



DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

This report is not valid if the serial number has been defaced or altered

559633

DPN18

PART 1: DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 029024 Branch No: 000
Trading Title: Rotor Electric Ltd
Address: 43 SUTTONS WAY
BURNSTON, WILTSHIRE, N. WILTS
Postcode: YO17 6LH Tel No: 01944 758 916

DETAILS OF THE CLIENT

Contractor Reference Number (GRN): N/A
Name: T.D. + G.L. HUSON
Address: THE HIGH GATE, HUCKLE
HARBY, YORK
Postcode: YO17 6LH Tel No: —

DETAILS OF THE INSTALLATION

Occupier: AS BEFORE
Address: 43 SUTTONS WAY
BURNSTON, WILTSHIRE, N. WILTS
Postcode: YO17 6LH Tel No: —

PART 2: PURPOSE OF THE REPORT

Purpose for which this report is required:

WANDERLON'S ELECTRICAL

Date(s) when inspection and testing was carried out: 3-7-2023 Records available: ✓ Previous inspection report available: ✓ Previous report date: 4-10-18

PART 3: SUMMARY OF THE CONDITION OF THE INSTALLATION

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

PVC TRAIL AND EARTH IN GOOD CONDITION AND CORRECT SIZES. WIRE EARTH AND EARTH BOWNS CORRECT AND PROPER. PEBBLES AND PEBBLES CORRECT

Estimated age of electrical installation: 20 years Evidence of additions or alterations: No Overall assessment of the installation is: Satisfactory (delete as appropriate)

PART 4: DECLARATION

INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) and the attached schedules, 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.

Name (capital): JEE LOMAR Signature: [Signature] Date: 3-7-2023

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): JEE LOMAR Signature: [Signature] Date: 3-7-2023

*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that further investigation (CODE F1) without delay is required.

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PART 7 : DETAILS AND LIMITATIONS ON THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, 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 the Inspector prior to inspection.

Details of the installation covered by this report:

the fixed furniture units on second street

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

None

Agreed with (print name):

NA

Extent of sampling (inspection only):

NA

(see additional page No. *NA*)

Operational limitations including the reasons:

NA

(see additional page No. *NA*)

PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements		Number and type of live conductors		Nature of supply parameters	
TN-C-S: (<input checked="" type="checkbox"/>)	TN-S: (.....)	TT: (.....)	AC <input checked="" type="checkbox"/> 1-phase, 2-wire: (<input checked="" type="checkbox"/>)	Nominal line voltage to Earth, U_0 :	<i>230</i> V
Other (state):			Other (state):	Nominal frequency, f :	<i>50</i> Hz
Supply protective device (BS EN) <i>1361</i>			Other (state):	Prospective fault current, I_{pf} ^{(1)*} :	<i>2.2</i> kA
Type: (<i>ILB</i>)			Other (state):	External loop impedance, Z_e ^{(1)*} :	<i>0.11</i> Ω
	Rated current: (<i>60</i>) A			Confirmation of supply polarity:	
				Other sources of supply (as detailed on attached schedule)	

PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing		Main protective conductors		Main protective bonding connections		Main switch / Switch-fuse / Circuit-breaker / RCD	
Distributor's facility:		Earthing conductor: (material) <i>Copper</i>	csa: <i>16</i> mm ²	Water installation pipes:	<input checked="" type="checkbox"/>	Type: (BS EN) <i>60947-3</i>	
Installation earth electrode:	<i>NA</i>	Connection / continuity verified:	<input checked="" type="checkbox"/>	Gas installation pipes:	<input checked="" type="checkbox"/>	Location:	
Where an earth electrode is used insert Type – rod(s), tape, etc: (<i>NA</i>)		Main protective bonding conductors: (material) <i>Copper</i>	csa: <i>10</i> mm ²	Structural steel:	<input checked="" type="checkbox"/>	No. of poles:	<i>2</i>
Location: (<i>NA</i>)				Oil installation pipes:	<input checked="" type="checkbox"/>	Current rating:	<i>100</i> A
Electrode resistance to Earth: (<i>NA</i>) Ω		Connection / continuity verified:	<input checked="" type="checkbox"/>	Lightning protection:	<input checked="" type="checkbox"/>	Other (state):	
				Other (state):	<input checked="" type="checkbox"/>	Where an RCD is used as the main switch	
						RCD rated residual operating current, $I_{\Delta n}$:	
						Measured operating time: (<i>NA</i>) ms	
						Rated time delay:	
						Rating / setting of device:	<i>NA</i> A
						Voltage rating:	<i>240</i> V
						Where an RCD is used as the main switch	
						RCD rated residual operating current, $I_{\Delta n}$:	<i>NA</i> mA
						Measured operating time: (<i>NA</i>) ms	<i>NA</i> ms

*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

or Code appropriately – CODE 'C1', 'C2', 'C3' or 'F' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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PART 10 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)	
1.1 Service cable:	(.....) ✓
1.2 Service head:	(.....) ✓
1.3 Earthing arrangement:	(.....) ✓
1.4 Meter tails:	(.....) ✓
a) Cutout fuse to meter	(.....) ✓
b) Meter to consumer unit	(.....) ✓
1.5 Metering equipment:	(.....) ✓
1.6 Isolator (where present):	(.....) ✓
2. Presence of adequate arrangements for other sources	
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply:	(.....) N/A
2.2 Adequate arrangements where generating set operates in parallel with the public supply:	(.....) N/A
2.3 Presence of alternative / additional supply warning notices:	(.....) N/A
3. Earthing and bonding arrangements	
3.1 Presence and condition of distributor's earthing arrangement:	(.....) ✓
3.2 Presence and condition of earth electrode connection, where appropriate:	(.....) N/A
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:	(.....) ✓
4. Consumer unit(s) / Distribution board(s)	
4.1 Adequacy of working space / accessibility to consumer unit / distribution board:	(.....) ✓
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:	(.....) ✓
4.5 Enclosure not damaged / deteriorated so as to impair safety:	(.....) ✓
4.6 Presence of linked main switch:	(.....) ✓
4.7 Operation of main switch(es) (functional check):	(.....) ✓
4.8 Main switch capable of being secured in the OFF position:	(.....) ✓
4.9 Operation of circuit-breakers and RCDs to prove disconnection (functional check):	(.....) ✓
4.10 Correct identification of circuits and protective devices:	(.....) ✓
4.11 Presence of appropriate circuit charts, warning and other notices:	(.....) ✓
a) Provision of circuit charts/schedules or equivalent forms of information	(.....) ✓
b) Warning notice of method of isolation where live parts not capable of being isolated by a single device	(.....) ✓
c) Periodic inspection and testing notice	(.....) ✓
d) Presence of RCD six-monthly notice, where required	(.....) ✓
e) Warning notice of non-standard (mixed) colours of conductors present	(.....) ✓
f) All other required labelling provided	(.....) ✓
4.12 Compatibility of protective device(s), bases(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating):	(.....) ✓
4.13 Single-pole switching or protective devices in the line conductors only:	(.....) ✓
4.14 Protection against mechanical damage where cables enter consumer unit / distribution board:	(.....) ✓
4.15 Protection against electromagnetic effects where cables enter metallic consumer unit / enclosure:	(.....) ✓
4.16 RCDs provided for fault protection – includes RCBOs:	(.....) ✓
4.17 RCDs provided for additional protection – includes RCBOs:	(.....) N/A
4.18 Confirmation of indication that SPD is functional:	(.....) N/A
4.19 Adequacy of AFDD(s), where specified:	(.....) N/A
4.20 Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure:	(.....) ✓
5. Distribution / final circuits	
5.1 Identification of conductors:	(.....) ✓
5.2 Cables correctly supported throughout:	(.....) ✓
5.3 Condition of insulation of live parts:	(.....) ✓
5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems):	(.....) N/A
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 overloaded protection devices:	(.....) ✓
5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences:	(.....) ✓
5.10 Cables adequately protected against mechanical damage and abrasion:	(.....) ✓
5.11 Provision of additional protection by 30 mA RCD (see Note):	(.....) ✓
a) For all socket-outlets with a rated current not exceeding 32 A	(.....) ✓
b) For mobile equipment not exceeding a rating of 32 A for use outdoors	(.....) ✓
c) For cables concealed in walls / partitions at a depth of less than 50 mm	(.....) ✓

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

PART 10: SCHEDULE OF ITEMS INSPECTED

- d) For cables concealed in walls / partitions containing metal parts regardless of depth
- e) For all AC final circuits supplying luminaires

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

- 5.12 Provision of fire barriers, sealing arrangements and protection against thermal effects:
- 5.13 Band II cables segregated / separated from Band I cables:
- 5.14 Cables segregated / separated from communications cabling:
- 5.15 Cables segregated / separated from non-electrical services:
- 5.16 Termination of cables at enclosures (extent of sampling indicated in PART 7 of the report):

- a) Connections soundly made and under no undue strain
- b) No basic insulation of a conductor visible outside enclosure
- c) Connection of live conductors adequately enclosed
- d) Adequately connected at point of entry to enclosure

- 6. Isolation and switching**
(isolation, switching off for mechanical maintenance and functional switching)
- 6.1 In general:
- a) Presence and condition of appropriate devices
 - b) Correct operation verified
- 6.2 For isolation and switching for mechanical maintenance only:
- a) Capable of being secured in the OFF position, where appropriate

- b) Acceptable location (local / remote)
 - c) Clearly identified by position and / or durable marking(s)
- 6.3 For isolation only:
- a) Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device

- 7. **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 on a separate page: _____ Page 1

- a) Correct type of lamps fitted
- b) Installed to minimise build-up of heat
- c) No signs of overheating to surrounding building fabric
- d) No signs of overheating to conductors / terminations

- 8.1 Additional protection by RCD not exceeding 30 mA:
 - a) For low voltage circuits serving the location
 - b) 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 361*).
- 8.4 Presence of supplementary bonding conductors unless not required by *BS 7671: 2018*.
- 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. Other Part 7 special installations or locations**
List of all other special installations or locations, if any, present:

Indicate if the relevant requirements of Part 7 are satisfied and append results of inspection on a separate numbered page.

SCHEDULE OF ITEMS INSPECTED BY

Name (capitals)

Signature: 

Date: 2-1-01

PART 11: SCHEDULES AND ADDITIONAL PAGES

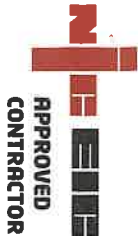
Schedule of inspections	Page No(s): (4 & 5)
Schedule of Circuit Details and Test Results for the installation	Page No(s): (6)
Additional pages, including data sheets for additional sources	Page No(s): (N/A)
Special installations or locations (indicated in item 9, above)	Page No(s): (N/A)
Continuation sheets	Page No(s): (N/A)

The pages identified are an essential part of this report (see Regulation 653.2).

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists.

or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6,

- CODE **C1**, **C2**, **C3** or **H** (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)



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PART 12: SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: *None*

CODES for Type of wiring	(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state:
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Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD Operating current, $I_{\Delta n}$	Maximum permitted Z_s for installed protective device**	Circuit impedances (Ω)				Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z_s	RCD operating time	Test buttons			
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(line) r_1	(Neutral) r_n	(cpc) r_2	($R_1 + R_2$)	R_2	Live / Live (MΩ)				Live / Earth (MΩ)	Test voltage DC (V)	RCD	AFDD
1	COOKER	A	A	2	6	2.5	0.4	60346	13	32	6	30	1.04	—	—	—	0.19	—	7100	7100	500	✓	0.029	8.4	✓	N/A
2	UPSTAIRS SOCKETS	A	A	7	2.5	1.5	0.4	60346	13	32	6	30	1.08	0.3	0.3	0.44	0.39	—	7100	7100	500	✓	0.044	8.4	✓	N/A
3	LIVING ROOM MAINS	A	A	1	2.5	1.5	6.4	60346	13	16	6	30	3.18	—	—	—	0.16	—	7100	7100	500	✓	0.275	8.4	✓	N/A
4	DOWNSTAIRS LIGHTS + DOWNSTAIRS	A	A	8	1	1	0.4	60346	13	6	6	30	5.82	—	—	—	0.61	—	7100	7100	500	✓	0.75	8.4	✓	N/A
6	DOWNSTAIRS LIGHTS	A	A	10	2.5	1.5	0.4	60346	13	32	6	30	1.08	0.29	0.3	0.47	0.39	—	7100	7100	500	✓	0.044	3.2	✓	N/A
7	UPSTAIRS LIGHTS + DOWNSTAIRS	A	A	14	1	1	0.4	60346	13	6	6	30	5.82	—	—	—	1.15	—	7100	7100	500	✓	0.613	2	✓	N/A
																					</					

Location of consumer unit: *WC* Designation: *DB1* Prospective fault current at consumer unit (where applicable): *2.2* kA

TESTED BY: *WRE Royal* Name (capital): *WRE Royal* Position: *Director* Signature: *WRE Royal* Date: *3-7-2023*

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: <i>229754</i>	Continuity: <i>—</i>	Insulation resistance: <i>—</i>	Earth fault loop impedance: <i>—</i>	Earth electrode resistance: <i>—</i>	RCD: <i>—</i>
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