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DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations

Report Reference: 2351688

1 DETAILS OF THE PERSON ORDERING THE REPORT

Client: CONDOR PROPERTIES

Address: MILL HOUSE, LUGG BRIDGE MILL, HEREFORD, HR1 3NA

2 REASON FOR PRODUCING THIS REPORT

Reason for producing this report:

Safety assessment requested by client.

Date(s) on which inspection and testing was carried out: 14/06/2022

3 DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Installation Address: 3 CROMWELL ST, SWANSEA, SA1 6EZ

Estimated age of wiring system: 15 years

Evidence of additions/ alterations: Yes if yes, estimated age: 3 years

Installation records available? (Regulation 651.1) Yes

Date of last inspection: 21/07/2020

4 EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% of the installation.

Agreed limitations including the reasons (see Regulation 653.2):

NO LIFTING OF FLOOR BOARDS. UNABLE TO INSPECT CABLING ENCLOSED IN THE FABRIC OF THE BUILDING . INSULATION RESISTANCE TAKEN BETWEEN LINE AND CPC CONDUCTORS ONLY

Agreed with:

Operational limitations including the reasons:

NONE

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations) as amended to 2020.
It should be noted that cables concealed within 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 inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

5 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*: SATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

6 RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as 'FI - Further Investigation Required'.
Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by: 5 Years

Note: The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

☐ There are no items adversely affecting electrical safety

or

☐ The following observations and recommendations are made

Item No	Observations	Classification Code
1	Inspection Schedule Item 4.4: Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5) is recommended for improvement.	C3
2	Inspection Schedule Item 4.10: Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2) is recommended for improvement.	C3
3	Inspection Schedule Item 5.12.3: For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203) is recommended for improvement.	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.

- C1 Danger Present. Risk of injury. Immediate remedial action required
- C2 Potentially dangerous. Urgent remedial action required
- C3 Improvement recommended
- FI Further investigation required without delay

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	N/A
Improvement recommended for items:	1, 2, 3
Further investigation required for items:	N/A

8 GENERAL CONDITION OF THE INSTALLATION

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

THE INSTALLATION IS IN A GENERALLY GOOD STATE WITH GOOD RECORDS OF MAINTENANCE AND TESTING

9 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 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 4 of this report.

Trading Title:	Condor Properties		
Address:	Mill House Lugg Bridge Mill, Worcester Rd Hereford Postcode: HR1 3NA	Registration Number (if applicable):	N/A
		Telephone Number:	01432 367276

For the INSPECTION, TESTING AND ASSESSMENT of the report:

Name:	Position:	Signature:	Date:
Barrie Taylor	Qualified Supervisor		14/06/2022

10 TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	4299108	Earth electrode resistance:	N/A
Insulation resistance:	N/A	Earth fault loop impedance:	N/A
Continuity:	N/A	RCD:	N/A

11 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements

TN-S	✔
TN-C-S	N/A
TT	N/A

Number and Type of Live Conductors

1-phase (2 wire):	✔	1-phase (3 wire):	N/A
3-phase (3 wire):	N/A	3-phase (4 wire):	N/A
Other:	N/A		

Confirmation of supply polarity:

Nature of Supply Parameters

Nominal voltage(s):	U: 240 V	Uo: 230 V	
Nominal frequency, f:	50 Hz		
Prospective fault current, Ipf:	2.3 kA		
External earth fault loop impedance, Ze:	0.21 Ω		

Supply Protective Device

BS(EN):	1361 Fuse HBC
Type:	2
Rated current:	60 A
Short-circuit capacity:	33 kA

12 PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Details of Installation Earth Electrode (where applicable)

Type:	N/A	Location:	N/A
Resistance to Earth:	N/A Ω	Method of measurement:	N/A

Maximum Demand (Load):		Protective measure(s) against electric shock:	ADS

Main Switch / Switch-Fuse / Circuit-Breaker / RCD

Type BS(EN):	60947-3 Isolator	Current rating:	100 A	Supply conductors material:	Copper
Number of poles:	2	Fuse/device rating or setting:	A	Supply conductors csa:	16 mm²
		Voltage rating:	240 V		

If RCD main switch:

Rated residual operating current (IΔn):	N/A mA
Rated time delay:	N/A ms
Measured operating time (at IΔn):	N/A ms

Earthing and Protective Bonding Conductors

Earthing conductor

Conductor material:	Copper	csa:	10 mm²	Connection/ continuity verified:	✔

Main protective bonding conductors

Conductor material:	Copper	csa:	10 mm²	Connection/ continuity verified:	✔

Bonding of extraneous-conductive parts

To water installation pipes:	✔	To gas installation pipes:	✔
To oil installation pipes:		To lightning protection:	
To structural steel:		To other service(s):	N/A

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

Item	Description	Comments	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)		
1.1	Service cable	N/A	Pass
1.2	Service head	N/A	Pass
1.3	Earthing arrangement	N/A	Pass
1.4	Meter tails	N/A	Pass
1.5	Metering equipment	N/A	Pass
1.6	Isolator (where present)	N/A	N/A
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)	N/A	N/A
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)		
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	N/A	Pass
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	N/A	N/A
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	N/A	Pass
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	N/A	Pass
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	N/A	Pass
3.6	Confirmation of main protective bonding conductor sizes (544.1)	N/A	Pass
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	Pass
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	N/A	Pass
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	N/A	Pass
4.2	Security of fixing (134.1.1)	N/A	Pass
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	Pass
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	POSITIONED ON A FIRE ESCAPE ROUTE AND NOT ENCLOSED IN A FIRE RATED ENCLOSURE	C3
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	N/A	Pass
4.6	Presence of main linked switch (as required by 462.1.201)	N/A	N/A
4.7	Operation of main switch (functional check) (643.10)	N/A	Pass
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	N/A	Pass
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	N/A	Pass
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	OLD QUATERLY LABEL REPLACED FOR NEW 6 MONTH LABEL	C3
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	N/A	Pass
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	N/A	N/A
4.13	Presence of other required labelling (please specify) (Section 514)	N/A	Pass
4.14	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	N/A	Pass

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

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

Item	Description	Comments	Outcome
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	N/A	Pass
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	N/A	Pass
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	N/A	Pass
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A	N/A
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	N/A	Pass
4.20	Confirmation of indication that SPD is functional (651.4)	N/A	N/A
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	N/A	Pass
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A	N/A
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	N/A
5.0	FINAL CIRCUITS		
5.1	Identification of conductors (514.3.1)	N/A	Pass
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	N/A	LIM
5.3	Condition of insulation of live parts (416.1)	N/A	Pass
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	N/A
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	N/A	Pass
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	N/A	Pass
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	N/A	Pass
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	N/A	Pass
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	N/A	Pass
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	N/A	Pass
5.10	Concealed cables installed in prescribed zones (see Section 4. Extent and Limitations) (522.6.202)	N/A	LIM
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section 4. Extent and Limitations) (522.6.204)	N/A	LIM
5.12	Provision of additional requirements for protection by RCD not exceeding 30mA:		
5.12.1	For all socket-outlets of rating 32A or less, unless an exception is permitted (411.3.3)	N/A	Pass
5.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	N/A	Pass
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	SMOKE DETECTORS NOT RCD PROTECTED	C3
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	N/A	Pass
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	N/A	Pass

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

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

Item	Description	Comments	Outcome
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	Pass
5.14	Band II cables segregated/separated from Band I cables (528.1)	N/A	LIM
5.15	Cables segregated/separated from communications cabling (528.2)	N/A	LIM
5.16	Cables segregated/separated from non-electrical services (528.3)	N/A	LIM
5.17	Termination of cables at enclosures - indicate extent of sampling in Section 4 of the report (Section 526)		
5.17.1	Connections soundly made and under no undue strain (526.6)	N/A	Pass
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	N/A	Pass
5.17.3	Connections of live conductors adequately enclosed (526.5)	N/A	Pass
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	N/A	Pass
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))	N/A	Pass
5.19	Suitability of accessories for external influences (512.2)	N/A	Pass
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	N/A	Pass
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	N/A	Pass
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	N/A	Pass
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	Pass
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A	Pass
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)	N/A	Pass
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	Pass
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A	Pass
6.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	Pass
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspections)		
7.1	N/A	N/A	Pass
7.2	N/A	N/A	Pass
7.3	N/A	N/A	Pass
7.4	N/A	N/A	Pass
7.5	N/A	N/A	Pass
7.6	N/A	N/A	Pass
7.7	N/A	N/A	Pass
7.8	N/A	N/A	Pass
7.9	N/A	N/A	Pass
7.10	N/A	N/A	Pass

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

16 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Designation of consumer unit: D.B. 1 | Location: CUPBOARD AT MAIN ENTRANCE | Prospective fault current: 2.1 kA

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa		Max disconnect time permitted by BS7671	Overcurrent protective devices				RCD	Maximum Z_s permitted by BS7671	Circuit impedances (Ohms)					Insulation resistance			Polarity	Maximum measured earth fault loop impedance Zs	RCD		AFDD
														Ring final circuits only (measured end to end)			All circuits (one column to be completed)									
					Live	cpc		BS(EN)	Type No	Rating	Capacity	Operating current, IΔn		r_1 (Line)	r_n (Neutral)	r_2 (cpc)	R_1+R_2	R_2	Live - Live	Live - Earth	Test voltage			Disconnection time	Test button operation	Test button operation
					mm²	mm²	s			A	kA	mA	Ω						MΩ	MΩ	V	✔	Ω	ms	✔	✔
1	SMOKE DETECTORS	A	C	6	1.0	1.0	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	0.65	N/A	LIM	> 200	500	✔	0.86	8.6	✔	N/A
2	HOB	A	C	1	6	1.0	0.4	60898	B	32	6	30	1.37	N/A	N/A	N/A	0.21	N/A	LIM	> 200	500	✔	0.42	8.6	✔	N/A
3	SOCKETS	A	C	5	2.5	1.5	0.4	60898	B	20	6	30	2.19	N/A	N/A	N/A	0.60	N/A	LIM	> 200	500	✔	0.81	8.6	✔	N/A
4	UNKNOWN	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	N/A
5	LIGHTING UPSTAIRS	A	C	5	1.0	1.0	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	1.02	N/A	LIM	> 200	500	✔	1.23	8.6	✔	N/A
6	SHOWER	A	C	1	6	2.5	0.4	60898	B	40	6	30	1.09	N/A	N/A	N/A	0.41	N/A	LIM	> 200	500	✔	0.62	10.2	✔	N/A
7	LIGHTING DOWNSTAIRS	A	C	6	1.0	1.0	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	1.10	N/A	LIM	> 200	500	✔	1.31	10.2	✔	N/A
8	KITCHEN SOCKETS	A	C	9	2.5	1.5	0.4	60898	B	16	6	30	2.73	0.40	0.40	0.69	0.42	N/A	LIM	> 200	500	✔	0.63	10.2	✔	N/A
9	SOCKETS	A	C	7	2.5	1.5	0.4	60898	B	20	6	30	2.19	N/A	N/A	N/A	0.61	N/A	LIM	> 200	500	✔	0.82	10.2	✔	N/A
10	SOCKETS	A	C	4	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.70	0.70	1.18	0.64	N/A	LIM	> 200	500	✔	0.85	10.2	✔	N/A
11																										

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in nonmetallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in nonmetallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral insulated cables	N/A

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT
GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.
2. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
3. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. For safety reasons it is important that this instruction is followed.
5. Section 4 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section 4.
7. For items classified in Section 7 as C1 ('Danger present'), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section 7 as C2 ('Potentially dangerous'), the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in Section 7 that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 6).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work . The recommended date by which the next inspection is due is stated in Section 6 of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.