

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

## A. DETAILS OF THE CLIENT

Client:

MR D CLOUGH

Address:

45 ALEXANDER RD  
STAFFORD

Postcode: ST17 4DB

## B. PURPOSE OF THE REPORT

Purpose for which this report is required:

ELECTRICAL SAFETY IN HMO, STODAS7 ALLODATIONS

Dates on which inspection and testing were carried out:

8/9/13

## C. DETAILS OF THE INSTALLATION

Occupier:

N/A

Address:

45 ALEXANDER RD  
STAFFORD

Postcode: ST17 4DB

Estimated age of the electrical installation:

5 years

Evidence of alterations or additions:

NO

If yes, estimated age: N/A years

Date of previous inspection:

21/8/12

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

—

Records of installation available:

YES

Records held by:

MR CLOUGH

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

Extent of the electrical installation covered by this report:

Full ELECTRICAL

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

NONE

Agreed with:

Operational limitations including the reasons (see page No. )

NONE

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.

## 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 contained on separate paper? No  Yes  Specify page No(s):

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

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

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## F OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

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

There are no items adversely affecting electrical safety  or  The following observations and recommendations for action are made:

Item No. **1** Observations

Classification code **1** Further investigation required (Y or N)


Additional page(s)? No Yes Specify page No(s):

† Data 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:

## 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 **SATISFACTORY / UNSATISFACTORY** condition (see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see H).

INSPECTION, TESTING AND ASSESSMENT BY: *(Date as appropriate)*

Signature: 

Name: **A. SADAVA**

Position: **Qualified Supervisor**

Date: **15/9/13**

REPORT REVIEWED AND COMPILERS BY†

Signature: 

Name: **A. SADAVA**

Date: **15/9/13**

## H SCHEDULES AND ADDITIONAL PAGES

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

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

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

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

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

† The completed report should preferably be checked by another competent person to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results and with the observations and recommendations for action (if any) made in the report. This report is based on the model forms shown in Appendix 3 of BS 7671. Published by Carisure LLP © Copyright Carisure LLP (May 2013)

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

## 1. NEXT INSPECTION

We recommend that this installation is further inspected and tested after an interval of not more than:

**1 Year**

(Enter interval in terms of years or months, 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 F1).

## 2. DETAILS OF THE ELECTRICAL CONTRACTOR

Trading title: **SMILE ELECTRICAL SOLUTIONS LIMITED**

Address: **34 Fern Drive**

**STAFFORD STAFFS**

Telephone number: **01785 503501**

Email address: **—**

Postcode: **ST16 1DS**

## 3. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type(s)	Number and type of live conductors	Other (please state)	Nature of supply parameters	Characteristics of primary supply overcurrent protective device(s)
TN-S <input checked="" type="checkbox"/> TN-C-S <input type="checkbox"/> TT <input type="checkbox"/>	a.c. 1-phase (2-wire) <input checked="" type="checkbox"/> 2-phase (3-wire) <input type="checkbox"/> 3-phase (3-wire) <input type="checkbox"/>		Nominal voltage, U <sub>n</sub> : <b>230 V</b> Nominal frequency, f <sub>n</sub> : <b>50 Hz</b> Prospective fault current, I <sub>pf max</sub> : <b>1.5 kA</b> External earth fault loop impedance, Z <sub>e max</sub> : <b>0.16 Ω</b>	BS EN <b>1361</b> Type <b>2</b> Rated current <b>100 A</b> Short-circuit capacity <b>33 kA</b> Confirmation of supply polarity <input checked="" type="checkbox"/>
			Note: (1) by enquiry (2) by enquiry or by measurement (3) where more than one source, provide the higher or highest value (4) by measurement	

## 4. PARTICULARS OF INSTALLATION AT THE ORIGIN

Details of installation earth electrode (where applicable)

Means of earthing facility:  Type: **—** (e.g. radial, tapes etc)

Electrode resistance, R<sub>e</sub>: **—** Ω

Location: **—** Method of measurement: **—**

Earthing and protective bonding conductors

Main switch or circuit-breaker

Type BS EN **60947** Voltage rating **230 V**

No. of poles **2** Rated current I<sub>n</sub> **100 A**

Primary supply conductors (material) **COPPER** RCD operating current I<sub>Δn</sub> **N/A**

Primary supply conductors (cross-sectional) **25 mm<sup>2</sup>** Rated time delay **N/A**

RCD operating time (at I<sub>Δn</sub>) **N/A** ms

Earthing conductor

Conductor material **COPPER**

Conductor cross-section **16 mm<sup>2</sup>**

Conductor/cable verified

Main protective bonding conductors

Conductor material **COPPER**

Conductor cross-section **10 mm<sup>2</sup>**

Conductor/cable verified

Bonding of extraneous-conductive parts

Water service  Gas service  Structural steel  Other incoming services

\* Applicable only where an RCD is suitable and is used as a residual device

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

## SCHEDULE OF INSPECTIONS

Item Description	Outcome*	Location reference	Item Description	Outcome*	Location reference
1.0 Condition/adequacy of distributor/supply intake equipment			4.0 Consumer unit(s)		
1.1 Service cable	✓		4.1 Adequacy of working space or access to consumer unit	✓	
1.2 Service cut-out/fuse(s)	✓		4.2 Security of fixing	✓	
1.3 Meter tails - distributor	✓		4.3 Condition of enclosure(s) in terms of IP rating	✓	
1.4 Meter tails - consumer	✓		4.4 Condition of enclosure(s) in terms of fire rating	✓	
1.5 Metering equipment	✓		4.5 Enclosure not damaged/deteriorated so as to impair safety	✓	
1.6 Means of main isolation (where present)	✓		4.6 Presence of linked main switch	✓	
2.0 Presence of adequate arrangements for other sources (microgenerators etc)	N/A		4.7 Operation of main switch (functional check)	✓	
3.0 Earthing and bonding arrangements			4.8 Manual operation of circuit-breakers and RCDs to prove disconnection	✓	
3.1 Presence and condition of distributor's earthing arrangement	✓		4.9 Correct identification of circuits and protective devices	✓	
3.2 Presence and condition of earth electrode connection	N/A		4.10 Presence of RCD test notice at or near consumer unit	✓	
3.3 Confirmation of adequate earthing conductor size	✓		4.11 Presence of non-standard (imixed) cable colour warning notice at or near consumer unit	N/A	
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓		4.12 Presence of alternative supply warning notice at or near consumer unit	N/A	
3.5 Confirmation of adequate main protective bonding conductor sizes	✓		4.13 Presence of replacement next inspection recommendation label	✓	
3.6 Condition and accessibility of main protective bonding conductor connections	✓		4.14 Presence of other required labelling (please specify)	N/A	
3.7 Provision of earthing and bonding labels at all appropriate locations	✓		4.15 Examination of protective devices (and bases): correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓	
			4.16 Single-pole protective devices in the line conductor only	✓	

\* All boxes must be completed. N/A indicates Not applicable. Further investigation required state (V) (to determine whether danger or improvement recommended state (C) (C1, C2 and C3 coded items to be recorded in section F of the report). This report is based on the model forms shown in Appendix 8 of SS 7671. Published by Cersure LLP. © Copyright Cersure LLP (May 2019)

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

## SCHEDULE OF INSPECTIONS

Item Description	Outcome*	Location reference	Item Description	Outcome*	Location reference
4.17 Protection against mechanical damage where cables enter metallic consumer unit	N/A		5.11 Concealed cables incorporating 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)	N/A	
4.18 Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	N/A		5.12 Provision of additional protection by RCD not exceeding 30 mA	✓	
4.19 RCDs provided for fault protection – includes RCBOs	✓		<ul style="list-style-type: none"> <li>used to supply mobile equipment not exceeding 32 A rating for use outdoors</li> <li>for all socket-outlets not exceeding 20 A rating unless exempt</li> <li>for cables concealed in walls or partitions</li> </ul>	✓	
4.20 RCDs provided for additional protection – includes RCBOs	✓		5.13 Provision of fire barriers, sealing arrangements and protection against thermal effects	✓	
5.0 Final circuits	✓		5.14 Band II cables segregated/separated from Band I cables	✓	
5.1 Identification of conductors	✓		5.15 Cables segregated/separated from communications cabling	✓	
5.2 Cables correctly supported throughout their run	✓		5.16 Cables segregated/separated from non-electrical services	✓	
5.3 Condition of insulation of live parts	✓		5.17 Termination of cables at enclosures (extent of sampling indicated in Section D of the report)	✓	
5.4 Non-sheathed cables protected by enclosures in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	✓		<ul style="list-style-type: none"> <li>Connections soundly made and under no undue strain</li> <li>No basic insulation of a conductor visible outside enclosures</li> <li>Connections of live conductors adequately enclosed</li> <li>Adequately connected at point of entry to enclosure (glands, bushes etc.)</li> </ul>	✓	
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	✓				
5.7 Presence and adequacy of circuit protective conductors	✓				
5.8 Co-ordination between conductors and overvoltage protective devices	✓				
5.9 Wiring systems/ appropriate for the type and nature of the installation and external influences	✓				
5.10 Concealed cables installed in prescribed zones (see extent and limitations)	✓				

\* All boxes must be completed. ✓ indicates acceptable condition. N/A indicates Not applicable. U/R indicates a Limitation. Improvement recommended state C3 indicates a Limitation. Further investigation required state F1 to determine whether danger or potential danger exists. Outcome Provide additional comment where appropriate on affected numbered items. C1, C2 and C3 coded items to be recorded in section F of the report.

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DPMS

# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

## SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference	Item	Description	Outcome*	Location reference
5.18	Condition of accessories including socket-outlets, switches and joint boxes	✓		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)	✓	
5.19	Suitability of accessories for external influences	✓		7.7	Recessed luminaires (downlighters) + correct type or lamps fitted + installed to minimise build-up of heat by use of fire rated fittings, insulation displacement box or similar + no signs of overheating to surrounding building fabric + no signs of overheating to conductors/terminations	✓	
6.0	Isolation and switching (isolator, switching off for mechanical maintenance, emergency switching/stopping and functional switching)			8.0	Location(s) containing a bath or shower		
6.1	In general			8.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	✓	
	• presence and condition of appropriate devices	✓		8.2	Where used as a protective measure, requirements for SELV or PELV are met	✓	
	• correct operation verified	✓		8.3	Shaver sockets comply with BS EN 61558-2-5 or BS 5925	✓	
6.2	For isolation and switching for mechanical maintenance only			8.4	Presence of supplementary bonding conductors unless not required by BS 7571: 2008	N/A	
	• capable of being secured in the OFF position where appropriate	✓		8.5	Low voltage (e.g. 250 volts) socket-outlets sited at least 3 m from zone 1	✓	
	• acceptable location - state if local or remote from equipment being controlled where appropriate	✓		8.6	Suitability of equipment for external influences for installed location in terms of IP rating	✓	
	• clearly identified by position and/or durable markings)	✓		8.7	Suitability of equipment for installation in a particular zone	✓	
6.3	For isolation only			8.8	Suitability of current-using equipment for a particular position within the location	✓	
	• warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	✓		9.0	Other special installations or localities - Part 7's		
6.4	For emergency switching/stopping only			9.1	List all other special installations or localities present, if any. Record the results of particular inspection applied separately	N/A	
	• readily accessible for operation where danger might occur	✓					
7.0	Current-carrying equipment (Permanently connected)						
7.1	Condition of equipment in terms of IP rating	✓					
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	✓					

\* All houses must be completed. W/N indicates Not applicable. Further investigation required (see F1)  
 ✓ indicates Acceptable condition. Unacceptable condition (see C1 or C2) (to determine whether danger or potential danger exists)  
 N/A indicates a limitation. Improvement recommended (see C3)  
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# SCHEDULES

CIRCUIT DETAILS											TEST RESULTS																		
Circuit number	Circuit description										Test results (to BS EN 60684-10)																		
	* To be completed only where the consumer unit is removed from the origin of the installation. Record details of the circuit supplying this consumer unit in the load box.										Ring final circuits only (measured end to end)					All circuits (to live end only & at source)				Insulation resistance		RCD							
	Type of wiring (see code)	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors	Number of conductors in cable	Number of live conductors	Number of earth conductors							
1	WATER HEATER	A	C	1	2.5	1.5	S	60898	B	16	6	-	2.30	-	-	-	0.27	-	-	>500	>500	>500	✓	0.43	-	-	-		
2	SMOKE ALARMS	A	C	7	1.5	1.5	S	60898	B	6	6	-	6.13	-	-	-	0.85	-	-	>500	>500	>500	✓	1.01	-	-	-		
3	RCD 1	-	-	-	-	-	-	61008	-	63	-	30	-	-	-	-	-	-	-	-	-	-	✓	-	14.6	13.6	✓		
4	COOKER	A	C	1	10	4	S	60898	B	32	6	-	1.15	-	-	-	0.21	-	-	>500	>500	>500	✓	0.37	↓	↓	↓		
5	KITCHEN SOCKETS	A	C	5	2.5	1.5	.4	60898	B	32	6	-	1.15	0.58	0.59	0.43	0.26	-	-	>500	>500	>500	✓	0.42	↓	↓	↓		
6	UPSTAIRS SOCKETS	A	C	13	2.5	1.5	.4	60898	B	32	6	-	1.15	0.68	0.68	0.92	0.39	-	-	>500	>500	>500	✓	0.76	↓	↓	↓		
7	DOWNSTAIRS LIGHTING	A	C	19	1.5	1.5	S	60898	B	6	6	↓	6.13	-	-	-	0.61	-	-	>500	>500	>500	✓	0.77	↓	↓	↓		
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	RCD 2	-	-	-	-	-	-	61008	-	63	-	30	-	-	-	-	-	-	-	-	-	-	✓	-	15.0	13.8	✓		
10	SHOWER	A	C	1	10	4	.4	60898	B	32	6	↓	1.15	-	-	-	0.23	-	-	>500	>500	>500	✓	0.39	↓	↓	↓		
11	DOWNSTAIRS SOCKETS	A	C	12	2.5	1.5	.4	60898	B	32	6	↓	1.15	0.49	0.46	1.14	0.52	-	-	>500	>500	>500	✓	0.68	↓	↓	↓		
12	UPSTAIRS LIGHTING	A	C	8	1.5	1.5	S	60898	B	6	6	↓	6.13	-	-	-	0.73	-	-	>500	>500	>500	✓	0.89	↓	↓	↓		
13	EMERGENCY LIGHTING	A	C	1	1.5	1.5	S	60898	B	6	6	↓	6.13	-	-	-	0.66	-	-	>500	>500	>500	✓	0.82	↓	↓	↓		
14	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	_____	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18																													
19																													
20																													

Location of consumer unit: **EXTENGE HALL** Designation of consumer unit: **DB 1** Prospective fault current at consumer unit: **1.5** **kA**

TEST INSTRUMENTS		Test instruments (serial numbers) used									
Multi-function	1132054	Insulation resistance	MFT	Continuity	MFT	Earth electrode resistance	N/A	Earth fault loop impedance	MFT	RCD	MFT

Original (To this person only using the valid) D (Date of publication) M (Month) Y (Year) C (Circuit) P (Phase) W (Wiring) R (Resistance) I (Impedance) S (Safety) T (Test) U (Unit) V (Voltage) X (X-axis) Y (Y-axis) Z (Z-axis)