

**ELECTRICAL INSTALLATION CERTIFICATE**(Requirements for Electrical Installations – BS 7671 IET  
Wiring Regulations)**DETAILS OF THE CLIENT**Client/  
Address:**DETAILS OF THE INSTALLATION**

Address:

New

Extent of the installation covered  
by this Certificate:An  
AdditionAn  
Alteration**DESIGN**

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby Certify that the design work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amendment [ ] except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the DESIGN of the installation:

\*\* (Where there is divided responsibility for the design)

Signature

Date

Name  
(CAPITALS)

Designer 1

Signature

Date

Name  
(CAPITALS)

Designer 2 \*\*

**CONSTRUCTION**

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby Certify that the construction work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amendment [ ] except for any departure(s) if any listed below.

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the CONSTRUCTION of the installation:

Signature

Date

Name  
(CAPITALS)

Constructor

**INSPECTION AND TESTING**

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby Certify that the inspection and testing work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amendment [ ] except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the INSPECTION AND TESTING of the installation:

Signature

Date

Name  
(CAPITALS)

INSPECTOR

Reviewed by

Signature

Date

Name  
(CAPITALS)Qualified  
Supervisor

## DESIGN, CONSTRUCTION, INSPECTION AND TESTING

\* This box is to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the inspection and testing work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671:2008 amendment [ ] except for the departure(s) is any listed below.

Details of departures from BS 7671, as amended (Regulations 120.3.120.4) [ ]

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.  
For the DESIGN, CONSTRUCTION, and the INSPECTION AND TESTING of the installation.

|             |     |      |     |                    |     |                         |
|-------------|-----|------|-----|--------------------|-----|-------------------------|
| Signature   | [ ] | Date | [ ] | Name<br>(CAPITALS) | [ ] | INSPECTOR               |
| Reviewed by |     |      |     |                    |     |                         |
| Signature   | [ ] | Date | [ ] | Name<br>(CAPITALS) | [ ] | Qualified<br>Supervisor |

## PATICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

|   |     |   |     |
|---|-----|---|-----|
| <b>DESIGN (1)</b><br>Organisation               | [ ] |   |     |
| Address:  | [ ] | Registration No.<br>(Where appropriate) | [ ] |
|   |     | Branch number<br>(If applicable)        | [ ] |
| <b>DESIGN (2)</b><br>Organisation               | [ ] |   |     |
| Address:  | [ ] | Registration No.<br>(Where appropriate) | [ ] |
|   |     | Branch number<br>(If applicable)        | [ ] |
| <b>CONSTRUCTION</b><br>Organisation             | [ ] |   |     |
| Address:  | [ ] | Registration No.<br>(Where appropriate) | [ ] |
|   |     | Branch number<br>(If applicable)        | [ ] |
| <b>INSPECTION &amp; TESTING</b><br>Organisation | [ ] |   |     |
| Address:  | [ ] | Registration No.<br>(Where appropriate) | [ ] |
|   |     | Branch number<br>(If applicable)        | [ ] |

## SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

| System Types | Number and types of live conductors |                   |        |  | Nature of supply Parameters      |       |
|--------------|-------------------------------------|-------------------|--------|--|----------------------------------|-------|
| TN-S         | A.C.                                |                   | D.C.   |  | Nominal Voltage U/U <sub>o</sub> | Volts |
| TN-C-S       | 1-Phase<br>2 wire                   | 1-Phase<br>3 wire | 2 pole |  | Nominal Frequency                | Hz    |
| TN-C         | 2-Phase<br>3 wire                   |                   | 3 pole |  | Prospective fault current        | kA    |
| TT           | 3-Phase<br>3 wire                   | 3-Phase<br>4 wire | Other  |  | External Ze                      | Ohms  |
| IT           | Other                               |                   |        |  | Number of supplies               |       |

## CHARACTERISTICS OF THE SUPPLY OVERCURRENT PROTECTIVE DEVICE

|            |     |                        |     |      |                        |     |    |
|------------|-----|------------------------|-----|------|------------------------|-----|----|
| Type BS/EN | [ ] | Nominal current rating | [ ] | Amps | Short circuit capacity | [ ] | KA |
|------------|-----|------------------------|-----|------|------------------------|-----|----|

## PARTICULARS OF INSTALLATION AT THE ORIGIN

|  |                      |  |  |                      |  |
|--|----------------------|--|--|----------------------|--|
| Means of earthing                          |                      | Details of installation Earth Electrode (where applicable) |  |                      |  |
| Supplier's facility                        | <input type="text"/> | Type: (e.g. rods, tape ect)                                | <input type="text"/>   | Location             | <input type="text"/>                       |
| Installation earth electrode               | <input type="text"/> | Electrode resistance, RA                                   | <input type="text"/>   | Ohms                 | Method of measurement <input type="text"/> |
| Maximum Demand (Load) Per phase            | <input type="text"/> | Amps   | Method of protection against indirect contact <input type="text"/> |                      |  |
| Main Switch or circuit-Breaker             |                      |  |  |                      |  |
| Type BSEN                                  | <input type="text"/> | No. Of poles   | <input type="text"/>   | Voltage rating       | <input type="text"/>                       |
|  |                      |  |  | V                    | Current rating                             |
|  |                      |  |  |                      | A  |
|  |                      |  |  | RCD I $\Delta$ n     | <input type="text"/>                       |
|  |                      |  |  | mA                   | RCD at I $\Delta$ n                        |
|  |                      |  |  |                      | mS   |
| Supply conductors                          |                      |  |  |                      |  |
| Conductor material                         |                      | <input type="text"/>                                       | Conductor csa  |                      | <input type="text"/>                       |
|  |                      |  |  |                      | mm <sup>2</sup>                            |
| Earthing conductors                        |                      |  |  |                      |  |
| Conductor material                         |                      | <input type="text"/>                                       | Conductor csa  |                      | <input type="text"/>                       |
|  |                      |  |  |                      | mm <sup>2</sup>                            |
|  |                      |  | Continuity check   |                      | <input type="text"/>                       |
|  |                      |  |  |                      | (✓) OK                                     |
| Main equipotential bonding conductors      |                      |  |  |                      |  |
| Conductor material                         |                      | <input type="text"/>                                       | Conductor csa  |                      | <input type="text"/>                       |
|  |                      |  |  |                      | mm <sup>2</sup>                            |
|  |                      |  | Continuity check   |                      | <input type="text"/>                       |
|  |                      |  |  |                      | (✓) OK                                     |
| Bonding of extraneous conductive parts (✓) |                      |  |  |                      |  |
| Water service                              | <input type="text"/> | Gas service  | <input type="text"/>   | Oil service          | <input type="text"/>                       |
|  |                      |  |  | Structural steel     | <input type="text"/>                       |
|  |                      |  |  | Lightning protection | <input type="text"/>                       |
|  |                      |  |  | Other services       | <input type="text"/>                       |
|  |                      |  |  |                      | List in report notes                       |

## COMMENTS ON THE EXISTING INSTALLATION

Additional information and report notes

## NEXT INSPECTION

I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than

## SCHEDULE OF ITEMS INSPECTED

### PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

#### Basic and fault protection

SELV

PELV

#### Basic protection

Insulation of live parts

Barriers and enclosures

Obstacles

Placing out of reach

Double or Reinforced insulation

#### Fault Protection (Automatic disconnection of supply)

Presence of earthing conductors

Presence of circuit protection conductors

Presence of main equipotential conductors

Presence of earthing arrangements for combined protective and functional purposes

Presence of adequate arrangements for alternative sources(s), where applicable

PELV

Choice and setting of protective and monitoring devices

#### Non-conducting location:

Absence of protective conductors

#### Earth free equipotential bonding:

Presence of earth free equipotential bonding conductors

#### Electrical separation

for one item of current using equipment

#### Electrical separation

for more than one item of current using equipment

#### Additional protection

(For use in controlled supervised conditions only)

Presence of residual current device(s)

Presence of supplementary bonding conductors

### Prevention of mutual detrimental influences

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 signs

Labelling of protective devices, switches and terminals

Identification of conductors

#### Cables and conductors

Selection of conductors for current-carrying capacity and volt drop

Erection methods

Routing of cables in prescribed zones

Cables incorporating earthed armour or sheath or run in an earthed wiring system or protected against nails, screws and the like

Additional protection by a 30mA 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

Adequacy of access to switchgear and other equipment

Presence and correct location of appropriate devices for isolation and switching

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

Presence of under voltage protective devices

Selection of equipment and protective measures appropriate to external influences

Selection of appropriate functional switching devices

√

To indicate that an inspection or test has been carried out and the result is satisfactory

X

To indicate that an inspection or test has been carried out and the result was unsatisfactory

LIM

To indicate that an inspection or test has not been carried out following agreed limitations of inspection or testing

N/A

To indicate the inspection or test is not applicable

N/V

To indicate that details could not be verified

| SCHEDULE OF ITEMS TESTED |   |                          |  |
|--------------------------|---|--------------------------|--|
| <input type="checkbox"/> | External earth loop impedance, Ze                       | <input type="checkbox"/> | Basic protection against direct contact by barrier or enclosure provided during erection |
| <input type="checkbox"/> | Installation earth electrode resistance, Ra             | <input type="checkbox"/> | Insulation of non-conducting floors or walls   |
| <input type="checkbox"/> | Continuity of protective conductors                     | <input type="checkbox"/> | Polarity   |
| <input type="checkbox"/> | Continuity of ring circuit conductors                   | <input type="checkbox"/> | Earth fault loop impedance Zs  |
| <input type="checkbox"/> | Insulation resistance between live conductors           | <input type="checkbox"/> | Verification of phase sequence   |
| <input type="checkbox"/> | Insulation resistance between live conductors and earth | <input type="checkbox"/> | Operation of residual current devices  |
| <input type="checkbox"/> | Protection by separation of circuits                    | <input type="checkbox"/> | Functional testing of assemblies   |
|                          |   | <input type="checkbox"/> | Verification of voltage drop   |

| SCHEDULE OF ADDITIONAL RECORDS (See attached schedule)  |
|---|
| <b>Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).</b> |
| Page No(s) :  |

| TEST INSTRUMENTS USED      |  |
|----------------------------|--|
| Earth fault loop impedance |  |
| Insulation resistance      |  |
| Continuity                 |  |
| RCD                        |  |
| Other                      |  |

**NOTES FOR RECIPIENT**

**THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE**

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed and inspected and tested in accordance with British Standard 7671 (The IET Wiring regulations).

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

The original certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of British Standard 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that for a project covered by those Regulations, a copy of this Certificate, together with schedules is included in the health and safety documentations.

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

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or addition to an existing installation. It should not have been issued for the inspection of an existing electrical installation. A "Periodic Inspection Report" should be issued for such a periodic inspection.

The Certificate is only valid if a Schedule of Inspection of Test Results is appended.

