

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 81 Registration No 37010

SECTION A. DETAIL OF CLIENT / PERSON ORDERING THE REPORT

Name Mr John Morris

Address

Postcode:

SECTION B. REASON FOR PRODUCING THIS REPORT

Date(s) on which inspection and testing was carried out 23 March16

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier

Address Charminster flats Block 25 to 30

Postcode:

Description of premises

Domestic ☐ Commercial ☒ Industrial ☐ Other(include brief description) ☐ ...

Estimated age of wiring system ...20 plus years

Evidence of additions/alterations yes apparent if yes estimate age ... years

Installation record available (Regulations 621.1) yes ☐ no ☒ Date of last Inspection ... (date)**SECTION D. EXTENT AND LIMITATION OF INSPECTION AND TESTING**

Extent of the electrical installation covered by this report

communal space

Agreed limitations including the reasons (see regulations 634.2)

Agreed with

Operations limitations including the reason (see page no ...)

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 ...2015/3

It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and general 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.

SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Overall assessment of the installation in terms of its suitability for continued use

SATISFACTORY* (delete as appropriate)

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

SECTION F. RECOMMENDATIONS

Where the overall assessment of suitability of the installation for continued use above is stated as UNSATISFACTORY, I/we recommend that any observation classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency.

Investigations without delay is recommend for observations identified as 'Further investigation required (FI).

Observations classified as 'Improvement recommend' (code C3) should be given due consideration

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and test by 23 March 21 (date)

SECTION 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 observation and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations of section D of this report.

Inspected and tested by:

Name: PAUL SPENCE

Signature ...*Paul Spence*.....

..For/on behalf of : ALL WIRED UP

Position: ELECTRICIAN

Address 34 ELM PARK, ROYAL WOOTTON BASSETT

Date Postcode: SN4 7TA

Report authorised for issue by:

Name:

Signature

For/on behalf of :

Position:

Address

Date Postcode:

SECTION H. SCHEDULE(S)

... schedule (s) of inspection and ... schedule(s) of test results are attached..

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

Section I. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors		Nature of Supply Parameters	Supply Protective Device
TN-C ☐ TN-S ☐ TN-C-S ☒ TT ☐ IT ☐	a.c. ☒ 1-phase, 2 wire ☒ 2 phase, 3 wire ☐ 3 phase, 3 wire ☐ 3 phase, 4 wire ☐	d.c. ☐ 2 wire ☒ 3 wire ☐ other ☐	Nominal voltage U / U ₀ ⁽¹⁾ 230 V Nominal Frequency, f ⁽¹⁾ 50 Hz Prospective fault current, I _{pf} ⁽²⁾ : 1.24 kA external loop impedance, Z _e ⁽²⁾ : .21Ω <i>(note (1) by enquiry (2) by enquiry or by measurement)</i>	BS (EN): 1361 Type : b Rated current 100 A
Confirmation of supply polarity ☒				

Other sources of supply (as detailed on attached schedule) ☐

SECTION J. PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORTS

Means of Earthing	Details of Installation Earth Electrode <i>(where applicable)</i>
distributor's facility ☒ installation earth electrode ☐	Type: rod Location: Resistance to Earth N/A

Main Protective Conductors

Earthing Conductor	Material Copper csa 16 mm ²	Connection / continuity verified ☒
Main Protective Bonding Conductors (to extraneous-conductive-parts)	Material Copper csa 10 mm ²	Connection / continuity verified ☐
To water installation pipes ☒	To gas installation pipes ☐	To oil installation pipes ☐
To lightning protection ☐	To other ☐ Specify ...	To structural steel ☐

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

Location main panel BS(EN) 60947-3 No of Poles 2	Current Rating 100amps Fuse / Device rating or setting Voltage rating 230v	If RCD main switch residual operating current (I _{Δn}) mA rated time delay ms Measured operating time (at I _{Δn}) ms
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SECTION K. OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and limitations of inspection and testing section
No Remedial action is required ☒ The following observations are made ☐ (see below):

OBSERVATIONS (S) Include schedule reference, as appropriate	CLASSIFICATION CODE
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	

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

Certificate No: 81 Registration No 37010

Note: This form is suitable for many types of smaller installation, not exclusively domestic.

OUTCOMES	Acceptable Condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	FI	No Verified	NV	Limitations	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION										OUTCOME (Use codes above. Provide additional comment where appropriate C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)			

1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT													
1.1	Condition of service cable										✓			
1.2	Condition of service head										✓			
1.3	Condition of distributor's earthing arrangement										✓			
1.4	Condition of meter tails - Distributor/Consumer										✓			
1.5	Condition of metering equipment										✓			
1.6	Condition of isolator (where present)										✓			

2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)													
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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)										✓			
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)										N/a			
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)										✓			
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)										✓			
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)										✓			
3.6	Confirmation of main protective bonding conductor sizes (544.1)										✓			
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)										✓			
3.8	Accessibility and condition of other protective bonding connections (543.3.2)										✓			

4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)													
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)													
4.2	Security of fixing (134.1.1)										✓			
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										✓			
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201, 526.5)										✓			
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))										✓			
4.6	Presence of main linked switch (as required by 537.1.4)										✓			
4.7	Operation of main switch (functional check) (612.13.2)										✓			
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)										✓			
4.9	Correct identification of Circuit details and protective devices (514.8.1; 514.9.1)										✓			
4.10	Presence of RCD quarterly test notice at or near consumer unit/distribution board (514, 12.2)										✓			
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)										N/a			
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)										✓			
4.13	Presence of other required labelling (please specify) (Section 514)										✓			
14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)										✓			
4.15	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)										✓			
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.11)										✓			
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)										✓			
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.9; 411.5.2; 531.2)										✓			
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)										✓			
4.20	Confirmation of indication that SPD is functional (534.2.8)										✓			
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)										✓			
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)										✓			
4.23	Adequate arrangements where a generating set operates in parallel With the public supply (551.7)										✓			

OUTCOMES	Acceptable Condition	✓ Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	FI	No Verified	NV	Limitations	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION										OUTCOME (Use codes above. Provide additional comment where appropriate C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)		

5.0	Final Circuits												
5.1	Identification of conductors (514.3.1)										✓		
5.2	Cables correctly supported throughout their run (522.8.5)										✓		
5.3	Condition of insulation of live parts (416.1)										✓		
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)										✓		
	■ To include the integrity of conduit and trunking systems (metallic and plastic)										✓		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)										✓		
5.6	Condition between conductors and overload protective devices (433.1; 533.2.1)										✓		
5.7	Adequacy protective devices: type and rated current for fault protection (411.3)										✓		
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)										✓		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)										✓		
5.10	Concealed cables Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)										N/A		
	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. <i>Extent and limitations</i>) (522.6.204)										✓		
5.12	Provision of additional protection by RCD not exceeding 30 mA:										✓		
	■ for all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)										✓		
	■ for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)										✓		
	■ for cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)										✓		
	■ for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)										✓		
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)										✓		
5.14	Band II cables segregated/separated from Band I cables (528.1)										✓		
5.15	Cables segregated/separated from communications cabling (528.2)										✓		
5.16	Cables segregated/separated from non-electrical services (528.3)										✓		
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)										✓		
	■ Connections soundly made and under no undue strain (526.6)										✓		
	■ No basic insulation of conductor visible outside enclosure (526.8)										✓		
	■ Connections of live conductors adequately enclosed (526.5)C										✓		
	■ Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)										✓		
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2(iii))										✓		
5.19	Suitability pf accessories for external influences (512.2)										✓		
20	Adequacy of working space/accessibility to equipment (132.12; 513.1)										✓		
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.32)										✓		

6.0	LOCATION(S) CONTAINING A BATH OR SHOWER												
6.1	Additional protection for ell low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)										N/A		
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)										N/A		
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)										N/A		
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)										N/A		
6.5	Low Voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)										N/A		
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)										N/A		
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)										N/A		
6.8	Suitability of current-using equipment for particular position within the location (701.55)										N/A		

7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS												
7.1	list all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)										✓		

Inspected by :**Name:** PAUL SPENCE**Signature***Paul Spence*.....**Date** 23 March16

DB reference no BD 1 block 25 to30 Location Zs at DB (Ω) .20 I _{pf} AT DB (kA) 1.25ka Correct supply polarity confirmed ☒ Phase sequence confirmed (where appropriate) ☐									Details of Circuits and/or installed equipment vulnerable to damage when testing						Details of test instruments used (state serial and/or asset numbers) Continuity 3383 Insulation resistance 3383 Earth fault loop impedance 3383 RCD 3383 Earth electrode resistance N/A						
Tested by: Name (Capitals) PAUL SPENCE Signature <i>Paul Spence</i> Date ...24 March16									Test results												
									Ring final circuit continuity (Ω)			Continuity (Ω) (R ₁ + R ₂) or R ₂		Insulation resistance (MΩ)		Polarity	Z _s (Ω)	RCD		Remarks (continue on a separate sheet if necessary)	
																		(ms)			
Circuit Details			Overcurrent device			Conductor details															
Number	Circuit	BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	Reference Method	Live (MM ²)	cpc (MM ²)	r ₁ (Line)	r _n (cpc)	r ₂ (Neutral)	(R ₁ + R ₂)	R ₂	Live-Live	Live-Earth	Insert ✓ or X		@ I _{Δn}	@ 5I _{Δn}	Test button operation	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	TV Socket	60898	B	16	6	8 & 9	2.5	1.5	N/a	N/a	N/a	.30	N/a	299	299	✓	.32	18.0	7.9	✓	
2	Smoke	60898	B	6	6	8 & 9	1	1	N/a	N/a	N/a	.56	N/a	299	299	✓	.59	18.0	7.9	✓	
3	Security	60898	B	16	6	8 & 9	2.5	1.5	N/a	N/a	N/a	.27	N/a	299	299	✓	.32	18.0	7.9	✓	
4	lights	60898	B	6	6	8 & 9	1	1	N/a	N/a	N/a	.56	N/a	299	299	✓	.57	18.2	7.9	✓	
5	Tv Socket	60898	B	16	6	8 & 9	2.5	1	N/a	N/a	N/a	.29	N/a	299	299	✓	.32	18.2	8.0	✓	
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