

Installer's Reference Number

JANE MORTON ALEXANDER ST

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

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

Original (To the person ordering the work)

A. DETAILS OF THE CLIENT

Client: Mrs Jane Morton

Address: Warwick road
Carlisle
Cumbria

Postcode: CA1 1DN

B. PURPOSE OF THE REPORT

Purpose for which this report is required: EICR
Landlords report for student housing.

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

C. DETAILS OF THE INSTALLATION

Occupier: Mrs J Morton

Address: 42 alexander street
Carlisle
Cumbria

Postcode: CA1 2LH

Estimated age of the electrical installation: 10 years Evidence of alterations or additions If yes, estimated age 5 years

Date of previous inspection: N/A 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:

90 percent.

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

No lifting of floor boards or entering of attic spaces.
No damage to any of the existing decor.

Agreed with: N/A

Operational limitations including the reasons (see page No. 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):

Generally in 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)

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 N/A

Item No	Observations	Code †

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 F1** *"Further investigation required without delay"*.
- Please see the 'Guidance for Recipients' regarding the Classification codes.

Immediate remedial action required for items: N/a

Urgent remedial action required for items: N/a

Further investigation required without delay for items: N/a

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 overall assessment of the installation in terms of its suitability for continued use is

SATISFACTORY ~~UNSATISFACTORY~~

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

* An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (F1) is required

INSPECTION, TESTING AND ASSESSMENT BY:

Signature *Doyle*
Name (CAPITALS) Simon Doyle
Position Director
Date:

REPORT REVIEWED AND CONFIRMED BY:

Signature *Doyle*
Name (CAPITALS) Simon Doyle
Date: 29/08/2018

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) <input type="text"/>
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.

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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 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 (see F).

J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title: Crown cabling systems Ltd

Address: Cedars
Moorhouse
Carlisle
Cumbria

Telephone number: 01228 576109

Email Address: simon@crowncablingsystems.co.uk

Postcode: CA56EY

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"/>	Nominal Voltage(s), $U^{(1)}$	240 V	$U_0^{(1)}$	230 V
TN-C-S	<input type="checkbox"/>	1-phase (2 wire)	<input checked="" type="checkbox"/>	Nominal frequency, $f^{(1)}$	50 Hz	Number of sources	1
TT	<input type="checkbox"/>	2-phase (3 wire)	<input type="checkbox"/>	Prospective fault current, $I_{pf}^{(2)(3)}$	1177 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)	<input type="checkbox"/>	External earth fault loop impedance, $Z_e^{(3)(4)}$	0.20 Ω	BS(EN)	BS 88-3 Fuse C
		3-phase (4 wire)	<input type="checkbox"/>			Type	C
		Other (please state)				Rated current	80 A
						Short-circuit capacity	16 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)		Earthing and protective bonding conductors		Bonding of extraneous-conductive-parts (✓)	
Distributor's facility:	<input checked="" type="checkbox"/>	Type: (eg rod(s), tape etc)		Location:		Water service	<input checked="" type="checkbox"/>
Installation earth electrode:	<input type="checkbox"/>	Electrode resistance, R_A (Ω)		Method of measurement:		Oil service	<input type="checkbox"/>
Main Switch/Switch-Fuse/Circuit-Breaker/RCD		Earthing conductor		Main protective bonding conductors		Gas Service	
Type: BS(EN)		Conductor material	Copper	Conductor material	Copper	Structural steel	<input checked="" type="checkbox"/>
Voltage rating	230 V	Conductor csa	16 mm ²	Conductor csa	16 mm ²	Lightning protection	<input type="checkbox"/>
No of Poles		Connection/continuity verified	<input checked="" type="checkbox"/> (✓)	Connection/continuity verified	<input checked="" type="checkbox"/> (✓)	Other (Specify)	
Rated current, I_n	80 A						
Primary supply conductors (material)	Copper						
RCD operating current, $I_{\Delta n}$ *							
Primary supply conductors (csa)	16 mm ²						
Rated time delay*							
RCD operating time (at $I_{\Delta n}$)*							

* (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	N/A	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	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	✓	
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	✓	

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

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	LIM	
4.5	Enclosure not damaged/deteriorated so as to impair safety	✓	
4.6	Presence of linked main switch	LIM	
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	C3	
4.12	Presence of alternative or additional 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)	N/A	
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	✓	

* 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.

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference
4.19	RCDs provided for fault protection - includes RCBOs	✓	
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	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)	LIM	
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)	LIM	
	incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the	LIM	

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	LIM	
5.13	Band II cables segregated/separated from Band I cables	LIM	
5.14	Cables segregated/separated from communications cabling	LIM	
5.15	Cables segregated/separated from non-electrical services	LIM	
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	✓	

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

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 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)
 Improvement recommended state C3

Outcome
 Provide additional comment where appropriate on attached numbered sheets.
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DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference
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	✓	
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)	LIM	
7.7	Recessed luminaires (downlighters)		
	correct type of lamps fitted	LIM	

Item	Description	Outcome*	Location reference
	installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	LIM	
	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	✓	
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 all other special installations or locations present, if any. (Record the results of particular inspection applied separately).	✓	

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 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)
 Improvement recommended state C3

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.

SCHEDULES

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 Operating current, I _{Δn} Maximum Z _s permitted by BS 7671	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)		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} (ms) if applicable	
														r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂										
					(mm ²)	(mm ²)	(s)	(A)	(kA)	(mA)	(Ω)	(Line)		(Neutral)	(cpc)	(R ₁ + R ₂)	(R ₂)	(MΩ)	(MΩ)	(MΩ)	(MΩ)		(Ω)	(ms)	(ms)		(✓)	
1	Sockets Ground floor 1	A	B	14	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.31	0.27	N/A	0.13	N/A	> 450	> 450	> 450	> 450	✓	0.7	37	18	✓	
2	Cooker	A	B	1	6.0	2.5	0.4	60898 MCB	B	32	6	30	1.37	N/A	N/A	N/A	0.24	N/A	> 500	> 500	> 500	> 500	✓	0.6	37	18	✓	
3	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	N/A	N/A	✓
4	Sockets Ground floor 2	A	B	9	2.5	1.5	0.4	60898 MCB	B	20	6	30	2.19	N/A	N/A	N/A	0.07	N/A	> 600	> 600	> 600	> 600	✓	0.7	37	18	✓	
5	Lights First Floor	A	B	8	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	0.54	N/A	> 100	> 100	> 100	> 100	✓	1.1	N/A	N/A	✓	
6	Sockets First Floor	A	B	16	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.26	0.27	0.47	0.13	N/A	> 700	> 700	> 700	> 700	✓	0.8	35	17	✓	
7	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	N/A	N/A	✓
8	Sockets Ground Floor	A	B	4	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	0.31	N/A	> 700	> 700	> 700	> 700	✓	0.6	35	17	✓	
9	Shower	A	B	1	6.0	2.5	0.4	60898 MCB	B	32	6	30	1.37	N/A	N/A	N/A	0.09	N/A	> 700	> 700	> 700	> 700	✓	1.1	N/A	N/A	✓	
10	Lights Ground Floor	A	B	12	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	1.2	N/A	> 110	> 110	> 110	> 100	✓	1.68	N/A	N/A	✓	

Location of consumer unit **Front ground floor room corner cupboard.**

Designation of consumer unit **DB001---**

Prospective fault current at consumer unit **1177** kA

TEST INSTRUMENTS

Test instruments (serial numbers) used

Multi-functional **METREL**

Insulation resistance **METREL**

Continuity **METREL**

Earth electrode resistance **METREL**

Earth fault loop impedance **METREL**

RCD **METREL**

A	Thermoplastic insulated cables in non-sheathed cables/metallic sheathed cables	B	Thermoplastic cables in non-metallic conduit	C	Thermoplastic cables in metallic conduit	D	Thermoplastic cables in metallic trunking	E	Thermoplastic cables in non-metallic trunking	F	Thermoplastic SWA cables	G	Thermoplastic/ SWA cables	H	Miscellaneous insulated cables	I (Other, please state)
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Original (To the person ordering the work)