



APPROVED CONTRACTOR

Contractor's Reference Number

This certificate is not valid if the serial number has been defaced or altered

DPN7/0381273

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 5ZK

TYPE OF INSTALLATION

Domestic Dwelling

Highway Installation

Leisure Accommodation Vehicle

Modular Dwelling

Transportable Unit

DETAILS OF THE CLIENT

Client: Mr Freddy North

Address: 11 Chaomans Letchworth

Postcode: SG6 3AU

EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

Fixed wiring within property

Agreed limitations (including the reasons), if any, on the inspection and testing:

20% Dismantle
80% Visual

Accessible equipment

Agreed with:

Operational limitations including the reasons (see page No.)

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.

PURPOSE OF THE REPORT

Purpose for which this report is required: Lettings

Date(s) on which inspection and testing were carried out: 12/4/2017

DETAILS OF THE INSTALLATION

Occupier: Tenant

Address: 278a High street Uxbridge

Postcode: UB8 1 LQ

Estimated age of the electrical installation: 35 years

Evidence of alterations or additions

If yes, estimated age: 5 years

Date of previous inspection: unknown

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

UNKNOWN

Records of installation available: No

Records held by: unknown

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Good condition

Summary of the condition of the installation continued on additional pages?

No

Yes

Specify page

Overall assessment of the installation:

SATISFACTORY / UNSATISFACTORY

* 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

Original (To the person ordering the work)



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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. N/A or The following observations and recommendations for action are made

Item No	Observation(s) include reference location as appropriate	Code †
1	For inspections carried out after 1 January 2016 - Presence of a consumer unit or similar switchgear made from combustible material (e.g. plastic) that is not inside a non-combustible enclosure and which is located under wooden staircase	C3

Additional Pages? No Yes Specify page

†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".

Immediate remedial action required for items:
Urgent remedial action required for items:
Further investigation required without delay for items:
Improvement recommended for items: 1

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~~

at the time the inspection was carried out, and that it should be further inspected as recommended within the time interval 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
 Name (CAPITALS) **ANDREW LOMAS**
 Position Electrician
 Date: 20/04/2017

REPORT REVIEWED AND CONFIRMED BY:

Signature
 Name (CAPITALS) **ANDREW LOMAS**
(Registered Qualified Supervisor for the Approved Contractor at J)
 Date: 20/04/2017

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.

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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"/>	1-phase (2 wire)	<input checked="" type="checkbox"/>	1-phase (3 wire)		Nominal Voltage(s): $U^{(1)}$	230	V	Nominal frequency, $f^{(1)}$	50	Hz	BS(EN)	LIM	Short-circuit capacity	LIM	kA
TN-C-S	<input type="checkbox"/>	3-phase (3 wire)	<input type="checkbox"/>	3-phase (4 wire)		$U_0^{(1)}$	N/A	V	External earth fault loop impedance, $Z_e^{(EM)}$	0.05	Ω	Type	LIM	Confirmation of supply polarity	<input checked="" type="checkbox"/>	
TT	<input type="checkbox"/>	Other			Single-phase	Prospective fault current, $I_p^{(2/3)}$	4.9	kA	3-phase	Prospective fault current, $I_p^{(2/3)}$	kA	Rated current	LIM	A		

Means of earthing		Details of installation earth electrode (where applicable)				Main protective bonding conductors and bonding of extraneous-conductive-parts		Water installation pipes		Oil installation pipes		Gas installation pipes		Main Switch/Switch-Fuse/Circuit-Breaker/RCD																	
Distributor's facility	<input checked="" type="checkbox"/>	Type (eg rod(s), tape etc)		Location		Continuity/connection verified	<input checked="" type="checkbox"/>	Conductor material	Copper	Conductor csa	16	mm ²	Structural steel	N/A	Other		Type BS(EN)	BS EN 60947-	Voltage rating	230	V	No of poles	2	Rated current, I_n	100	A	Supply conductors material	Copper	RCD operating current, $I_{\Delta n}^*$	30	mA
Installation earth electrode	<input type="checkbox"/>	Electrode resistance R_A	Ω	Method of measurement		Location (where not obvious)		Measured Z_e	0.05	Ω	Maximum demand (Load)	45	Number of smoke alarms	7		Supply conductors csa	16	mm ²	RCD operating time (at $I_{\Delta n}^*$)	23.5	ms	Rated time delay*		ms							

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

Hook-up connection				Means of earthing				Earthing and protective bonding conductors															
Flexible supply cable				System type: TT For static (fixed) vehicles installation earth electrode details: Type: (e.g. rods(s), Tapes(s)) Method of measurement Electrode resistance, R_A Location				System type: TN-S		System type: TN-C-S*		Earthing conductor (for static vehicles or transportable units)		Conductor Material		Conductor csa		mm ²		Connection/continuity verified		N/A	
Length	m	csa	mm ²					* Connection to a TN-C-S system requires supervision (see regulation 717.411.4)		Measured earth fault loop impedance, Z_e													
I_2	A	$(R_1 + R_2)_{c1}$	Ω																				

Supply voltage(s) and maximum load/demand		Nominal voltage(s)		Maximum permitted load		Amps	
	U_0		U				

TRANSPORTABLE UNIT DETAILS		Description	
Model name and year			

† 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.

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DETAILS OF NICEIC APPROVED CONTRACTOR

Trading title: Electrical Solutions GB
 Address: 83 Tibbs Hill Road
 Abbots Langley
 Hertfordshire

Postcode: WD5 0LJ



Enrolment number:
(Essential information)

D603813

Branch number:
(if applicable)

Email Address:

andrewf22utw@yahoo.co.uk

Telephone number:

07403310008

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Item	Description	Outcome*	Item	Description	Outcome*
1.0	Condition/adequacy of distributor's/supply intake equipment †		4.2	Security of fixing	✓	5.0	Distribution/final circuits	
1.1	Service cable	LIM	4.3	Condition of enclosure(s) in terms of IP rating	✓	5.1	Identification of conductors	✓
1.2	Service head	LIM	4.4	Condition of enclosure(s) in terms of fire rating	C3	5.2	Cables correctly supported throughout their length	✓
1.3	Distributor's earthing arrangement	LIM	4.5	Enclosure not damaged/deteriorated so as to impair safety	✓	5.3	Condition of insulation of live parts	✓
1.4	Meter tails - Distributor/Consumer	LIM	4.6	Presence of linked main switch	✓	5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	✓
1.5	Metering equipment	LIM	4.7	Operation of main switch (functional check)	✓	5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
1.6	Means of main isolation (where present)	N/A	4.8	Main switch capable of being secured in the OFF position	✓	5.6	Adequacy of protective devices; type and rated current for fault protection	✓
2.0	Presence of adequate arrangements for other sources (microgenerators etc)		4.9	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	✓	5.7	Presence and adequacy of circuit protective conductors	✓
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	4.10	Correct identification of circuits and protective devices	✓	5.8	Co-ordination between conductors and overload protective devices	✓
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A	4.11	Presence of RCD test notice at or near consumer unit	✓	5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	
2.3	Presence of alternative/additional supply warning notice(s)	N/A	4.12	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	✓	5.10	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	
3.0	Earthing and bonding arrangements		4.13	Presence of alternative or additional supply warning notice at or near consumer unit	✓		* installed in prescribed zones. Extent and limitations	✓
3.1	Presence and condition of distributor's earthing arrangement	✓	4.14	Presence of next inspection recommendation label	✓		* incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	✓
3.2	Presence and condition of earth electrode connection	N/A	4.15	Presence of other required labelling (please specify)	✓	5.11	Provision of additional protection by RCD not exceeding 30 mA	
3.3	Confirmation of adequate earthing conductor size	✓	4.16	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓		‡ for all socket-outlets of rating 20 A or less	✓
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓	4.17	Single-pole switching or protective devices in the line conductors only	✓		‡ for mobile equipment not exceeding a rating of 32A for use outdoors	✓
3.5	Confirmation of adequate main protective bonding conductor sizes	✓	4.18	Protection against mechanical damage where cables enter consumer unit	✓		‡ for cables installed in walls or partitions at a depth of less than 50 mm	✓
3.6	Accessibility and condition of main protective bonding conductor connections	✓	4.19	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✓		‡ for cables installed in walls / partitions containing metal parts regardless of depth	✓
3.7	Accessibility and condition of other protective bonding connections	✓	4.20	RCDs provided for fault protection - includes RCBOs	✓		‡ lighting of bus shelters, telephone kiosks, town plans and the like	✓
3.8	Provision of earthing and bonding labels at all appropriate locations	✓	4.21	RCDs provided for additional protection - includes RCBOs	✓	5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	
4.0	Consumer unit(s)		4.22	Confirmation of indication that SPD is functional	✓	5.13	Band II cables segregated/separated from Band I cables	✓
4.1	Adequacy of working space or access to consumer unit	✓	4.23	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓			

† 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 Outcome boxes must be completed

'N/A' indicates Not applicable

Further investigation required without delegate FI

Outcome

✓ indicates Acceptable condition

Unacceptable condition state C1 or C2

(to determine whether danger or potential danger exists)

Provide additional comment where appropriate on attached numbered sheets.

'LIM' indicates a limitation

Improvement recommended state C3

exists

C1, C2, C3 and FI coded items to be recorded in Page 2 of the report.

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SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
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	✓
	• 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	✓
7.0	Current-using equipment (Permanently connected)	
7.1	Condition of equipment in terms of IP rating	✓

Item	Description	Outcome*
7.2	Equipment does not constitute a fire hazard	✓
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	N/A
	• installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	N/A
	• no signs of overheating to surrounding building fabric	N/A
	• no signs of overheating to conductors/terminations	N/A
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	✓
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	✓
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 equipment for installation in a particular zone	✓
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	N/A
	• acceptable condition	N/A
10.2	Flexible 'hook-up' cable	
	• correct length and size (csa)	N/A
	• acceptable type (to BS 7919) and condition	N/A
10.3	Direct connection (to static vehicles)	
	• acceptable type of wiring system and condition	N/A
	• correct size (csa)	N/A
10.4	Presence of required identification/labelling	
	• instructions for the safe use of the caravan/transportable unit installation/supply	N/A
	• indication of voltage (stated on or adjacent) to all extra-low voltage (ELV) socket-outlets	N/A
10.5	Plugs and socket-outlets non-interchangeable with those of LV installation	N/A
10.6	All conductors adequately protected against mechanical damage	N/A
10.7	All conductors adequately protected against mechanical stresses (e.g. vibration from vehicular motion)	N/A

SCHEDULES AND ADDITIONAL PAGES

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

Additional pages, including data sheets for additional source(s):	Page No(s)	Schedule of Circuit Details for the Installation: Page No(s)	6
Special installations or locations:	Page No(s)	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 Outcome 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 delegate 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.

Original (To the person ordering the work)

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 below)	Reference Method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: csa			Overcurrent protective devices				RCD Maximum $I_{\Delta n}$ permitted by BS 7671	Circuit impedances (Ω)					Insulation resistance				Maximum measured earth fault loop impedance, Z_s	RCD operating times		Test button operation		
					Live (mm ²)	cpc (mm ²)	Max. disconnection time permitted by BS 7671 (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)		Operating current, $I_{\Delta n}$ (mA)	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line (M Ω)	Line/Neutral (M Ω)	Line/Earth (M Ω)		Neutral/Earth (M Ω)	Polarity		at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)
														R_1 (Line)	R_n (Neutral)	R_2 (cpc)	$R_1 + R_2$	R_2									
																		R_1	R_n	R_2	$R_1 + R_2$		R_2				
1 / L1	Cooker	A	100	1	6	2.5	0.4	60898 MCB	B	32	6	30	1.37				0.06			20	20	20	✓	0.10	23.5	19	✓
2 / L1	Sockets	A	100	10	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.34	0.34	0.67	0.17			20	20	20	✓	0.36	23.5	19	✓
3 / L1	Socket hall fire alarm and emergency lights	A	100	3	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.20	0.20		0.10			20	20	20	✓	0.20	23.5	19	✓
4 / L1	DB2	A	B	1	10	6	5	60898 MCB	B	40	6	30	1.09				0.04			20	20	20	✓	0.10	23.5	19	✓
5 / L1	Lights	A	100	6	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28				0.53			20	20	20	✓	0.97	23.5	19	✓
6 / L1	Lights bathroom and hall	A	100	3	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28				0.20			20	20	20	✓	0.38	23.5	19	✓
Location of consumer unit													under stairs Cupboard														
Designation of consumer unit													DB001...														
Prospective fault current at consumer unit													4.9 kA														

TEST INSTRUMENTS		Test instruments (serial numbers) used	
Multi-functional	2591046	Insulation resistance	2591046
Continuity	2591046	Earth electrode resistance	
Earth fault loop impedance	2591046	RCD	2591046

CODES FOR TYPE OF WIRING			
A	B	C	D
Thermoplastic insulated conductors	Thermoplastic metallic conductors	Thermoplastic metallic conductors	Thermoplastic metallic conductors
F	G	H	I
Thermoplastic SWA cables	Thermoplastic SWA cables	Mineral insulated cables	(Other - please state)