

ELECTRICAL INSTALLATION CERTIFICATE

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

Certificate Reference:

0039291

1. DETAILS OF THE CLIENT

Client Address: Sample Client 1, Address Line 1, Address Line 2, Address Line 3, POSTCODE

2. DETAILS OF THE INSTALLATION

Installation Address: Same as Client Address

Extent of the installation covered by this certificate: Fire alarm not tested.

The installation is:

New N/A

An addition N/A

An alteration

3. 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: amended to except for the departures, 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:

Name: Position: Signature: Date:

Where there is divided responsibility for the design

Name: Position: Signature: Date:

4. 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: amended to 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 **CONSTRUCTION** of the installation:

Name: Position: Signature: Date:

5. 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 work for which I/we have been responsible is to the best of my/our

knowledge and belief, in accordance with BS 7671: amended to 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 **INSPECTION AND TESTING** of the installation:

Name: Position: Signature: Date:

The Inspection and Testing results reviewed by the Qualified Supervisor:

Name: Position: Signature: Date:

6. DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I/We, being the person(s) responsible for the design, construction, 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 design, construction, inspection and testing, hereby CERTIFY that the said work for which I/We

have been responsible is to the best of my/our knowledge and belief, in accordance with BS 7671: amended to 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**, the **CONSTRUCTION**, and the **INSPECTION AND TESTING** of the installation:

Name: Position: Signature: Date:

The Design, Construction, Inspection And Testing results reviewed by the Qualified Supervisor:

Name: Position: Signature: Date:

7. DETAILS OF THE ELECTRICAL CONTRACTOR

DESIGN (1)	Trading Title: ELECTRICAL SAFETY SYSTEMS LIMITED		
Address:	Fulwood Road North Sutton in Ashfield Nottinghamshire	Registration Number:	024428 / 01623 4600
	Postcode: NG17 2NB	Telephone Number:	01623 460018
DESIGN (2)	Trading Title: Same as Above		
Address:		Registration Number:	
	Postcode:	Telephone Number:	
CONSTRUCTION	Trading Title: Same as Above		
Address:		Registration Number:	
	Postcode:	Telephone Number:	
INSPECTION AND TESTING	Trading Title: Same as Above		
Address:		Registration Number:	
	Postcode:	Telephone Number:	

8. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)	Number and Type of Live Conductors						Nature of Supply Parameters			Characteristics of Primary Supply Overcurrent Protective Device(s)	
TN-S	<input checked="" type="checkbox"/>	ac: <input checked="" type="checkbox"/>	dc: <input type="checkbox"/>	N/A	N/A	N/A	Nominal voltage(s): U: 230 V U ₀ :	238 V	BS(EN):	1361	
TN-C-S	<input type="checkbox"/>	1-phase (2 wire): <input checked="" type="checkbox"/>	1-phase (3 wire): <input type="checkbox"/>	N/A	2 pole: <input type="checkbox"/>	N/A	Nominal frequency, f:	50 Hz	Type:	2	
TNC	<input type="checkbox"/>	2-phase (3 wire): <input type="checkbox"/>	3 phase: <input type="checkbox"/>	N/A	3 pole: <input type="checkbox"/>	N/A	Prospective fault current, I _{pf} :	1.28kA	Rated current:	60 A	
TT	<input type="checkbox"/>	3-phase (3 wire): <input type="checkbox"/>	3-phase (4 wire): <input type="checkbox"/>	N/A	Other: <input type="checkbox"/>	N/A	External earth fault loop impedance, Z _e :	0.17 Ω	Short-circuit capacity:	33 kA	
IT	<input type="checkbox"/>	Other: <input type="checkbox"/>	N/A				Number of supplies:	1			

9. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing		Details of Installation Earth Electrode (where applicable)				
Distributor's facility:	<input checked="" type="checkbox"/>	Type:	N/A		Location:	N/A
Installation earth electrode:	N/A	Electrode resistance, RA:	N/A Ω		Method of measurement:	N/A
Maximum Demand (Load): 60 Amps		Protective measure(s) against electric shock: ADS				
Main Switch or Circuit-Breaker				Earthing and Protective Bonding Conductors		
Type BS(EN):	60947-2 MCCB	Voltage rating:	400 V		Earthing conductor	
Number of poles:	2	Rated current, I _n :	125 A		Conductor material:	Copper
Supply conductors material:	Copper	RCD operating current:	N/A mA		Conductor csa:	16 mm ²
Supply conductors csa:	25 mm ²	RCD operating time:	N/A ms		Main protective bonding conductors	
					Conductor material:	Copper
					Conductor csa:	10 mm ²
					Bonding of extraneous-conductive parts	
					Water service:	<input checked="" type="checkbox"/>
					Oil service:	<input checked="" type="checkbox"/>
					Gas service:	N/A
					Structural Steel:	N/A
					Lightning protection:	N/A
					Other services:	N/A

10. COMMENTS ON EXISTING INSTALLATION

Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation. None

11. NEXT INSPECTION

I/We, the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than: 5 Years

12. SCHEDULE OF ITEMS INSPECTED

Methods of protection against electric shock

Basic and fault protection:

N/A (i) SELV N/A (ii) PELV

Double or reinforced insulation:

✓ (iii) Double or Reinforced Insulation

Basic protection:

✓ (i) Insulation of live parts N/A (ii) Barriers or enclosures

N/A (iii) Obstacles ** N/A (iv) Placing out of reach **

Fault protection:

(i) Automatic disconnection of supply

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

(ii) Non-conducting location **

✓ Absence of protective conductors

(iii) Earth-free local equipotential bonding **

N/A Presence of earth-free local equipotential bonding

(iv) Electrical Separation

- N/A Provided for **one item** of current-using equipment
- ✓ Provided for **more than one item** of current-using equipment **

Additional protection:

- N/A Presence of residual current device(s)
- N/A Presence of supplementary bonding conductors

** For use in controlled supervised/conditions only

Prevention of mutual detrimental influence

- N/A (a) Proximity of non-electrical services and other influences
- N/A (b) Segregation of Band I and Band II circuits or use of Band II insulation
- ✓ (c) 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 or within mechanical protection
 - N/A 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)
 - ✓ Connection of conductors
 - N/A 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
 - N/A Particular protective measures for special installations and locations
 - ✓ Connection of single-pole devices for protection or switching in line conductors only
 - N/A Correct connection of accessories and equipment
 - ✓ Presence of undervoltage protective devices
 - ✓ Selection of equipment and protective measures appropriate to external influences
 - N/A Selection of appropriate functional switching devices

13. 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
- N/A Protection by separation of circuits

- N/A Protection against direct contact by barrier or enclosure provided during erection
- ✓ Insulation of non-conducting floors or walls
- N/A Polarity
- ✓ Earth fault loop impedance, Z_s
- ✓ Verification of phase sequence
- ✓ Operation of residual current device(s)
- ✓ Functional testing of assemblies
- ✓ Verification of voltage drop

14. SCHEDULE OF ADDITIONAL RECORDS (See attached schedule)

Note: Additional page(s) must be identified by the Electrical Installation Cert serial and page number(s).

None

All boxes must be completed. 'tick' indicates that an inspection or test was carried out and that the result was satisfactory. 'X' indicates that an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.

ELECTRICAL INSTALLATION CERTIFICATE

GUIDANCE FOR RECIPIENT (to be appended to the Certificate)

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 (as amended) (The IEE 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 user 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 project health and safety documentation.

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 on Page 1 under 'Next Inspection'.

This Certificate is intended to be issued only for a new electrical installation or 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.

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