

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

A DETAILS OF THE CLIENT
Client/Address: Mr Client, Client Address, Address 1, Address 2, Town, County, POST CODE

B ADDRESS AND DETAILS OF THE INSTALLATION
Address: DONNINGTON WAY, DONNINGTON, TELFORD TF2 8LE
Estimated age of the electrical installation: 10 years
Evidence of alterations or additions: [checked] If yes, estimated age: 10 years
Date of previous inspection: 10/10/0
Electrical Installation Certificate number or previous Periodic Inspection Report number: EIC/123456789
Records of installation available: No
Records held by: Joe Bloggs

C PURPOSE OF THE REPORT
Purpose for which this report is required: DELAP REPORT FOR CLIENT PURPOSES
(see note 1 below)

D EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING
Extent of the electrical installation covered by this report: THE WHOLE OF THE FIXED ELECTRICAL INSTALLATION
Agreed limitations, if any, on the inspection and testing: 10% OF WHITE GOODS WERE REMOVED & INSPECTED. NO LIVE TO NEUTRAL INSULATION RESISTANCE TESTS WERE CARRIED OUT. CONTINUITY OF CPC'S VERIFIED BY LOOP IMPEDANCE TEST.

E PARTICULARS OF THE APPROVED CONTRACTOR
Trading Title: R A HUTCHINGS (ELECTRICAL) LTD
Address: 256 South Road, Cow-on-Bridge, Glamorgan
Postcode: CF71 7DF

F DECLARATION
I/We, being the person(s) responsible for the inspection and testing of the electrical installation... hereby declare that the information in this report... provides an accurate assessment of the condition of the electrical installation...
I/We further declare that in my/our judgement, the said installation was overall in a satisfactory condition (see H) at the time the inspection was carried out...
INSPECTION, TESTING AND ASSESSMENT BY: Signature: [Signature], Name: GAVIN SMITH, Position: QS, Date: 11/07/2004
REPORT REVIEWED AND CONFIRMED BY: Signature: [Signature], Name: JUSTIN HAYWARD, Date: 11/07/2004

- 1) This Domestic Periodic Inspection Report must be used only for reporting on the condition of an existing installation
2) The inspection and testing have been carried out in accordance with BS 7671: 2001, 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.
3) This Domestic Periodic Inspection Report should be reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it.

G OBSERVATIONS AND RECOMMENDATIONS FOR ACTION TO BE TAKEN

Referring to the attached schedule(s) of inspection and test results, and subject to the limitations specified at D:

There are no items adversely affecting electrical safety.

or

The following observations and recommendations are made.

Item No	The following observations and recommendations are made.	Code #
1	OMMISION TO IDENTIFY PHASE CONDUCTORS AT SWITCH	2
2	ABSENCE OF INTERNAL IPX2 PROTECTION OF LIVE TERMINALS WITHIN CONSUMER UNIT	2
3	CEILING ROSES TO LANDING & GROUND FLOOR BACK ROOM REQUIRE REFIXING	2
4	SUPPLEMENTARY BONDING TO BATHROOM DOES NOT COMPLY WITH BS7671:2002	2
5	BS7671:2002 DOES NO LONGER RECOGNISE BS3871 MCB'S	4
6	circuits backed up by BS 60898 M.C.B's	1
7	Filling space Filling Space Filling Space Filling Space Filling	1
8	circuits backed up by BS 60898 M.C.B's	1
9	Filling space Filling Space Filling Space Filling Space Filling	2
10	circuits backed up by BS 60898 M.C.B's	1

Note: If necessary, continue on additional page(s), which must be identified by the Domestic Periodic Inspection Report serial number and page number(s).

Where observations are made, the inspector will have entered one of the following codes against each observation indicating the action (if any) recommended:-

- 1. 'requires urgent attention' or
- 2. 'requires improvement' or
- 3. 'requires further investigation' or
- 4. 'does not comply with BS 7671:2001 (as amended)'

Urgent remedial work recommended for items: 1,2,3,4,5,6,7,8,9,10 Corrective action(s) recommended for items: 1,2,3&4

H SUMMARY OF THE INSPECTION

General condition of the installation:

THIS INSTALLATION IS DEEMED TO BE IN A SERVICABLE & SATISFACTORY CONDITION WITHIN THE LIMITATIONS OF THIS INSPECTION & TEST

Note: If necessary, continue on additional page(s), which must be identified by the Domestic Periodic Inspection Report serial number and page number(s).

Date of the inspection: 11/07/2004

Overall assessment of the installation: Satisfactory

(Entry should read either 'Satisfactory' or 'Unsatisfactory')

I NEXT INSPECTION

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

Satisfactory

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

provided that any items at G which have been attributed a Recommendation Code 1 (requires urgent attention) are remedied without delay. Items which have been attributed a Recommendation Code 2 or 3 should be actioned as soon as practicable (see G).

J SUPPLY CHARACTERISTICS, EARTHING AND BONDING ARRANGEMENTS

Supply Characteristics	System Type(s)	Characteristics of Primary Supply Overcurrent Protective Device(s)	Main Switch or Circuit Breaker	Means of earthing	Main protective conductors		
					Earthing conductor	Main equipotential bonding conductors	
Nominal Voltage <u>230</u> V	TN-S <u>N/A</u>	BS(EN) <u>BS 1361</u>	Type: BS (EN) <u>5419</u> Voltage rating <u>240</u> V	Distributor's facility: <input checked="" type="checkbox"/>	Conductor material <u>COPPER</u>	Conductor material <u>COPPER</u>	
Nominal Frequency <u>50</u> Hz	TN-C-S <input checked="" type="checkbox"/>	Type <u>B</u>	No of poles <u>2</u> Current rating <u>100</u> A	Installation Earth electrode: <input checked="" type="checkbox"/>	Conductor csa <u>25</u> mm ²	Conductor csa <u>10</u> mm ²	
Prospective fault current <u>1.162</u> kA	TT <u>N/A</u>	Nominal current rating <u>100</u> A	Supply conductors material <u>COPPER</u> RCD operating current <u>N/A</u> mA	Type: <u>Rod</u>	Continuity check <input checked="" type="checkbox"/> (✓)	Continuity check <input checked="" type="checkbox"/> (✓)	
External earth fault loop impedance <u>0.35</u> Ω		Short-circuit <u>33</u> kA	Supply conductors csa <u>25</u> mm ² RCD operating time <u>N/A</u> ms	Electrode resistance: <u>0.012</u> Ω	Bonding of extraneous-conductive-parts(✓)		
Notes: (1) by enquiry (2) by enquiry or by measurement (3) by measurement				Location: <u>Stairs</u>	Water service <input checked="" type="checkbox"/>	Gas service <input checked="" type="checkbox"/>	Lightning protection <input checked="" type="checkbox"/>
				Method of measurement: <u>N/A</u>	Oil service <input checked="" type="checkbox"/>	Structural steel <input checked="" type="checkbox"/>	Other incoming services <input checked="" type="checkbox"/>

* (Applicable only where an RCD is used as a main circuit-breaker)

SCHEDULES

K SCHEDULE OF ITEMS INSPECTED

Methods of protection against electric shock:

✓	Insulation of live parts and barriers or enclosures
✓	Presence of RCD for supplementary protection against direct contact and for protection against indirect contact
✓	Presence of earthing conductors and circuit protective conductors
✓	Presence of main equipotential bonding conductors
✓	Presence of supplementary equipotential bonding conductors
✓	Class II rated equipment
N/A	SELV

Prevention of mutual detrimental influence:

✓	Proximity of non-electrical services enclosures and other influences
✓	Segregation of Band I and Band II circuits or Band II insulation used
N/A	Electrical separation
Identification:	
✓	Presence of diagrams, instructions, circuit charts and similar information
✓	Presence of danger notices
✓	Presence of other warning notices,

Identification (continued):

✓	Labelling of protective devices, switches and terminals
✓	Identification of conductors
LIM	Cables and conductors:
LIM	Routing of cables in prescribed zones within mechanical protection
✓	Connection of conductors
LIM	Erection methods
✓	Selection of conductors for current carrying capacity and voltage drop
✓	Presence of fire barriers, suitable seals and protection against thermal effects

General:

✓	Presence of correct location of appropriate devices for isolation and switching
✓	Adequacy of access to switchgear and other equipment
✓	Particular protective measures for special installations and locations
✓	Connection of single pole devices for protection or switching in phase conductors only
✓	Correct connection of accessories and equipment
✓	Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)
✓	Selection of equipment and protective measures appropriate to external influences
✓	Selection of appropriate functional switching devices

L SCHEDULE OF ITEMS TESTED

✓	External earth fault loop impedance, (Ze)
N/A	Installation earth electrode resistance, (Ra)

LIM	Continuity of protective conductors
✓	Continuity of ring final circuit conductors

LIM	Insulation resistance between live conductors
✓	Insulation resistance between live conductors and earth
✓	Polarity

✓	Earth fault loop impedance
✓	Operation of residual current devices
✓	Functional testing of assemblies

M CIRCUIT DETAILS

N TEST RESULTS

Circuit number	Circuit designation	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors csa		Maximum permitted disconnection time (s)	Overcurrent protective devices				RCD operating current (In) (mA)	Maximum permitted Zs (Ω)	Circuit impedances (Ω)					Insulation resistance			Polarity (✓)	Maximum measured earth fault loop impedance, Zs (Ω)	RCD operating times		
					Live (mm²)	cpc (mm²)		BS (EN)	Type No.	Rating (A)	Short ckt capacity (kA)			Ring final circuits only (measured end to end)		All circuits (At least one column to be completed)		Phase/Neutral (MΩ)	Phase/Earth (MΩ)	Neutral/Earth (MΩ)	at 1 In (ms)			at 5 In (if applicable) (ms)		
														r1 (Phase)	rn (Neutral)	r2 (cpc)	R1+R2								R2	
1	SPARE	A	1/3	99	1.5	1	5	BS 3871	D	6	33	N/A	2	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
2	FIRST FLOOR LIGHTS	A	1/3	99	1.5	1	5	BS EN 61009	C	125	50	N/A	.192	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
3	GROUND FLOOR LIGHTING	A	1/3	99	1.5	1	5	BS EN 60898	D	100	80	N/A	.12	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
4	FIRST FLOOR RING MAIN	A	1/3	99	1.5	1	5	BS 3871		1	6	6	N/A	10	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM
5	WATER HEATER	A	1/3	99	1.5	1	5	BS 3871		1	6	6	N/A	10	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM
6	GROUND FLOOR RING MAIN	A	1/3	99	1.5	1	5	BS 3871		1	6	6	N/A	10	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM
7	SPARE	A	1/3	99	1.5	1	5	BS 3036		15	25	N/A	5.58	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
8	SPARE	A	1/3	99	1.5	1	5	BS 3871		1	6	6	N/A	10	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM
9	SPARE	A	1	99	1.5	1	5	BS EN 60947	B	63	80	N/A	.7619	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
10	SPARE	A	1/3	99	1.5	1	5	BS 88	gG	10	40	N/A	7.74	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
11	SPARE	A	1/3	99	1.5	1	5	BS 88	gM	10	35	N/A	7.74	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM	
12	SPARE	A	1/3	99	1.5	1	5	BS 3871		1	6	6	N/A	10	0.123	0.123	0.123	0.123	0.123	LIM	>1000	>1000	✓	0.1234	LIM	LIM

Test Instruments (serial numbers) used										O (Other - please state)	
Continuity	10092792	Insulation resistance	10092792	Earth loop impedance	10092792	RCD	10092792	Earth electrode resistance	N/A		

PERIODIC INSPECTION REPORT

GUIDANCE FOR RECIPIENTS (to be appended to the Certificate)

This Periodic Inspection Report form is intended for reporting on the condition of an existing electrical installation.

You should have received an original Report and the contractor should have retained a duplicate. If you were the person ordering this Report, but not the owner of the installation, you should pass this Report, or a copy of it, immediately to the owner.

The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with details of the condition of the electrical at the time the Report was issued.

The 'Extent and Limitations' box should fully identify the extent of the installation covered by this Report and any limitations on the inspection and tests. The contractor should agree these aspects with you and with any other interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. For items classified as 'requires urgent attention', the safety of those using the installation may be at risk, and it is recommended that a competent person undertakes the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under 'Next Inspection'.

This Report is only valid if a Schedule of Inspections and a Schedule of Test Results are appended.