

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

Certificate Reference: 05 U217012770234

1 DETAILS OF THE CLIENT	2 ADDRESS AND DETAILS OF THE INSTALLATION	
Client: K&C TMO	Installation: 134 Grenfell Tower	Estimated age of electrical installation: 5 years
Address: 292A Kensal Road London	Address: 11-206 Grenfell Tower London	Evidence of alterations or additions: N/A if yes, estimated age: N/A years
Postcode: W10 5BE	Postcode: W11 1TQ	Date of previous inspection: N/A Installation Cert number: N/A
		Records of Installation available: N/A Records held by: N/A

3 PURPOSE OF THE REPORT

Purpose for which this report is required: Clients Request

4 EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:	All fixed wiring, accessories and fuseboards	Agreed and operational limitations of the inspection and testing (include reasons and person agreed with):	Characteristics of primary supply overcurrent device. No testing of unverified circuits. All areas of no Access. No lift of floor boards or inspection of Loft space. System type not verified
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The inspection has been carried out in accordance with BS 7671:2008, as amended to 2011. 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.

5 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 on page 1 (see section 3), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see section 8) and the attached schedules (see section 16), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing (see section 4).

For the INSPECTION, TESTING AND ASSESSMENT of the report:

Name: REECE BEGLEY	Position: Engineer	Signature:	Date: 30/05/2013
Report reviewed and authorised for issue by:			
Name: Bob Greene	Position: Qualified Supervisor	Signature:	Date: 18/06/2013

<p>6 DETAILS OF THE ELECTRICAL CONTRACTOR</p> <p>Trading Title: RGE Services Ltd</p> <p>Address: 19-21 Roebuck Road Hainault Business Park Essex</p> <p>Postcode: IG6 3TU</p> <p>Registration Number: XXXXXXXXXX</p> <p>Telephone Number: XXXXXXXXXX</p>	<p>7 SUMMARY OF THE CONDITION OF THE INSTALLATION</p> <p>See page 3 for a summary of the general condition of the installation in terms of electrical safety.</p> <p>Overall assessment of the installation in terms of its suitability for continued use*:</p> <div style="border: 2px solid black; padding: 5px; text-align: center; margin: 10px auto; width: 80%;"> <p>SATISFACTORY</p> </div> <p>* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.</p>
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This form is based on the model shown in Appendix 6 of BS 7671:2008 amended 2011.

3 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 '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:
Satisfactory

10 NEXT INSPECTION

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

10 Years (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 CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)	Number and Type of Live Conductors		Nature of Supply Parameters				Characteristics of Primary Supply Overcurrent Protective Device(s)			
TN-S N/A	1-phase (2 wire):	✓	1-phase (3 wire):	N/A	Nominal voltage(s):	U: N/A V	Nominal frequency, f:	50 Hz	BS(EN):	LIM
TN-C-S ✓	3-phase (3 wire):	N/A	3-phase (4 wire):	N/A	Uo:	232 V	External earth fault loop impedance, Ze:	0.27 Ω	Type:	LIM
TT N/A	Other:	N/A			Prospective fault current, Ipf:		0.859kA	Rated current:	LIM A	Short-circuit capacity: LIM kA
Confirmation of supply polarity: ✓										

12 PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing		Details of Installation Earth Electrode (where applicable)				Protective measure(s) against electric shock:						
Distributor's facility:	✓	Type:	N/A	Location:	N/A	ADS						
Installation earth electrode:	N/A	Electrode resistance, RA:	N/A Ω	Method of measurement:	N/A	Maximum Demand (Load):	LIM LIM					
Main Switch or Circuit-Breaker			Earthing and Protective Bonding Conductors									
Type BS(EN):	60947-3 Isolator		Voltage rating:	240 V	Earthing conductor							
Number of poles:	2		Rated current, In:	100 A	Conductor material:	Copper	Conductor csa:	16 mm ²	Continuity & connection verified:	✓		
Supply conductors material:	Copper		RCD operating current:	N/A mA	Main protective bonding conductors							
Supply conductors csa:	16 mm ²		RCD rated time delay:	N/A ms	Conductor material:	Copper	Conductor csa:	10 mm ²	Continuity & connection verified:	✓		
			RCD operating time:	N/A ms	Bonding of extraneous-conductive parts							
					Water service:	✓	Gas service:	✓	Oil service:	N/A	Lightning protection:	N/A
					Structural Steel:	N/A	Other incoming service(s):		N/A			

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INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

1.0 DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT			Outcome	Further investigation required	4.0 CONSUMER UNIT(S)/DISTRIBUTION BOARD(S)			Outcome	Further investigation required
		Comments					Comments		
1.1	Service cable condition	N/A	LIM	N/	4.1	Adequacy of working space/accessibility to distribution board	N/A	✓	N/
1.2	Condition of service head	See Obs	LIM	Y	4.2	Security of fixing	N/A	✓	N/
1.3	Condition of tails - Distributor	N/A	✓	N/	4.3	Condition of enclosure(s) in terms of IP rating etc	N/A	✓	N/
1.4	Condition of tails - Consumer	N/A	✓	N/	4.4	Condition of enclosure(s) in terms of fire rating etc	N/A	✓	N/
1.5	Condition of metering equipment	N/A	✓	N/	4.5	Enclosure not damaged/deteriorated so as to impair safety	N/A	✓	N/
1.6	Condition of isolator (where present)	N/A	N/A	N/	4.6	Presence of main linked switch	N/A	✓	N/
2.0 PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS			N/A	N/A	4.7	Operation of main switch (functional check)	N/A	✓	N/
3.0 EARTHING / BONDING ARRANGEMENTS					4.8	Manual operation of circuit-breakers and RCD's to prove disconnection	N/A	✓	N/
3.1	Presence and condition of distributor's earthing arrangement	N/A	✓	N/	4.9	Correct identification of circuit details and protective devices	N/A	✓	N/
3.2	Presence and condition of earth electrode connection where applicable	N/A	N/A	N/	4.10	Presence of RCD quarterly test notice at or near distribution board	N/A	N/A	N/
3.3	Provision of earthing/bonding labels at all appropriate locations	N/A	✓	N/	4.11	Presence of non-standard (mixed) cable colour warning notice at or near distribution board	N/A	N/A	N/
3.4	Confirmation of earthing conductor size	N/A	✓	N/	4.12	Presence of alternative supply warning at or near distribution board	N/A	N/A	N/
3.5	Accessibility and condition of earthing conductor at MET	N/A	✓	N/	4.13	Presence of other required labelling (please specify)	230 volt	✓	N/
3.6	Confirmation of main protective bonding conductor sizes	N/A	✓	N/	4.14	Presence of replacement next inspection recommendation label	N/A	✓	N/
3.7	Condition and accessibility of main protective bonding conductor connections	N/A	✓	N/	4.15	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	N/A	✓	N/
Outcomes:					4.16	Single-pole protective devices in line conductor only	N/A	✓	N/
'TICK' indicates Acceptable condition		'C1' or 'C2' indicates Unacceptable Condition			4.17	Protection against mechanical damage where cables enter distribution board	N/A	✓	N/
'C3' indicates Improvement recommended		'N/A' indicates Not Applicable			4.18	Protection against electromagnetic effects where cables enter consumer unit	N/A	✓	N/
'LIM' indicates Limitation		'N/V' indicates Not Verified							

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INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

	Comments	Outcome	Further investigation required		Comments	Outcome	Further investigation required
4.19 RCD(s) provided for fault protection - includes RCBOs	N/A	✓	N/	5.13 Provision of fire barriers, sealing arrangements and protection against thermal effects	N/A	✓	N/
4.20 RCD(s) provided for additional protection - includes RCBOs	N/A	✓	N/	5.14 Band II cables segregated/separated from Band I cables	N/A	N/A	N/
5.0 FINAL CIRCUITS				5.15 Cables segregated/separated from communications cabling	N/A	✓	N/
5.1 Identification of conductors	N/A	✓	N/	5.16 Cables segregated/separated from non-electrical services	N/A	✓	N/
5.2 Cables correctly supported throughout their run	N/A	LIM	N/	5.17 Termination of cables at enclosures - Indicate extent of sampling in Extent and Limitations of the report			
5.3 Condition of insulation of live parts	N/A	✓	N/	* Connections soundly made and under no undue strain	N/A	✓	N/
5.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking (to include the integrity of conduit and trunking systems in metallic and plastic)	N/A	✓	N/	* No basic insulation of a conductor visible outside enclosure	N/A	✓	N/
5.5 Adequacy of cables for current-carrying capacity with regard for the type and nature of installation	N/A	✓	N/	* Connections of live conductors adequately enclosed	N/A	✓	N/
5.6 Coordination between conductors and overload protective devices	N/A	✓	N/	* Adequately connected at point of entry to enclosure (glands, bushes etc.)	N/A	✓	N/
5.7 Adequacy of protective devices: type and rated current for fault protection	N/A	✓	N/	5.18 Condition of accessories including socket-outlets, switches and joint boxes	N/A	✓	N/
5.8 Presence and adequacy of circuit protective conductors	N/A	✓	N/	5.19 Suitability of accessories for external influences	N/A	✓	N/
5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences	N/A	✓	N/	6.0 ISOLATION AND SWITCHING (ISOLATION, SWITCHING OFF FOR MECHANICAL MAINTENANCE, EMERGENCY SWITCHING/STOPPING AND FUNCTIONAL SWITCHING)			
5.10 Concealed cables installed in prescribed zones (see Extent and Limitations)	N/A	✓	N/	6.1 In General			
5.11 Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see Extent and Limitations)	N/A	N/A	N/	* presence and condition of appropriate devices	N/A	✓	N/
5.12 Provision of additional protection by RCD not exceeding 30mA:				* correct operation verified	N/A	✓	N/
* For all socket outlets of rating 20A or less provided for use by ordinary persons unless an exception is permitted	N/A	✓	N/	6.2 For isolation and switching for mechanical maintenance only			
* For supply to mobile equipment not exceeding 32A rating for use outdoors	N/A	N/A	N/	* capable of being secured in the OFF position where appropriate	N/A	N/A	N/
* For cables concealed in walls or partitions	N/A	C3	N/	* acceptable location - state if local or remote from equipment being controlled where appropriate	N/A	N/A	N/
				* clearly identified by position and/or durable marking(s)	N/A	N/A	N/
				Outcomes:			
				'TICK' indicates Acceptable condition	'C1' or 'C2' indicates Unacceptable Condition		
				'C3' indicates Improvement recommended	'N/A' indicates Not Applicable		
				'LIM' indicates Limitation	'N/V' indicates Not Verified		

INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

		Outcome	Further investigation required			Outcome	Further investigation required
6.3 For isolation only		Comments		8.0 LOCATION(S) CONTAINING A BATH OR SHOWER		Comments	
* warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	N/A	✓	N/	8.1 Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA	N/A	C3	N/
6.4 For emergency switching/stopping only				8.2 Where used as a protective measure, requirements for SELV or PELV met	N/A	N/A	N/
* readily accessible for operation where danger might occur	N/A	✓	N/	8.3 Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	N/A	✓	N/
7.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)				8.4 Presence of supplementary bonding conductors, unless not required by BS 7671:2008	N/A	✓	N/
7.1 Condition of equipment in terms of IP rating	N/A	✓	N/	8.5 Low voltage (e.g. 230 volt) socket outlets sited at least 3m from Zone 1	N/A	N/A	N/
7.2 Equipment does not constitute a fire hazard	N/A	✓	N/	8.6 Suitability of equipment for external influences from installed location in terms of IP rating	N/A	N/A	N/
7.3 Enclosure not damaged/deteriorated so as to impair safety	N/A	✓	N/	8.7 Suitability of equipment for installation in a particular zone	N/A	✓	N/
7.4 Suitability for the environment and external influences	N/A	✓	N/	8.8 Suitability of current-using equipment for particular position within the location	N/A	✓	N/
7.5 Security of fixing	N/A	✓	N/	9.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS			
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	✓	N/	9.1 List all other special installation or locations present, if any. (Record separately the results of particular inspections applied.)			
7.7 Recessed luminaires (downlighters)				N/A	N/A	N/A	N/
* correct type of lamps fitted	N/A	N/A	N/	N/A	N/A	N/A	N/
* installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	N/A	N/A	N/	N/A	N/A	N/A	N/
* no signs of overheating to surrounding building fabric	N/A	N/A	N/	N/A	N/A	N/A	N/
* no signs of overheating to conductors/ terminations	N/A	N/A	N/	N/A	N/A	N/A	N/
Outcomes:				N/A	N/A	N/A	N/
'TICK' indicates Acceptable condition	'C1' or 'C2' indicates Unacceptable Condition	N/A	N/	N/A	N/A	N/A	N/
'C3' indicates Improvement recommended	'N/A' indicates Not Applicable	N/A	N/	N/A	N/A	N/A	N/
'LIM' indicates Limitation	'N/V' indicates Not Verified	N/A	N/	N/A	N/A	N/A	N/

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SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Designation of consumer unit:		Landlords DB		Location:		Hall		Prospective fault current:		0.859 kA		Type of Wiring		O-Other:		N/A												
Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa			Overcurrent protective devices				RCD	Circuit Impedances (Ohms)					Insulation resistance (record lower or lowest value)				RCD Operating times						
					Live mm ²	pc mm ²	Max disconnect time permitted by BS7671 s	BS(EN)	Type No	Rating A	Capacity KA		Operating current mA	Maximum Zs permitted by BS7671 Ω	Ring final circuits only (measured end to end)			All circuits (one column to be completed)		Line/Line MΩ	Line/Neutral MΩ	Line/nEarth MΩ	Neutral/Earth MΩ	Polarity	Maximum measured earth fault loop impedance Zs	At In ms	At 5 In ms	Test button operation
															r1 (Line)	m (Neutral)	r2 (CPC)	R1+R2	R2									
1	Cooker	C	A	1	6	4	0.4	60898	B	32	6	N/A	1.44	N/A	N/A	N/A	0.05	N/A	N/A	> 500	> 500	> 500	✓	0.32	N/A	N/A		
2	Lights & shaver	C	A	5	1.5	1.0	0.4	60898	C	6	10	N/A	3.83	N/A	N/A	N/A	0.28	N/A	N/A	> 500	> 500	> 500	✓	0.55	N/A	N/A		
3	Lights	C	A	4	1.5	1.0	0.4	60898	C	6	10	N/A	3.83	N/A	N/A	N/A	0.19	N/A	N/A	> 500	> 500	> 500	✓	0.46	N/A	N/A		
4	Door Bell	A	A	1.0	1.5	1.0	0.4	60898	C	6	10	N/A	3.83	N/A	N/A	N/A	0.38	N/A	N/A	> 500	> 500	> 500	✓	0.65	N/A	N/A		
5	Smoke & Heat alarms	C	A	2	1.5	1.0	0.4	60898	C	6	10	N/A	3.83	N/A	N/A	N/A	0.21	N/A	N/A	> 500	> 500	> 500	✓	0.48	N/A	N/A		
6	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	N/A	
7	RCD	N/A	N/A	N/A	N/A	N/A	N/A	61008	N/A	63	N/A	30	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	21.6	18.3	✓
8	RCD	N/A	N/A	N/A	N/A	N/A	N/A	61008	N/A	63	N/A	30	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	21.6	18.3	✓
9	RCD	N/A	N/A	N/A	N/A	N/A	N/A	61008	N/A	63	N/A	30	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	21.6	18.3	✓
10	Kitchen Ring	C	A	4	2.5	1.5	0.4	60898	B	32	6	30	1.44	0.20	0.21	0.34	0.70	N/A	N/A	> 500	> 500	> 500	✓	0.97	21.6	18.3	✓	
11	Flat Ring	C	A	8	2.5	1.5	0.4	60898	B	32	6	30	1.44	0.39	0.36	0.63	0.75	N/A	N/A	> 500	> 500	> 500	✓	1.02	21.6	18.3	✓	
12	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	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	N/A	

TEST INSTRUMENTS	Multi-functional:	Megger MFT1710	Insulation resistance:	RGE 169	Continuity:	RGE 169
	Earth electrode resistance:	N/A	Earth fault loop impedance:	RGE 169	RCD:	RGE 169

IWS000022907

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 condition 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 the 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 competent person 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 competent person undertakes the necessary remedial work as a matter of urgency.

Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated as soon as possible. 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 competent person. 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.