section 7). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

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.

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 quarterly. For safety reasons it is important that this instruction is followed.

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.

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 - Extent and Limitations on page 1.

For items classified in the observations 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.

For items classified in the observations 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.

Where it has been stated that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code of 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 8 - Recommendations).

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 on page 3 under section 10 'Next Inspection', and on a label at or near to the consumer unit / distribution board.