

PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

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

Original (To the person ordering the work)

A. DETAILS OF THE CLIENT

Client: c/o Royal letterings

Address: 57 CASTLE STREET
CANTERBURY
KENT CT1 2PY

B. PURPOSE OF THE REPORT

This Periodic Inspection Report must be used only for reporting on the condition of an existing installation.

Purpose for which this report is required: Property let out.

C. DETAILS OF THE INSTALLATION

Occupier: /

Description of premises: Domestic Commercial Industrial

Address: 45 Priest Avenue
Canterbury
Kent

Other: (Please state)

Estimated age of the electrical installation: 20 years

Postcode: CT2 8PJ

Evidence of alterations or additions If yes, estimated age years

Date of previous inspection: /

Electrical Installation Certificate No or previous Periodic Inspection Report No: /

Records of installation available: /

Records held by: /

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

Extent of the electrical installation covered by this report:

Consumer unit and all outgoing circuits.

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

Not including portable appliances (Tested Separately)

This inspection has 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.

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 C), 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 F) and the attached schedules (see H), 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 G) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

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

INSPECTION, TESTING AND ASSESSMENT BY:

Signature:

[Signature]

Name:
(CAPITALS)

P. N. CRIGGS

Position:

Qualifying Supervisor

Date:

12-8-2009

REPORT REVIEWED AND CONFIRMED BY: † See note below

Signature:

[Signature]

Name:
(CAPITALS)

N. BROCKLEBANK

Date:

20-8-2009

† The completed report should preferably be reviewed by another competent person to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results, and with the observations and recommendations for action (if any) made in the report.

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H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Items Inspected and Schedules of Items Tested: Page No 4 Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 5 Schedule of Test Results for the Installation: Page No(s) 6

The pages identified here form an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than 5 Years.
(Enter interval in terms of years, months or weeks, as appropriate)

provided that any items at F which have been attributed a Recommendation 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 (see F).

J. DETAILS OF ELECTRICAL CONTRACTOR

Trading Title: N. Brockbank

Address: Stour Farm Cottage
Riverside
Chartham
Canterbury
Hert

Telephone number: 01227 730006

Fax number: 01227 730006

Postcode: CT4 7NX

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)
TNS <input checked="" type="checkbox"/>	a.c. <input checked="" type="checkbox"/> d.c. <input type="checkbox"/>	Nominal voltage(s): <u>230</u> V $U_0^{(1)}$ <u>230</u> V	BS(EN) <u>88</u> Type <u>TT0</u> Rated current <u>60/80</u> A Short-circuit capacity <u>16.5</u> kA
TN-CS <input type="checkbox"/>	1-phase (2 wire) <input checked="" type="checkbox"/> 1-phase (3 wire) <input type="checkbox"/> 2 pole <input type="checkbox"/>	Nominal frequency, $f^{(1)}$ <u>50</u> Hz	
TN-C <input type="checkbox"/>	2-phase (3 wire) <input type="checkbox"/> 3-pole <input type="checkbox"/>	Prospective fault current, $I_{pf}^{(2)(3)}$ <u>1.22</u> kA	
TT <input type="checkbox"/>	3-phase (3 wire) <input type="checkbox"/> 3-phase (4 wire) <input type="checkbox"/> other <input type="checkbox"/>	External earth fault loop impedance, $Z_o^{(3)(4)}$ <u>0.2</u> Ω	
IT <input type="checkbox"/>	Other <input type="checkbox"/> Please state <input type="text"/>	Number of supplies <u>1</u>	

Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values (4) by measurement

L. PARTICULARS OF INSTALLATION AT THE ORIGIN Tick boxes and enter details, as appropriate

Means of Earthing	Details of Installation Earth Electrode (where applicable)	Main Switch or Circuit-Breaker	Earthing and Protective Bonding Conductors
Distributor's facility: <input checked="" type="checkbox"/>	Type: <input type="text"/> Location: <input type="text"/>	Maximum Demand (Load): <u>50</u> kVA Amps	Earthing and Protective Bonding Conductors Main protective bonding conductors: Conductor material <u>Copper</u> , Conductor csa <u>10</u> mm ² , Continuity check <input checked="" type="checkbox"/> (✓) Bonding of extraneous-conductive-parts (✓): Water service <input checked="" type="checkbox"/> , Gas service <input checked="" type="checkbox"/> , Oil service <input type="checkbox"/> , Structural steel <input type="checkbox"/> , Lightning protection <input type="checkbox"/> , Other incoming service(s) <input type="text"/>
Installation earth electrode: <input type="checkbox"/>	Electrode resistance, R_A : <input type="text"/> (Ω) Method of measurement: <input type="text"/>	Protective measure(s) against electric shock: <u>A.O.O.S</u>	
Type: BS(EN) <u>4293</u>	Voltage rating <u>230</u> V		
No of Poles <u>2</u>	Rated current, I_n <u>80</u> A		
Supply conductors material <u>Copper</u>	RCD operating current, $I_{\Delta n}$ <u>30</u> mA		
Supply conductors csa <u>16</u> mm ²	RCD operating time (at $I_{\Delta n}$) <u>13</u> ms		

* Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

† See note below

SCHEDULE OF ITEMS INSPECTED

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

SELV PELV

Double or reinforced insulation

Double or Reinforced Insulation

Basic protection

Insulation of live parts Barriers or enclosures
 Obstacles ** Placing out of reach **

Fault protection

Automatic disconnection of supply

Presence of earthing conductor
 Presence of circuit protective conductors
 Presence of protective bonding conductors
 Presence of earthing arrangements for combined protective and functional purposes
 Presence of adequate arrangements for alternative source(s), where applicable
 FELV
 Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

Absence of protective conductors

Earth-free equipotential bonding **

Presence of earth-free equipotential bonding

Electrical separation

For one item of current-using equipment
 For more than one item of current-using equipment **

Additional protection

Presence of residual current device(s)
 Presence of supplementary bonding conductors

** For use in controlled supervised/conditions only

Prevention of mutual detrimental influence

Proximity of non-electrical services and other influences
 Segregation of Band I and Band II circuits or Band II insulation used
 Segregation of Safety Circuits

Identification

Presence of diagrams, instructions, circuit charts and similar information
 Presence of danger notices and other warning notices
 Labelling of protective devices, switches and terminals
 Identification of conductors

Cables and Conductors

Selection of conductors for current carrying capacity and voltage drop
 Erection methods
 Routing of cables in prescribed zones
 Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like
 Additional protection by 30mA RCD for cables concealed in walls (where required, in premises not under the supervision of skilled or instructed persons)
 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
 Presence of undervoltage protective devices
 Selection of equipment and protective measures appropriate to external influences
 Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

† See note below

External earth fault loop impedance, Z_e
 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
 Protection by SELV, PELV or by electrical separation

Basic protection by barrier or enclosure provided during erection
 Insulation of non-conducting floors or walls
 Polarity
 Earth fault loop impedance, Z_s
 Verification of phase sequence
 Operation of residual current devices
 Functional testing of assemblies
 Verification of voltage drop

† 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**
 N/A indicates that an inspection or a test was **not applicable** to the particular installation
 LIM indicates that, exceptionally, a **limitation** agreed with the person ordering the work (as recorded in Section D) **prevented** the inspection or test being carried out.

