

N/A

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

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: Mr stephen Chidgey

Address: The old barn
Tregonetha
St Columb
Cornwall

Postcode: TR9 6EL

B. PURPOSE OF THE REPORT

Purpose for which this report is required: The purpose of the report is for the holiday letting company due to the installation being 5 years old

Date(s) on which inspection and testing were carried out: 8/8/2018

C. DETAILS OF THE INSTALLATION

Occupier: Mr Stephen Chidgey

Address: The old barn
Tregonetha
St Columb

Postcode: TR9 6EL

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: 17/12/12 Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: N/A

Records of installation available: No Records held by: N/A

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

Extent of the electrical installation covered by this report:

The extent of the report is consumer unit and wiring accessories

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

Cables in building fabric and loft spaces

Agreed with: N/A

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

N/A

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.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

The installation is in very 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

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

I. 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, 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 F1 (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 (see F).

J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title: Davey electrical services ltd

Address: Unit4a
Bess park road
Trenant indst estate
wadebridge
cornwall

Postcode: PL276HB

Telephone number: 01208815323

Email Address: daveyelectrical@btconnect.com

Enrolment number: 028120

(Essential information)
Branch number: N/A



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	<input checked="" type="checkbox"/>	a.c.	<input checked="" type="checkbox"/>	Other (please state) N/A		Nominal Voltage(s): $U^{(1)}$	400 V	$U_0^{(1)}$	230 V	BS(EN)	BS 88 Fuse HRC gG(General)
TN-C-S	<input type="checkbox"/>	1-phase (2 wire)	<input checked="" type="checkbox"/>	1-phase (3 wire)	<input type="checkbox"/>	Nominal frequency, $f^{(1)}$	50 Hz	Number of sources	1	Type	gG
TT	<input type="checkbox"/>	2-phase (3 wire)	<input type="checkbox"/>	3-phase (4 wire)	<input type="checkbox"/>	Prospective fault current, $I_{pr}^{(2)(3)}$	0.8 kA	External earth fault loop impedance, $Z_g^{(3)(4)}$	0.39 Ω	Rated current	80 A
						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				Short-circuit capacity	33 kA
										Confirmation of supply polarity	<input checked="" type="checkbox"/> <input type="checkbox"/>

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:	<input type="checkbox"/>	Electrode resistance, R_A :	N/A (Ω)	Method of measurement:	N/A	

Main Switch/Switch-Fuse/Circuit-Breaker/RCD				Earthing and protective bonding conductors		Bonding of extraneous-conductive-parts (✓)	
Type: BS(EN)	BS EN 60947-	Voltage rating	230 V	Earthing conductor material	Copper	Water service	<input checked="" type="checkbox"/>
No of Poles	2	Rated current, I_n	100 A	Earthing conductor csa	10 mm ²	Gas Service	<input type="checkbox"/>
Primary supply conductors (material)	Copper	RCD operating current, $I_{\Delta n}^*$	N/A mA	Connection/continuity verified	<input checked="" type="checkbox"/> <input type="checkbox"/>	Oil service	<input type="checkbox"/>
Primary supply conductors (csa)	25 mm ²	Rated time delay*	N/A ms			Lightning protection	<input type="checkbox"/>
		RCD operating time (at $I_{\Delta n}^*$)	N/A ms			Other (Specify)	N/A

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

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference
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	✓	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	✓	
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*	Location reference
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	✓	
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	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	✓	
4.9	Correct identification of circuits and protective devices	✓	
4.10	Presence of RCD test notice at or near consumer unit	✓	
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	✓	
4.12	Presence of alternative or additional supply warning notice at or near consumer unit	✓	
4.13	Presence of replacement next inspection recommendation label	✓	
4.14	Presence of other required labelling (please specify)	✓	
4.15	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓	
4.16	Single-pole switching or protective devices in the line conductors only	✓	
4.17	Protection against mechanical damage where cables enter consumer unit	✓	
4.18	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✓	
4.19	RCDs provided for fault protection - includes RCBOs	✓	

* All Data to be recorded on distributor's equipment is not applicable, it is recommended that the person doing the report inform the appropriate authority, C1 or C2
 † indicates a Limitation
 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 Section F of the report.

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference
4.20	RCDs provided for additional protection - includes RCBOs	✓	
4.21	Confirmation of indication that SPD is functional	✓	
4.22	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	✓	
5.2	Cables correctly supported throughout their length	✓	
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	✓	
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 (see Section D. Extent and limitations)	✓	
	• incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the	✓	

Item	Description	Outcome*	Location reference
5.11	Provision of additional protection by RCD not exceeding 30 mA		
	• ⚡ for all socket-outlets of rating 20 A or less	✓	
	• ⚡ for mobile equipment not exceeding a rating of 32A for use outdoors	✓	
	• ⚡ for cables installed in walls or partitions at a depth of less than 50 mm	✓	
	• ⚡ for cables installed in walls / partitions containing metal parts regardless of depth	✓	
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 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.)	✓	
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

*Note: The installation was designed prior to BS 7671:2008 and may not have been provided with RCDs for additional protection

Further investigation required without delay state F1 (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 Section F of the report.	
--	---	--

* 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

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference
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	✓	
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	✓	
	• 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	✓	

Item	Description	Outcome*	Location reference
	• 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	✓	
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 equipment for installation in a particular zone	✓	

9.0 Other special installations or locations - Part 7s

9.1	List all other special installations or locations present, if any. (Record the results of particular inspection applied separately).	✓	
-----	--	---	--

* 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 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 Section F of the report.

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	Circuit impedances (Ω)					Insulation resistance				Maximum measured earth fault loop impedance, Z _s (Ω)	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 _{Δn} (mA)		Maximum Z _s permitted by BS 7671 (Ω)	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)	Polarity (✓)		at I _{Δn} (ms)	at 5I _{Δn} (if applicable) (ms)
															r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂									
*	Contric	N/A	N/A	N/A	25	25	N/A	N/A	N/A	100	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	✓	0.39	N/A	N/A	
1	Utility sockets	A	101	7	2.5	1.0	0.4	60898 MCB	B	32	6	30	1.37	0.09	0.10	0.08	0.11	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.50	44.2	27.2	✓
2	Kitchen sockets	A	101	14	2.5	1.0	0.4	60898 MCB	B	32	6	30	1.37	0.10	0.09	0.11	0.13	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.52	44.2	27.2	✓
3	Cooker	A	101	2	2.5	1.0	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	0.12	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.51	44.2	27.2	✓
4	Ground source pump	A	101	2	2.5	1.0	0.4	60898 MCB	C	16	6	30	1.37	N/A	N/A	N/A	0.09	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.48	44.2	27.2	✓
5	First floor lighting	A	101	14	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	0.50	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.89	44.2	27.2	✓
6	Spare	N/A	N/A	N/A	N/A	N/A	0.4	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	Ground floor Sockets	A	101	16	2.5	1.0	0.4	60898 MCB	B	32	6	30	1.37	0.41	0.42	0.61	0.34	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.73	42.2	26.2	✓
8	First floor sockets	A	101	12	2.5	1.0	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	0.49	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.88	42.2	26.2	✓
9	Towel Rails	A	101	2	2.5	1.0	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	0.10	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.46	42.2	26.2	✓
10	Water heater	A	101	2	2.5	1.0	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	0.13	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.52	42.2	26.2	✓
11	Utility Lights	A	101	6	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	0.35	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.74	42.2	26.2	✓
12	Kitchen lights	A	101	12	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	0.23	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.62	42.2	26.2	✓
13	Smoke alarms / ground floor lights	A	101	40	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	0.21	N/A	N/A	N/A	N/A	N/A	N/A	✓	0.60	42.2	26.2	✓
14	Spare	N/A	N/A	N/A	N/A	N/A	0.4	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		

Location of consumer unit **Inside Front door** Designation of consumer unit **DB001---** Prospective fault current at consumer unit **N/A** kA

TEST INSTRUMENTS		Test instruments (serial numbers) used									
Multi-functional	89873101	Insulation resistance	89873101	Continuity	89873101	Earth electrode resistance	N/A	Earth fault loop impedance	89873101	RCD	89873101

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

This report is based on the model forms shown in Appendix 6 of BS 7671. Published by Certsure LLP. Certsure LLP operates the ELECSA & NICEIC brands. © Copyright Certsure LLP (January 2015)