NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **DCN8/ 0393663**

CRN/

ELECTRICAL INSTALLATION CERTIFICATE FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

Original (To the person ordering the work)

Contractor's Reference Number

TYPE OF INSTALLATION

Tick appropriate box

Domestic dwelling ☑ Highway Installation ☐ Leisure Accommodation Vehicle ☐ Modular dwelling ☐ Transportable unit ☐

DETAILS OF THE CLIENT/MANUFACTURER

Client and address: MR Danny Da Costa

Postcode

ADDRESS OF THE INSTALLATION/LOCATION

Installation address: 17 craster Rd
London

Postcode SW2 2AT

DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate: Installation of new consumer unit only

The installation is: New ✓ / An addition / An alteration

DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I, being the person 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, amended to (date) except for the departures, if any, detailed as follows:

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

Relevant risk assessment(s) have been attached to this certificate (Regulation 411.3.3 indent (a)) ☐

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 P C Thomas Name (CAPITALS) P. THOMAS Date 5/6/18

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

Signature P C Thomas Name (CAPITALS) P. THOMAS Date 5/6/18

PARTICULARS OF THE APPROVED CONTRACTOR

Trading title: Earlsheath Electrical Services (AG) Ltd

Address:
Hildene
London Rd
Wrotham
Kent

Telephone No 07956 939355 Postcode TN15 7RS

NICEIC Enrolment No (Essential information) 043874 Branch No (if applicable)

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 § 10 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

More sockets needed in bedrooms!

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.

Please see the 'Notes for Recipients' on the reverse of this page.

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

System type(s): TN-S ✓; TN-C-S; TT

Number and type of live conductors: 1-phase (2-wire) ✓; 1-phase (3-wire); 3-phase (3-wire); 3-phase (4-wire); Other (Please state)

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*

Number of sources: 1

Nominal voltage(s) $U^{(1)}$: V; $U_o^{(1)}$: 230 V

Nominal frequency, $f^{(1)}$: 50 Hz

External earth fault loop impedance, $Z_e^{(1)}$: Ω

Single-phase Prospective fault current, $I_{pf}^{(2)(3)}$: 2·6 kA

3-phase Prospective fault current, $I_{pf}^{(2)(3)}$: kA

Characteristics of primary supply overcurrent protective device(s)

BS(EN): 1361; Type: II B; Rated current: 100 A

Short-circuit capacity: 10 kA

Confirmation of supply polarity: ✓

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of earthing: Distributor's facility ✓; Installation earth electrode

Details of installation earth electrode (where applicable): Type (eg rod(s), tape etc); Location; Electrode resistance, R_A Ω; Method of measurement

Measured Z_e: 0·10 Ω

Protective measure(s) for fault protection: ADS

Maximum demand (Load): kVA/ Amps *Delete as appropriate*

Number of smoke alarms: 0 ‡

Earthing conductor: Conductor material: COPPER; Conductor csa: 16 mm²; Continuity/ connection verified ✓

Main protective bonding conductors and bonding of extraneous-conductive-parts: Continuity/ connection verified ✓; Conductor material: COPPER; Conductor csa: 16 mm²; Location (where not obvious)

Water installation pipes ✓; Structural steel N/A; Oil installation pipes N/A; Other; Gas installation pipes ✓

Main Switch/Switch-Fuse/Circuit-Breaker/RCD

Type BS(EN): 60947-3; Voltage rating: 230 V

No of poles: 2; Rated current, I_n: 100 A

Supply conductors material: COPPER; RCD operating current, $I_{\Delta n}$*: N/A mA

Supply conductors csa: 25 mm²; RCD operating time (at $I_{\Delta n}$)*: N/A ms

Rated time delay*: N/A ms

** applicable only where an RCD is used as a main circuit-breaker*

VEHICLE DETAILS

Tick boxes and enter details as appropriate

Type: Touring; Static; Motorhome ✓ N/A; Year of manufacture; Model; Registration (motorhome); VIN

PARTICULARS OF VEHICLE INSTALLATION

Hook-up connection: Flexible supply cable N/A; Length m; csa mm²; I_z A; $(R_1+R_2)_{cs}$ Ω; $(R_1+R_2)_{fc}$ Ω

Means of earthing

System type: TT

For static (fixed) vehicles Installation earth electrode details: Type: *(e.g. rod(s), tape(s))*; Method of measurement; Electrode resistance, R_A Ω; Location

System type: TN-S

Maximum tolerable upstream earth fault loop impedance, Z_T Ω

Maximum tolerable fault current: kA

Maximum demand (Load) per phase provision: kVA/ Amps

Earthing and protective bonding conductors *Tick boxes and enter details as appropriate*

Earthing conductor *(for static vehicles)*	Conductor material		Conductor csa	mm²	Connection/ continuity verified
Chasis	Conductor material		Conductor csa	mm²	Connection/ continuity verified
Water service	Conductor material		Conductor csa	mm²	Connection/ continuity verified
Gas service	Conductor material		Conductor csa	mm²	Connection/ continuity verified

Supply voltage(s) and maximum load/demand: Nominal voltage(s) U_o U; Maximum permitted load kVA/ Amps

TRANSPORTABLE UNIT DETAILS

Model name: N/A; Description

Maximum tolerable upstream earth fault loop impedance, Z_T Ω; Maximum tolerable fault current kA

Maximum demand (Load) per phase provision kVA/ Amps

† ***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.*

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

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	✓
1.2	Service head	✓
1.3	Distributor's earthing arrangement	✓
1.4	Meter tails - Distributor/Consumer	✓
1.5	Metering equipment	✓
1.6	Means of main isolation (where present)	✓

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	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A
2.3	Presence of alternative/additional supply warning notice(s)	N/A

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	N/A
	b) Earthing conductor and connections	✓
	c) Main protective bonding conductors and connections	✓
	d) Earthing/bonding labels at all appropriate locations	N/A
3.2	Accessibility of:	
	a) Earthing conductor connections	✓
	b) All protective bonding connections	✓

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	✓
	b) Barriers or enclosures e.g. correct IP rating	✓

5.0 ADDITIONAL PROTECTION

5.1	Presence and effectiveness of additional protection methods	
	a) RCD(s) not exceeding 30 mA operating current	✓
	b) Supplementary bonding	✓
	c) Segregation of safety circuits	✓

6.0 OTHER METHODS OF PROTECTION

6.1	Basic and fault protection	
	a) SELV	✓
	b) PELV	✓
	c) Double insulation/Reinforced insulation	✓
	d) Electrical separation for one item of equipment	✓
6.2	Presence of danger notices	N/A

7.0 SWITCHGEAR/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 to verify disconnection	✓
7.8	Switchgear not damaged/deteriorated such as might impair safety	✓
7.9	Operation of circuit-breakers and RCDs to prove functionality	✓
7.10	Correct identification of circuit protective devices	✓
7.11	RCD(s) provided for fault protection, where specified	✓
7.12	RCD(s) provided for additional protection, where specified	✓
7.13	Confirmation overvoltage protection (SPDs) provided and functional where specified	N/A
7.14	Presence of RCD quarterly test notice at or near the origin	✓
7.15	Presence of diagrams, charts or schedules at or near each Consumer unit(s)	✓
7.16	Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	✓
7.17	Presence of next inspection recommendation label	✓
7.18	Presence of other required labelling	N/A
7.19	Selection of protective device(s) and base(s); correct type and rating	✓
7.20	Single-pole protective devices in line conductor only	✓
7.21	Protection against mechanical damage where cables enter equipment	✓
7.22	Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓
7.23	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	✓

† ***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.*

NICEIC APPROVED CONTRACTOR

ELECTRICAL INSTALLATION CERTIFICATE FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

SCHEDULE OF ITEMS INSPECTED continued

†See note below

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 minimise 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)	✓
8.19	Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like	✓

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	✓
10.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	✓
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 where the result of particular inspections apply)	

SCHEDULE OF ITEMS INSPECTED PARTICULAR TO A LEISURE ACCOMMODATION VEHICLE OR TRANSPORTABLE UNIT

1.	Cables adequately protected against the effects of vibration	
2.	Presence of protection against mechanical damage where cables enter equipment	
3.	Cables segregated/separated from non-electrical services such as LPG compartment **(see Regulation 721.528.3.4)**	N/A
4.	Accessories/Equipment	
	-Security of fixing, and suitability for the environment and external influences (e.g. IP rating)	
	-Equipment does not constitute a fire hazard	

SCHEDULE OF ITEMS INSPECTED PARTICULAR TO HIGHWAY STREET FURNITURE

1.	The requirements of BS 7671 regarding access to live parts **(see Regulation 714.411.2.201)** have been met.	
2.	Enclosure(s) securely fixed and not damaged/deteriorated so as to impair safety	
3.	Presence of protection against mechanical damage where cables enter equipment	
4.	Provision of RCD of $I_{\Delta n} \leq 30$ mA for additional protection for lighting of bus shelters, telephone kiosks, town plans and the like	N/A
5.	Connection of conductors adequately enclosed	
6.	Accessories/Equipment	
	-Security of fixing, and suitability for the environment and external influences (e.g. IP rating)	
	-Equipment does not constitute a fire hazard	

SCHEDULE OF ITEMS INSPECTED BY:

Signature P C Thomas Name (Capitals): P. THOMAS Date: 5/6/18

† ***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.*

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CERTIFICATE FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

CIRCUIT DETAILS

TEST RESULTS

Circuit number	Circuit designation * 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.	Type of wiring (see code)	Reference method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices: BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	RCD: Operating current $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)	Circuit impedances (Ω): Ring final circuits only (measured end to end) r_1 (Line)	r_n (Neutral)	r_2 (cpc)	All circuits (At least one column to be completed) $(R_1 + R_2)$	R_2	Insulation resistance: Line/Line (MΩ)	Line/Neutral (MΩ)	Line/Earth (MΩ)	Neutral/Earth (MΩ)	Polarity (✓)	Maximum measured earth fault loop impedance, Z_s (Ω)	RCD: operating times at $I_{\Delta n}$ (ms)	RCD: operating times at 5 $I_{\Delta n}$ (if applicable) (ms)	RCD: Test button operation (✓)
*	RCD							61008		80		30													34	19	✓
1	Kitchen Sockets	A	A	10	2.5	1.5	0.4	60898	B	32	6		1.08	0.41	0.41	0.65	0.26		N/A	>200	>200	>200	✓	0.35			
2	1st Floor Sockets	A	A	6	2.5	1.5	0.4	"	B	32	6		1.08	0.31	0.31	0.44	0.75		N/A	"	"	"	✓	0.56			
3	Basement lights	A	A	3	1.5	1.0	0.4	"	B	6	6		5.82				0.30		N/A	"	"	"	✓	0.40			
	RCD							61008		80		30													36	20	✓
8	Ground floor Socket	A	A	5	2.5	1.5	0.4	60898	B	32	6		1.08	0.13	0.13	0.29	0.25		N/A	>200	>200	>200	✓	0.35			
9	Lights	A	A	18	1.5	1.0	0.4	"	B	6	6		5.82				0.98		N/A	"	"	"	✓	1.08			

CODES FOR TYPE OF WIRING: A Thermoplastic insulated/sheathed cables; B Thermoplastic cables in metallic conduit; C Thermoplastic cables in non-metallic conduit; D Thermoplastic cables in metallic trunking; E Thermoplastic cables in non-metallic trunking; F Thermoplastic/SWA cables; G Thermosetting/SWA cables; H Mineral-insulated cables; 0 (Other - please state)

Location of consumer unit: Understairs

Designation of consumer unit: Power/Lights

Prospective fault current at consumer unit: 2.8 kA

TEST INSTRUMENTS

Test instruments (serial numbers) used

Multi-function: 8226840

Insulation resistance:

Continuity:

Earth electrode resistance:

Earth fault loop impedance:

RCD:

NICEIC APPROVED CONTRACTOR

Contractor's Reference Number

CRN/

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ELECTRICAL INSTALLATION CONDITION REPORT

FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX.

Original (To the person ordering the work)

TYPE OF INSTALLATION

Tick appropriate box Domestic dwelling ☑ Highway Installation ☐ Leisure Accommodation Vehicle ☐ Modular dwelling ☐ Transportable unit ☐

DETAILS OF THE CLIENT

Client: MR Danny Da Costa

Address:

Postcode:

PURPOSE OF THE REPORT

Purpose for which this report is required: Annual Safety Check

Date(s) on which inspection and testing were carried out: 31/05/18

DETAILS OF THE INSTALLATION

Occupier:

Address: 17 Crafter Road
Brixton Hill
SW2 2AT

Postcode:

Estimated age of the electrical installation: 30 years

Evidence of alterations or additions: yes

If yes, estimated age: 7

Date of previous inspection: N/A

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

Records of installation available:

Records held by:

EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report: whole

Agreed limitations including the reasons, if any, on the inspection and testing: None

Agreed with:

Operational limitations including the reasons (see page No.) Unable to check joints and junctions that may be in walls or underfloors.

The inspection and testing have 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 unless specifically agreed between the client and inspector prior to the inspection.

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety): This Installation is now in a safe condition to be in service as all observations and recommendations have been sorted.

Summary of the condition of the installation continued on additional pages? No Yes Specify page No(s):

Overall assessment of the installation: SATISFACTORY / ~~UNSATISFACTORY~~*

Delete as appropriate

*** An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)

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

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at page 1:

There are **no** items adversely affecting electrical safety [ ] **or** The following observations and recommendations for action are made [✓]

Item No	Observation(s) include reference location as appropriate	Code†
1	Fuseboard not metal fire hazard	C3
2	Fuses are rewirable need replacing	C2
3	No Rcd Protection	C2
4	Insulation showing on light cables	C2
5	No fire protection on spot lights	C2
6	Earth not continuous on light circuit	C2
7	Switch lines not identified on lights	C3
8	No main earth on gas meter/pipe	C1

Additional pages? No [ ] Yes [ ] Specify page No(s): [ ]

† *One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:*

Code C1 *'Danger present'. Risk of injury. Immediate remedial action required.*
Code C2 *'Potentially dangerous'. Urgent remedial action required.*
Code C3 *'Improvement recommended'.*
Code FI *'Further investigation required without delay'.*

Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items:	8
Urgent remedial action required for items:	2, 3, 4 + 5
Further investigation required without delay for items:	6
Improvement recommended for items:	1 + 7

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 on page 1, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is SATISFACTORY / ~~UNSATISFACTORY*~~ *Delete as appropriate*

at the time the inspection was carried out, and that it should be further inspected as recommended within the time interval given below.

* **An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: P C Thomas
Name: (CAPITALS) P C THOMAS
Position: Supervising Engineer
Date: 31/5/18

REPORT REVIEWED AND CONFIRMED BY:

Signature: P C Thomas
Name: (CAPITALS) P. C THOMAS
(Registered Qualified Supervisor for the Approved Contractor)
Date: 7/6/18

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 or months, as appropriate)

provided that any items which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or FI (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable.

Please see the 'Guidance for Recipients on the Classification codes' on the reverse of this page.

NICEIC APPROVED CONTRACTOR

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ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

System type(s)

TN-S ✓
TN-C-S
TT

Number and type of live conductors

1-phase (2-wire) ✓
1-phase (3-wire)
3-phase (3-wire)
3-phase (4-wire)
Other — Please state

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 (4) by measurement

Number of sources: 1
Nominal voltage(s) $U^{(1)}$: V
$U_o^{(1)}$: 230 V
Nominal frequency, $f^{(1)}$: 50 Hz
External earth fault loop impedance, $Z_e^{(3/4)}$: Ω
Single-phase Prospective fault current, $I_{pf}^{(2)(3)}$: 2·6 kA
3-phase Prospective fault current, $I_{pf}^{(2)(3)}$: kA

Characteristics of primary supply overcurrent protective device(s)

BS(EN): 1361
Short-circuit capacity: 10 kA
Type: IIB
Confirmation of supply polarity: ✓ ✓
Rated current: 60 A

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of earthing

Distributor's facility ✓
Installation earth electrode

Details of installation earth electrode (where applicable)

Type (eg rod(s), tape etc)
Location
Electrode resistance, R_A: Ω
Method of measurement

Protective measure(s) for fault protection
Measured Z_e: 0·60 Ω
Maximum demand (Load): kVA/ Amps *Delete as appropriate*
Number of smoke alarms

Main Switch/Switch-Fuse/Circuit-Breaker/RCD

Type BS(EN): 5419
Voltage rating: 230 V
No of poles: 2
Rated current, I_n: 100 A
Supply conductors material: copper
RCD operating current, $I_{\Delta n}$*: N/A mA
Supply conductors csa: 25 mm²
RCD operating time (at $I_{\Delta n}$)*: N/A ms
Rated time delay*: N/A ms

** applicable only where an RCD is used as a main circuit-breaker*

Earthing conductor

Conductor material: Copper
Conductor csa: 16 mm²
Continuity/ connection verified: ✓ ✓

Main protective bonding conductors and bonding of extraneous-conductive-parts

Continuity/ connection verified: ✓ ✓
Conductor material: Copper
Conductor csa: 16 mm²
Location (where not obvious)
Water installation pipes: ✓
Structural steel: N/A
Oil installation pipes: N/A
Other
Gas installation pipes: C1

VEHICLE DETAILS

Tick boxes and enter details as appropriate

Type: Touring Static / Motorhome
Year of manufacture
Model
Registration (motorhome)
VIN

PARTICULARS OF VEHICLE INSTALLATION OR TRANSPORTABLE UNITS

☐ **Hook-up connection**

Flexible supply cable
Length: m
csa: N/A mm²
I_z: A
$(R_1+R_2)_{cs}$: Ω

☐ System type: TT

For direct connection
Installation earth electrode details:
Type: *(e.g. rod(s), tape(s))*
Method of measurement
Electrode resistance, R_A: Ω
Location

Means of earthing

System type: TN-S ☐ TN-C-S* ☐

* Connection to a TN-C-S system requires supervision (see regulation 717.411.4)

Measured earth fault loop impedance, Z_e: Ω

Supply voltage(s) and maximum load/demand

Nominal voltage(s) U_o U
Maximum permitted load: kVA/ Amps

Earthing and protective bonding conductors *Tick boxes and enter details as appropriate*

		Conductor material	Conductor csa	mm²	Connection/ continuity verified
Earthing conductor *(for static vehicles or transportable units)*					
Chasis					
Water service					
Gas service					

TRANSPORTABLE UNIT DETAILS

Model name and year: N/A
Description

† ***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.*

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered **DPN7/ 0216502**

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

DETAILS OF NICEIC APPROVED CONTRACTOR

NICEIC APPROVED CONTRACTOR Enrolment number: (Essential information) 0 4 3 8 7 4

Branch number: (if applicable)

Trading title: Larkheath Electrical Services (AG) Ltd

Address: Hildene, London Rd, Wrotham, Kent

Postcode: TN15 7RS

Telephone number: 01959 569355

Email address:

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
1.0	**Condition/adequacy of distributor's/supply intake equipment†**	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Distributor's earthing arrangement	✓
1.4	Meter tails - Distributor/Consumer	✓
1.5	Metering equipment	✓
1.6	Means of main isolation (where present)	✓
2.0	**Presence of adequate arrangements for other sources** (*microgenerators etc*)	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A
2.3	Presence of alternative/additional supply warning notice(s)	N/A
3.0	**Earthing and bonding arrangements**	
3.1	Presence and condition of distributor's earthing arrangement	✓
3.2	Presence and condition of earth electrode connection	N/A
3.3	Confirmation of adequate earthing conductor size	✓
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓
3.5	Confirmation of adequate main protective bonding conductor sizes	✓
3.6	Accessibility and condition of main protective bonding conductor connections	✓
3.7	Accessibility and condition of other protective bonding connections	✓
3.8	Provision of earthing and bonding labels at all appropriate locations	✓

Item	Description	Outcome*
4.0	**Consumer unit(s)**	
4.1	Adequacy of working space or access to consumer unit	✓
4.2	Security of fixing	✓
4.3	Condition of enclosure(s) in terms of IP rating	✓
4.4	Condition of enclosure(s) in terms of fire rating	C3
4.5	Enclosure not damaged/deteriorated so as to impair safety	✓
4.6	Presence of linked main switch	✓
4.7	Operation of main switch (*functional check*)	✓
4.8	Main switch capable of being secured in the OFF position	C3
4.9	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	C2
4.10	Correct identification of circuits and protective devices	✓
4.11	Presence of RCD test notice at or near consumer unit	N/A
4.12	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	C3
4.13	Presence of alternative or additional supply warning notice at or near consumer unit	N/A
4.14	Presence of next inspection recommendation label	C3
4.15	Presence of other required labelling (*please specify*)	N/A
4.16	Examination of protective device(s) and base(s); correct type and rating (*no signs of unacceptable thermal damage, arcing or overheating*)	C2
4.17	Single-pole switching or protective devices in the line conductors only	✓
4.18	Protection against mechanical damage where cables enter consumer unit	✓
4.19	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✓
4.20	RCDs provided for fault protection – includes RCBOs	C2
4.21	RCDs provided for additional protection – includes RCBOs	C2
4.22	Confirmation of indication that SPD is functional	N/A

Item	Description	Outcome*
4.23	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓
5.0	**Distribution/final circuits**	
5.1	Identification of conductors	C3
5.2	Cables correctly supported throughout their length	LIM
5.3	Condition of insulation of live parts	✓
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (*including confirmation of the integrity of conduit and trunking systems*)	✓
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
5.6	Adequacy of protective devices; type and rated current for fault protection	C2
5.7	Presence and adequacy of circuit protective conductors	✓
5.8	Co-ordination between conductors and overload protective devices	✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	✓
5.10	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	
	• installed in prescribed zones. Extent and limitations	LIM
	• incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Extent and limitations)	✓
5.11	Provision of additional protection by RCD not exceeding 30 mA	
	• §for all socket-outlets of rating 20 A or less	C2
	• §for mobile equipment not exceeding a rating of 32A for use outdoors	C2
	• §for cables installed in walls or partitions at a depth of less than 50 mm	C2
	• §for cables installed in walls / partitions containing metal parts regardless of depth	C2
	• §lighting of bus shelters, telephone kiosks, town plans and the like	N/A

† *Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.*

§ *Older installations designed prior to BS 7671: 2008 may not have been provided with RCDs for additional protection.*

* ***All boxes must be completed.***

'✓' indicates **Acceptable condition**

'LIM' indicates a **Limitation**

'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**

Improvement recommended state **C3**

Further investigation required without delay state **FI** (to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets.
C1, C2 , C3 and FI coded items to be recorded in Page 2 of the report.

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered DPN7/ 0216502

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	✓
5.13	Band II cables segregated/separated from Band I cables	✓
5.14	Cables segregated/separated from communications cabling	✓
5.15	Cables segregated/separated from non-electrical services	✓
5.16	Termination of cables at enclosures (*extent of sampling indicated on page 1 of the report)*	
	• Connections soundly made and under no undue strain	✓
	• No basic insulation of a conductor visible outside enclosures	C2
	• Connections of live conductors adequately enclosed	✓
	• Adequately connected at point of entry to enclosure (*glands, bushes etc.*)	✓
5.17	Condition of accessories including socket-outlets, switches and joint boxes	✓
5.18	Suitability of accessories for external influences	✓
5.19	Adequacy of working space / accessibility to equipment	✓
5.20	Single-pole devices for switching or protection in line conductors only	✓
6.0	**Isolation and switching** (isolation, switching off for mechanical maintenance and functional switching)	
6.1	In general	
	• presence and condition of appropriate devices	✓
	• correct operation verified	✓
6.2	For isolation and switching for mechanical maintenance only	
	• capable of being secured in the OFF position where appropriate	✓
	• acceptable location – state if local or remote from equipment being controlled where appropriate	✓
	• clearly identified by position and/or durable marking(s)	✓
6.3	For isolation only	
	• warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	✓

Item	Description	Outcome*
7.0	**Current-using equipment** (Permanently connected)	
7.1	Condition of equipment in terms of IP rating	✓
7.2	Equipment does not constitute a fire hazard	C2
7.3	Enclosure not damaged/deteriorated so as to impair safety	✓
7.4	Suitability for the environment and external influences	✓
7.5	Security of fixing	✓
7.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire *List number and location of luminaires inspected. (Separate page)*	✓
7.7	Recessed luminaires (downlighters)	
	• correct type of lamps fitted	✓
	• installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	C2
	• no signs of overheating to surrounding building fabric	✓
	• no signs of overheating to conductors/terminations	✓
8.0	**Location(s) containing a bath or shower**	
8.1	Additional protection by RCD not exceeding 30 mA	
	• for low voltage circuits serving the location	✓
	• for low voltage circuits passing through Zone 1 and Zone 2 not serving the location	C3
8.2	Where used as a protective measure, requirements for SELV or PELV are met	✓
8.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	N/A
8.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	✓
8.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	✓
8.6	Suitability of equipment for external influences for installed location in terms of IP rating	✓
8.7	Suitability of equipmentfor installation in a particular zone	✓

Item	Description	Outcome*
9.0	**Other special installations or locations - Part 7s**	
9.1	List of all other special installations or locations, if any, present. (Record the results of any particular inspection and append separately).	N/A

SCHEDULE OF ITEMS INSPECTED PARTICULAR TO A LEISURE ACCOMMODATION VEHICLE OR A TRANSPORTABLE UNIT

Item	Description	Outcome*
10.0	**Means of connection**	
10.1	'Hook-up' connection arrangement (inlet, plug and connector)	
	• equipment complies with BS EN 60309-2	
	• acceptable condition	
10.2	Flexible 'hook-up' cable	
	• correct length and size (csa)	
	• acceptable type (to BS 7919) and condition	
10.3	Direct connection (to static vehicles)	N/A
	• acceptable type of wiring system and condition	
	• correct size (csa)	
10.4	Presence of required identification/labelling	
	• instructions for the safe use of the caravan/transportable unit installation/supply	
	• indication of voltage (stated on or adjacent) to all extra-low voltage (ELV) socket-outlets	
10.5	Plugs and socket-outlets non-interchangeable with those of LV installation	
10.6	All conductors adequately protected against mechanical damage	
10.7	All conductors adequately protected against mechanical stresses (e.g. vibration from vehicular motion)	

§ *Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection*

SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections: Page(s) No 4, 5

Additional pages, including data sheets for additional source(s): Page No(s)

Special installations or locations: Page No(s)

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

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

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

* ***All boxes must be completed.***

'✓' indicates **Acceptable condition**

'LIM' indicates a **Limitation**

'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**

Improvement recommended state **C3**

Further investigation required without delay state **FI** (to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets.
C1, C2 , C3 and FI coded items to be recorded in Page 2 of the report.

NICEIC APPROVED CONTRACTOR

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DPN7/ 0216502

SCHEDULES

Original (To the person ordering the work)

CIRCUIT DETAILS

TEST RESULTS

Circuit number	Circuit designation * 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.	Type of wiring (see code)	Reference method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Overcurrent protective devices Type	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	RCD Maximum Z_s permitted by BS 7671 (Ω)	Circuit impedances (Ω) Ring final circuits only (measured end to end) r_1 (Line)	r_n (Neutral)	r_2 (cpc)	All circuits (At least one column to be completed) $(R_1 + R_2)$	R_2	Insulation resistance Line/Line (MΩ)	Line/Neutral (MΩ)	Line/Earth (MΩ)	Neutral/Earth (MΩ)	Polarity (✓)	Maximum measured earth fault loop impedance, Z_s (Ω)	RCD operating times at $I_{\Delta n}$ (ms)	RCD operating times at 5 $I_{\Delta n}$ (if applicable) (ms)	RCD Test button operation (✓)
*																											
1	Socket up	A	A	6	2.5	1.5	0.4	3036	1	30	10	N/A	0.83	0.31	0.31	0.47	0.46		N/A	>2000	>2000	>2000	✓	0.56	N/A	N/A	
2	Socket Down	A	A	14	2.5	1.5	0.4	3036	1	30	10	N/A	0.83	0.13	0.12	0.29	0.25		N/A	>2000	>2000	>2000		0.35	N/A	N/A	
3	~~Down~~ Lights	A	A	18	1.5	1.0	0.4	3036	1	15	10	N/A	1.93	N/A	N/A	N/A	Lim		N/A	>2000	>2000	>2000		Lim	N/A	N/A	
4	Basement lights	A	A	3	1.5	1.0	0.4	3036	1	5	10	N/A	7.94	N/A	N/A	N/A	0.30		N/A	>2000	>2000	>2000	✓	0.40	N/A	N/A	
5	Auxilary Board																										
6	Kitchen Sockets	A	A	11	2.5	1.5	0.4	3036	1	30	10	N/A	0.83	0.41	0.41	0.65	0.25		N/A	>2000	>2000	>2000	✓	0.35	N/A	N/A	
7																											
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CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	0 (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic/ SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

Location of consumer unit: Under Stairs

Designation of consumer unit: Power / Lights

Prospective fault current at consumer unit: 2.8 kA

TEST INSTRUMENTS

Test instruments (serial numbers) used

Multi-function: 8276840

Insulation resistance:

Continuity:

Earth electrode resistance:

Earth fault loop impedance:

RCD: