

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

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.

## A. DETAILS OF THE CLIENT

Client:

Address:

## B. PURPOSE OF THE REPORT

Purpose for which this report is required:

Date(s) on which inspection and testing were carried out:

## C. DETAILS OF THE INSTALLATION

Occupier:

Address:

Estimated age of the electrical installation:  years Evidence of alterations or additions: ☒ If yes, estimated age:  years

Date of previous inspection:  Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No:

Records of installation available:  Records held by:

## D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

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

Agreed with:

Operational limitations including the reasons (see page No. N/A )

The inspection has 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.

## E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Summary of the condition of the installation continued on additional pages? No ☒ Yes  Specify page

Overall assessment of the installation: **UNSATISFACTORY** (Delete as appropriate)

An 'Unsatisfactory' assessment indicates that dangerous and/or potentially dangerous conditions have been identified

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, an subject to the limitations at D:

There are no items adversely affecting electrical safety. **N/A** or The following observations and recommendations for are made ☒

Item No	Observations	Classification code †	Further investigation required (Y or ✓)
1	Absence of RCD protection for portable or mobile equipment that may reasonably be expected to be used outdoors	C2	
2	Absence of RCD protection for socket-outlets in a location containing a bath or shower, other than for SELV or shaver socket-outlets	C2	
3	Absence of supplementary bonding unless all extraneous-conductive-parts of the location are effectively connected to the protective equipotential bonding (main earthing terminal).	C2	
4	Absence of supplementary bonding where required, such as in a location containing a bath or shower	C2	
5	A ring final circuit having a discontinuous conductor	C2	
6	Unsatisfactory electrical connection, such as type, number and/or size of conductors unsuitable for the means of connection	C2	
7	Absence of earthing at a socket-outlet	C2	
8	Absence of a circuit protective conductor for a circuit, other than a lighting circuit, supplying Class I equipment	C2	
9	Absence of a notice warning that lighting circuits have no circuit protective conductor	C2	
11	Absence of RCD protection for a socket-outlet that is unlikely to supply portable or mobile equipment for use outdoors, does not serve a location containing a bath or shower, and the use of which is otherwise not considered by the inspector to result in potential danger. (Note: Code C2 would apply if the circuit supplied a socket-outlet in a location containing a bath or shower in accordance with Regulation 701.512.3)	C3	
12	Absence of "Safety Electrical Connection - Do Not Remove" notice	C3	
13	Absence of circuit identification details	C3	
14	Absence of circuit protective conductors in circuits having only Class II (or all- insulated) luminaires and switches3	C3	

Additional Pages? No ☐ Yes ☒ Specify page **8**

†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".**

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

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required for items:

Improvement recommended for items:

1, 2, 3, 4, 5, 6, 7, 8, 9, 17

11, 12, 13, 14, 15, 16

## G. 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 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), 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 (see D).

I/We further declare that in my/our judgement, the said installation was overall in

**UNSATISFACTORY**

condition (see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

*\*Delete as appropriate*

INSPECTION, TESTING AND ASSESSMENT BY:

Signature 

Name (CAPITALS)

Position **QS**

Date: **09/12/2015**

REPORT REVIEWED AND CONFIRMED BY:

Signature 

*(Registered Qualified Supervisor for the Approved Contractor at J)*

Date: **12/12/2015**

## H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspection: Page(s) No 4,5,6

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

Schedule of Test Results for the Installation: Page No(s) **7**

Schedule of Circuit Details for the Installation: Page No(s) **7**

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.

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than \_\_\_\_\_

## 10 Years

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

provided that any items at F 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 require further investigation 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 (see F)

## J. DETAILS OF NICEIC APPROVED CONTRACTOR

Address:

Telephone number:

Email Address:



Enrolment number:

(Essential information)

Branch number:

Branch number  
(if applicable)

N/A

Postcode: HG1 5NN

## K. 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	✓	a.c.	✓			Other (please state)	Nominal Voltage(s): U <sub>0</sub> <sup>(1)</sup>	230	V	U <sub>0</sub> <sup>(1)</sup>	230	V	BS(EN)	BS 1361 Fuse HBC Domestic Type		
TN-C-S	N/A	1-phase (2' wire)	✓	1-phase (3' wire)	N/A	N/A	Nominal frequency, f <sup>(1)</sup>	50	Hz	Number of sources	N/A	Type	2			
TT	N/A	2-phase (3' wire)	N/A				Prospective fault current, I <sub>pf</sub> <sup>(2)(3)</sup>	1.66	kA	Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one source, record the higher or highest value (4) by measurement						
		3-phase (3' wire)	N/A	3-phase (4' wire)	N/A		External earth fault loop impedance, Z <sub>e</sub> <sup>(2)(3)</sup>	0.14	Ω	Rated current				60	A	
											Short-circuit capacity				33	kA
											Confirmation of supply polarity				✓	(✓)

## L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing					Details of Installation Earth Electrode (where applicable)							
Distributor's facility:	<input checked="" type="checkbox"/>	Type: (eg rod(s),tape etc)	N/A		Location:	N/A						
Installation earth electrode:	N/A	Electrode resistance, R <sub>A</sub> :	N/A	(Ω)	Method of measurement:	N/A						
Main Switch or Circuit-Breaker					Earthing and protective bonding conductors							
Type: BS(EN)	BS EN 60947-	Voltage rating	230	V	Earthing conductor	Main protective bonding conductors		Bonding of extraneous-conductive-parts (✓)				
No of Poles	2	Rated current, I <sub>n</sub>	100	A	Conductor material	Copper	Conductor material	Copper	Water service	<input checked="" type="checkbox"/>	Gas Service	✕
Primary supply conductors material	Copper	RCD operating current, I <sub>Δn</sub> *	N/A	mA	Conductor csa	10	Conductor csa	6	Oil service	N/A	Structural steel	N/A
Primary supply conductors csa	16	Rated time delay	N/A	ms	Connection/continuity verified	<input checked="" type="checkbox"/>	(✓) mm <sup>2</sup>	Connection/continuity verified	<input checked="" type="checkbox"/>	(✓)	Other incoming service(s)	N/A
		RCD operating time (at I <sub>Δn</sub> )*	N/A	ms					Lightning protection	N/A		
									Specify	N/A		
* (applicable only where an RCD is suitable and is used as a main circuit-breaker)												

\* (applicable only where an RCD is suitable and is used as a main circuit-breaker)

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## SCHEDULE OF INSPECTIONS

Item	Description	Outcome *	Location reference
<b>1.0 Condition/adequacy of distributor's/supply intake equipment</b>			
1.1	Service cable	✓	
1.2	Service cut-out/fuse(s)	✓	
1.3	Meter tails - distributor	✓	
1.4	Meter tails - consumer	✓	
1.5	Metering equipment	✓	
1.6	Means of main isolation (where present)	✓	
<b>2.0</b>	<b>Presence of adequate arrangements for other sources (microgenerators etc)</b>	N/A	
<b>3.0 Earthing and bonding arrangements</b>			
3.1	Presence and condition of distributor's earthing arrangement	C2	
3.2	Presence and condition of earth electrode connection	C2	
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	Condition and accessibility of main protective bonding conductor connections	C2	
3.7	Provision of earthing and bonding labels at all appropriate locations	✓	

Item	Description	Outcome *	Location reference
<b>4.0 Consumer unit(s)</b>			
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	✓	
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	Manual operation of circuit-breakers and RCDs to prove disconnection	✓	
4.9	Correct identification of circuits and protective devices	C2	
4.10	Presence of RCD test notice at or near consumer unit	N/A	
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	N/A	
4.12	Presence of alternative supply warning notice at or near consumer unit	N/A	
4.13	Presence of replacement next inspection recommendation label	✓	
4.14	Presence of other required labelling (please specify)	C2	No CPC For Lighting
4.15	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	C2	
4.16	Single-pole protective devices in the line conductor only	✓	

\* 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 state **F/I**  
(to determine whether danger or potential danger exists)

**Outcome**

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

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## SCHEDULE OF INSPECTIONS

Item	Description	Outcome *	Location reference
4.17	Protection against mechanical damage where cables enter metallic consumer unit	N/A	
4.18	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	N/A	
4.19	RCDs provided for fault protection – includes RCBOs	C2	
4.20	RCDs provided for additional protection – includes RCBOs	C3	
<b>5.0 Final circuits</b>			
5.1	Identification of conductors	✓	
5.2	Cables correctly supported throughout their run	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	C2	
5.6	Adequacy of protective devices; type and rated current for fault protection	C2	
5.7	Presence and adequacy of circuit protective conductors	C2	
5.8	Co-ordination between conductors and overload protective devices	C2	
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	✓	
5.10	Concealed cables installed in prescribed zones (see extent and limitations)	LIM	

Item	Description	Outcome *	Location reference
5.11	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring containment system, or otherwise protected against mechanical damage from nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)	C2	
5.12	Provision of additional protection by RCD not exceeding 30 mA	C2	
	* used to supply mobile equipment not exceeding 32 A rating for use outdoors	C2	
	* for all socket-outlets not exceeding 20 A rating unless exempt	C2	
	* for cables concealed in walls or partitions	C3	
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects	C2	
5.14	Band II cables segregated/separated from Band I cables	LIM	
5.15	Cables segregated/separated from communications cabling	LIM	
5.16	Cables segregated/separated from non-electrical services	LIM	
5.17	Termination of cables at enclosures (extent of sampling indicated in Section D 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.)	✓	

\* 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** state **F/I**  
(to determine whether danger or potential danger exists)

**Outcome**

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

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## SCHEDULE OF INSPECTIONS

Item	Description	Outcome *	Location reference
5.18	Condition of accessories including socket-outlets, switches and joint boxes	✓	
5.19	Suitability of accessories for external influences	✓	
<b>6.0 Isolation and switching (isolation, switching off for mechanical maintenance, emergency switching/stopping and functional switching)</b>			
<b>6.1 In General</b>			
	* presence and condition of appropriate devices	✓	
	* correct operation verified	✓	
<b>6.2 For isolation and switching for mechanical maintenance only</b>			
	* capable of being secured in the OFF position where appropriate	✓	
	* acceptable location – state if local or remote from equipment being controlled where appropriate	N/A	
	* clearly identified by position and/or durable marking(s)	N/A	
<b>6.3 For isolation only</b>			
	* warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	N/A	
<b>6.4 For emergency switching/stopping only</b>			
	* readily accessible for operation where danger might occur	N/A	
<b>7.0 Current-using equipment (Permanently connected)</b>			
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	✓	

Item	Description	Outcome *	Location reference
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)	✓	
<b>7.7 Recessed luminaires (downlighters)</b>			
	* 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	✓	
<b>8.0 Location(s) containing a bath or shower</b>			
8.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	C2	
8.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A	
8.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A	
8.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	C2	
8.5	Low voltage (e.g. 230 volts) socket outlets sited at least 3 m from zone 1	N/A	
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	✓	
8.8	Suitability of current-using equipment for a particular position within the location	✓	
<b>9.0 Other special installations or locations - Part 7s</b>			
9.1	List all other special installations or locations present, if any. Record the results of particular inspection applied separately	N/A	

\* 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 state F/I  
(to determine whether danger or potential danger exists)

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

Circuit Details														TEST RESULTS															
Circuit number and phase	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		Max. disconnection time permitted by BS 7671	Overcurrent protective devices				RCD	Maximum Z <sub>s</sub> permitted by BS 7671	Circuit impedances (Ω)						Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z <sub>s</sub>  * See note below	RCD operating times		Test button operation	
					Live	cpc		BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)			Operating current, I <sub>Δn</sub> (mA)	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)	at I <sub>Δn</sub> (ms)		at 5I <sub>Δn</sub> (if applicable) (ms)
															r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>										
1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A			
2	SOCKETS UPSTAIRS	A	101	6	2.5	1.5	0.4	60898 MCB	B	15	0.2	N/A	3.067	0.05	0.06	0.22	0.46	N/A	N/A	> 200	> 200	> 200	✓	0.44	N/A	N/A			
3	RADIAL SOCKET	A	101	1	2.5	1.5	0.4	60898 MCB	B	6	0.2	N/A	7.667	N/A	N/A	N/A	0.16	N/A	N/A	> 200	> 200	> 200	✓	0.21	N/A	N/A			
4	LIGHTS UPSTAIRS + LOUNGE	A	103	15	1.0	1.0	0.4	60898 MCB	B	6	0.2	N/A	7.667	N/A	N/A	N/A	X	X	N/A	X	X	X		X	N/A	N/A			
5	LIGHTS DOWNSTAIRS	A	103	4	1.0	1.0	0.4	60898 MCB	B	6	0.2	N/A	7.667	N/A	N/A	N/A	N/A	0.34	N/A	> 200	> 200	> 200		0.67	N/A	N/A			
6	SPARE	A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A			
7	SOCKETS DOWNSTAIRS	A	101	10	2.5	1.5	0.4	60898 MCB	B	32	0.2	N/A	1.438	0.28	0.29	X	X	N/A	N/A	X	X	X		X	N/A	N/A			
8	COOKER	A	101	1	6.0	2.5	0.4	60898 MCB	B	32	0.2	N/A	1.438	N/A	N/A	N/A	N/A	0.29	N/A	> 200	> 200	> 200		0.28	N/A	N/A			

TEST INSTRUMENTS											
Multi-functional	15089103	Insulation resistance	N/A	Continuity	N/A	Earth electrode resistance	N/A	Earth fault current impedance	N/A	RCD	N/A

CODES FOR TYPE OF WIRING							
A	B	C	D	E	F	G	H
Thermoplastic insulated cables	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in non-metallic trunking	Thermoplastic cables in metal trunking	Thermoplastic cables in non-metallic trunking/gatecable trunking	Thermoplastic SWA cables	Thermosetting SWA cables	Mineral-insulated cables
Heated cables							N/A

## F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, an subject to the limitations at D:

There are no items adversely affecting electrical safety.

N/A

or

The following observations and recommendations for are made



Item No		Classification code †	Further investigation required (Y or ✓)
15	Absence of RCD protection for circuits of a location containing a bath or shower where satisfactory supplementary bonding is present	C3	
16	Absence of RCD protection for cables installed at a depth of less than 50 mm from a surface of a wall or partition where the cables do not incorporate an earthed metallic covering, are not enclosed in earthed metalwork, or are not mechanically protected against penetration by nails and the like.	C3	
17	Fire risk from lamps exceeding the maximum rated wattage for the luminaires, or placed too close to combustible materials	C2	

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:

**"Danger Present"**. Risk of injury. Immediate remedial action required.

**Code C2** **"Potentially dangerous"**. Urgent remedial action required.

**Code C3** **"Improvement recommended"**.

Please see the notes for recipient for guidance regarding the Classification codes.

Immediate remedial action required for items:

Urgent remedial action required for items:

1, 2, 3, 4, 5, 6, 7, 8, 9, 17

Further investigation required for items:

Improvement recommended for items:

11, 12, 13, 14, 15, 16



## DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

### ADDITIONAL NOTES

#### Faults Found

1. Circuit 2 has under size fuse rating for ring main circuit
2. No RCD on Fuse Board
3. No RCD protection for socket outlets up to and including 20Amps
4. No RCD Protection for Cable less then 50mm depth in the Wall
5. No Main Gas Bonding
6. Circuit 3 has a 6Amp Rated fuse for a radial socket below the fuse board
7. No Continues Earth for the Upstairs lights and living Room lights
8. 10 Down Light without Fire Hoods
9. No Fan Isolation Switch for Bathroom
10. Class 1 Metal Fitting have No Earth
11. No End to End CPC on Downstairs Sockets
12. No Supplementary Bonding on Pipes