

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations* by a Registered Domestic Installer registered with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

IRN/ 097HORN141218 Installer's Reference Number

DETAILS OF THE CLIENT

Client and address
 Rivers Birtwell
 Sinon House
 Brighton
 East Sussex

Postcode BN2 4JE

ADDRESS OF THE INSTALLATION

Installation address
 97 Hornby Road
 Bevendean
 East Sussex

Postcode BN2 4JH

DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate
 Installation of a new consumer unit and full rewire to comply with the current 18th edition

The installation is

New	<input checked="" type="checkbox"/>
An addition	<input type="checkbox"/>
An alteration	<input type="checkbox"/>

DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I, being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature adjacent), 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 have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671, 17th Edition, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 133.5)

None

The extent of liability of the signatory 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

Signature Name (CAPITALS) STEPHEN HORSHAM Date 14/12/2018

The results of the inspection and testing reviewed by the Qualified Supervisor

Signature Name (CAPITALS) STEPHEN HORSHAM Date 14/12/2018

PARTICULARS OF THE REGISTERED DOMESTIC INSTALLER

Trading title
 Stephen Horsham

Address
 10 Turnpike Close
 Peacehaven

Telephone No 07766303003 Postcode BN10 8BU

NICEIC Registration No D 6 0 7 7 9 3
 (Essential information)

NEXT INSPECTION

§ Enter interval in terms of years, months or weeks, as appropriate

I RECOMMEND that this installation is further inspected and tested after an interval of not more than 5 years

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

In the case of an alteration or additions see Section 633 of BS 7671

SCHEDULE OF ADDITIONAL RECORDS*

See attached schedule

* Where the electrical work to which this certificate relates includes the installation of a fire detection/alarm system (or a part of such a system), this electrical safety certificate should be accompanied by the particular certificate for the system.

This certificate is based on the model forms shown in Appendix 6 of BS 7671.

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NOTES FOR RECIPIENT

THIS SAFETY CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE REFERENCE

IF YOU WERE THE PERSON ORDERING THE WORK, BUT NOT THE OWNER OR USER OF THE INSTALLATION, YOU SHOULD PASS THIS CERTIFICATE, OR A FULL COPY OF IT INCLUDING THESE NOTES, IMMEDIATELY TO THE OWNER OR USER OF THE INSTALLATION.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, British Standard 7671 (as amended) - *Requirements for Electrical Installations* (the IET Wiring Regulations).

Where, as will often be the case, the installation incorporates a residual current device (RCD), there should be a notice at or near the consumer unit stating that the device should be tested at quarterly intervals. For safety reasons, it is important that you carry out the test regularly.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC* recommends that you engage the services of a Registered Domestic Installer for this purpose. The maximum interval recommended before the next inspection is stated on Page 1 under *Next Inspection*. There should also be a notice at or near the consumer unit indicating when the inspection of the installation is next due.

Only an NICEIC Registered Domestic Installer responsible for the construction of the electrical installation is authorised to issue this NICEIC certificate.

The Domestic Electrical Installation Certificate consists of at least four pages. The certificate is invalid if pages (containing schedules) are missing. The certificate has a printed seven-digit serial number which is traceable to the Registered Domestic Installer to which it was supplied.

This certificate is intended to be issued for either the initial certification of a new electrical installation, or for new work associated with an alteration or addition to an existing electrical installation, in a single dwelling (house or individual flat). For new electrical installation work in other than a single dwelling, a full Electrical Installation Certificate should have been issued.

This certificate should not have been issued for reporting on the condition of an existing electrical installation. An Electrical Installation Condition Report or, where appropriate, a Domestic Electrical Installation Condition Report should be issued for such an inspection.

You should have received the certificate marked 'Original' and the Registered Domestic Installer should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be kept in a safe place and shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new owner or user that the electrical installation work complied with the requirements of the national electrical safety standard at the time the certificate was issued.

Page 1 of this certificate provides details of the electrical installation, together with the names and signatures of the persons certifying the installation work and reviewing the results of inspection and testing on behalf of the Registered Domestic Installer responsible for the work, details of which are also given on that page.

Certification provides an assurance that the electrical installation work has been fully inspected and tested, and that the work has been carried out in accordance with the requirements of BS 7671 (except for any departures recorded in the appropriate part of the certificate).

All unshaded boxes should have been completed either by insertion of the relevant details or by entering 'N/A', meaning 'Not Applicable', where appropriate.

Where the electrical work to which this certificate relates includes the provision of a mains powered fire detection and alarm system (such as one or more smoke alarms), this electrical safety certificate must be accompanied by a separate certificate for that system in accordance with British Standard BS 5839-6: 2013: *Fire detection and fire alarm systems for buildings - Part 6: Code of practice for the design, installation, commissioning and maintenance of fire detection and fire alarm systems in domestic premises*.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate) have reason to believe that any element of the electrical work for which the Registered Domestic Installer has accepted responsibility (as indicated by the signatures on this certificate) does not comply with the requirements of the national electrical safety standard (BS 7671), the person should in the first instance raise the specific concerns in writing with the Registered Domestic Installer. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application and from the website. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

** NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, the Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).*

For further information about electrical safety and how NICEIC can help you,
visit www.niceic.com

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SUPPLY CHARACTERISTICS		Tick boxes and enter details, as appropriate		Nature of supply parameters		Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values		Characteristics of primary supply overcurrent protective device(s)					
System type(s)		Number and type of live conductors		Number of sources	Nominal voltage(s)	Nominal frequency, $f^{(1)}$		BS(EN)		Short-circuit capacity			
TN-S	N/A	1-phase (2-wire)	<input checked="" type="checkbox"/>	1-phase (3-wire)	N/A	V		1361		33	kA		
TN-C-S	<input checked="" type="checkbox"/>	3-phase (3-wire)	N/A	3-phase (4-wire)	N/A			Type	2	Confirmation of supply polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT	N/A	Other	Please state N/A					Rated current	60	A			
				Single-phase Prospective fault current, $I_{pf}^{(2)/(3)}$	3.18	kA	3-phase Prospective fault current, $I_{pf}^{(2)/(3)}$	N/A	kA				

PARTICULARS OF INSTALLATION AT THE ORIGIN		Tick boxes and enter details, as appropriate						Main Switch/Switch-Fuse/Circuit-Breaker/RCD					
Means of earthing		Details of installation earth electrode (where applicable)		Protective measure(s) for fault protection		Measured Z_e		Type	Voltage rating				
Distributor's facility	<input checked="" type="checkbox"/>	Type (eg rod(s), tape etc)	N/A	Location	N/A	ADS	0.07	Ω	BS(EN)	BS EN 60947-3 Isolator	230	V	
Installation earth electrode	N/A	Electrode resistance, R_A	N/A	Method of measurement	N/A		Maximum demand (Load)	45	kVA/ Amps	No of poles	2	Rated current, I_n	100
Earthing conductor		Main protective bonding conductors and bonding of extraneous-conductive-parts (✓)		Water installation pipes	<input checked="" type="checkbox"/>	Structural steel	N/A	Supply conductors material		copper	RCD operating current, $I_{\Delta n}^*$	N/A	mA
Conductor material	copper	Continuity/connection verified	<input checked="" type="checkbox"/>	Conductor material	copper	Conductor csa	10	mm ²	Supply conductors csa	25	mm ²	RCD operating time (at $I_{\Delta n}^*$)	N/A
Conductor csa	16	mm ²	<input checked="" type="checkbox"/>	Location (where not obvious)	N/A	Oil installation pipes	N/A	Other	N/A	Rated time delay*		N/A	ms
* applicable only where an RCD is used as a main circuit-breaker													

SCHEDULE OF ITEMS INSPECTED		† See note below	
1.0 CONDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT (the Distributor should be notified of any unsatisfactory equipment)			
1.1	Service cable	<input checked="" type="checkbox"/>	
1.2	Service head	<input checked="" type="checkbox"/>	
1.3	Distributor's earthing arrangement	<input checked="" type="checkbox"/>	
1.4	Meter tails - Distributor/Consumer	<input checked="" type="checkbox"/>	
1.5	Metering equipment	<input checked="" type="checkbox"/>	
1.6	Means of main isolation (where present)	<input checked="" type="checkbox"/>	
2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY			
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	<input checked="" type="checkbox"/>	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	<input checked="" type="checkbox"/>	
2.3	Presence of alternative/additional supply warning notice(s)	<input checked="" type="checkbox"/>	
3.0 AUTOMATIC DISCONNECTION OF SUPPLY			
3.1	Presence and adequacy of protective earthing/ bonding arrangements as follows:		
a)	Distributor's earthing arrangement or installation earth electrode arrangement	<input checked="" type="checkbox"/>	
b)	Earthing conductor and connections	<input checked="" type="checkbox"/>	
c)	Main protective bonding conductors and connections	<input checked="" type="checkbox"/>	
d)	Earthing/bonding labels at all appropriate locations	<input checked="" type="checkbox"/>	
3.2	Accessibility of:		
a)	Earthing conductor connections	<input checked="" type="checkbox"/>	
b)	All protective bonding connections	<input checked="" type="checkbox"/>	
4.0 BASIC PROTECTION			
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:		
a)	Insulation of live parts e.g. conductors completely covered with durable insulating materials	<input checked="" type="checkbox"/>	
b)	Barriers or enclosures e.g. correct IP rating	<input checked="" type="checkbox"/>	
5.0 ADDITIONAL PROTECTION			
5.1	Presence and effectiveness of additional protection methods		
a)	RCD(s) not exceeding 30 mA operating current	<input checked="" type="checkbox"/>	
b)	Supplementary bonding	<input checked="" type="checkbox"/>	
6.0 OTHER METHODS OF PROTECTION			
6.1	Basic and fault protection		LOCATION
a)	SELV	N/A	
b)	PELV	N/A	
c)	Double insulation/Reinforced insulation	<input checked="" type="checkbox"/>	
d)	Electrical separation for one item of equipment	<input checked="" type="checkbox"/>	

† All boxes must be completed. ✓ indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED [†] See note below

7.0 CONSUMER UNIT(S)

7.1 Adequacy of working space/accessibility	✓
7.2 Security of fixing	✓
7.3 Adequacy / security of barriers	✓
7.4 Insulation of live parts not damaged during erection	✓
7.5 Enclosures not damaged during installation	✓
7.6 Suitability of enclosures for IP and fire ratings	✓
7.7 Presence and operation of main switch(es), linked, where appropriate	✓
7.8 Operation of circuit-breakers and RCDs to prove functionality	✓
7.9 Correct identification of circuit protective devices	✓
7.10 RCD(s) provided for fault protection, where specified	✓
7.11 RCD(s) provided for additional protection, where specified	✓
7.12 Confirmation overvoltage protection (SPDs) provided and functional where specified	N/A
7.13 Presence of RCD quarterly test notice at or near the origin	✓
7.14 Presence of diagrams, charts or schedules at or near each Consumer unit(s)	✓
7.15 Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	✓
7.16 Presence of next inspection recommendation label	✓
7.17 Presence of other required labelling	✓
7.18 Selection of protective device(s) and base(s); correct type and rating	✓
7.19 Single-pole protective devices in line conductor only	✓
7.20 Protection against mechanical damage where cables enter equipment	✓
7.21 Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓
7.22 Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓

8.0 CIRCUITS

8.1 Identification of conductors	✓
8.2 Cables adequately supported throughout their length	✓
8.3 Examination of cables for signs of mechanical damage during installation	✓
8.4 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
8.5 Adequacy of protective devices: type and rated current for fault protection	✓
8.6 Presence and adequacy of circuit protective conductors	✓
8.7 Coordination between conductors and overload protective devices	✓
8.8 Non-sheathed cables enclosed throughout (e.g. in conduit/trunking)	✓
8.9 Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	✓
a) Installed in prescribed zones	✓
b) Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	✓

8.10 Provision of additional protection by RCDs having rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA	✓
a) For mobile equipment with a current rating not exceeding 32 A for use outdoors	✓
b) For all socket-outlets of rating 20 A or less, unless exempt	✓
c) For cables installed in walls/partitions at a depth of less than 50 mm	✓
d) For cables installed in walls/partitions containing metal parts regardless of depth	✓
8.11 Provision of fire barriers, sealing arrangements so as to minimize the spread of fire	✓
8.12 Band II cables segregated/separated from Band I cables	✓
8.13 Cables segregated/separated from non-electrical services	✓
8.14 Termination of cables at enclosures	✓
a) Connections under no undue strain	✓
b) No basic insulation of a conductor visible outside enclosure	✓
8.15 Circuit accessories not damaged during erection	✓
8.16 Single-pole devices for switching or protection in the line conductors only	✓
8.17 Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment	✓
8.18 Presence of appropriate devices for isolation and switching correctly located	✓
a) Accessible means of switching off for mechanical maintenance	✓
b) Correct operation verified (functional check)	✓

9.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

9.1 Adequacy of working space/accessibility	✓
9.2 Suitability of equipment in terms of IP and fire ratings	✓
9.3 Enclosure not damaged/deteriorated during installation so as to impair safety	✓
9.4 Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire	✓
9.5 Recessed luminaires (downlighters)	✓
a) Correct type of lamps fitted	✓
b) Installed to minimise build-up of heat	✓

10.0 LOCATION(S) CONTAINING A BATH OR SHOWER

10.1 Additional protection by RCD not exceeding 30 mA	✓
a) For low voltage circuits serving the location	✓
b) For low voltage circuits passing through Zone 1 and Zone 2 not serving the location	✓
10.2 Where used as a protective measure, requirements for SELV or PELV are met	✓
10.3 Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	N/A
10.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2008	N/A
10.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A
10.6 Suitability of equipment for external influences for installed location in terms of IP rating	✓
10.7 Suitability of electrical equipment for installation in a particular zone	✓

11.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS

11.1 List all other special installations or locations present, if any. (Record separately the results of particular inspections applied separately)	

SCHEDULE OF ITEMS INSPECTED BY:

Signature: 

Name (Capitals): STEPHEN HORSHAM

Date: 14/12/2018

[†] All boxes must be completed. ✓ indicates that an inspection was carried out and that the result was satisfactory. N/A indicates that an inspection was not applicable to the particular installation.

[‡] Where a smoke alarm has been installed, separate certification is required on the appropriate form.

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

CIRCUIT DETAILS TEST RESULTS

Circuit number	Circuit designation <small>* To be completed only where this consumer unit is remote from the origin of the installation. Record details of the circuit supplying this consumer unit in the bold box.</small>	Type of wiring (see code)	Reference method (see Appendix 4 or BS 7671)	Number of points served	Circuit conductors: csa		Max. disconnection time (s) by BS 7671	Overcurrent protective devices				RCD Operating current, I _{Δn} (mA)	Maximum Z _s permitted by BS 7671 (Ω)	Circuit impedances (Ω)					Insulation resistance				Polarity (✓)	Maximum measured earth fault loop impedance, Z _s (Ω)	RCD													
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)			Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line (MΩ)	Line/Neutral (MΩ)	Line/Earth (MΩ)	Neutral/Earth (MΩ)			operating times at I _{Δn} (ms)	at 5 I _{Δn} (if applicable) (ms)	Test button operation (✓)											
														r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂																				
					*																																	
	RCD																																					
	Cooker	A	B	1	6	2.5	0.4	60898	B	32	6	30	1.36	N/A	N/A	N/A	0.45	N/A	N/A	999	999	999	999	✓	0.53	37	14	✓										
	Sockets - First Floor	A	B	15	2.5	1.5	0.4	60898	B	32	6	30	1.36	0.30	0.30	0.52	0.78	N/A	999	999	999	999	✓	0.84	37	14	✓											
	Sockets - Ground Floor Bed / Fridge Freezer	A	B	8	2.5	1.5	0.4	60898	B	16	6	30	2.73	N/A	N/A	N/A	1.17	N/A	N/A	999	999	999	999	✓	1.24	37	14	✓										
	Lights - Ground Floor	A	B	11	1	1	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	0.84	N/A	N/A	999	999	999	999	✓	0.91	37	14	✓										
	Smoke Alarm	A	B	9	1	1	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	0.85	N/A	N/A	999	999	999	999	✓	0.93	37	14	✓										
	SPARE																																					
	SPARE																																					
	SPARE																																					
	RCD																																					
	Shower	A	B	1	10	4	0.4	60898	B	40	6	30	1.09	N/A	N/A	N/A		N/A	N/A	999	999	999	999	✓	0.48	37	23	✓										
	Sockets - Kitchen	A	B	8	2.5	1.5	0.4	60898	B	32	6	30	1.36	0.20	0.20	0.40	0.40	N/A	999	999	999	999	✓	0.46	37	23	✓											
	SPARE																																					
	Sockets - Lounge / Table / Boiler / Front Door Power	A	B	6	2.5	1.5	0.4	60898	B	16	6	30	2.73	N/A	N/A	N/A	0.91	N/A	N/A	999	999	999	999	✓	0.97	37	23	✓										
	Lights - Hall (EML) / Outside	A	B	6	1	1	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	0.70	N/A	N/A	999	999	999	999	✓	0.79	37	23	✓										
	Lights - First Floor	A	B	6	1	1	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	1.02	N/A	N/A	999	999	999	999	✓	1.09	37	23	✓										
	SPARE																																					
	SPARE																																					

Location of consumer unit Designation of consumer unit Prospective fault current at consumer unit kA

TEST INSTRUMENTS		Test instruments (serial numbers) used	
Multi-function	<input type="text"/>	Insulation resistance	<input type="text"/>
Continuity	<input type="text"/>	Earth electrode resistance	<input type="text"/>
Earth fault loop impedance	<input type="text"/>	RCD	<input type="text"/>

Original (To the person ordering the work)
0 (Other - please state)
H Mineral-insulated cables
G Thermoplastic/SWA cables
F Thermoplastic/SWA cables
E Thermoplastic cables in non-metallic trunking
D Thermoplastic cables in metallic trunking
C Thermoplastic cables in non-metallic conduit
B Thermoplastic cables in metallic conduit
A Thermoplastic insulated/sheathed cables