ALL WIRED UP

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 177 Registration No 37010

SECTION A. DETAIL OF CLIENT / PERSON ORDERING THE REPORT
Name Mr & Mrs Morris
Address 15 Windsor rd Swindon
Post Code

SECTION B. REASON FOR PRODUCING THIS REPORT
owner request
Date(s) on which inspection and testing was carried out 19/12/17

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT
Occupier flats
Address Farriers close bk 25 35 flat comman area
Postcode
Description of premises
Domestic [X] Commercial [ ] Industrial [ ] Other(include brief description) [ ] ...
Estimated age of wiring system ...25 plus years
Evidence of additions/alterations yes apparent if yes estimate age ... years
Installation record available (Regulations 621.1) yes [ ] no [X] Date of last Inspection ... (date)

SECTION D. EXTENT AND LIMITATION OF INSPECTION AND TESTING
Extent of the electrical installation covered by this report

comman area
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 19 december 22

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:	**Report authorised for issue by:**
Name: PAUL SPENCE	Name:
Signature ...*Paul Spence*.....	Signature
..For/on behalf of : ALL WIRED UP	For/on behalf of :
Position: ELECTRICIAN	Position:
Address 17 Windbrook Meadow Swindon	Address
Date Postcode: SN3 4UA	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) 240 V Nominal Frequency, f (1) 50 Hz Prospective fault current, I_{pf} (2) : 2.6kA external loop impedance, Ze (2): 0.09Ω (note (1) by enquiry (2) by enquiry or by measurement)	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 (where applicable)
distributor's facility ☒ installation earth electrode ☐	Type: 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		Connection / continuity verified ☐
To water installation pipes ☐	To gas installation pipes ☐	To oil installation pipes ☐	To structural steel ☐
To lightning protection ☐	To other ☐ Specify …		

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 ($I_{\Delta n}$) mA rated time delay ms Measured operating time (at $I_{\Delta n}$) ms

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

ALL WIRED UP

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

Certificate No: 177 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)**	✓
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 (5433.2; 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)	N/a
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)	N/a
	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	✓
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)	✓
4	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)	N/a
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	N/a
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)	N/a
4.23	Adequate arrangements where a generating set operates in para lel With the public supply (551.7)	N/a

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)	✓
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)	✓
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. *Extent and limitations*) (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.	✓
	▪ 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	✓
5.20	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 Spenc..... **Date** 19/12/17

ALL WIRED UP

GENERIC SCHEDULE OF TEST RESULTS

Certificate No: 177 Registration No 37010

DB reference no unit 1 Location Zs at DB0.0.09 I_{pf} AT DB 2.6 Correct supply polarity confirmed [X] Phase sequence confirmed (where appropriate) [X]	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 Paul Spence..... Date ...19 Dec 17

Circuit Details									Test results													
		Overcurrent device				Conductor details			Ring final circuit continuity (Ω)			Continuity (Ω) ($R_1 + R_2$) or R_2		Insulation resistance (MΩ)		Polarity	Z_s (Ω)	RCD (ms)			Remarks (continue on a separate sheet if necessary)
Number Circuit 1	Circuit Description 2	BS (EN) 3	Type 4	Rating (A) 5	Breaking Capacity (kA) 6	Reference Method 7	Live (MM^2) 8	cpc (MM^2) 9	r_1 (Line) 10	r_n (cpc) 11	r_2 (Neutral) 12	($R_1 + R_2$) 13	R_2 14	Live-Live 15	Live-Earth 16	Insert ✓ or ✗ 17	18	@ $I_{\Delta n}$ 19	@ $5I_{\Delta n}$ 20	Test button operation 21		22
1	Sockets tv	60898	B	16	6	100	2.5	1.5	N/a	N/a	N/a	.19	N/a	299	299	✓	.23					No RCD
2	lights	60898	B	6	6	100	1	1	N/a	N/a	N/a	.78	N/a	299	299	✓	.85					No RCD
3	Tel com	60898	B	6	6	100	1	1	N/a	N/a	N/a	.40	N/a	299	299	✓	.46					No RCD
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						