DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT

(For A Single Dwelling)

Certificate Reference: 0001326

A. DETAILS OF THE CLIENT

Client: Mr J Allgrove

Address: 20 Ridgeway
Broadstone
Dorset

Postcode: BH18 8EA

B. ADDRESS AND DETAILS OF THE INSTALLATION

Installation: 2 PARKER

Address: Winton
Bournemouth

Postcode:

Estimated age of electrical installation: 20 years

Evidence of alterations or additions: if yes, estimated age: years

Date of previous inspection: 15/12/2008

Installation Cert number:

Records of installation available:

Records held by:

C. PURPOSE OF THE REPORT

Purpose for which this report is required: Property Rented

D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report: Fixed Wiring

Agreed limitations, if any, of the inspection and testing: No L-N IR testing

E. 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, 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 a 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:

Name: LEE IRELAND Position: Engineer Signature: Date: 15/12/2008

REPORT REVIEWED AND CONFIRMED BY:

Name: PAUL HEWETT Position: Director Signature: Date: 15/12/2008

F. DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: HIGHLIGHT ELECTRICAL LTD

Address: 37 Chigwell road
Queens Park
Bournemouth

Postcode: BH8 9HW

Registration Number: Nic Eic 031852 /

Telephone Number:

Notes: 1) The Domestic Periodic Inspection Report must be used only for reporting on the condition on an existing installation.
2) 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.

G. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations D:

N/A There are no items adversely affecting electrical safety

or

✓ The following observations and recommendations are made

Item No	Description	Code
1	Washing machine and 2 fridges no means of isolating	4
2	Pendant in dining needs flex shortening	4

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 7671:2008 (as amended)'
This does not imply that the electrical installation inspected is unsafe

Urgent remedial work recommended for Items: N/A

Corrective action(s) recommended for Items: 1, 2

H. SUMMARY OF THE INSPECTION

General condition of the installation:

Date(s) of the inspection: 15/12/2008

Overall assessment of the installation: Satisfactory

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than: 10 Years

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

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)

TN-S	✓
TN-C-S	N/A
TT	N/A

Number and Type of Live Conductors

1-phase (2 wire):	✓	1-phase (3 wire):	N/A
3-phase (3 wire):	N/A	3-phase (4 wire):	N/A
Other:	N/A		

Nature of Supply Parameters

Nominal voltage(s): U:	240 V	Nominal frequency, f:	50 Hz
U_o:	230 V	External earth fault loop impedance, Ze:	0.30 Ω
		Prospective fault current, I_{pf}:	0.85 kA

Characteristics of Primary Supply Overcurrent Protective Device(s)

BS(EN):	88 Fuse HRC		
Type:			
Rated current:	100 A	Short-circuit capacity:	80 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing

Distributor's facility:	✓
Installation earth electrode:	N/A

Details of Installation Earth Electrode (where applicable)

Type:	N/A	Location:	N/A
Electrode resistance, RA:	N/A Ω	Method of measurement:	N/A

Main Switch or Circuit-Breaker

Type BS(EN):	1009 RCD/RCBO - I	Voltage rating:	240 V
Number of poles:	2	Rated current, In:	100 A
Supply conductors material:	Copper	RCD operating current:	30 mA
Supply conductors csa:	16 mm²	RCD operating time:	N/A ms

Earthing and Protective Bonding Conductors

Earthing conductor

Conductor material:	Copper	Conductor csa:	16 mm²	Continuity check: ✓

Main protective bonding conductors

Conductor material:	Copper	Conductor csa:	10 mm²	Continuity check: ✓

Bonding of extraneous-conductive parts

Water service:	✓	Gas service:	✓	Oil service:		Lightning protection:		Structural Steel:		Other services:	

SCHEDULE OF ITEMS INSPECTED

Methods of protection against electric shock

Basic and fault protection: SELV ✓

Double or reinforced insulation:

✓ Double or Reinforced Insulation

Basic protection:

✓ Insulation of live parts

✓ Barriers or enclosures

Fault protection:

Automatic disconnection of supply

✓ Presence of earthing conductor

✓ Presence of circuit protective conductors

✓ Presence of main protective bonding conductors

✓ Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Electrical Separation

✓ Provided for one item of current-using equipment

Additional protection:

✓ Presence of residual current device(s)

✓ Presence of supplementary bonding conductors

Prevention of mutual detrimental influence

✓ Proximity of non-electrical services and other influences

✓ Segregation of Band I and Band II circuits or use of Band II insulation

✓ Segregation of safety circuits

Identification

✓ Presence of diagrams, instructions, circuit charts and similar information

✓ Presence of danger notices

Identification (Continued)

✓ Presence of other warning notices, including presence of mixed wiring colours

✓ Labelling of protective devices, switches and terminals

✓ Identification of conductors

Cables and conductors

✓ Selection of conductors for current carrying capacity and voltage drop

N/A Erection methods

✓ Routing of cables in prescribed zones or within mechanical protection

✓ Cables incorporating earthed armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails, screws and the like

✓ Additional protection provided by 30mA RCD for cables in concealed walls (where required in premises not under the supervision of skilled or instructed persons)

Cables and conductors (Continued)

✓ Connection of conductors

✓ Presence of fire barriers, suitable seals and protection against thermal effects

General

✓ Presence and 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 line conductors only

✓ Correct connection of accessories and equipment

✓ Selection of equipment and protective measures appropriate to external influences

✓ Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

✓ External earth fault loop impedance, Z_e

N/A Installation earth electrode resistance, R_A

✓ Continuity of protective conductors

✓ Continuity of ring final circuit conductors

✓ Insulation resistance between live conductors

✓ Insulation resistance between live conductors and earth

✓ Polarity

✓ Earth fault loop impedance, Z_s

N/A Verification of phase sequence

✓ Operation of residual current device(s)

✓ Functional testing of assemblies

✓ Verification of voltage drop

CIRCUIT DETAILS AND TEST RESULTS

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa		Max disconnect time permitted by BS7671	Overcurrent protective devices				RCD	Maximum Zs permitted by BS7671	Circuit impedances ohms					Insulation resistance (record lower or lowest value)				✓ Polarity	Maximum measured earth fault loop impedance Zs	RCD Operating times	
														Ring final circuits only (measured end to end)			All circuits (one column to be completed)									
					Live	cpc		BS(EN)	Type No	Rating	Capacity	Operating current		r1	rn	r2	R1+R2	R2	Line/Line	Line/Neutral	Line/nEarth	Neutral/Earth			At In	At 5 In
					mm^2	mm^2	s			A	kA	mA	Ω	(Line)	(Neutral)	(cpc)			MΩ	MΩ	MΩ	MΩ		Ω	ms	ms
*																										
1	Half Kitchen sockets & first floor	A	C	24	2.5	1.5	0.4	60898	B	6	6	30	7.66				0.90	N/A		> 200	> 200	> 200	✓	1.20		
2	HalfKichen sockets & ground floor	A	C	18	2.5	1.5	0.4	60898	B	6	6	30	7.66				0.68	N/A		> 200	> 200	> 200	✓	0.98		
3	First Floor Lights	A	C	9	1.0	1.0	5	60898	B	6	6		7.66				1.09	N/A		> 200	> 200	> 200	✓	1.39		
4	Smoke Detector & Lights	A	C	10	1.0	1.0	5	60898	B	6	6		7.66				0.86	N/A		> 200	> 200	> 200	✓	1.16		
5	cooker far	A	C	1	6	2.5	5	60898	B	40	6		1.15				0.27	N/A		> 200	> 200	> 200	✓	0.57		
6	Cooker nearest	A	C	1	6	2.5	5	60898	B	40	6		1.15				0.27	N/A		> 200	> 200	> 200	✓	0.57		
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Location of consumer unit(s): Hallway

Designation of consumer unit(s): D.B. 1

Prospective fault current at consumer unit(s): 0.85 kA

TEST INSTRUMENTS

Multi-functional:

Insulation resistance: 41239

Continuity: 41239

Earth electrode resistance: n/a

Earth fault loop impedance: 41239

RCD: 41239

DOMESTIC PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

GUIDANCE FOR RECIPIENT (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 installation 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 test. 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 Certificate is only valid if a Schedule of Inspections and Schedule of Test Results are appended.