



CERTIFICATE REFERENCE:
0233838

PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION (REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 (IEE WIRING REGULATIONS))

A. DETAILS OF CLIENT

Client	Lengards Ltd	Address	79 Crossbrook Street Cheshunt Hertfordshire EN8 8LU
--------	--------------	---------	---

B. PURPOSE OF REPORT

Purpose for which this report is required	Electrical Safety
---	-------------------

C. DETAILS OF THE INSTALLATION

Occupier		Description of Premises	Domestic <input checked="" type="checkbox"/>	Commercial <input type="checkbox"/>	Industrial <input type="checkbox"/>
Address	49a Thornton Avenue London	Other (Please state)	N/A		
Postcode	SW2	Estimated age of the installation	20	years	
Date of last inspection	N/A	Evidence of alterations or additions	No <input type="checkbox"/>	If 'yes', estimated age	N/A years
Installation records available:	N/A	Records held by:	N/A	E.I.C. or previous P.I.R. Number:	N/A

D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION

Extent of the electrical installation covered by this report:

Fixed cables in above address

Limitations:

No fixed panels or fittings were removed during this inspection.

90% Visual
25% Internal
25% functional

This inspection has been carried out in accordance with BS 7671: 2001 (IEE Wiring Regulations), amended to No.2 March 2004. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground have not been inspected.

E. DECLARATION

To the best of my/our knowledge and belief I/We confirm that the details recorded in this report, including the attached schedules of inspection and testing, the schedules of circuit details and associated test results (see H), and my/our observations (see F), are an accurate assessment of the condition of the electrical installation (see C), within the stated extent of the installation and limitations of inspection (see D).

I further confirm that in my/our judgement the installation is overall in an unsatisfactory condition (see I).

INSPECTED AND TESTED BY:

Signature	<i>G. Griffiths</i>
Name	GEOFF GRIFFITHS
Position	Inspector
Date	19/03/04

REVIEWED BY:

Signature	<i>D. Allsop</i>
Name	DERI ALLSOP
	Qualifying manager for the Approved Contractor at J
Date	25/03/04

H. SCHEDULES

Schedule of items inspected and items tested:	Page No 4	Additional pages including additional sources	N/A
Schedule of circuit details: Page(s)	5	Schedule of test results: Page(s)	6

The schedules identified here form an essential part of this report, and this document is valid only if accompanied by the relevant schedules.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than **1 year**

provided that any observations shown at F with a recommendation code of 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 possible.

J. CONTRACTOR DETAILS

Trading Title **Ambertec Electrical Limited**

Address **49a High Street, Ponders End, Enfield, London**

Telephone number **02084 432293**

Fax number **02084 432245**

Postcode **EN3 4NF**

K. SUPPLY CHARACTERISTICS

Tick boxes and enter details as appropriate

System	Type of Live Conductors				Nature of Supply Parameters				Supply Fuse(s) Characteristics		
TN-S	N/A	a.c. <input checked="" type="checkbox"/>	d.c. <input type="checkbox"/>	N/A	Nominal voltage(s) U ₍₁₎	415	V	U _o (1)	230	V	
TN-C-S	<input checked="" type="checkbox"/>	1-phase (2 wire)	1-phase (3 wire)	2 pole	N/A	Nominal Frequency (1)	50	Hz			BS LIM
TN-C	N/A	2-phase (3 wire)		3-pole	N/A	Prospective fault current (2)(3)	LIM	kA			Type LIM
TT	N/A	3-phase (3 wire)	3-phase (4 wire) <input checked="" type="checkbox"/>	other <input type="checkbox"/>	N/A	External loop impedance Z _e (3)(4)	LIM	Ohms			Nominal current rating LIM A
IT	N/A	Other	N/A			Number of sources	1				Short-circuit capacity LIM kA

L. PARTICULARS OF THE INSTALLATION

Tick boxes and enter details as appropriate

Means of Earthing		Details of Installation Earth Electrode (where applicable)												
Supplier's facility	<input checked="" type="checkbox"/>	Type of earth eg rod(s), tape etc	N/A	Location	N/A									
Installation earth electrode	<input type="checkbox"/>	Electrode resistance	N/A	Ohms	Method of measurement	N/A								
Main Switch or Circuit-Breaker <small>*(Applicable only where an RCD is suitable and is used as a main circuit breaker)</small>				Maximum Demand	40	A per phase	Method of Protection against indirect contact:	EEBAD						
Type:BS	5419	Voltage rating	250	V	Main Protective Conductors									
No of Poles	2	Current rating	60	A	Earthing conductor		Equipotential bonding conductors		Extraneous-conductive-parts bonded					
Cables' material	Copper	RCD operating current	N/A	mA	Conductor material	Copper	Conductor material	X	Water service	X	Gas service	X		
Cable's csa	10	RCD operating time (at 1 x I)	N/A	ms	c.s.a.	Sheath	mm ²	c.s.a.	X	mm ²	Oil service	N/A	Structural steel	N/A
					Continuity check	<input checked="" type="checkbox"/>		Continuity check	X		Lightning protection	N/A	Other incoming service(s)	N/A

This form is based on the recommendations of Appendix 6 of BS 7671: 2001

M. SCHEDULE OF ITEMS INSPECTED (See Section 712 of BS 7671)

Methods of protection against electric shock a. Protection against both direct and indirect contact:		Prevention of mutual detrimental influence	
<input type="checkbox"/> N/A	(i) SELV	<input checked="" type="checkbox"/>	a. Proximity of non-electrical services and other influences
<input type="checkbox"/> N/A	(ii) Limitation of discharge energy	<input type="checkbox"/> N/A	b. Segregation of Band I and Band II cables or Band II insulation used.
b. Protection against direct contact:		<input type="checkbox"/> N/A	c. Segregation of safety circuits
<input checked="" type="checkbox"/>	(i) Insulation of live parts	Identification	
<input checked="" type="checkbox"/>	(ii) Barriers or enclosures	<input checked="" type="checkbox"/>	Presence of diagrams, instructions, circuit charts and similar information
<input type="checkbox"/> N/A	(iii) Obstacles	<input checked="" type="checkbox"/>	Presence of danger notices and other warning notices
<input type="checkbox"/> N/A	(iv) Placing out of reach	<input checked="" type="checkbox"/>	Labelling of protective devices, switches and terminals
<input type="checkbox"/> N/A	(v) PELV	<input type="checkbox"/> X	Identification of conductors
<input checked="" type="checkbox"/> X	(vi) Presence of RCD for supplementary protection	Cables and conductors	
c. Protection against indirect contact:		<input type="checkbox"/> LIM	Routing of cables in prescribed zones within mechanical protection
(i) EEBAD including:		<input checked="" type="checkbox"/>	Connection of conductors
<input type="checkbox"/> X	Presence of earthing conductors	<input checked="" type="checkbox"/>	Erection methods
<input checked="" type="checkbox"/>	Presence of circuit protective conductors	<input checked="" type="checkbox"/>	Selection of conductors for current carrying capacity and voltage drop
<input type="checkbox"/> X	Presence of main equipotential bonding conductors	<input checked="" type="checkbox"/>	Presence of fire barriers, suitable seals and protection against thermal effects
<input type="checkbox"/> X	Presence of supplementary equipotential bonding conductors	General	
<input type="checkbox"/> N/A	Presence of earthing arrangements for combined protective and functional purposes	<input checked="" type="checkbox"/>	Presence of correct location of appropriate devices for isolation and switching
<input type="checkbox"/> N/A	Presence of adequate arrangements for alternative source(s), where applicable	<input checked="" type="checkbox"/>	Adequacy of access to switchgear and other equipment
<input type="checkbox"/> X	Presence of residual current devices	<input checked="" type="checkbox"/>	Particular protective measures for special installations and locations
<input type="checkbox"/> N/A	(ii) Use of class II equipment or equivalent insulation	<input checked="" type="checkbox"/>	Connection of single pole devices for protection or switching in phase conductors only
<input type="checkbox"/> N/A	(iii) Non conducting location: Absence of protective conductors	<input checked="" type="checkbox"/>	Correct connection of accessories and equipment
<input type="checkbox"/> N/A	(iv) Earth-free equipotential bonding: Presence of earth-free equipotential bonding conductors	<input type="checkbox"/> N/A	Presence of undervoltage protective devices
<input type="checkbox"/> N/A	(v) Electrical separation	<input checked="" type="checkbox"/>	Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)
		<input checked="" type="checkbox"/>	Selection of equipment and protective measures appropriate to external influences
		<input checked="" type="checkbox"/>	Selection of appropriate functional switching devices

N. SCHEDULE OF ITEMS TESTED (See Section 713 of BS 7671)

<input checked="" type="checkbox"/>	External earth fault loop impedance, (Ze)	<input type="checkbox"/> N/A	Protection by separation of circuits
<input type="checkbox"/> N/A	Installation earth electrode resistance, (Ra)	<input type="checkbox"/> N/A	Protection against direct contact, by barrier or enclosure provided during erection
<input checked="" type="checkbox"/>	Continuity of protective conductors	<input type="checkbox"/> N/A	Insulation of non-conducting floors or walls
<input checked="" type="checkbox"/>	Continuity of ring final circuit conductors	<input checked="" type="checkbox"/>	Polarity
<input checked="" type="checkbox"/>	Insulation resistance between live conductors	<input checked="" type="checkbox"/>	Earth fault loop impedance
<input checked="" type="checkbox"/>	Insulation resistance between live conductors and earth	<input type="checkbox"/> N/A	Operation of residual current devices
<input type="checkbox"/> N/A	Site applied insulation	<input checked="" type="checkbox"/>	Functional testing of assemblies

This form is based on the recommendations of Appendix 6 of BS 7671: 2001

All boxes must be completed.

- indicates that an inspection or a test was carried out and that the result was satisfactory.
- X indicates that an inspection or a test was carried out and that the result was unsatisfactory.
- N/A indicates that an inspection or a test was not applicable to the particular installation.
- LIM indicates that, that exceptionally, a limitation agreed with the person ordering the work (as recorded in section D) prevented the inspection or test being carried out.

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.