

(A) CLIENT DETAILS / PERSON ORDERING THE WORK

Name: AILEAN SPINK
Address: DENFIELD, ARBROATH

(B) PURPOSE OF THE REPORT

Purpose for which this report is required: PROPERTY RENTAL
Date(s) on which the inspection and testing was carried out: 14/12/2019

(C) DETAILS OF THE INSTALLATION

✓ tick box(es) where applicable

Occupier: TENANT
Installation address: TOP FLAT, 55 HIGH ST, ARBROATH, DD11 1AN

DESCRIPTION OF PREMISES: Domestic Commercial Industrial Other Description:

Estimated age of wiring system: 15 years Evidence of alterations or additions: Yes No Not apparent

If "Yes", estimate age and give details:

Date of last inspection: UNKNOWN Installation records available: Yes No Records held by:

(D) EXTENT AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report: COMPLETE ELECTRICAL INSTALLATION

Agreed limitations including the reason(s), if any, on the inspecting and testing: WHERE CABLES ARE CONCEALED WITHIN WALLS, CEILINGS OR UNDERFLOORS Agreed with: CLIENT

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

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations), as amended to.....
NOTE: Cables concealed in trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and the inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

(E) SUMMARY OF THE CONDITION OF THE INSTALLATION

The general condition of the installation (in terms of electrical safety) is: VERY GOOD

Additional pages were used to compile the summary of this installation. Yes/No See page(s)..... 1-5

The overall assessment of the installation is: SATISFACTORY/UNSATISFACTORY (Delete as appropriate)

NOTE: An UNSATISFACTORY assessment indicates that one or more dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

(F) RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use (see E) is stated as UNSATISFACTORY, I/We recommend that any observations classified as 'Danger present' (Code C1) or 'Potentially dangerous' (Code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations recommended as 'Further investigation required' (Code F). Observations that have been classified as 'Improvement recommended' (Code C3) should be given due consideration.

subject to the necessary remedial action being taken, I/We* recommend that this installation is further inspected and tested by this date 12/2024

(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 above, 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 K) and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated Extent and Limitations in section D of this Report.

INSPECTED AND TESTED BY:

Name (Capitals): GRAHAM COWAN
Signature: [Signature]
For/on behalf of: G. COWAN: ELECTRICIAN
Position: SOLE TRADER
Address: 16, Cowill Pl, ARBROATH, DD11 1BS
Date: 16-12-2019

REPORT REVIEWED AND CONFIRMED BY:

Name (Capitals):
Signature:
For/on behalf of:
Position:
Address:
Date:

(H) SCHEDULES

THE PAGES IDENTIFIED BELOW ARE AN ESSENTIAL PART OF THIS REPORT, SO THE REPORT IS ONLY VALID WHERE ALL OF THE SCHEDULES IDENTIFIED ACCOMPANY THIS REPORT.

Inspections schedule, page nos.: Schedules of Circuit Details/Test Results, page no.:

(I) SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Notes: tick box(es) where applicable
 (1) by enquiry
 (2) by enquiry or by measurement

Number of Live Conductors: 2/3/4* Type of live conductors: a.c./d.c.*

Nature of Supply: Nominal voltage (V): U_n 240 (V) U_e (V) Nominal frequency (f⁽¹⁾): 50 Hz

State number of sources (to be detailed on attached schedules) Prospective fault current (earth fault/short-circuit)⁽²⁾: 1.33 kA External loop impedance (Z_s)⁽²⁾: 0.21 Ω

Supply polarity confirmed

Supply Protective Device: BS (EN): 11 Type: HENLEY Rated Current/Current Setting (I_n): 100 A

System Type(s): TNS TNCS TT TNC IT

(J) PARTICULARS OF INSTALLATION AT THE ORIGIN

Maximum Demand (load): kVA/Amps per phase tick box(es) where applicable

Means of Earthing: Distributor's Facility Installation Earth Electrode

Details of Installation Earth Electrode:
 Location: Type (rod(s), tape etc.):
 Electrode Resistance to Earth (R_a): Ω Method of Measurement:

Main Protective Conductors

tick box(es) where applicable

Earthing Conductor: Material: COPPER csa: 16 mm² Continuity and connection(s) verified

Protective Bonding Conductors (to extraneous-conductive-parts): Material: COPPER csa: 10 mm² Continuity and connection(s) verified

To: Water Installation Pipes Gas Installation Pipes Oil installation pipes
 Lightning protection Structural Steel Other specify:

Main Switch/Switch Fuse/Fuse Switch/Circuit-breaker/RCD: Location: HALL CUPBOARD

BS (EN) Type and No. of Poles: 2 Current Rating: 100 A Fuse/Device rating or setting: 60 A Voltage Rating: 240 V

Rated Residual Operating Current (I_{Δn}): mA Operating Time I_{Δn}: ms

Rated time delay: ms

NOTE: Applicable only where the RCD is suitable and is used as a main switch.

(K) OBSERVATIONS

Referring to the attached Schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and Testing section.

No remedial action is required The following observations are made

Item No.	Observation(s) - Include schedule reference, as appropriate	CLASSIFICATION CODE
1	Consumer unit requires upgrade	C3
2	Smoke/heat alarms require upgrading	C3
3	Extension leads should be removed	C3

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.
 - FI - Further investigation required without delay
- Items that require action: 1, 2 & 3

INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

Suitable for many types of smaller installation not exclusively domestic

Report No. 0792

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OUTCOMES	Acceptable condition	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	3	F1
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1. DISTRIBUTOR'S[†]/SUPPLY INTAKE EQUIPMENT

(Adequacy and condition of)

		* Outcome	Comments and/or location
1.1	Service cable	✓	
1.2	Service head	✓	
1.3	Distributor's earthing arrangement(s)	✓	
1.4	Distributor's and consumer's meter tails	✓	
1.5	Metering equipment	✓	
1.6	Means of isolation (where present)	✓	

[†]The Distributor should be notified of any unsatisfactory equipment

2.0 PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES OF SUPPLY SUCH AS MICROGENERATORS (551.6; 551.7)

		N/A	
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3. AUTOMATIC DISCONNECTION OF SUPPLY

3.1	Main earthing/bonding arrangements (411.3; Chap 54)		
	i) Presence and adequacy of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓	
	ii) Presence and adequacy of installation earth electrode arrangement (542.1.2.3)	N/A	
	iii) Adequacy of earthing conductor's CSA (542.3; 543.1.1)	✓	
	iv) Adequacy and accessibility of earthing conductor connections (542.3.2)	✓	
	v) Adequacy of main protective bonding conductor's/conductors' CSA (544.1)	✓	
	vi) Adequacy and accessibility of all protective bonding connections (543.3.2)	✓	
	vii) Provision of earthing and bonding labels at all appropriate locations (514.13)	✓	
	viii) Adequacy and accessibility of other protective bonding conductors (543.3.2)	N/A	
3.2	Functional extra-low voltage (FELV) (411.7)		
	i) source provides at least simple separation		
	ii) all plugs, socket-outlets and similar are not interchangeable with any other systems within the installation	N/A	
3.3	Reduced low voltage (RLV) 110 V systems (411.8)		
	i) Adequacy of suitable source		
	ii) All plugs, socket-outlets and similar are not interchangeable with other systems within the premises	N/A	

4.0 OTHER METHODS OF PROTECTION

4.1	Electrical separation for one item of equipment	✓	
4.2	SELV / PELV	N/A	
4.3	Double or reinforced insulation	✓	METER TAILS

5.0 DISTRIBUTION EQUIPMENT

5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓	
5.2	Securely fixed (134.1.1)	✓	
5.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓	
5.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	✓	
5.5	Enclosure(s) not damaged/deteriorated so as to impair safety (621.2 (iii))	✓	
5.6	Presence of main switch(es), linked where required (537.1.2; 537.1.4)	✓	
5.7	Operation of main switch(es), to prove disconnection (functional check) (612.13.2)	✓	
5.8	Presence and correct identification of circuit protective devices (514.8.1)	✓	
5.9	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; .5; .6; Sections 432, 433)	✓	
5.10	Adequacy of protective devices for prospective fault current (411.3)	✓	
5.11	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)	✓	
5.12	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	✓	
5.13	RCD(s) provided for protection against fire - includes RCBOs (422.3.9; 532.1)	✓	

*ALL 'outcome' boxes to be completed

This Schedule is based on the model form shown in Appendix 6 of BS 7671

INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

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		*	Outcome	Comments and/or location
5.14	Manual operation of circuit-breakers and RCDs to prove disconnection (functional check) (612.13.2)	✓		
5.15	Confirmation that the integral test button/switch causes RCD(s) to trip when operated (functional check) (612.13.1)	✓		
5.16	Confirmation of indication that SPD(s) are functional	✓		
5.17	Confirmation that single-pole switches or protective devices in line conductors only (132.14.1; 530.3.2)	✓		
5.18	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	N/A		
5.19	Presence of RCD quarterly retest notice at or near equipment, where required (514.12.2)	✓		
5.20	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required (514.14)	✓		
5.21	Presence of replacement next inspection recommendation label (514.12)	✓		
5.22	Presence of other required labelling (please specify)	N/A		
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	✓		
5.24	Protection against electromagnetic effects (heating effects) where cables enter metallic (e.g. steel) enclosures (521.5.1)	N/A		
5.25	Adequate arrangements in place where a generating set (e.g. solar PV) operates as a switched alternative to the public supply (551.6)	N/A		
5.26	Adequate arrangements in place where a generating set (e.g. solar PV) operates in parallel with the public supply (551.7)	N/A		
5.28	Confirmation that ALL conductor connections, including connections to busbars/marshalling terminals are correctly located and are tight and secure	✓		

6.0 DISTRIBUTION / FINAL CIRCUITS

6.1	Identification of conductors (by colour, numbers and/or lettering) (514.3.1)	✓		
6.2	Cables correctly supported throughout their length, especially in escape routes (522.8.5)	✓		
6.3	Condition of insulation of live parts (416.1)	✓		
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	✓		
6.5	Containment system is suitable for continued use (including flexible conduit) (Section 522)	N/A		
6.6	Cables correctly terminated in enclosures (Section 526)	✓		
6.7	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)	✓		
6.8	Cables show no signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	✓		
6.9	Cables are adequate for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓		
6.10	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓		
6.11	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	✓		
6.12	Wiring system appropriate to the type and nature of installation and external influences (Section 522)	✓		
6.13	Where exposed to direct sunlight, cable(s) of a suitable type (522.11.1)	N/A		
6.14	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal			
	i) installed in prescribed zones (see Section D. Extent and limitations) (522.6.101)	N/A		
	ii) incorporate earthed armour or sheath, or be installed within an earthed wiring systems, or otherwise protected against mechanical sufficient to prevent damage by nails, screws and the like (see Section D. Extent and limitations) (522.6.103)	N/A		
6.15	Provision of additional protection by 30 mA*			
	• for all socket-outlets of rating 20 A or less, unless exempt	✓		
	• for mobile equipment not exceeding a rating of 32 A for use outdoors	✓		
	• for cables installed in walls / partitions at a depth of less than 50 mm	✓		
	• for cables installed in walls / partitions containing metal parts regardless of depth	✓		
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A		
6.17	Band II cables segregated/separated from Band I cables or insulated for highest voltage present (528.1)	N/A		
6.18	Cables segregated/separated from non-electrical services (528.3)	✓		
6.19	General condition of wiring system(s) (621.2(ii))	✓		
6.20	Temperature rating of cable insulation (522.1; Table 52.1)	✓		

*ALL 'outcome' boxes to be completed

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		*		
		Outcome	Comments and/or location	
6.21	Condition of circuit accessories including socket-outlets, switches and joint boxes (621.2(iii))	✓		
6.22	Suitability of circuit accessories for external influences (512.2)	✓		
6.23	Single-pole devices for switching in line conductor only (132.14.1; 530.3.2)	✓		
6.24	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)			
	• Connections soundly made and under no undue strain	✓		
	• No basic insulation of a conductor visible outside enclosure	✓		
	• Connections of live conductors adequately enclosed	✓		
	• Adequately connected at point of entry to enclosure (gland, bush or similar)	✓		
3.25	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment, identify/record numbers and locations of items inspected (Section 526)	✓		

7. CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

7.1	Condition and suitability of equipment in terms of IP rating etc (416.2)	✓		
7.2	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	✓		
7.3	Suitability for the environment and external influences (512.2)	✓		
7.4	Equipment does not constitute a fire hazard (Section 421)	✓		
7.5	Equipment is securely fixed (134.1.1)	✓		
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)			
	i) Correct type and rating of lamps fitted	N/A		
	ii) Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)	N/A		
	iii) No signs of overheating to surrounding building fabric (559.4.1)	N/A		
	iv) No signs of overheating to conductors/terminations (526.1)	N/A		
7.8	Provision of undervoltage protection, where specified (Section 445)	N/A		
7.9	Provision of overload protection, where specified (Section 443; 552.1)	N/A		

8.0 LOCATION(S) CONTAINING A BATH OR SHOWER

.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)			
	i) serving the location	✓		
	ii) passing through zone 1 and/or zone 2 not serving the location	✓		
.2	Where used as a protective measure, requirements for SELV or PELV are met (701.414.4.5)	N/A		
.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)	N/A		
.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2)	✓		
.5	Low voltage (e.g. 230 V) socket-outlets installed at least 3m horizontally from the boundary of zone 1 (701.512.3)	N/A		
.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓		
.7	Suitability of equipment for installation in a particular zone (701.512.3)	✓		
.8	Suitability of current-using equipment for particular position within the location (701.55)	✓		

9.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS

1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)			

All 'outcome' boxes to be completed

as Schedule is based on the model form shown in Appendix B of BS 7671

Inspected by:
Name (Capital):

G. COWAN

Signature:



Date:

14/12/19