

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

The installation is:

New N/A

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

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 N/A except for the departures, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4): None

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: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

Where there is divided responsibility for the design

Name: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

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 N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4): None

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: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

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 N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4): None

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: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

The Inspection and Testing results reviewed by the Qualified Supervisor:

Name: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

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 N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4): None

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: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

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

Name: JOE ENGINEER Position: Electrician Signature: Date: 03/11/2005

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				Nominal voltage(s): U: 230 V U ₀ : 238 V		BS(EN): 1361 Type: 2 Rated current: 60 A Short-circuit capacity: 33 kA															
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																		
TNC	<input type="checkbox"/>	2-phase (3 wire): <input type="checkbox"/> N/A	3 pole: <input type="checkbox"/> N/A		Prospective fault current, I _{pf} : 1.28kA																		
TT	<input type="checkbox"/>	3-phase (3 wire): <input type="checkbox"/> N/A	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																		
IT	<input type="checkbox"/>	Other: 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 material:		Copper		Conductor csa:		16 mm²		Continuity check:		<input checked="" type="checkbox"/>					
Number of poles:		2		Rated current, I _n :		125 A		Main protective bonding conductors material:		Copper		Conductor csa:		10 mm²		Continuity check:		<input checked="" type="checkbox"/>					
Supply conductors material:		Copper		RCD operating current:		N/A mA		Bonding of extraneous-conductive parts				Water service:		<input checked="" type="checkbox"/>		Oil service:		<input checked="" type="checkbox"/>		Lightning protection:		N/A	
Supply conductors csa:		25 mm²		RCD operating time:		N/A ms		Gas service:		N/A		Structural Steel:		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		Prevention of mutual detrimental influence	
Methods of protection against electric shock		<input type="checkbox"/> N/A (a) Proximity of non-electrical services and other influences	
Basic and fault protection:		<input type="checkbox"/> N/A (b) Segregation of Band I and Band II circuits or use of Band II insulation	
<input type="checkbox"/> N/A (i) SELV	<input type="checkbox"/> N/A (ii) PELV	<input checked="" type="checkbox"/> (c) Segregation of safety circuits	
Double or reinforced insulation:		Identification	
<input checked="" type="checkbox"/> (iii) Double or Reinforced Insulation		<input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information	
Basic protection:		<input checked="" type="checkbox"/> Presence of danger notices and other warning notices	
<input checked="" type="checkbox"/> (i) Insulation of live parts	<input type="checkbox"/> N/A (ii) Barriers or enclosures	<input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals	
<input type="checkbox"/> N/A (iii) Obstacles **	<input type="checkbox"/> N/A (iv) Placing out of reach **	<input checked="" type="checkbox"/> Identification of conductors	
Fault protection:		Cables and Conductors	
(i) Automatic disconnection of supply		<input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop	
<input checked="" type="checkbox"/> Presence of earthing conductor		<input checked="" type="checkbox"/> Erection methods	
<input checked="" type="checkbox"/> Presence of circuit protective conductors		<input checked="" type="checkbox"/> Routing of cables in prescribed zones or within mechanical protection	
<input checked="" type="checkbox"/> Presence of main protective bonding conductors		<input type="checkbox"/> 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	
<input checked="" type="checkbox"/> Presence of earthing arrangements for combined protective and functional purposes		<input checked="" type="checkbox"/> Additional protection provided by 30mA RCD for cables in concealed walls (where required in premises not under the supervision of skilled or instructed persons)	
<input checked="" type="checkbox"/> Presence of adequate arrangements for alternative source(s), where applicable		<input checked="" type="checkbox"/> Connection of conductors	
<input type="checkbox"/> N/A FELV		<input type="checkbox"/> N/A Presence of fire barriers, suitable seals and protection against thermal effects	
<input type="checkbox"/> N/A Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)		General	
(ii) Non-conducting location **		<input checked="" type="checkbox"/> Presence and correct location of appropriate devices for isolation and switching	
<input checked="" type="checkbox"/> Absence of protective conductors		<input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment	
(iii) Earth-free local equipotential bonding **		<input type="checkbox"/> N/A Particular protective measures for special installations and locations	
<input type="checkbox"/> N/A Presence of earth-free local equipotential bonding		<input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in line conductors only	
(iv) Electrical Separation		<input type="checkbox"/> N/A Correct connection of accessories and equipment	
<input type="checkbox"/> N/A Provided for one item of current-using equipment		<input checked="" type="checkbox"/> Presence of undervoltage protective devices	
<input checked="" type="checkbox"/> Provided for more than one item of current-using equipment **		<input checked="" type="checkbox"/> Selection of equipment and protective measures appropriate to external influences	
Additional protection:		<input type="checkbox"/> N/A Selection of appropriate functional switching devices	
<input type="checkbox"/> N/A Presence of residual current device(s)			
<input type="checkbox"/> N/A Presence of supplementary bonding conductors			
** For use in controlled supervised/conditions only			
13. SCHEDULE OF ITEMS TESTED		<input type="checkbox"/> N/A Protection against direct contact by barrier or enclosure provided during erection	
<input checked="" type="checkbox"/> External earth fault loop impedance, Z_e		<input checked="" type="checkbox"/> Insulation of non-conducting floors or walls	
<input type="checkbox"/> N/A Installation earth electrode resistance, R_A		<input type="checkbox"/> N/A Polarity	
<input checked="" type="checkbox"/> Continuity of protective conductors		<input checked="" type="checkbox"/> Earth fault loop impedance, Z_s	
<input checked="" type="checkbox"/> Continuity of ring final circuit conductors		<input checked="" type="checkbox"/> Verification of phase sequence	
<input checked="" type="checkbox"/> Insulation resistance between live conductors		<input checked="" type="checkbox"/> Operation of residual current device(s)	
<input checked="" type="checkbox"/> Insulation resistance between live conductors and earth		<input checked="" type="checkbox"/> Functional testing of assemblies	
<input type="checkbox"/> N/A Protection by separation of circuits		<input checked="" type="checkbox"/> 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 than 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.

[illegible]

16. CODES FOR TYPE OF WIRING		
A: PVC/PVC cables	D: PVC cables in metallic trunking	G: XLPE/SWA cables
B: PVC cables in metallic conduit	E: PVC cables in non-metallic trunking	H: Mineral-insulated cables
C: PVC cables in non-metallic conduit	F: PVC/SWA cables	O - Other:

18. DETAILS OF TEST INSTRUMENTS

Test Instruments (serial numbers) used:

1234567

N/A

N/A

Confirmation of supply polarity

N/A ms

At 5l_n: N/A ms

19. TEST RESULTS

[illegible]

20. TESTED BY

Position:	Electrician
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Signature:		Date of testing:	01/11/2005
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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.