

DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT (FOR A SINGLE DWELLING)

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

A DETAILS OF THE CLIENT

Client / Address:
 VERTIGYS RUS,
 BARN WICK,
 36 ZWER PARK,
 MALLBOSSON,
 WILTSHIRE, SN8 1NH.

B ADDRESS AND DETAILS OF THE INSTALLATION

Address:
 4-9
 HERSCHE COTE,
 SWINDON
 WILTSHIRE SN25 2HX.

Estimated age of the electrical installation: 5 years

Evidence of alterations or additions: Yes, estimated age: 4 years

Date of previous inspection: Yes

Records of installation available: Yes

Electrical Installation Certificate number or previous Periodic Inspection Report number: UNKNOWN

Records held by: YES

C PURPOSE OF THE REPORT ^{† (see note below)}

Purpose for which this report is required:
 Annual Test To
 Re-Entry - Ren

D EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING ^{‡ (see note below)}

Extent of the electrical installation covered by this report:
 UP TO
 INCLUDING
 ALL LANDS
 SUBJECT ANY LIMIT.

Agreed limitations (including the reasons) if any, on the inspection and testing:
 YES

E PARTICULARS OF THE CONTRACTOR

Trading Title:
 BRM Electrical Services LTD

Address:
 6 DAYLOR COTE,
 CANNINGHAM
 WILTSHIRE
 SNIS 5LD

F 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 above (see B), 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 G) and the attached schedules (see K and L), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the said installation was overall in **Satisfactory** condition (see H) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: *Bl. Holt*

Name: (CAPITALS) **BLAKE HOLT**

Position: **ELECTRICIAN**

Date: **16-11-09**

** Satisfactory. (Insert 'a satisfactory' or 'an unsatisfactory', as appropriate)*

† This Domestic Periodic Inspection Report must be used only for reporting on the condition of an existing installation.
 ‡ The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected.

Please see the Notes for Recipients on the reverse of this page.

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DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT (FOR A SINGLE DWELLING)

J SUPPLY CHARACTERISTICS, EARTHING AND BONDING ARRANGEMENTS		Enter details, as appropriate	
Supply Characteristics	Nominal voltage: U_n 230 V Nominal voltage: U_o 230 V Nominal frequency, $f^{(1)}$ 50 Hz Prospective fault current, $I_{pf}^{(2)}$ 689 kA External earth fault loop impedance, Z_e 0.32 Ω	No. and type of live conductors (1) <input checked="" type="checkbox"/> 1-phase (2wire) <input checked="" type="checkbox"/> 1-phase (3wire) <input checked="" type="checkbox"/> 3-phase (3wire) <input checked="" type="checkbox"/> 3-phase (4wire) Other (please state) <input checked="" type="checkbox"/>	System Type(s) (1) <input checked="" type="checkbox"/> TN-S <input checked="" type="checkbox"/> TN-C-S <input checked="" type="checkbox"/> TT
		Characteristics of Primary Supply Overcurrent Protective Devices	Main Switch or Circuit-Breaker
		BS(EN) Type $BS1321$ Rated current 160 A Short-circuit capacity 33 kA	Type: BS6088 No. of Poles 2 Supply conductors material COPPER Supply csa 25 mm ² Voltage rating 240 V Rated current, I_n 63 A RCD operating current, $I_{\Delta n}$ 30 mA RCD operating time (at $I_{\Delta n}$) 28 ms
			* (applicable only where an RCD is used as a main circuit-breaker)
		Means of Earthing	
		Distributor's facility: <input checked="" type="checkbox"/>	Installation earth electrode: <input checked="" type="checkbox"/>
		Type: (eg rod(s), tape etc) <input checked="" type="checkbox"/>	Electrode resistance, R_A : <input checked="" type="checkbox"/>
		Location: <input checked="" type="checkbox"/>	Method of measurement: <input checked="" type="checkbox"/>
		(2)	
		Earthing and Protective Bonding Conductors	Main protective bonding conductors
		Earthing conductor: COPPER Conductor material: COPPER Conductor csa: 16 mm ² Continuity check: <input checked="" type="checkbox"/>	Conductor material: COPPER Conductor csa: 10 mm ² Continuity check: <input checked="" type="checkbox"/>
		Bonding of extraneous-conductive parts (1)	
		Water service: <input checked="" type="checkbox"/>	Gas service: <input checked="" type="checkbox"/>
		Oil service: <input checked="" type="checkbox"/>	Structural steel: <input checked="" type="checkbox"/>
			Lightning protection: <input checked="" type="checkbox"/>
			Other incoming services: <input checked="" type="checkbox"/>

K SCHEDULE OF ITEMS INSPECTED

† See note below

Additional protection

Cables and conductors (cont)

L SCHEDULE OF ITEMS TESTED

Protective measures against electric shock	Additional protection
Basic and fault protection	<input checked="" type="checkbox"/> Presence of residual current device(s)
Extra low voltage	<input checked="" type="checkbox"/> Presence of supplementary bonding conductors
Double or reinforced insulation	<input checked="" type="checkbox"/> Prevention of mutual detrimental influence
<input checked="" type="checkbox"/> Double or reinforced insulation	<input checked="" type="checkbox"/> Proximity of non-electrical services and other influences
Basic protection	<input checked="" type="checkbox"/> Segregation of Band I and Band II circuits or Band II insulation used
<input checked="" type="checkbox"/> Insulation of live parts	<input checked="" type="checkbox"/> Segregation of safety circuits
Fault protection	Identification
Automatic disconnection of supply	<input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information
<input checked="" type="checkbox"/> Presence of earthing conductor	<input checked="" type="checkbox"/> Presence of danger notices
<input checked="" type="checkbox"/> Presence of circuit protective conductors	<input checked="" type="checkbox"/> Presence of other warning notices, including presence of mixed wiring colours
<input checked="" type="checkbox"/> Presence of main protective bonding conductors	<input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals
<input checked="" type="checkbox"/> Choice and setting of protective devices (for fault protection and/or overcurrent)	<input checked="" type="checkbox"/> Identification of conductors
Electrical separation	Cables and conductors
<input checked="" type="checkbox"/> For one item of current-using equipment	<input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop
	<input checked="" type="checkbox"/> Erection methods
	General
	<input checked="" type="checkbox"/> Presence and correct location of appropriate devices for isolation and switching
	<input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment
	<input checked="" type="checkbox"/> Particular protective measures for special installations and locations
	<input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in live conductors only
	<input checked="" type="checkbox"/> Correct connection of accessories and equipment
	<input checked="" type="checkbox"/> Selection of equipment and protective measures appropriate to external influences
	<input checked="" type="checkbox"/> Selection of appropriate functional switching devices
	Earthing and Protective Bonding Conductors
	<input checked="" type="checkbox"/> External earth fault loop impedance, Z_e
	<input checked="" type="checkbox"/> Installation earth electrode resistance, R_A
	<input checked="" type="checkbox"/> Continuity of protective conductors
	<input checked="" type="checkbox"/> Continuity of ring final circuit conductors
	<input checked="" type="checkbox"/> Insulation resistance between live conductors
	<input checked="" type="checkbox"/> Insulation resistance between live conductors and earth
	<input checked="" type="checkbox"/> Polarity
	<input checked="" type="checkbox"/> Earth fault loop impedance, Z_e
	<input checked="" type="checkbox"/> Verification of phase sequence
	<input checked="" type="checkbox"/> Operation of residual current device(s)
	<input checked="" type="checkbox"/> Functional testing of assemblies
	<input checked="" type="checkbox"/> Verification of voltage drop

† See note below

All boxes must be completed. ✓ indicates that an inspection or a test was carried out and that the result was satisfactory. ✗ indicates that an inspection or a test was carried out and that the result was unsatisfactory. X indicates that an inspection or a test was not applicable to the particular installation. T/M indicates that, exceptionally, a limitation agreed with the person ordering the work has recorded in Section D) prevented the inspection or test being carried out. This form is based on the model Periodic Inspection Report shown in Appendix 6 of BS 7671: 2008. © Copyright The Electrical Safety Council (Jan 2008)

Please see the Notes for Registrants on the reverse of this page

SCHEDULES

M CIRCUIT DETAILS										N TEST RESULTS																			
Circuit number	Circuit designation <small>* To be completed only where the consumer unit is remote from the origin of the installation. Record details of the circuit supplying this consumer unit in the bold box.</small>	Type of wiring (see code)	Reference method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: ssa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices			RCD	Maximum Z_s permitted by BS 7671 (Ω)	Ring final circuits only (measured end to end) (Ω)			All circuits (at least one column to be completed)			Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_e (Ω)	RCD operating times				
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type No	(A) Rating			Short-Circuit capacity (kA)	Operating current, $I_{Δn}$ (mA)	r_1 (line)	r_n (Neutral)	r_2 (tape)	$R_1 + R_2$	R_3	Line/line (MΩ)	Line/neutral (MΩ)	Line/earth (MΩ)			Neutral/earth (MΩ)	at 5 I _n (if applicable) (ms)	at 1 I _n (ms)		
1	SOCKETS (RING)	A	100	6	2.5	1.5	4	60	8	B	32	6	30	1.44	0.68	0.70	0.88	0.8	N/A	N/A	7200	7200	7200	7200	/	0.48	28	9-24ms	
2	LIGHTING	A	100	6	1	1	5	60	8	B	6	6	30	7.66	N/A	N/A	N/A	0.4K	N/A	N/A	2200	2200	2200	2200	/	0.68	22	26	
3	LIGHTING	A	100	10	1	1	5	60	8	B	6	6	30	7.66	N/A	N/A	N/A	0.60	N/A	N/A	2200	2200	2200	2200	/	0.56	22	26	
4	SMOKE ALARM	A	100	4	1	1	5	60	8	B	6	6	30	7.66	N/A	N/A	N/A	0.62	N/A	N/A	2200	2200	2200	2200	/	0.72	26	26	
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Location of consumer unit(s) **LOWEEL ROAD WOBURN** Designation of consumer unit(s) **4 WAY (2C) FLOOR CAB.** Prospective fault current at consumer unit(s) **1.689 KA**

TEST INSTRUMENTS Test instruments (serial numbers) used

Multi-functional **8843100** Insulation resistance **8843100** Continuity **8843100** Earth electrode resistance **N/A** Earth fault loop impedance **8843100** RCD **8843100**

CODES FOR TYPE OF WIRING							G (Other - please state)
A	B	C	D	E	F	G	H
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral-insulated cables

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